



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

August 18, 2021

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

**RE: Notice of Exempt Modification for Verizon
Crown Site ID#876380; Verizon Site ID# 467570
202 Great Hollow Road, Woodbury, CT 06798
Latitude: 41.522 / Longitude: --73.220736**

Dear Ms. Bachman:

Verizon currently maintains (12) antennas at the 129-foot mounts on the existing 139-foot Monopole Tower located at **202 Great Hollow Road in Woodbury**. The property is owned by O&G Industries and the Tower by Crown Castle. Verizon now intends to replace nine (9) existing antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

**Planned Modifications:
Tower:**

Remove and Replace:

(3) Antel – BXA-70063-8CF Antennas (**REMOVE**) – (3) Samsung- MT6407-77A Antennas (**REPLACE**)

(6) Andrew –HBXX-6517DS-A2M Antennas (**REMOVE**) – (6) Quintel – QS6656-5D Antennas (**REPLACE**)

(3) Nokia – UH1C B4 2x60-4R Radios (**REMOVE**) – (3) Samsung – B2/B66A Radios – BR049 (RFV01U-D1A) (**REPLACE**)

(3) Nokia – UHBA B13 4x30 Radios (**REMOVE**) – (3) Samsung – B5/B13 Radios – BRO4C (RFV01U-D2A) (**REPLACE**)

(1) RFS/Scelwave – DB-B1-6C-12AB-OZ OVP (Distribution Box) (**REMOVE**) –

(1) RFS – DB-C1-12C-24AB-OZ OVP (Distribution Box) (**REPLACE**)

(1) Hybrid Cable 1-5/8” (**REMOVE**) – (1) Hybrid Cable 1-5/8” (**REPLACE**)



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Modify

(1) Platform Mount (**MODIFY**)

Add

(3) Quintel – AS-005245 Side x Side Antenna Mount (**NEW**)

The facility was approved by the Connecticut Siting Council in Docket No. 236 on June 19, 2003. This approval was given with conditions which Verizon's proposed exempt modification complies with.

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 Barbara Perkinson, First Selectman for the Town of Woodbury and Gary Testa, Building Official for the Town of Woodbury. A copy will also be sent to the property owner.

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modification 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 Communication Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

A handwritten signature in cursive script that reads 'Ersilia Davis'.

Ersilia Davis
NETWORK BUILDING + CONSULTING
Project Manager
1777 Sentry Parkway W | VEVA 17, Suite 400
Blue Bell, PA 19422
edavis@nbcllc.com
(551)804-0667



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Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

cc:

Barbara Perkinson, First Selectman (*Via Fedex*)
Town of Woodbury
281 Main Street South
Woodbury, CT 06798
Office: (203)263-2141

Gary Testa, Building Official (*Via Fedex*)
Town of Woodbury
281 Main St. South
Woodbury, CT. 06798
Office: 203-263-5717

O&G Industries, Inc. (*Via Fedex*)
112 Wall St.
Torrington, Ct. 06790
(860) 489-9261

774573245847



[ADD NICKNAME](#)

Delivered
Thursday, August 19, 2021 at 10:15 am



DELIVERED

Signature release on file

[GET STATUS UPDATES](#)

[OBTAIN PROOF OF DELIVERY](#)

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Barbara Perkinson, First Selectman
Town of Woodbury

281 Main Street South
WOODBURY, CT US 06798
203-263-2141

Travel History

TIME ZONE

Local Scan Time



Thursday, August 19, 2021

10:15 AM	WOODBURY, CT	Delivered Package delivered to recipient address - release authorized
8:21 AM	WATERTOWN, CT	On FedEx vehicle for delivery
8:18 AM	WATERTOWN, CT	At local FedEx facility
3:58 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, August 18, 2021

10:32 PM	NEWARK, NJ	Arrived at FedEx hub
9:16 PM	NEWBURGH, NY	Left FedEx origin facility
6:14 PM	NEWBURGH, NY	Picked up
3:53 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

774573245847

SERVICE

FedEx Priority Overnight

WEIGHT

1 lbs / 0.45 kgs

DELIVERY ATTEMPTS

1

TOTAL PIECES

1

TOTAL SHIPMENT WEIGHT

1 lbs / 0.45 kgs

TERMS

Shipper

SHIPPER REFERENCE

100788/NBC Woodbury, CT

PACKAGING

FedEx Envelope

SPECIAL HANDLING SECTION

Deliver Weekday

SHIP DATE

8/18/21 [?](#)

STANDARD TRANSIT

8/19/21 before 10:30 am [?](#)

ACTUAL DELIVERY

8/19/21 at 10:15 am

774573294915



[ADD NICKNAME](#)

Delivered
Thursday, August 19, 2021 at 10:15 am



DELIVERED

Signature release on file

[GET STATUS UPDATES](#)

[OBTAIN PROOF OF DELIVERY](#)

FROM

Ersilia Davis
1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Gary Testa, Building Official
Town of Woodbury
281 Main St. South
WOODBURY, CT US 06798
203-263-5717

Travel History

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10:32 PM	NEWARK, NJ	Arrived at FedEx hub
9:16 PM	NEWBURGH, NY	Left FedEx origin facility
6:14 PM	NEWBURGH, NY	Picked up
3:56 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

774573294915

SERVICE

FedEx Priority Overnight

WEIGHT

1 lbs / 0.45 kgs

DELIVERY ATTEMPTS

1

TOTAL PIECES

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1 lbs / 0.45 kgs

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SHIP DATE

8/18/21 [?](#)

STANDARD TRANSIT

8/19/21 before 10:30 am [?](#)

ACTUAL DELIVERY

8/19/21 at 10:15 am

774573336374



ADD NICKNAME

Delivered
Thursday, August 19, 2021 at 10:43 am



DELIVERED

Signed for by: L. BOBBITT



[GET STATUS UPDATES](#)

[OBTAIN PROOF OF DELIVERY](#)

FROM

Ersilia Davis

1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

O&G Industries, Inc
O&G Industries, Inc

112 Wall St.
TORRINGTON, CT US 06790
860-489-9261

Travel History

TIME ZONE

Local Scan Time



Thursday, August 19, 2021

10:43 AM	TORRINGTON, CT	Delivered
8:52 AM	WATERTOWN, CT	On FedEx vehicle for delivery

8:00 AM	WATERTOWN, CT	At local FedEx facility
3:58 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, August 18, 2021

10:32 PM	NEWARK, NJ	Arrived at FedEx hub
9:16 PM	NEWBURGH, NY	Left FedEx origin facility
6:14 PM	NEWBURGH, NY	Picked up
3:59 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

774573336374

SERVICE

FedEx Priority Overnight

WEIGHT

1 lbs / 0.45 kgs

DELIVERY ATTEMPTS

1

DELIVERED TO

Receptionist/Front Desk

TOTAL PIECES

1

TOTAL SHIPMENT WEIGHT

1 lbs / 0.45 kgs

TERMS

Shipper

SHIPPER REFERENCE

100788/NBC Woodbury

PACKAGING

FedEx Envelope

SPECIAL HANDLING SECTION

Deliver Weekday

SHIP DATE

8/18/21 [?](#)

STANDARD TRANSIT

8/19/21 before 10:30 am [?](#)

ACTUAL DELIVERY

8/19/21 at 10:43 am

Exhibit A

Original Facility Approval



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

Web Site: www.state.ct.us/csc/index.htm

June 24, 2003

TO: Parties and Intervenors

FROM: S. Derek Phelps, Executive Director

RE: **DOCKET NO. 236** - Sprint Spectrum L.P. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility off Great Hollow Road or at 103 Great Hollow Road, South Woodbury, Connecticut.

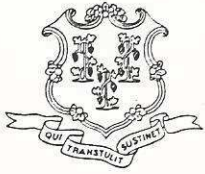
By its Decision and Order dated June 19, 2003, the Connecticut Siting Council granted a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility located at Site A off of Great Hollow Road, Woodbury, Connecticut.

Enclosed are the Council's Findings of Fact, Opinion, and Decision and Order.

SDP/laf

Enclosures (4)

c: Albert Palko, State Documents Librarian
Council Members



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

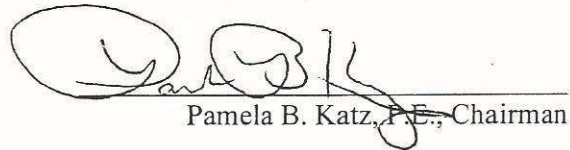
E-Mail: siting.council@po.state.ct.us

Web Site: www.state.ct.us/csc/index.htm

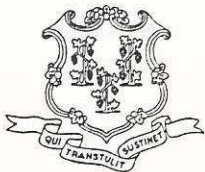
**CERTIFICATE
OF
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED
DOCKET NO. 236**

Pursuant to General Statutes § 16-50k, as amended, the Connecticut Siting Council hereby issues a Certificate of Environmental Compatibility and Public Need to Sprint Spectrum, L.P. d/b/a Sprint PCS for the construction, maintenance and operation of a wireless telecommunications facility located at Site A off of Great Hollow Road, Woodbury, Connecticut. This Certificate is issued in accordance with and subject to the terms and conditions set forth in the Decision and Order of the Council on June 19, 2003.

By order of the Council,


Pamela B. Katz, P.E., Chairman

June 19, 2003



STATE OF CONNECTICUT

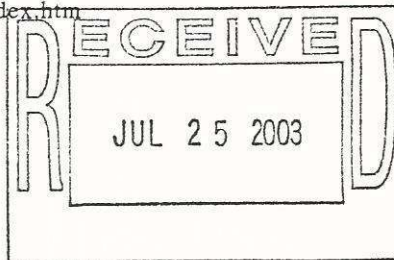
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

Web Site: www.state.ct.us/csc/index.htm



June 24, 2003

Thomas J. Regan, Esq.
Brown Rudnick Berlack Israels LLP
185 Asylum Street, CityPlace I
Hartford, CT 06103-3402

RE: **DOCKET NO. 236** - Sprint Spectrum L.P. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility off Great Hollow Road or at 103 Great Hollow Road, South Woodbury, Connecticut.

Dear Attorney Regan:

By its Decision and Order dated June 19, 2003, the Connecticut Siting Council (Council) granted a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at Site A off of Great Hollow Road in Woodbury to Sprint Spectrum.

Enclosed are the Council's Certificate, Findings of Fact, Opinion, and Decision and Order.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/CML

Enclosures (4)

Exhibit B

Property Card

BU #: 876380

Tax Parcel ID # (Real Property):

WOOD-000034-000015

Aerial Photo of Parcel from County GIS Database:

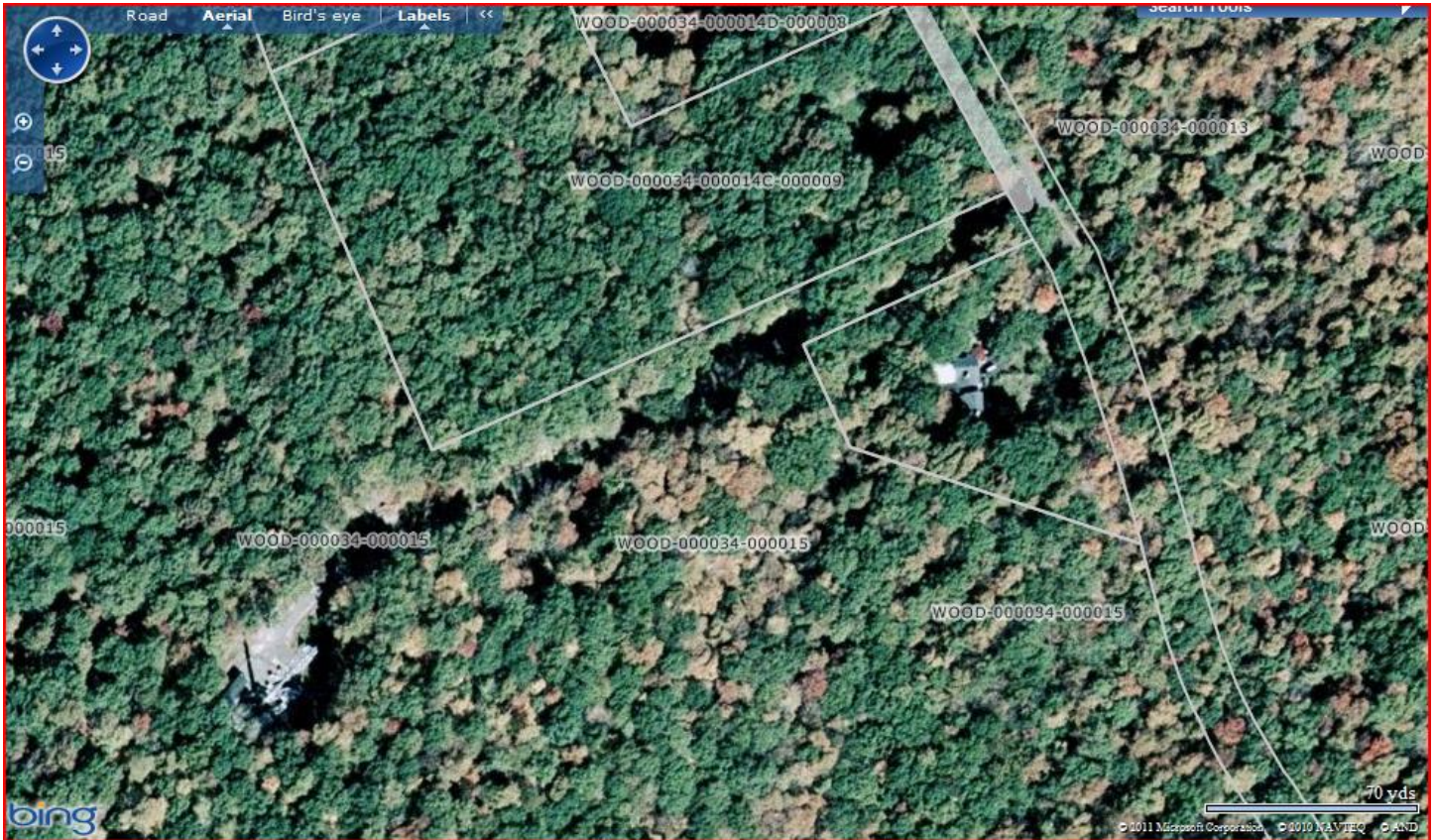


Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 467570
VERIZON SITE NAME: WOODCURY S CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 139'-0"

BUSINESS UNIT #: 876380
SITE ADDRESS: 202 GREAT HOLLOW ROAD
 WOODBURY, CT 06798
COUNTY: LITCHFIELD
JURISDICTION: TOWN OF WOODBURY

VERIZON FUZE PROJECT #: MODIFICATION;5G_L-SUB6-PREP

verizon
 20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492

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

TOWER ENGINEERING PROFESSIONALS
 326 TRYON RD
 RALEIGH, NC 27603
 (919) 661-6351
 TEP JOB #: 25627.575898

VERIZON SITE NUMBER:
 467570
BU #: 876380
O&G WOODBURY
 202 GREAT HOLLOW ROAD
 WOODBURY, CT 06798
 EXISTING 139'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/26/2021	JCH	CONSTRUCTION	RST

SITE INFORMATION

CROWN CASTLE USA INC. O&G WOODBURY
 SITE NAME:
 SITE ADDRESS: 202 GREAT HOLLOW ROAD
 WOODBURY, CT 06798
 COUNTY: LITCHFIELD
 MAP/PARCEL #: 034-015
 AREA OF CONSTRUCTION: EXISTING
 LATITUDE: 41° 31' 19.20"
 LONGITUDE: -73° 13' 14.65"
 LAT/LONG TYPE: NAD83
 GROUND ELEVATION: 545 FT ±
 CURRENT ZONING: OS80
 JURISDICTION: TOWN OF WOODBURY
 OCCUPANCY CLASSIFICATION: U
 TYPE OF CONSTRUCTION: IIB
 A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
 PROPERTY OWNER: O&G INDUSTRIES INC
 112 WALL STREET
 TORRINGTON, CT 06790
 TOWER OWNER: CROWN CASTLE USA INC.
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 CARRIER/APPLICANT: VERIZON WIRELESS
 20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492
 ELECTRIC PROVIDER: CONNECTICUT LIGHT & POWER CO
 TELCO PROVIDER: AT&T
 (800) 331-0500

DRAWING INDEX

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

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. 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

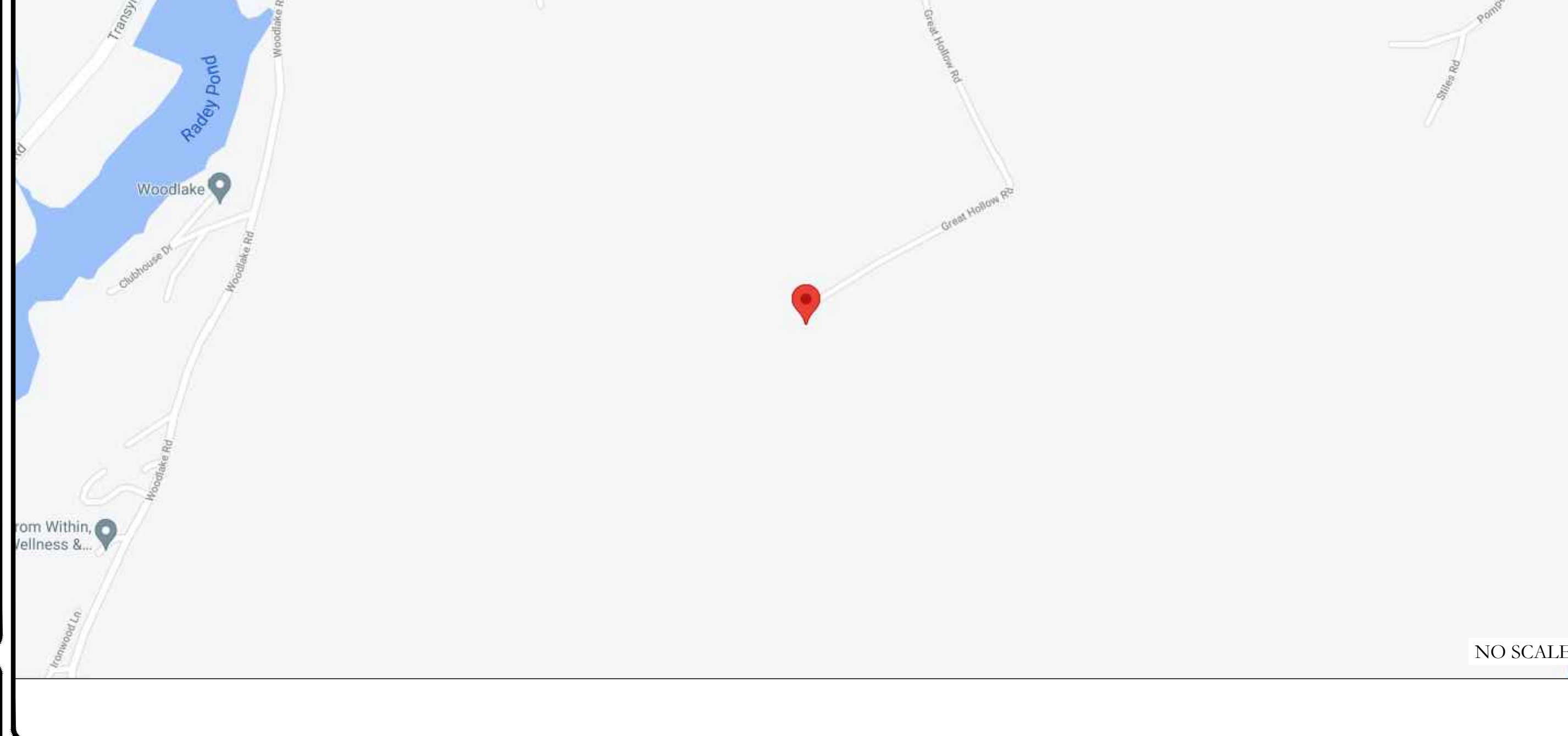
PMI ACCESSED AT <https://pmi.vxwsmart.com>
 SMART TOOL VENDOR PROJECT NUMBER 1008112
 VzW LOCATION CODE (PSLC) 467570
 *** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CONNECTICUT BUILDING CODE
MECHANICAL	2018 CONNECTICUT MECHANICAL CODE
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: BY OTHERS
 DATED: BY OTHERS
 MOUNT ANALYSIS: MASER CONSULTING CONNECTICUT
 DATED: 06/28/2021
 RFDS REVISION: 0
 DATED: 02/11/2021
 ORDER ID: 554034
 REVISION: 0

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (9) ANTENNAS
- REMOVE (6) RRHs
- REMOVE (1) OVP
- REMOVE (1) HYBRID CABLE
- MODIFY (1) PLATFORM MOUNT
- INSTALL (9) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (3) SIDE-BY-SIDE ANTENNA MOUNTS
- INSTALL (1) OVP
- INSTALL (1) HYBRID CABLE

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

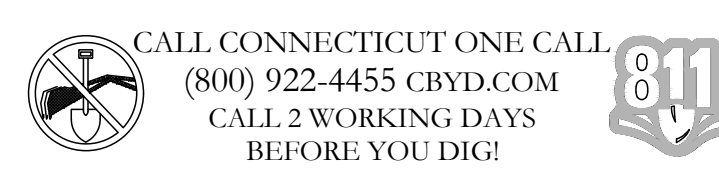
PROJECT TEAM

A&E FIRM: TOWER ENGINEERING PROFESSIONALS
 326 TRYON ROAD
 RALEIGH, NC 27603
 (919) 661-6351
 JOSEPH T. CRESS - PROJECT MANAGER
 GRAHAM M. ANDRES - CIVIL ENGINEER
 CROWN CASTLE USA INC. DISTRICT CONTACTS:
 6325 ARDREY KELL ROAD, SUITE 600
 CHARLOTTE, NC 28277
 SARA REA LOADHOLDT - A&E SPECIALIST
 (704) 405-6548



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

SHEET NUMBER: T-1
REVISION: 0



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 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 GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE 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 ANTI-OXIDANT 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 NON-FERROUS 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.
4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THW, THN, 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 THW, THN, 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 THW, 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 SNEW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREFOLD SPECMATE 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
120/208V, 3Ø	GROUND	GREEN
	A PHASE	BLACK
	B PHASE	RED
277/480V, 3Ø	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
DC VOLTAGE	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
	POS (+)	RED**
	NEG (-)	BLACK**

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

APWA UNIFORM COLOR CODE:

- WHITE PROPOSED EXCAVATION
- PINK TEMPORARY SURVEY MARKINGS
- RED ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
- YELLOW GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS
- ORANGE COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT AND TRAFFIC LOOPS
- BLUE POTABLE WATER
- PURPLE RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
- GREEN SEWERS AND DRAIN LINES

ABBREVIATIONS:

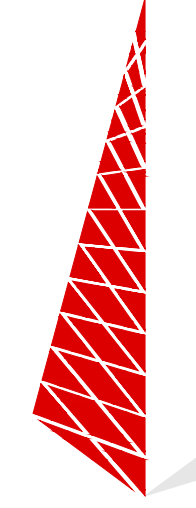
- ANT ANTENNA
- (E) EXISTING
- FIF FACILITY INTERFACE FRAME
- GEN GENERATOR
- GPS GLOBAL POSITIONING SYSTEM
- GSM GLOBAL SYSTEM FOR MOBILE
- LTE LONG TERM EVOLUTION
- MGB MASTER GROUND BAR
- MW MICROWAVE
- (N) NEW
- NEC NATIONAL ELECTRIC CODE
- (P) PROPOSED
- PP POWER PLANT
- QTY QUANTITY
- RECT RECTIFIER
- RBS RADIO BASE STATION
- RBT REMOTE ELECTRIC TILT
- RDFS 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



20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492



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



TOWER
ENGINEERING
PROFESSIONALS

326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 25627.575898

VERIZON SITE NUMBER:
467570


BU #: 876380
O&G WOODBURY

202 GREAT HOLLOW ROAD
WOODBURY, CT 06798

EXISTING 139'-0" MONOPOLE

ISSUED FOR:

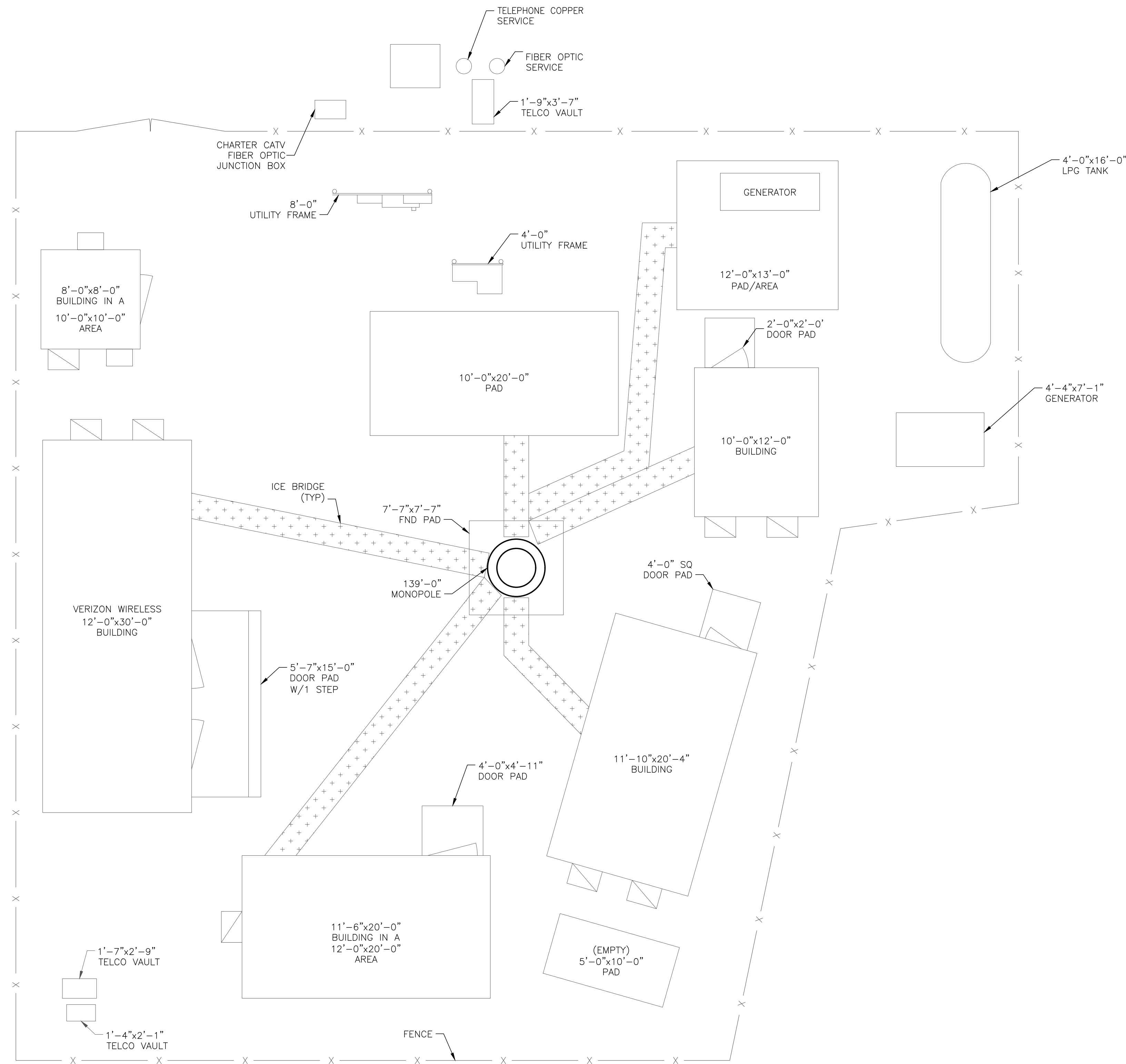
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/26/2021	JCH	CONSTRUCTION	RST



07/26/21

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.

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CROWN CASTLE

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TOWER ENGINEERING PROFESSIONALS

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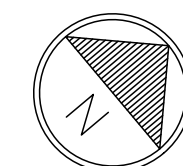
SHEET NUMBER:

C-1

REVISION:

0

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

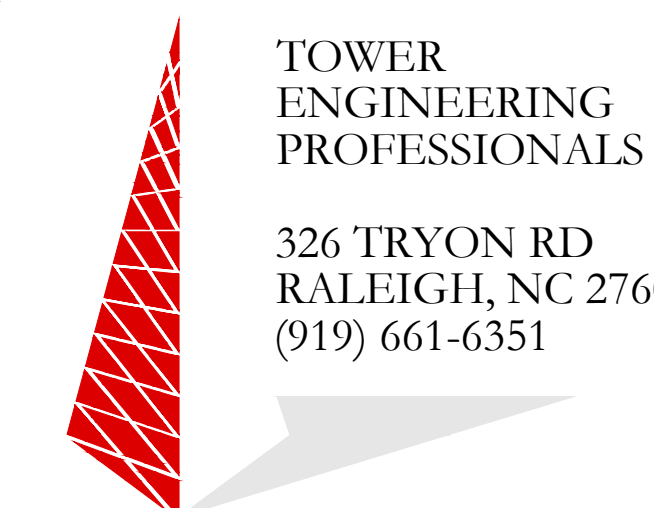


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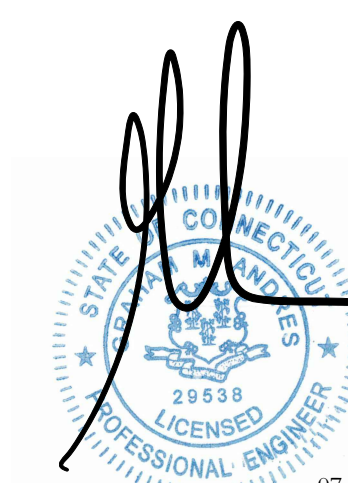
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EXISTING 139'-0" MONOPOLE

ISSUED FOR:

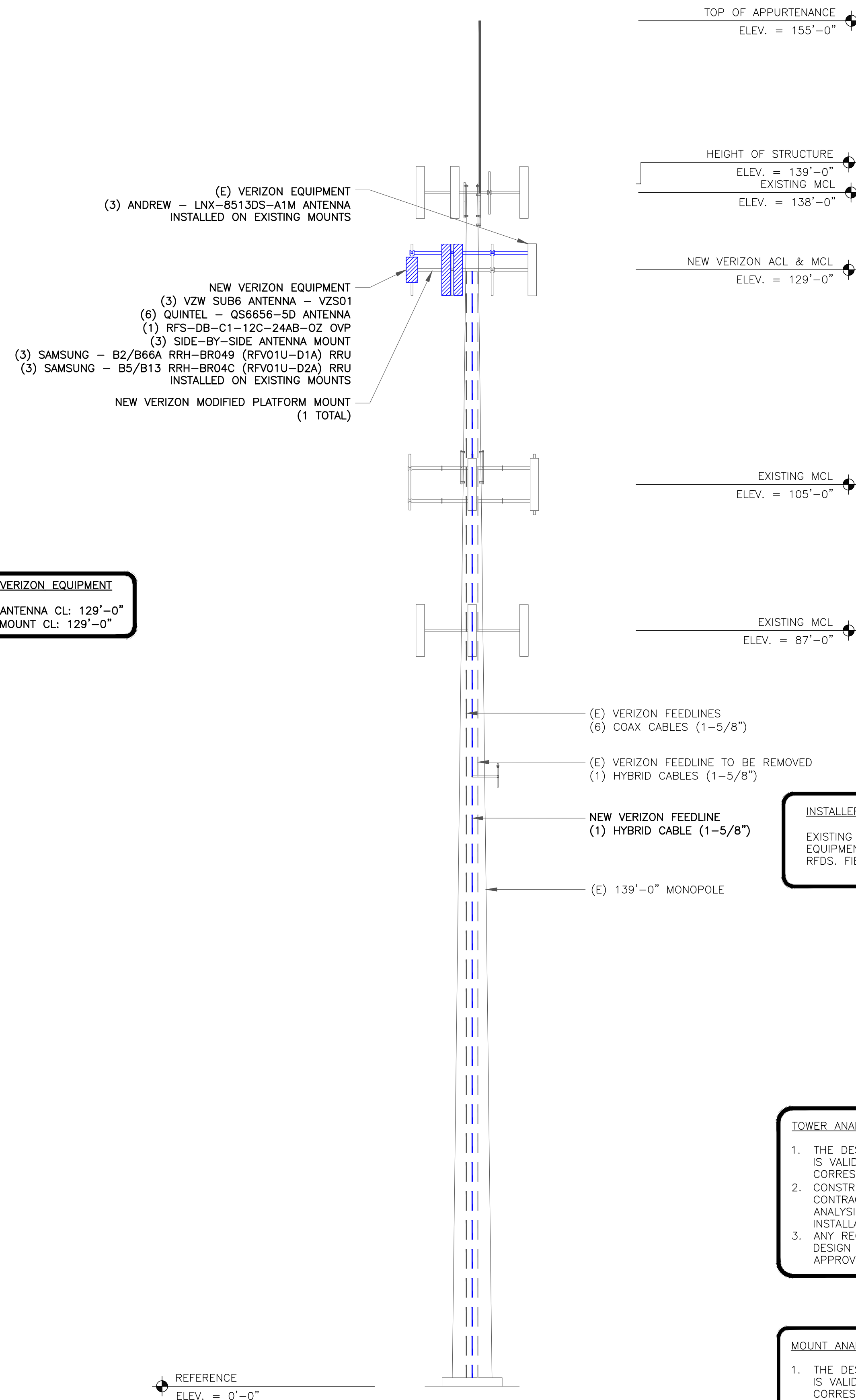
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/26/2021	JCH	CONSTRUCTION	RST



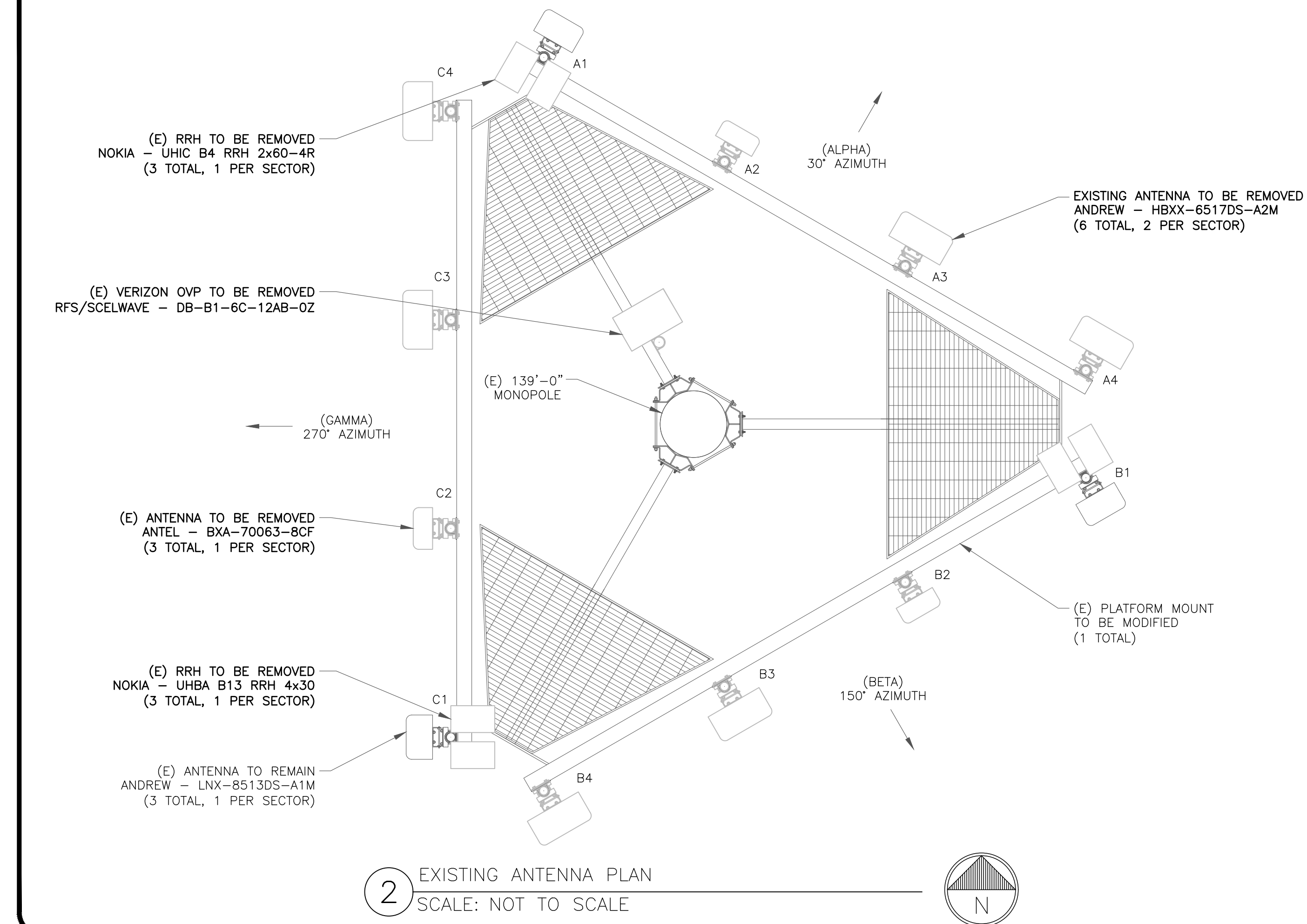
07/26/21

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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SHEET NUMBER: **C-2** REVISION: **0**



1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

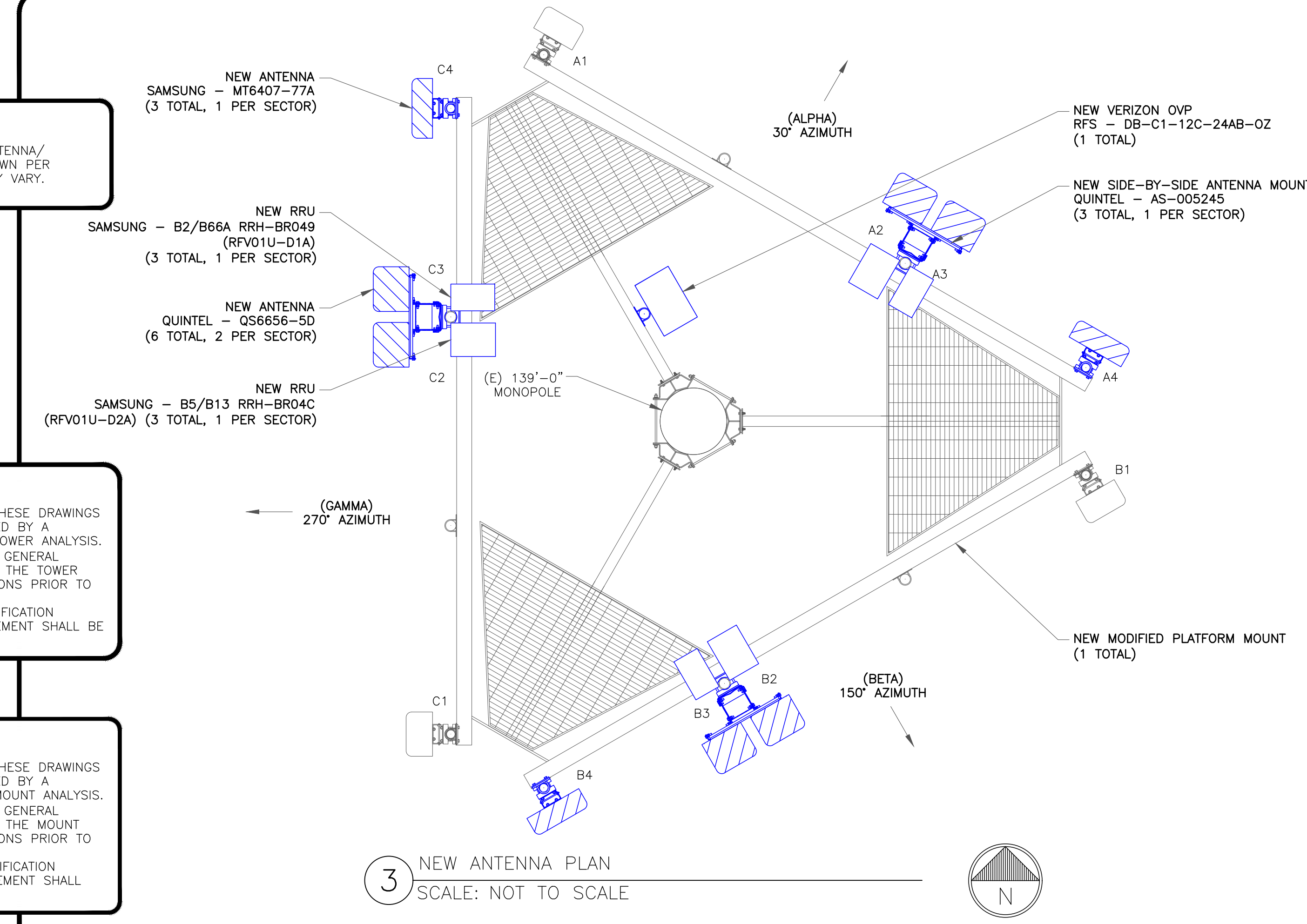
INSTALLER NOTE:
EXISTING AND PROPOSED ANTENNA/
EQUIPMENT POSITIONING SHOWN PER
RFDS. FIELD CONDITIONS MAY VARY.

TOWER ANALYSIS NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING TOWER ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE TOWER ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED TOWER MODIFICATION DESIGN OR TOWER REPLACEMENT SHALL BE APPROVED BY EOR.

MOUNT ANALYSIS NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/26/2021	JCH	CONSTRUCTION	RST

[Signature]
 07/26/21
 PROFESSIONAL ENGINEER

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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	FEEDLINE TYPE
A1	EXISTING	ANDREW	LNx-8513DS-A1M	129'-0"	30°	0°	6°	RFS	(1) DB-C1-12C-24AB-0Z	COAX (SHARED)
A2	NEW	QUINTEL	QS6656-5D	129'-0"	30°	0°	6°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)	(2) ANDREW - LDF7-50A COAX (1-5/8")
A3	NEW	QUINTEL	QS6656-5D	129'-0"	30°	0°	6°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)	COAX (SHARED)
A4	NEW	SAMSUNG	MT6407-77A	129'-0"	30°	0°	6°	-	-	(1) RFS/CELWAVE - HB158-U12S24-XXX-LI HYBRID (1-5/8")
A1	EXISTING	ANDREW	LNx-8513DS-A1M	129'-0"	150°	0°	6°	-	-	COAX (SHARED)
A2	NEW	QUINTEL	QS6656-5D	129'-0"	150°	0°	6°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)	(2) COAX (1-5/8")
A3	NEW	QUINTEL	QS6656-5D	129'-0"	150°	0°	6°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)	COAX (SHARED)
A4	NEW	SAMSUNG	MT6407-77A	129'-0"	150°	0°	6°	-	-	HYBRID (SHARED)
A1	EXISTING	ANDREW	LNx-8513DS-A1M	129'-0"	270°	0°	6°	-	-	COAX (SHARED)
A2	NEW	QUINTEL	QS6656-5D	129'-0"	270°	0°	6°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)	(2) COAX (1-5/8")
A3	NEW	QUINTEL	QS6656-5D	129'-0"	270°	0°	6°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)	COAX (SHARED)
A4	NEW	SAMSUNG	MT6407-77A	129'-0"	270°	0°	6°	-	-	HYBRID (SHARED)

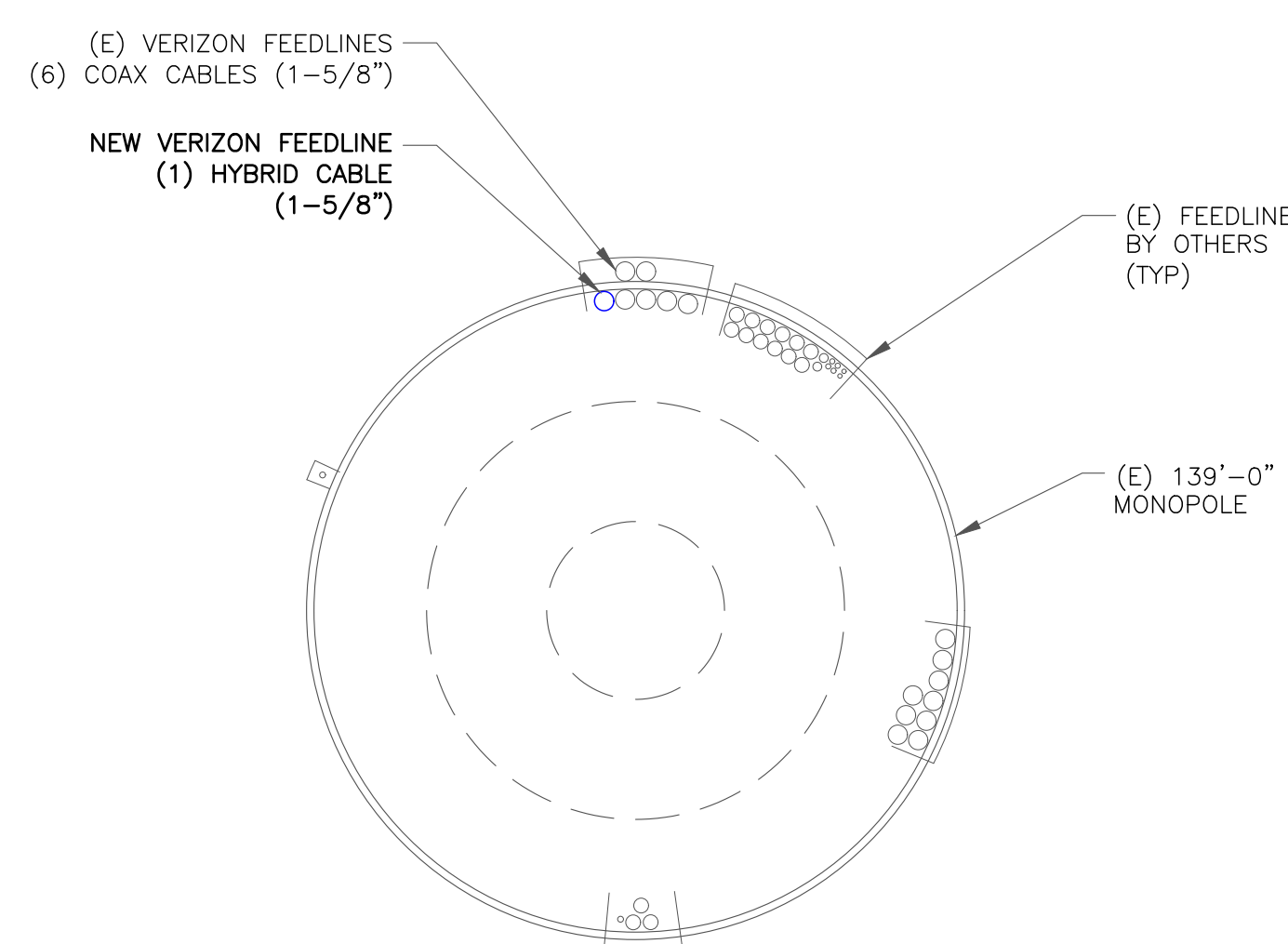
NEW ANTENNA AND EQUIPMENT SHOWN IN BOLD

1 VERIZON TOWER EQUIPMENT SCHEDULE
 SCALE: NOT TO SCALE

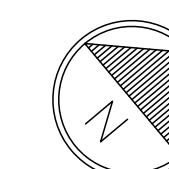
CABLE SCHEDULE

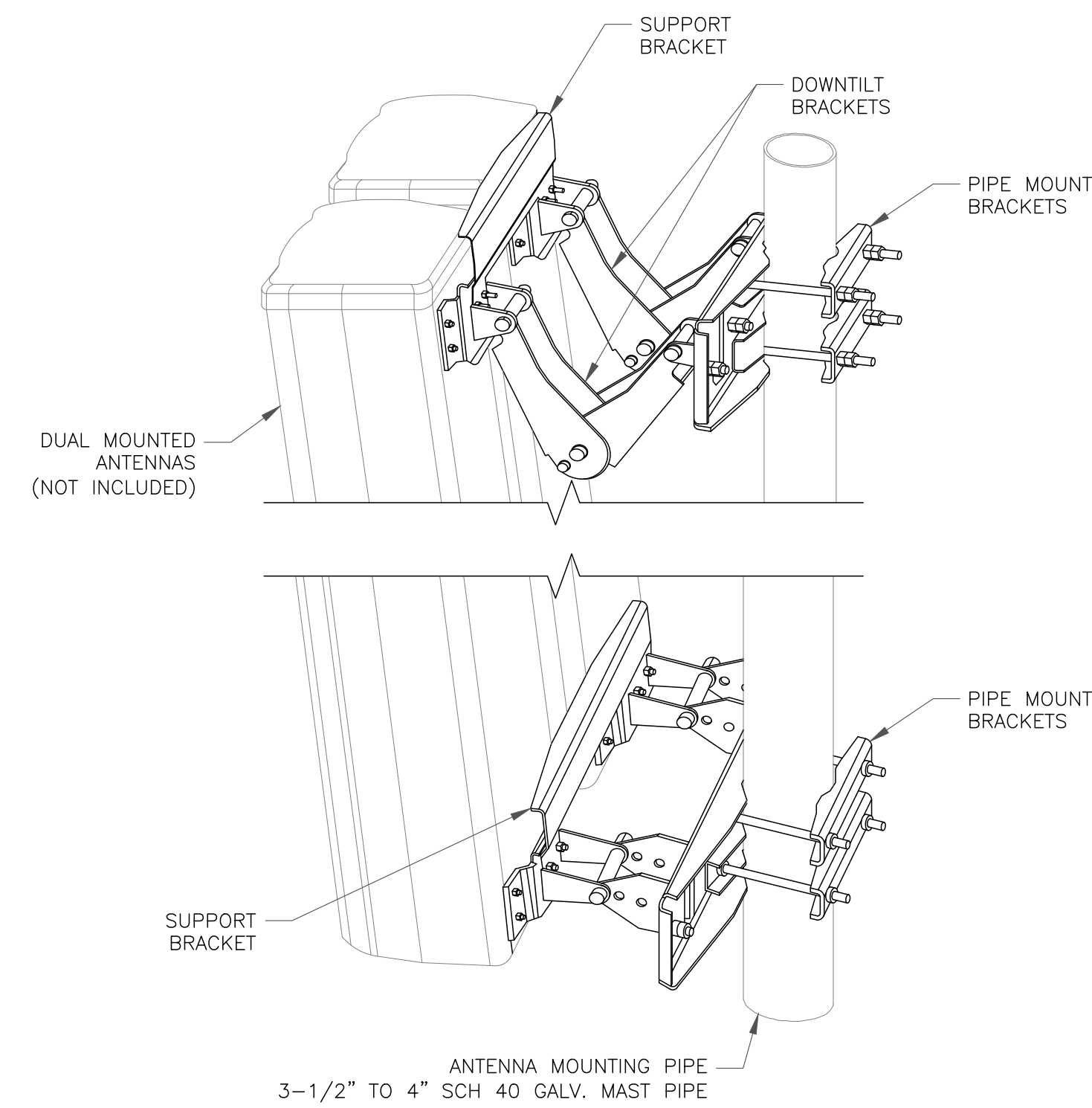
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
*EXISTING	HYBRID	1-5/8"	179'-0"±	1
EXISTING	COAX	1-5/8"	179'-0"±	6
NEW	HYBRID	1-5/8"	179'-0"±	1
TOTAL CABLE QTY:				7

* CABLE TO BE REMOVED



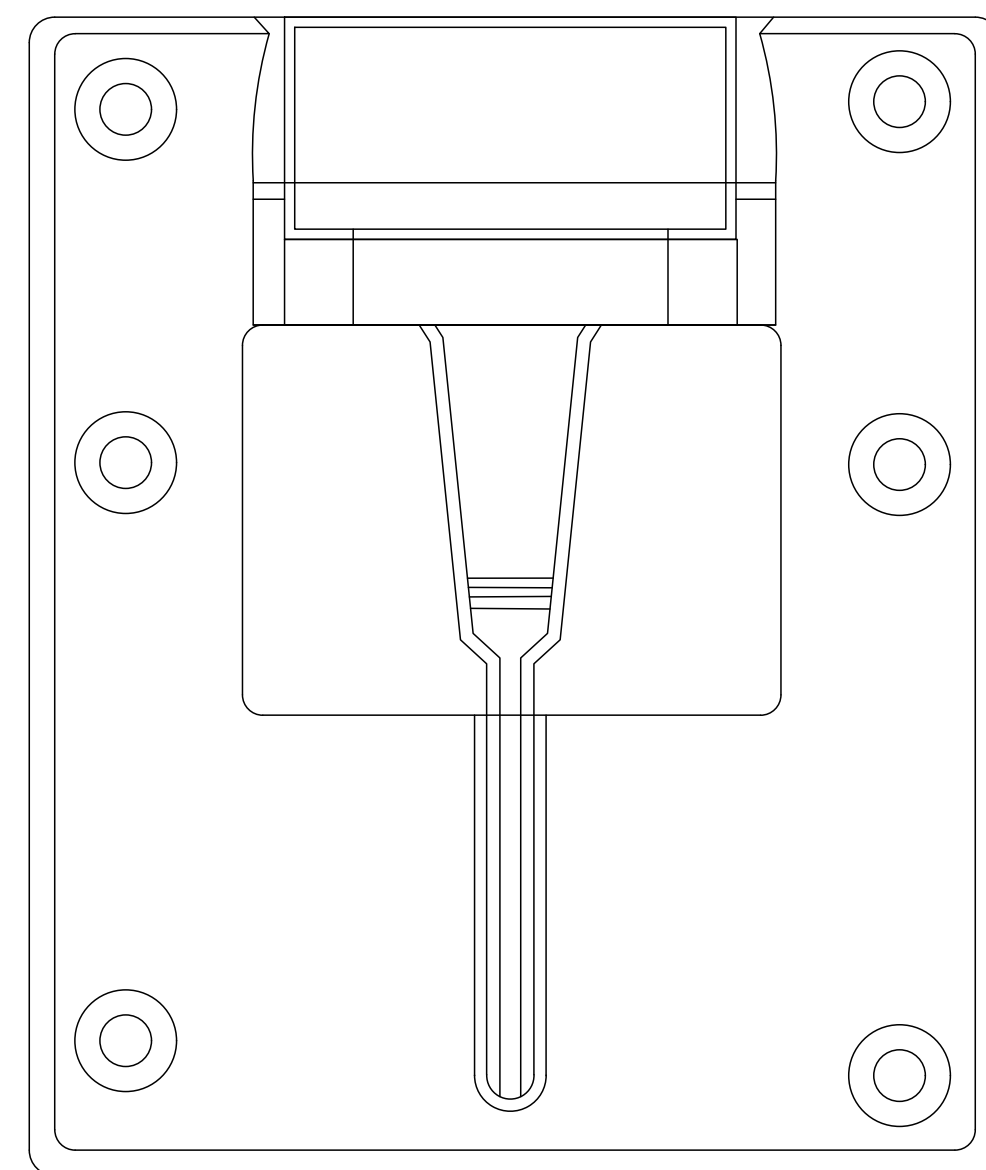
2 BASE LEVEL DETAIL
 SCALE: NOT TO SCALE





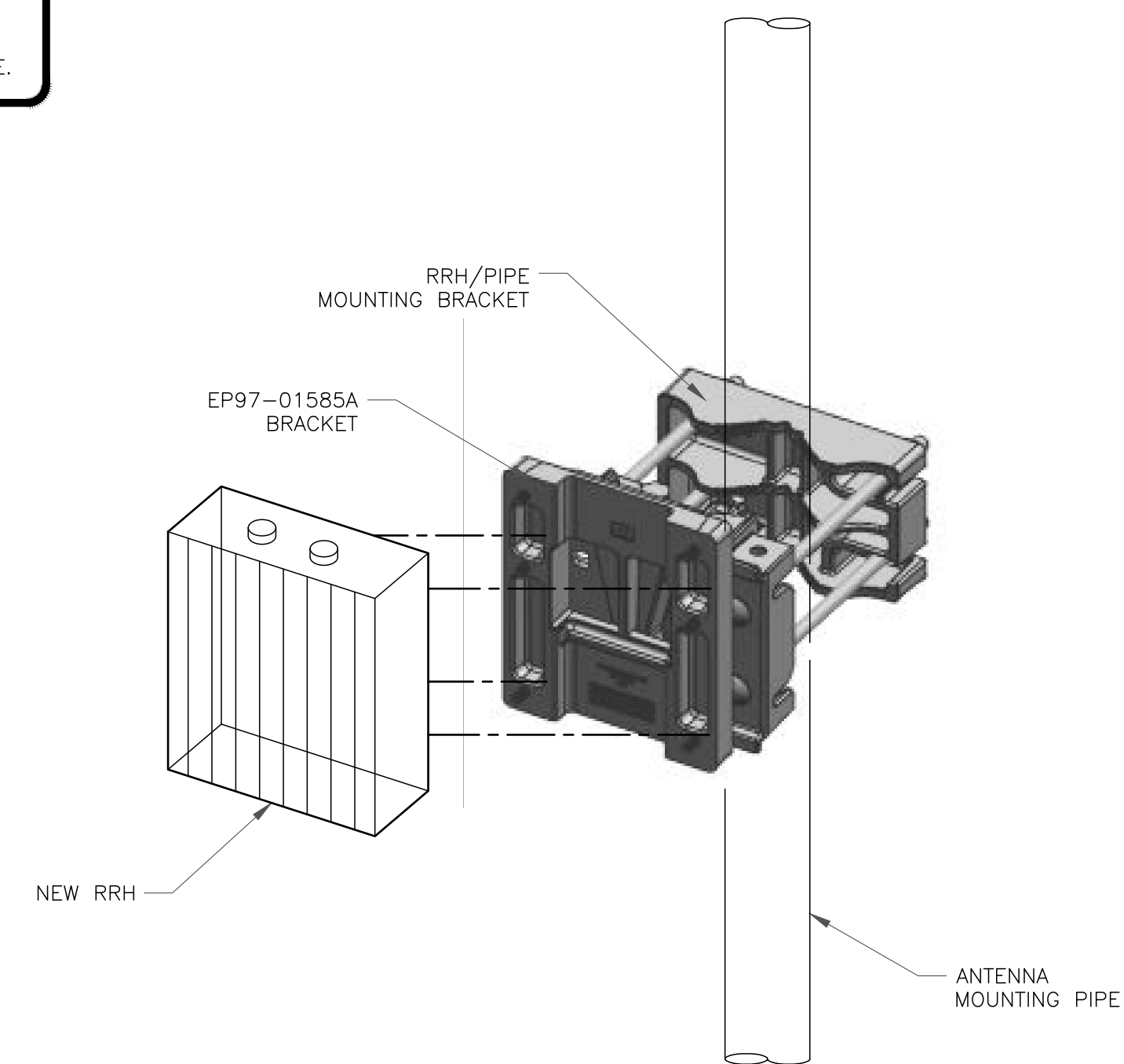
1 QUINTEL – AS-005245
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



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

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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 25627.575898

VERIZON SITE NUMBER:
467570
BU #: **876380**
O&G WOODBURY
202 GREAT HOLLOW ROAD
WOODBURY, CT 06798
EXISTING 139'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/26/2021	JCH	CONSTRUCTION	RST

JCH

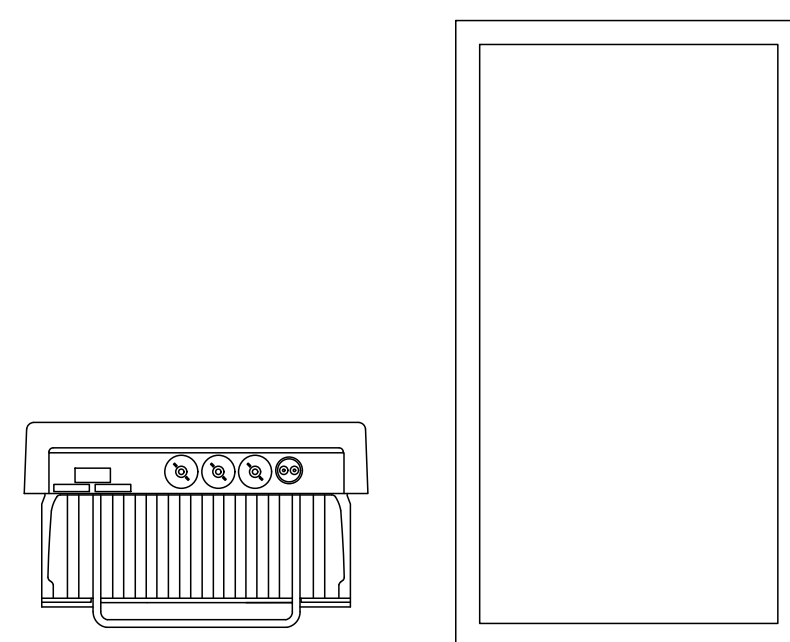
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SHEET NUMBER: **C-4** REVISION: **0**



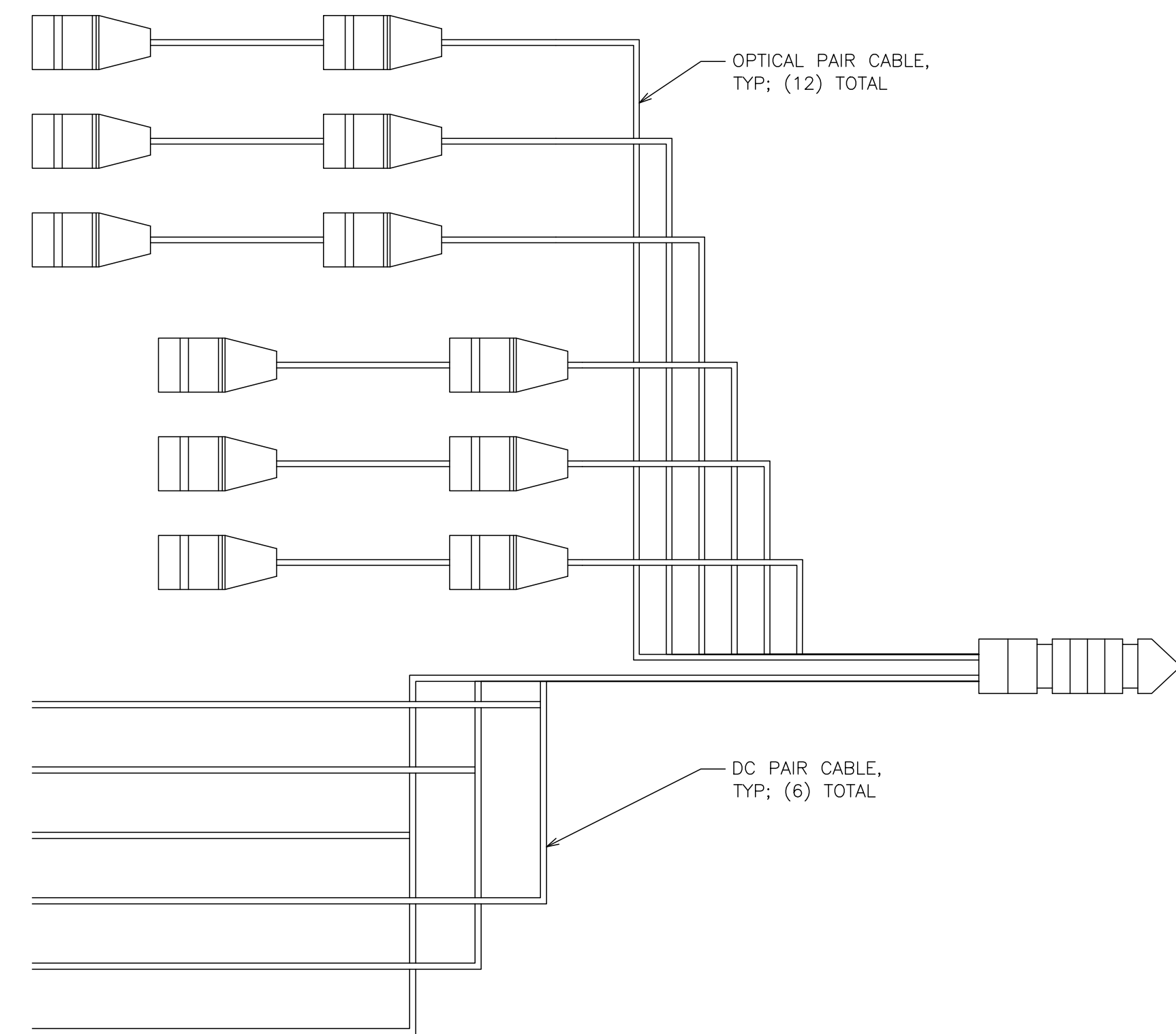
QUINTEL - QS6656-5D
SIZE (HxWxD): 72.7x11.90x7.10 IN.

1 QUINTEL - QS6656-5D
SCALE: NOT TO SCALE



SAMSUNG - MT6407-77A
WEIGHT: 87.1 LBS
SIZE (HxWxD): 35.12x16.06x5.51 IN.

2 SAMSUNG - MT6407-77A
SCALE: NOT TO SCALE



ERICSSON - HCS 6X12
WEIGHT: 1.7 LBS/FT
DIAMETER: 1.38" (±.1")
COAX EQUIVALENT: 1 3/8"

3 HCS DETAIL
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
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CLIFTON PARK, NY 12065

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BU #: **876380**
O&G WOODBURY

202 GREAT HOLLOW ROAD
WOODBURY, CT 06798

EXISTING 139'-0" MONOPOLE

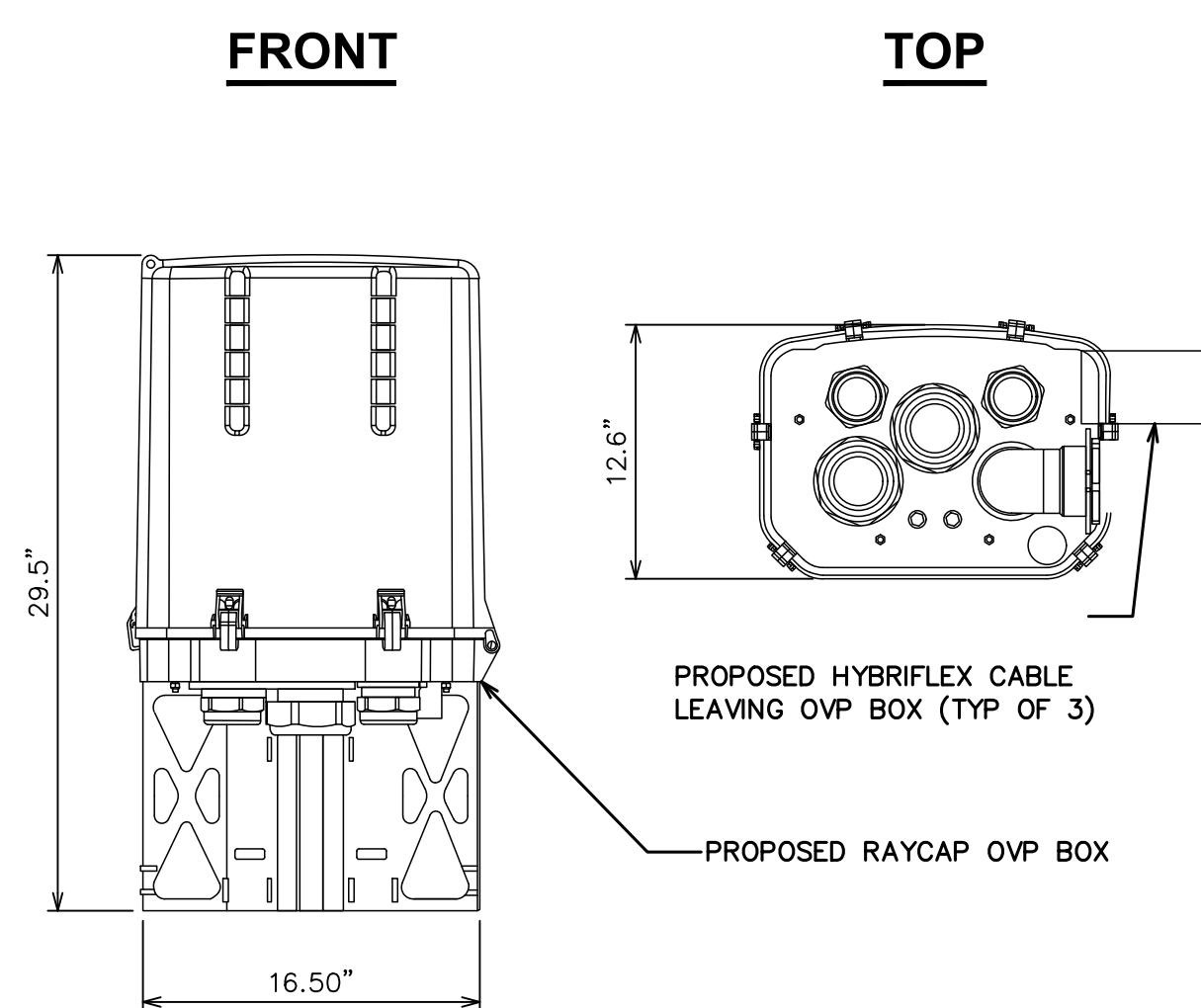
ISSUED FOR:

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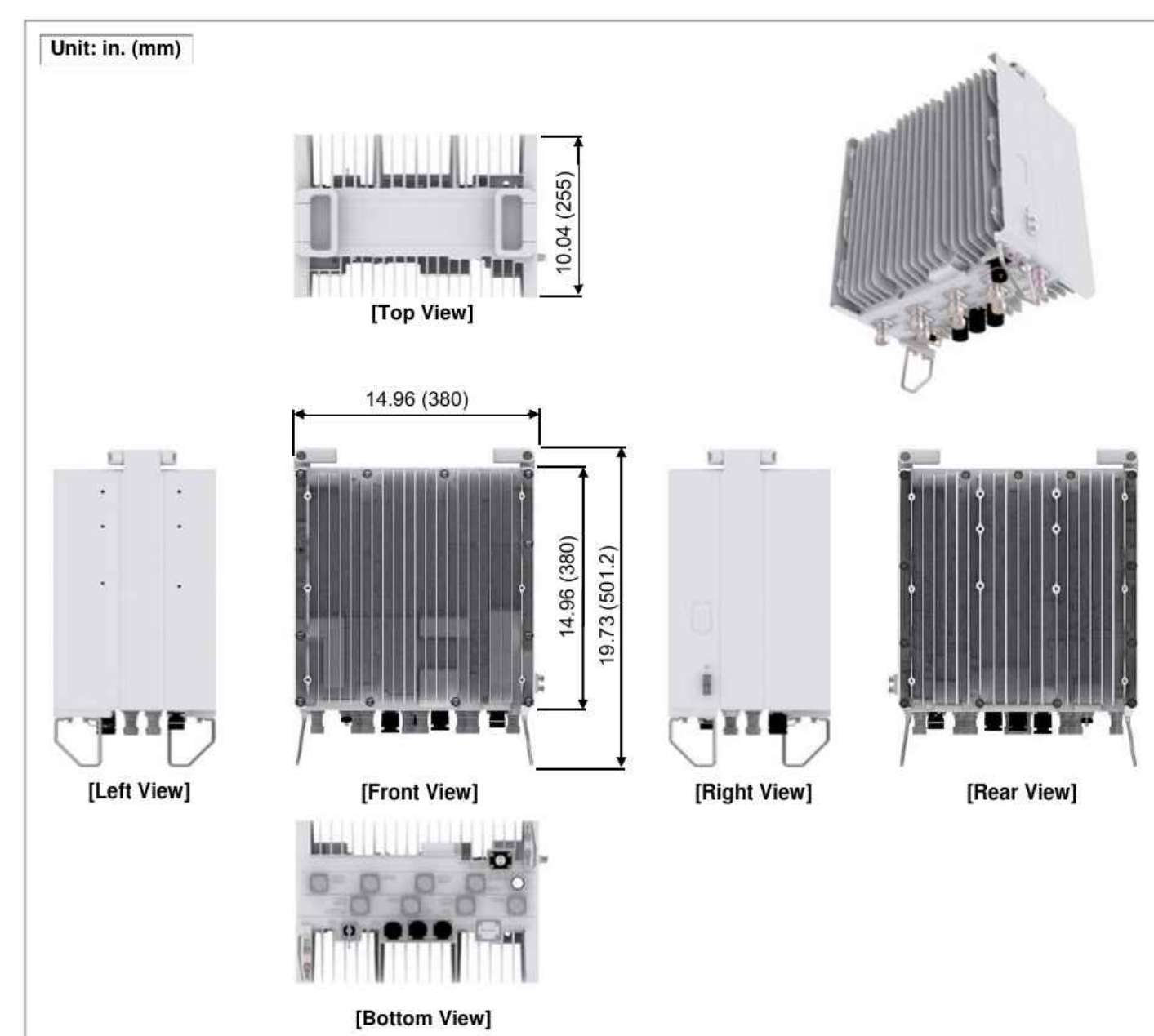
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SHEET NUMBER: **C-5** REVISION: **0**



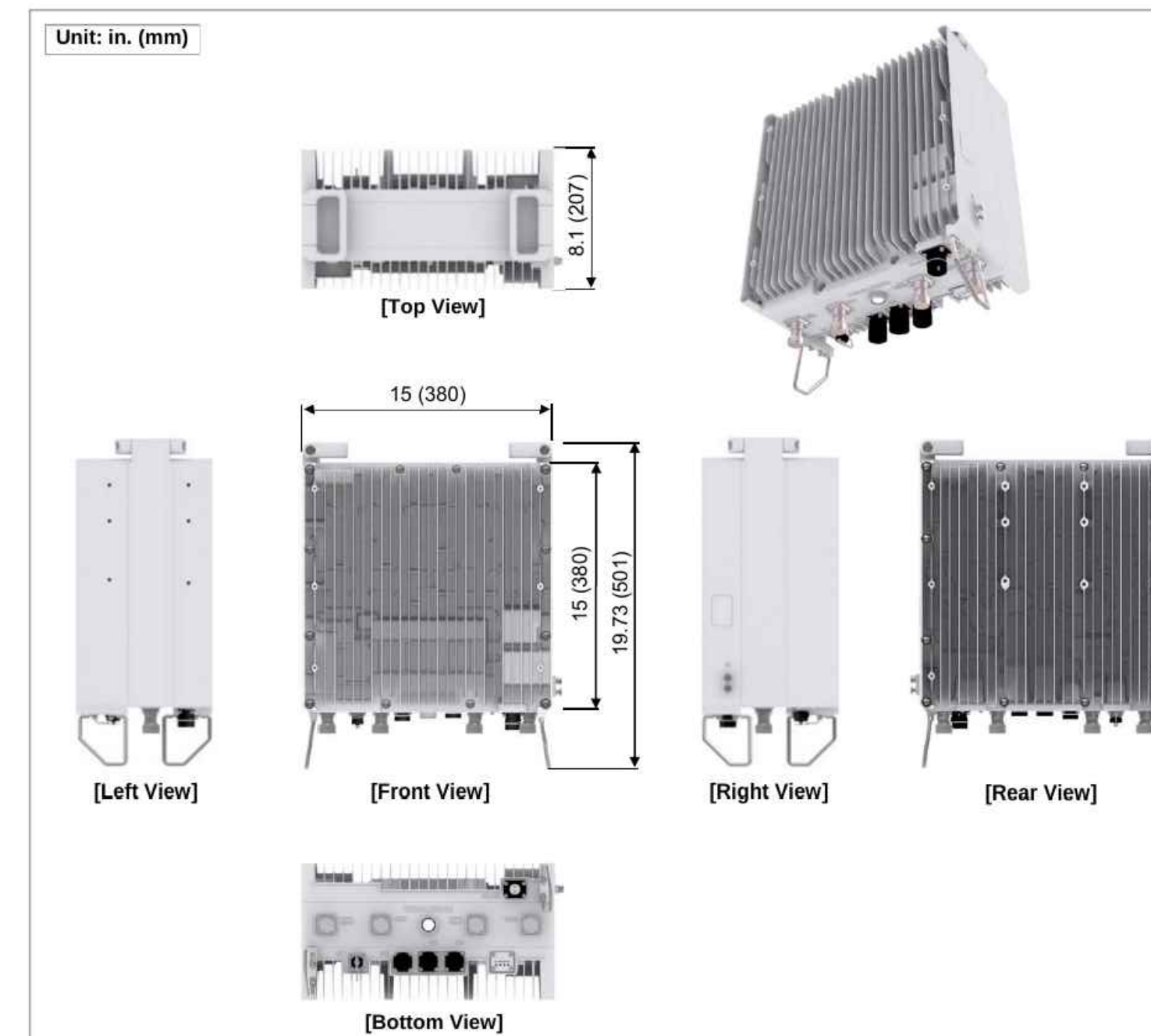
RFS- HB158-13U12S24
SIZE (HxWxD): 29.50x16.50x12.60 IN.

4 PROPOSED RAYCAP DETAIL
SCALE: NOT TO SCALE



SAMSUNG - B2/B66A RRH-BR049 (RFV01U-D1A) RRU
WEIGHT (WITHOUT MOUNTING HARDWARE): 84.40 LBS
SIZE (HxWxD): 14.96x/380x10.04/255x14.96/380 IN./MM

5 SAMSUNG - B2/B66A RRH-BR049 (RFV01U-D1A) RRU
SCALE: NOT TO SCALE



SAMSUNG - B5/B13 RRH-BR04C (RFV01U-D2A) RRU
WEIGHT (WITHOUT MOUNTING HARDWARE): 70.3 LBS
SIZE (HxWxD): 15"x15"x8.10"

6 SAMSUNG - B5/B13 RRH-BR04C (RFV01U-D2A) RRU
SCALE: NOT TO SCALE

VERIZON SITE NUMBER:
467570

BU #: **876380**
O&G WOODBURY

202 GREAT HOLLOW ROAD
WOODBURY, CT 06798

EXISTING 139'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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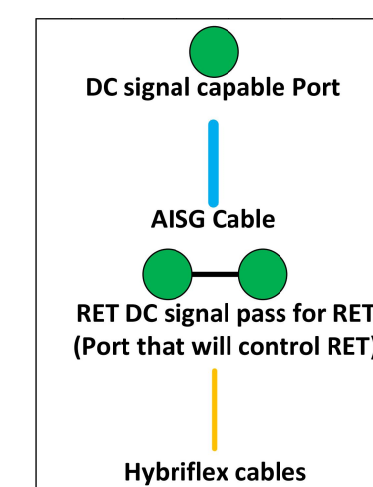
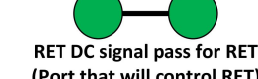
SHEET NUMBER: **C-6** REVISION: **0**



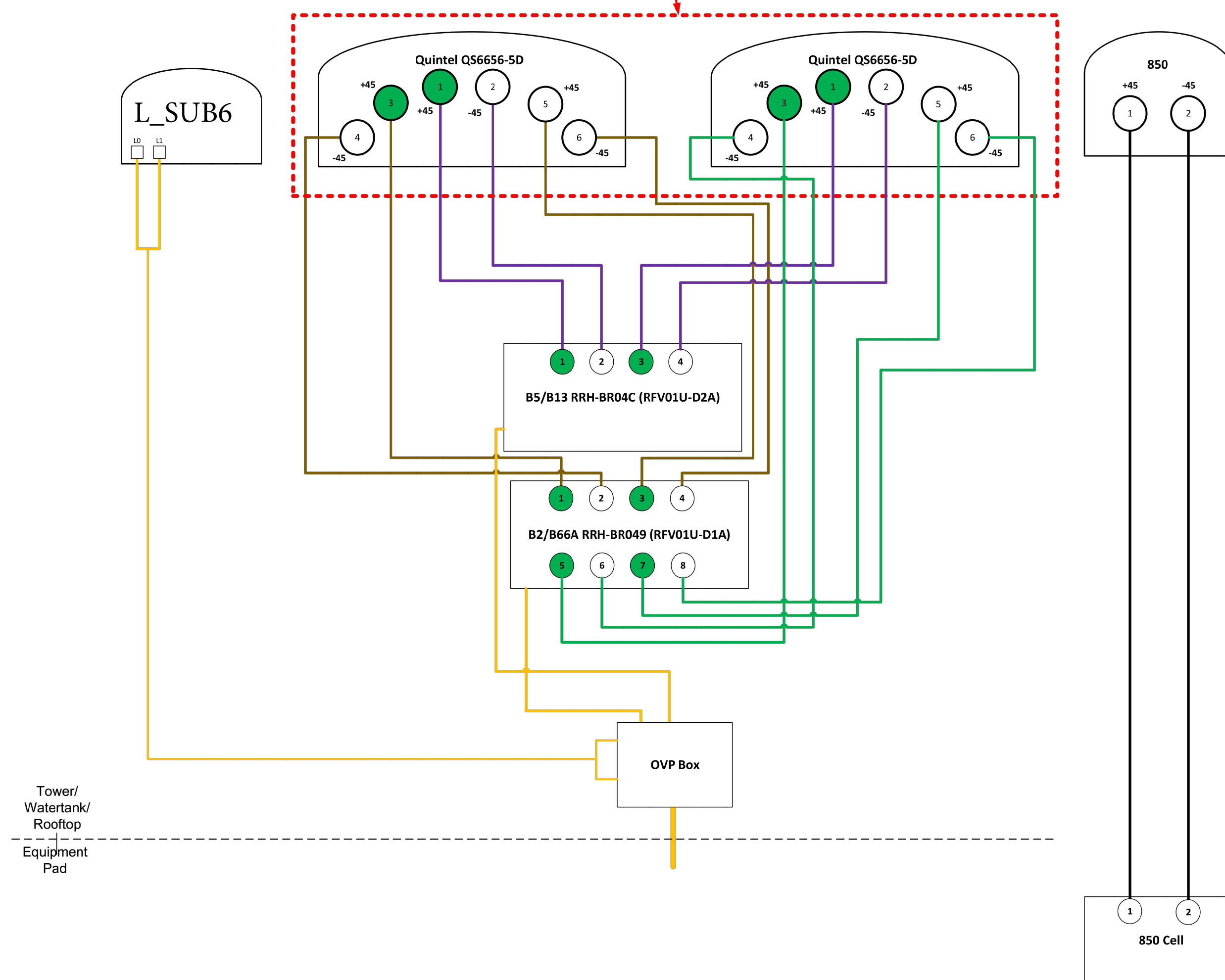
- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Antenna Smart Bias Tee (SBT) is through port 1 for low band and port 3 for high band.

- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.

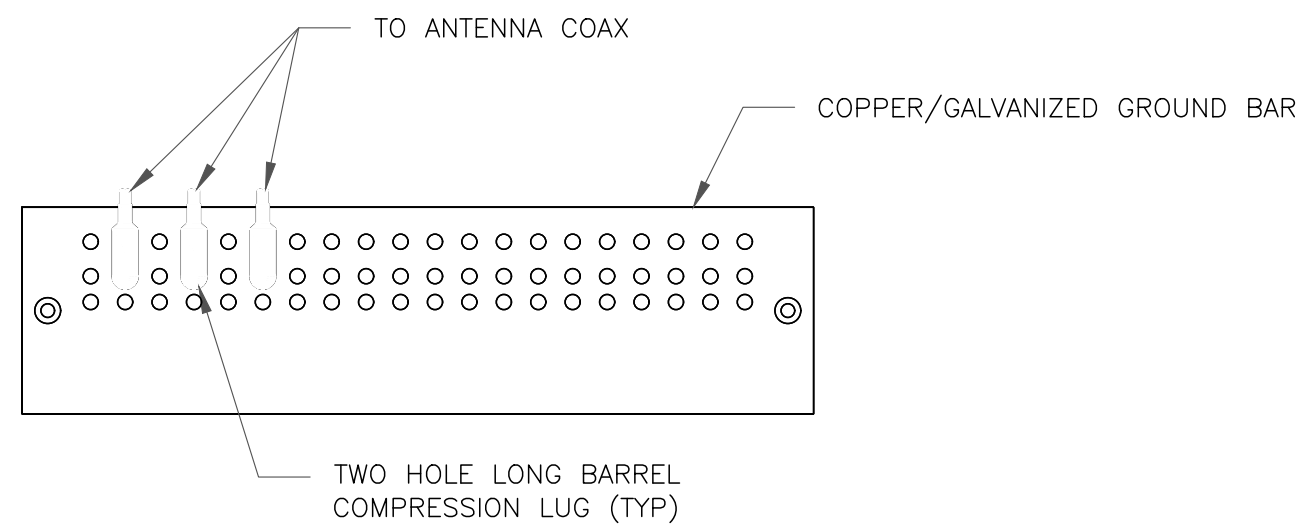
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.



2" Side By Side Mount



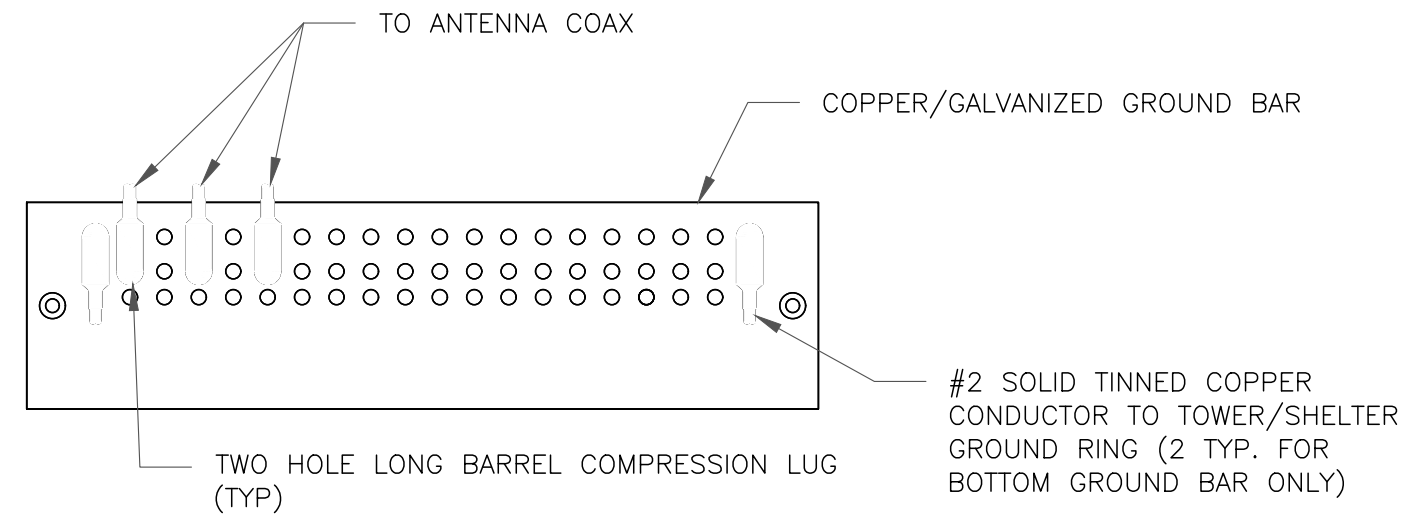
Comments:
 Diagram shows configuration as viewed from standing behind the antennas.
 Antennas will be installed in that order from left to right.
 Cap and weatherproof unused antenna ports.
 All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)



NOTES:

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

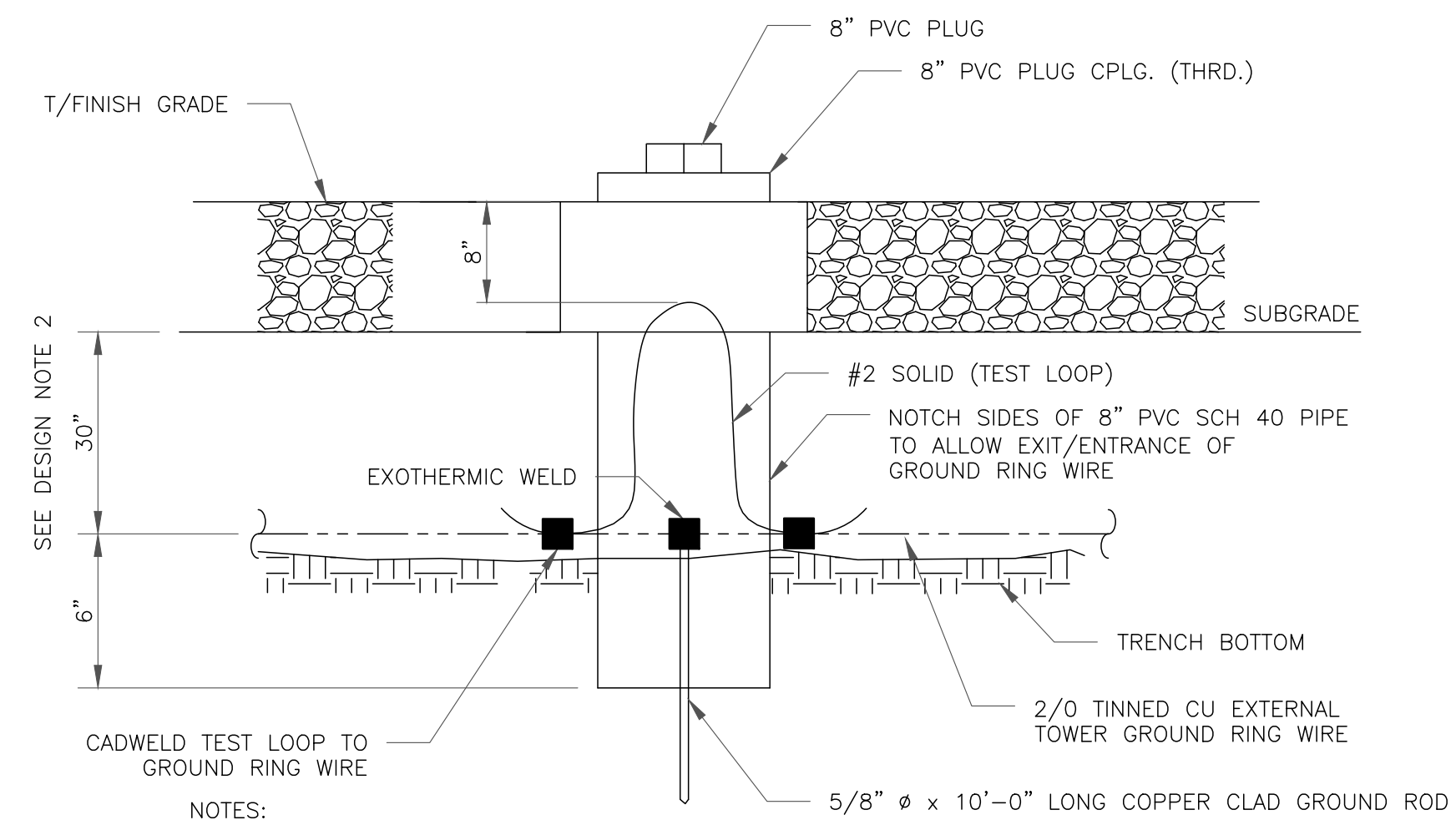
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

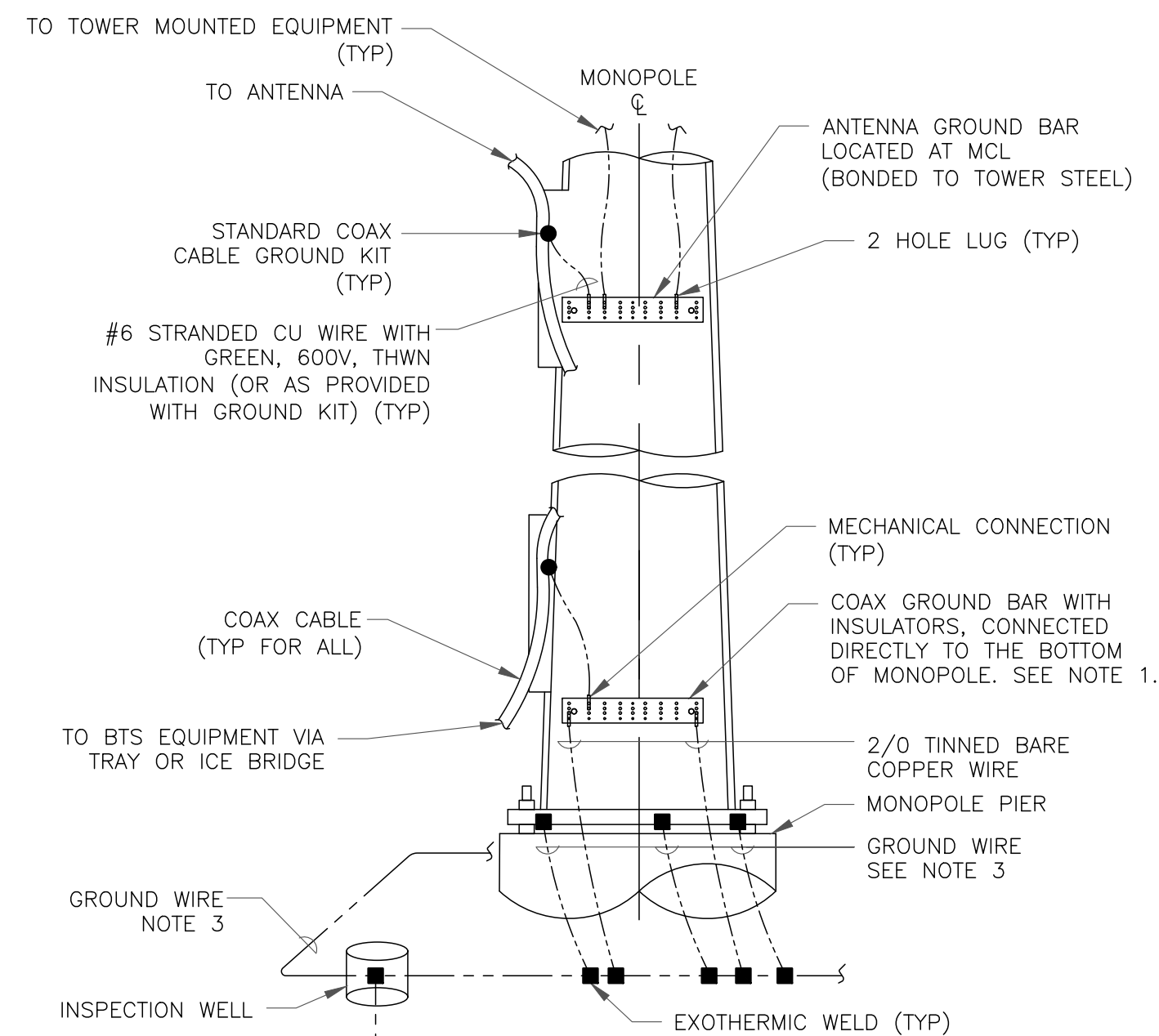
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

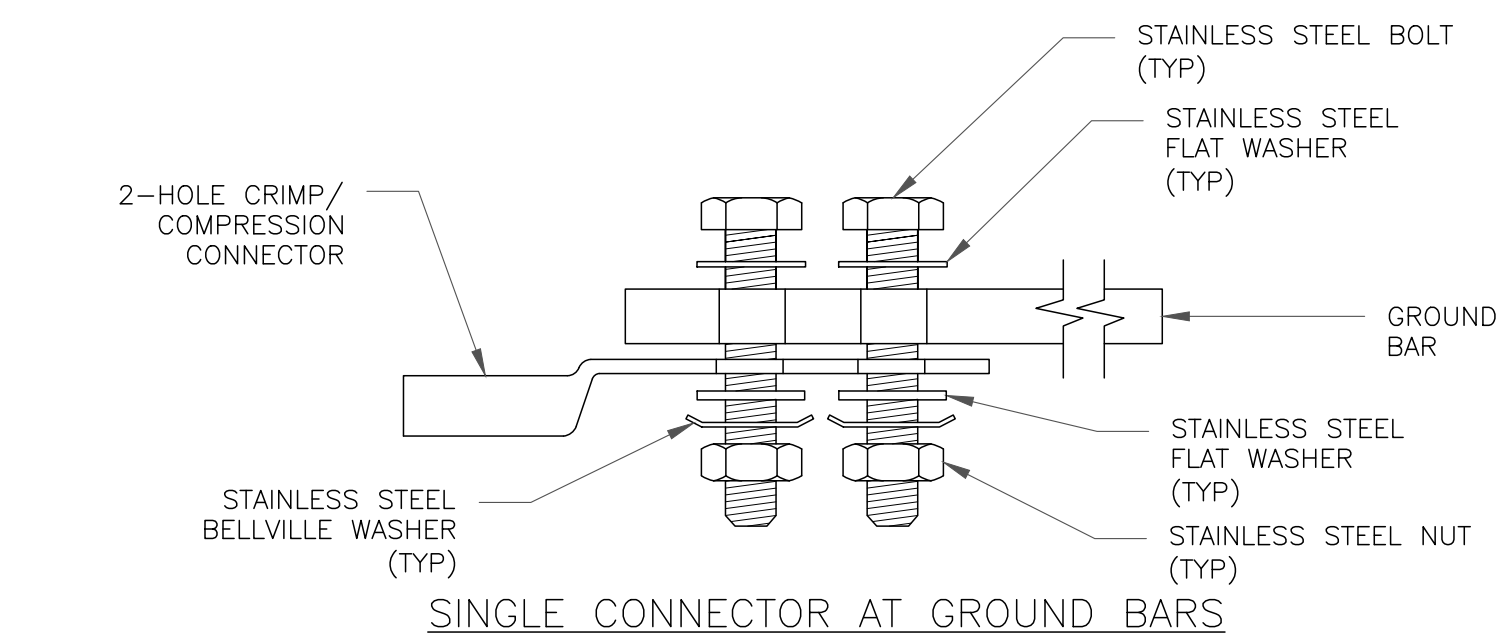
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



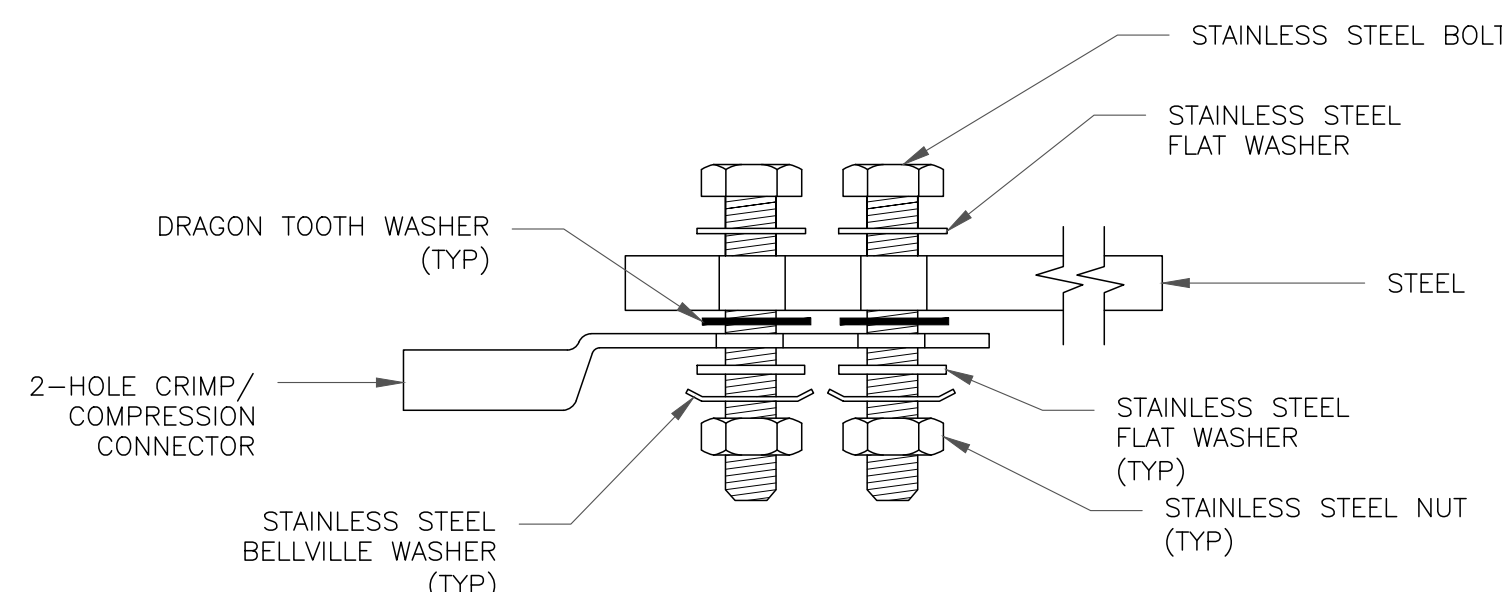
NOTES:

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

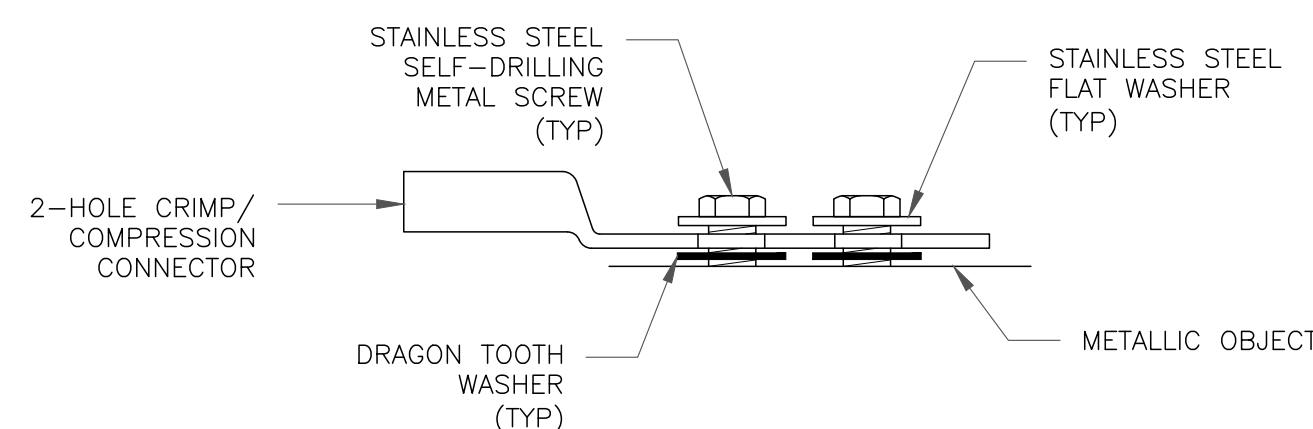
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

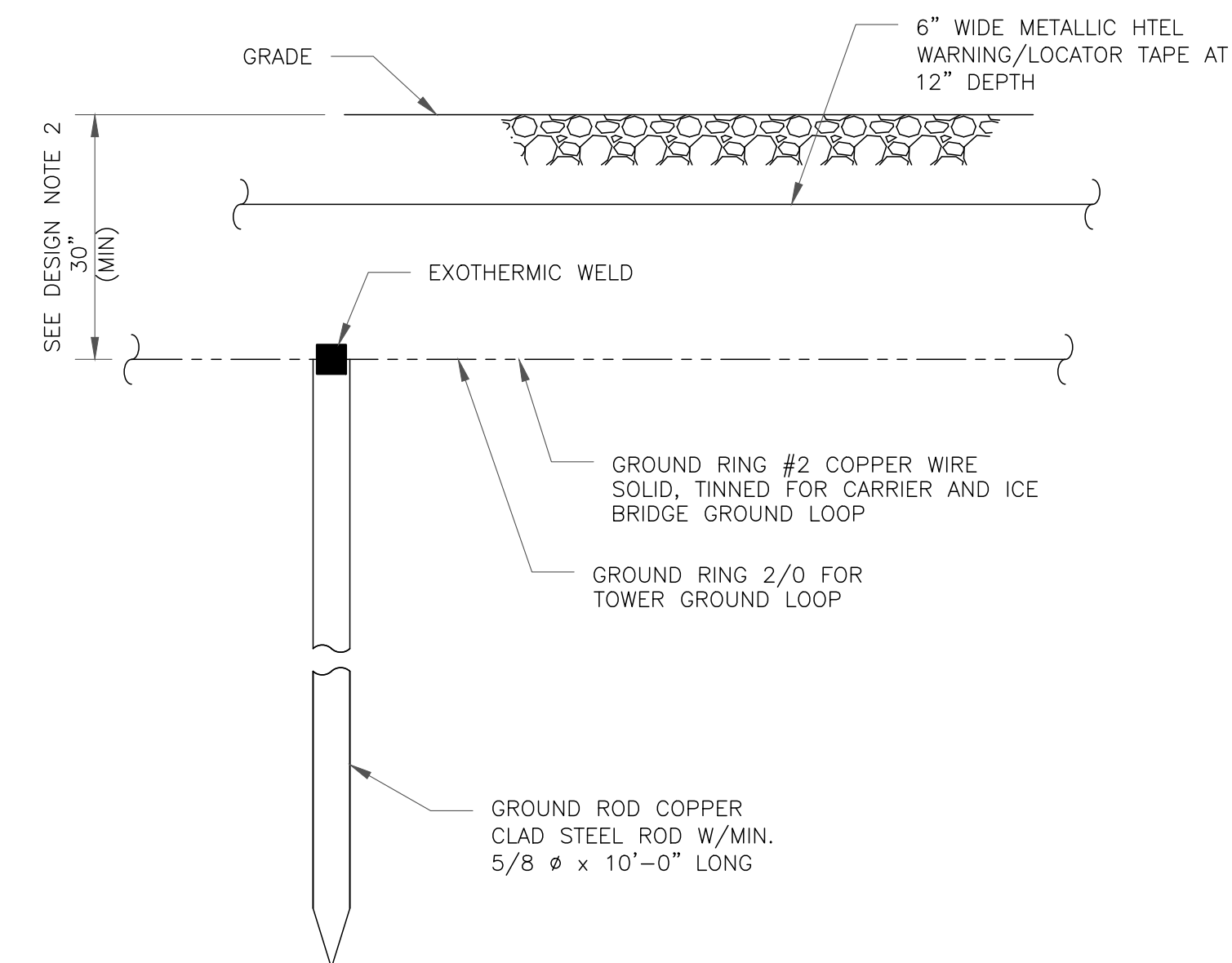


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
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O&G WOODBURY

202 GREAT HOLLOW ROAD
WOODBURY, CT 06798

EXISTING 139'-0" MONOPOLE

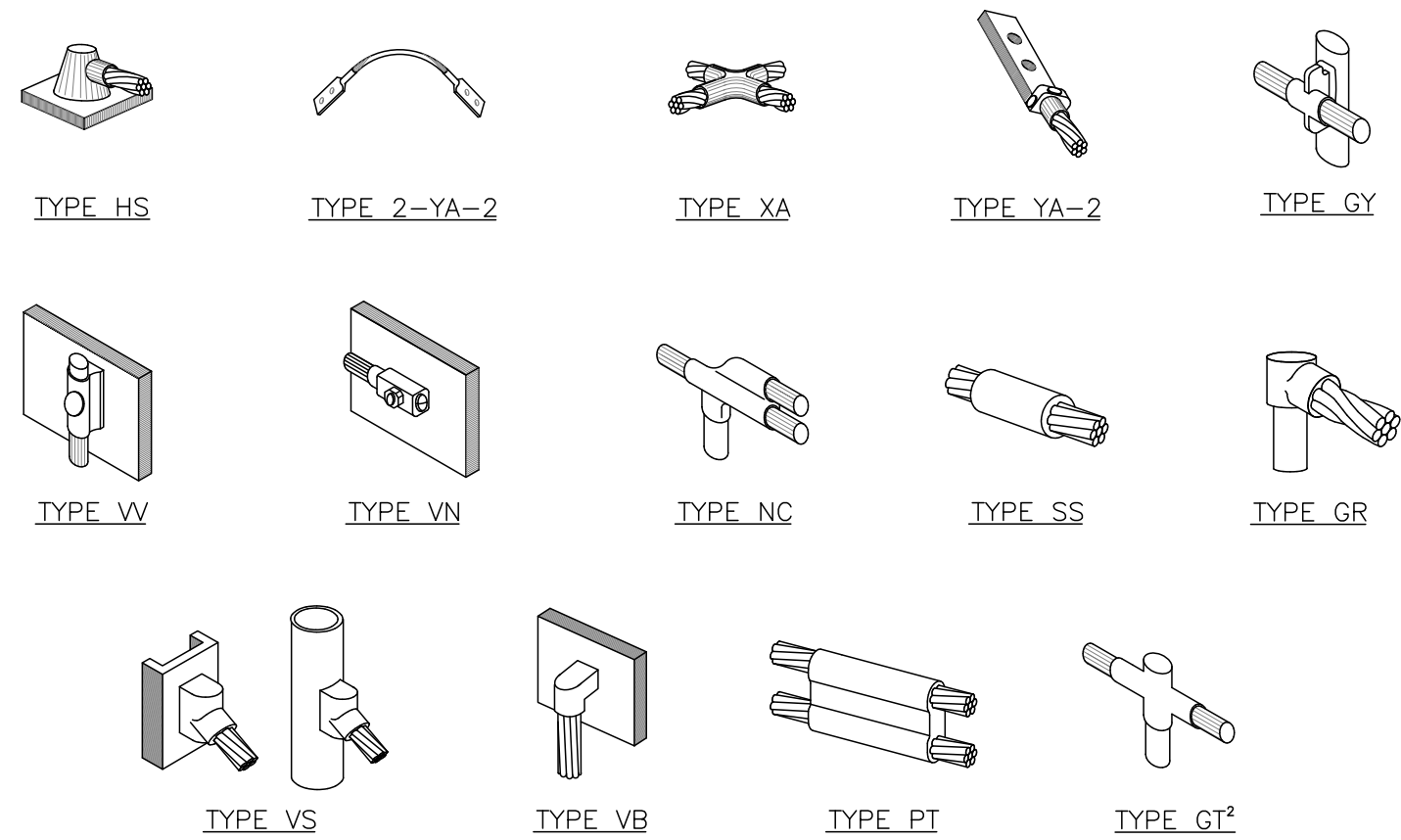
ISSUED FOR:

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[Signature]
07/26/21
PROFESSIONAL ENGINEER
29338

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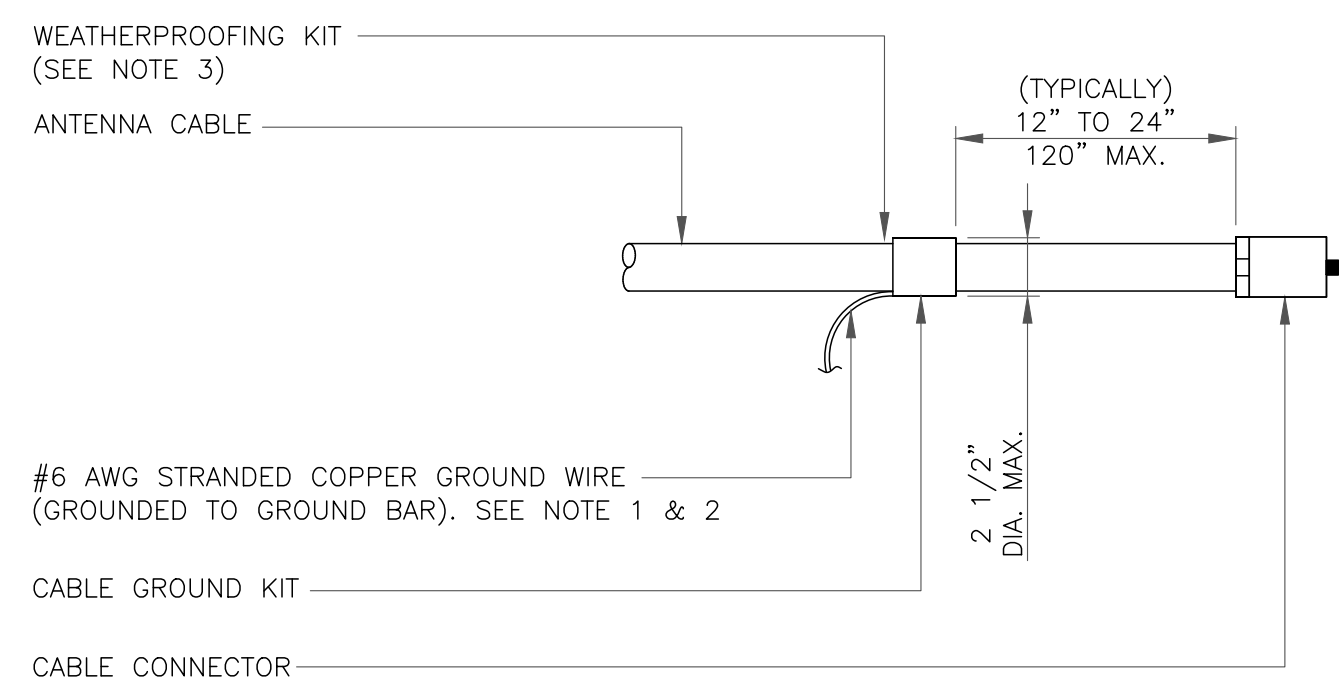
SHEET NUMBER: **G-1** REVISION: **0**



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.

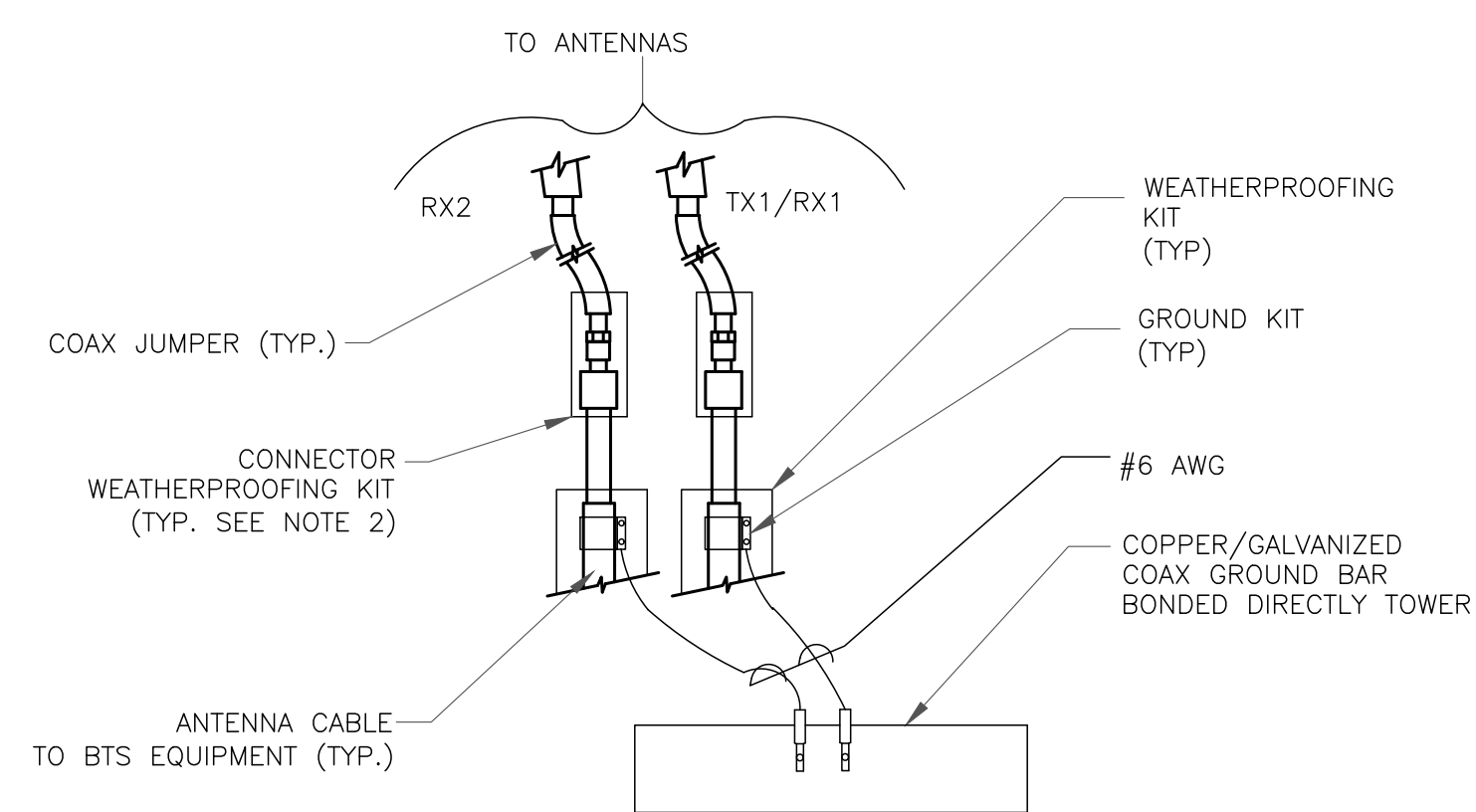
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

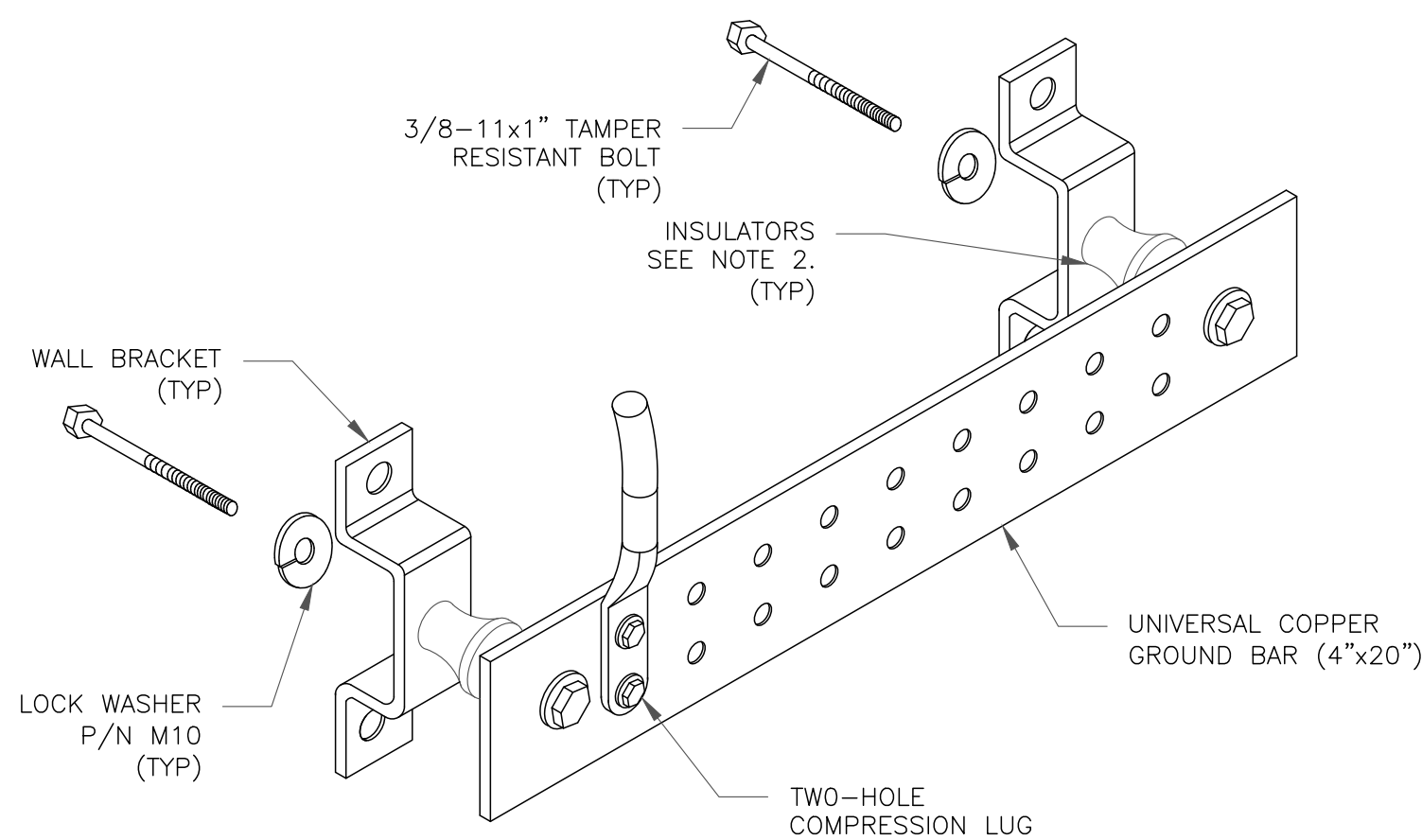
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



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.

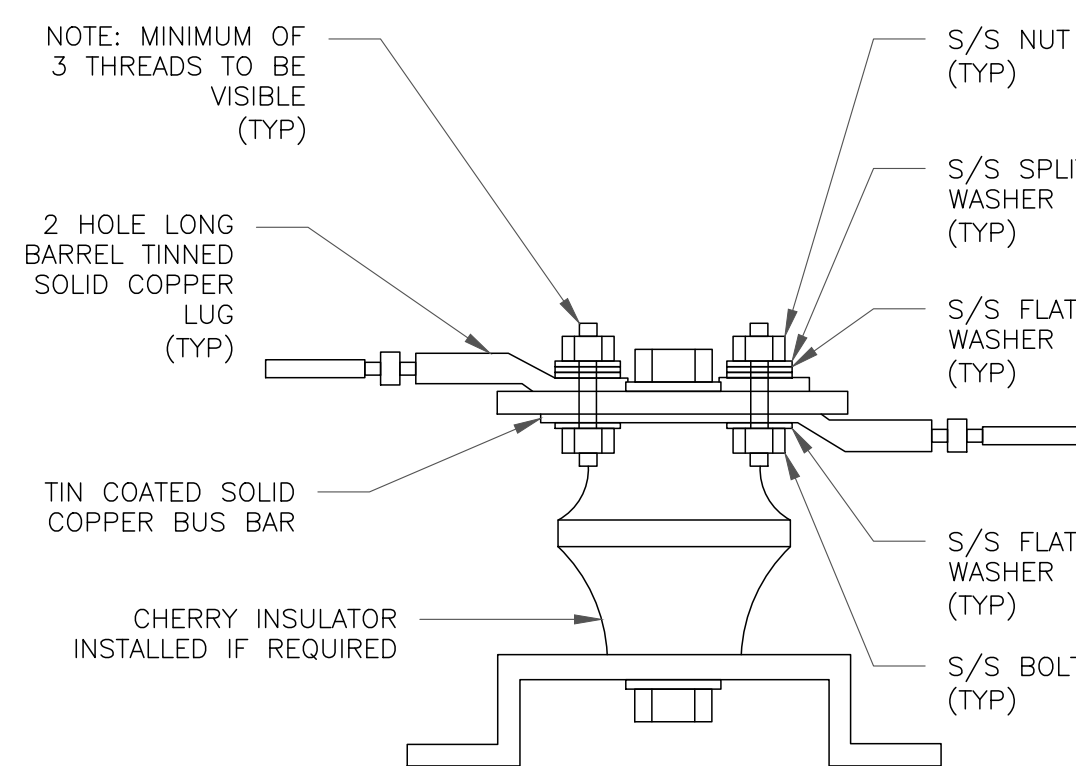
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

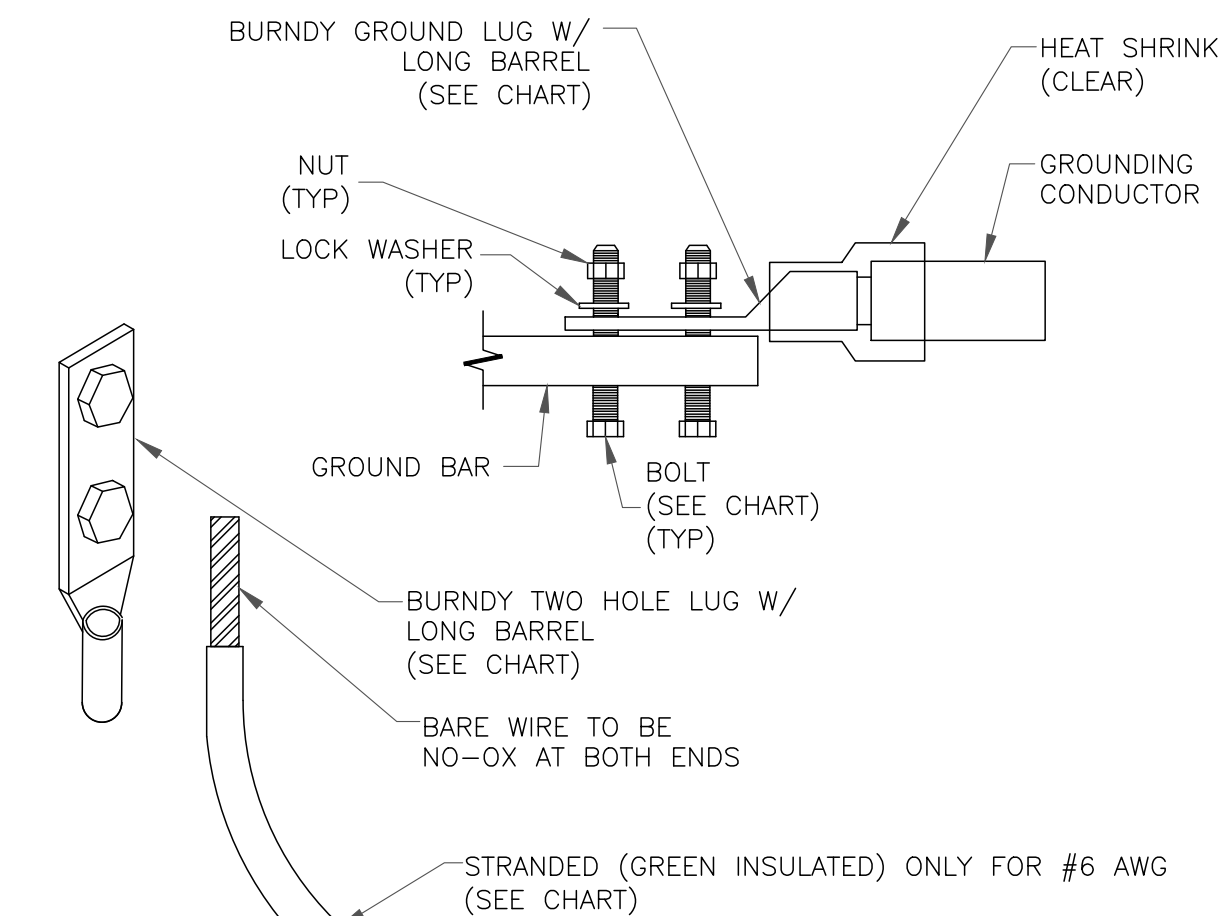
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTE: MINIMUM OF 3 THREADS TO BE VISIBLE (TYP)

7 LUG DETAIL
SCALE: NOT TO SCALE

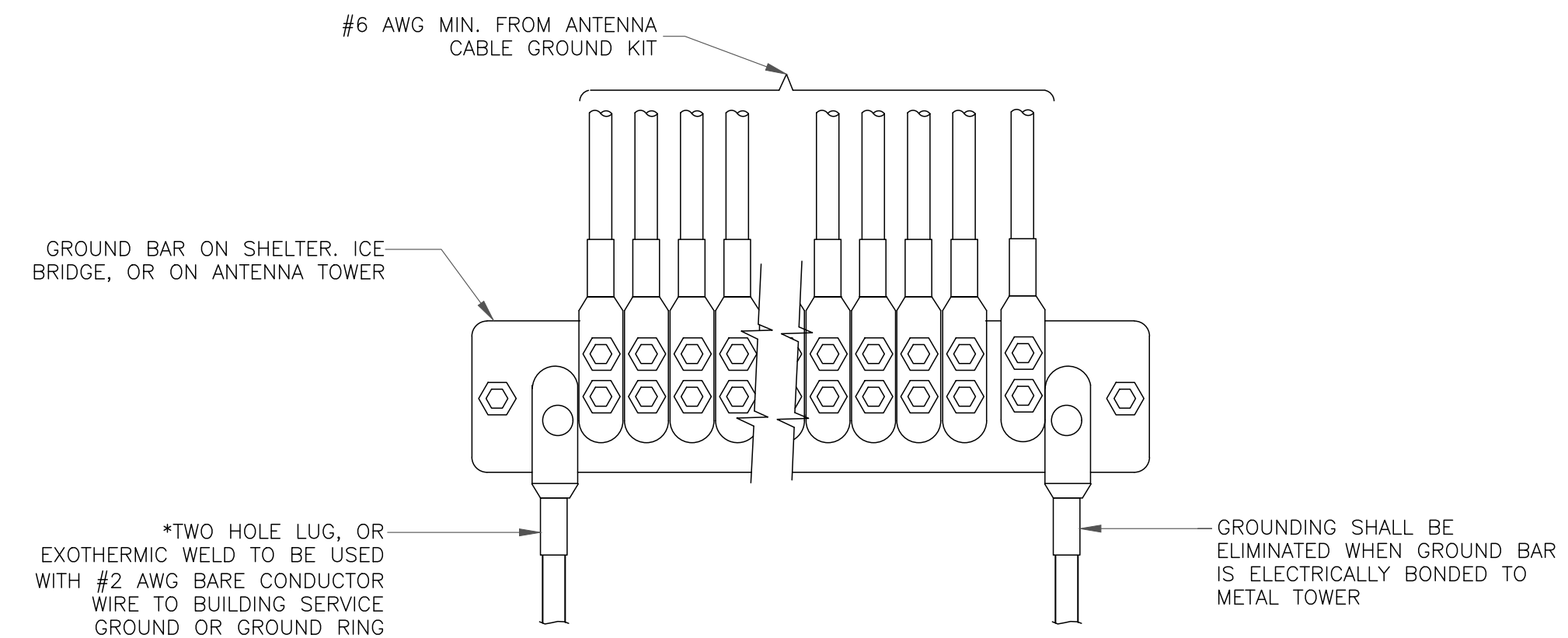
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



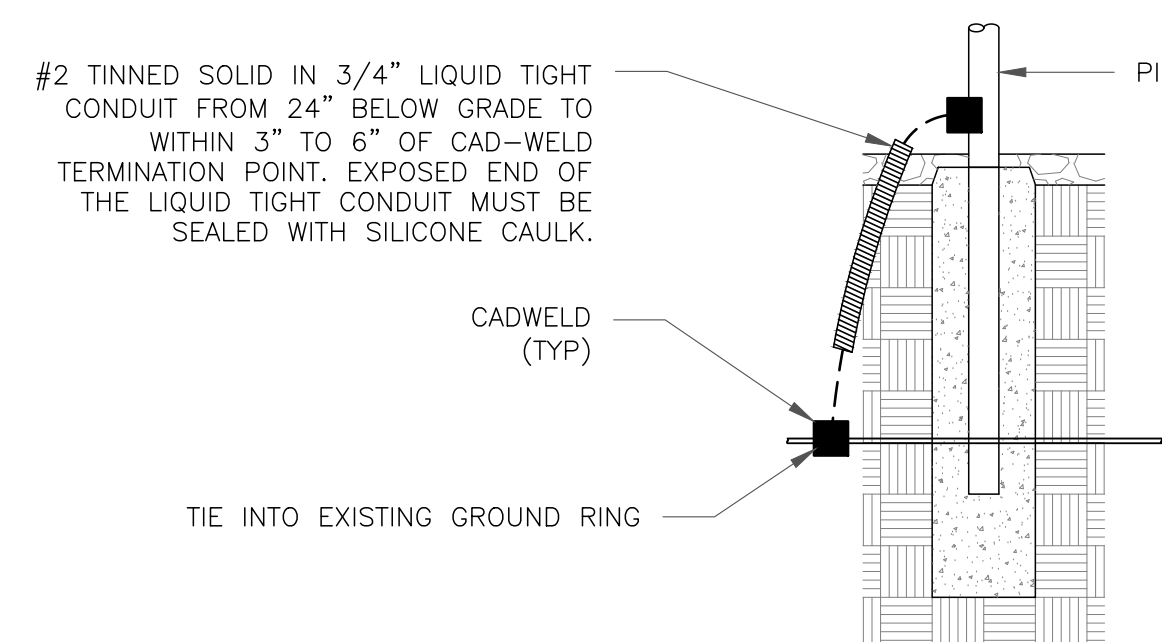
NOTES:

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

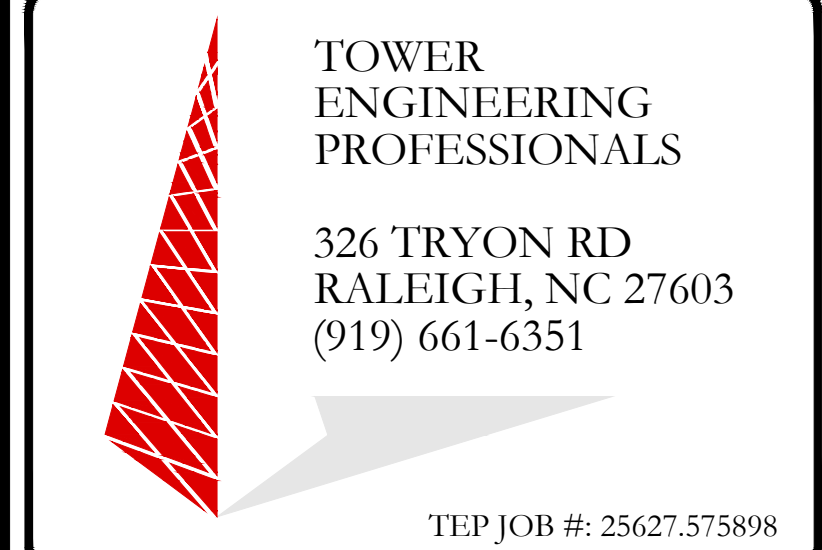
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:
467570

BU #: **876380**
O&G WOODBURY

202 GREAT HOLLOW ROAD
WOODBURY, CT 06798

EXISTING 139'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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SHEET NUMBER: **G-2** REVISION: **0**

PROJECT NOTES

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



MOUNT MODIFICATION DRAWINGS EXISTING 14.00' PLATFORM

SITE NAME: WOODBURY S CT
SITE NUMBER: 467570

202 GREAT HILL RD
WOODBURY, CT 06798
LITCHFIELD COUNTY

PROJECT INFORMATION	
SITE INFORMATION	
LATITUDE:	41.522006° N
LONGITUDE:	73.220736° W
JURISDICTION:	LITCHFIELD COUNTY
APPLICANT/LESSEE	
COMPANY:	VERIZON WIRELESS
CLIENT REPRESENTATIVE	
COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM
PROJECT MANAGER	
COMPANY:	MASER CONSULTING CONNECTICUT
CONTACT:	PETER ALBANO
PHONE:	856-797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

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

CONTRACTOR PMI REQUIREMENTS	
PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10081112
VZW LOCATION CODE (PSLC):	467570
FUZE ID:	16272072

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS	
FAILING MOUNT ANALYSIS REPORT	
SMART TOOL PROJECT #:	10048998
MASER CONSULTING CONNECTICUT PROJECT #:	21777422A
ANALYSIS DATE:	6/18/2021

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

Derek R. Hartzell
Derek R. Hartzell
Professional Engineer
License Number: 32710
Maser Consulting
C.T. COA # JCE000131
Digitally signed by Derek R. Hartzell
Date: 2021.06.28 13:23:57-04'00'

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467570
202 GREAT HILL RD
WOODBURY, CT 06798
LITCHFIELD COUNTY

MT. LAUREL OFFICE
2000 Piedmont Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

BILL OF MATERIALS

VZWSMART KITS				
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET	
12		VZWSMART-MSK I	CROSSOVER PLATE	
OTHER REQUIRED PARTS				
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	12" LONG, L3x3x1/4	GALVANIZED; CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
3	-	-	168" LONG, P2.5 STD	GALVANIZED
1	-	-	36" LONG, P2.0 STD	GALVANIZED
1	SITE PRO I	SQCX4-K	CROSSOVER PLATE KIT W/ SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING CONNECTICUT FOR APPROVAL OF SUBSTITUTION

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

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

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

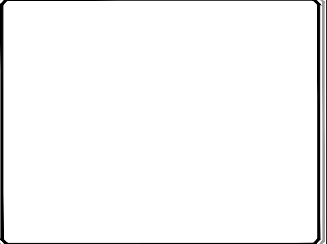


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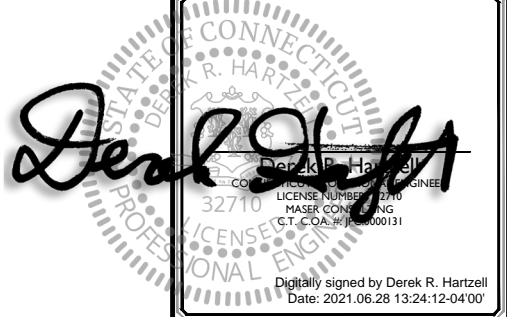
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2000 Millstone Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
BILL OF MATERIALS

SHEET NUMBER:
S-1

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GENERAL NOTES

- THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
- CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
- IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
- 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 ANSITIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSITIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
- ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSITIA-322.
- CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
- CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
- THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

DESIGN LOADS

- WIND LOADS
- BASIC WIND SPEED (3 SECOND GUST), V = 116 MPH
 - EXPOSURE CATEGORY B
 - TOPOGRAPHIC CATEGORY I
 - MEAN BASE ELEVATION (AMSL) = 589.96'

- ICE LOADS
- ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
 - ICE THICKNESS = 1.00 IN

- SEISMIC LOADS
- SEISMIC DESIGN CATEGORY B
 - SHORT TERM MCER GROUND MOTION, S_s = .196
 - LONG TERM MCER GROUND MOTION, S_l = .054

STRUCTURAL STEEL

- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
 - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
 - AISC CODE OF STANDARD PRACTICE
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

- ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
- PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 - SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENGINEERING.COM
 - PROVIDE MASER CONSULTING CONNECTICUT PROJECT # AND MASER CONSULTING CONNECTICUT PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
- DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.

- ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
- ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
- ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

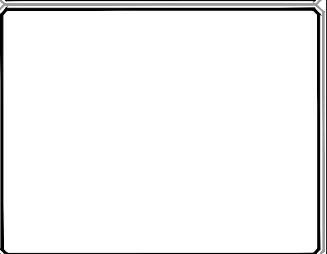


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LITCHFIELD COUNTY



MT. LAUREL OFFICE
2000 Millstone Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
S-2

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MODIFICATION INSPECTION NOTES

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

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

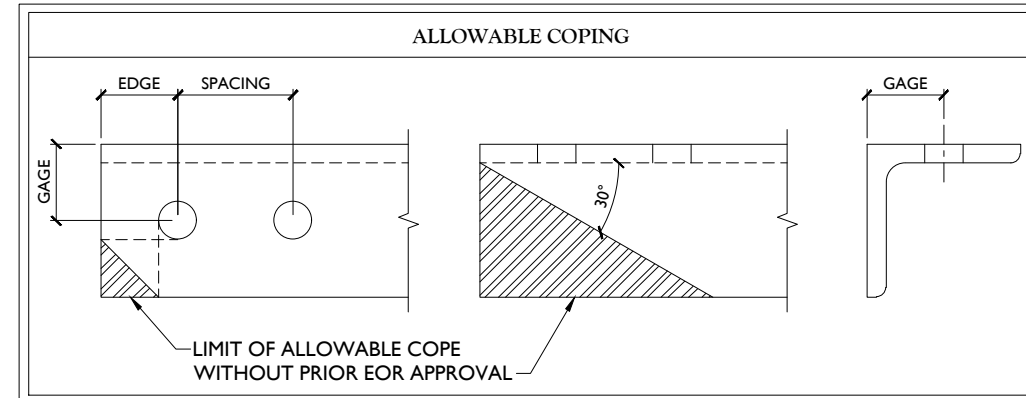
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

REQUIRED PHOTOS

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

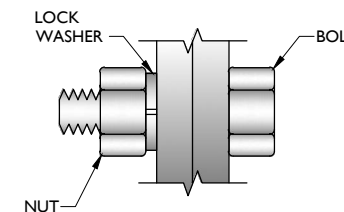
- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - FOUNDATION MODIFICATIONS
 - WELD PREPARATION
 - BOLT INSTALLATION
 - FINAL INSTALLED CONDITION
 - SURFACE COATING REPAIR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

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



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

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

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



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SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
S-3



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Professional Engineer
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Maser Consulting
C.T. Co. # JCE-000131
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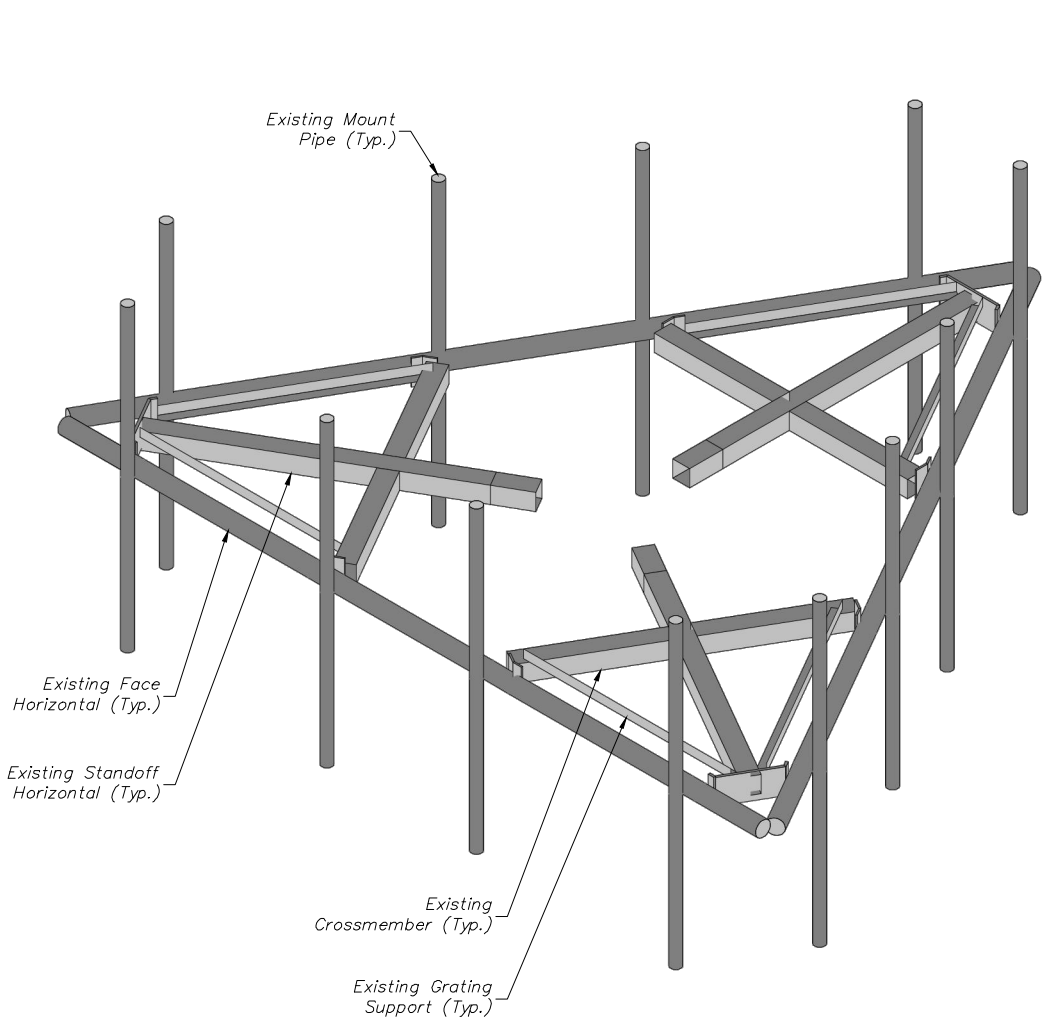
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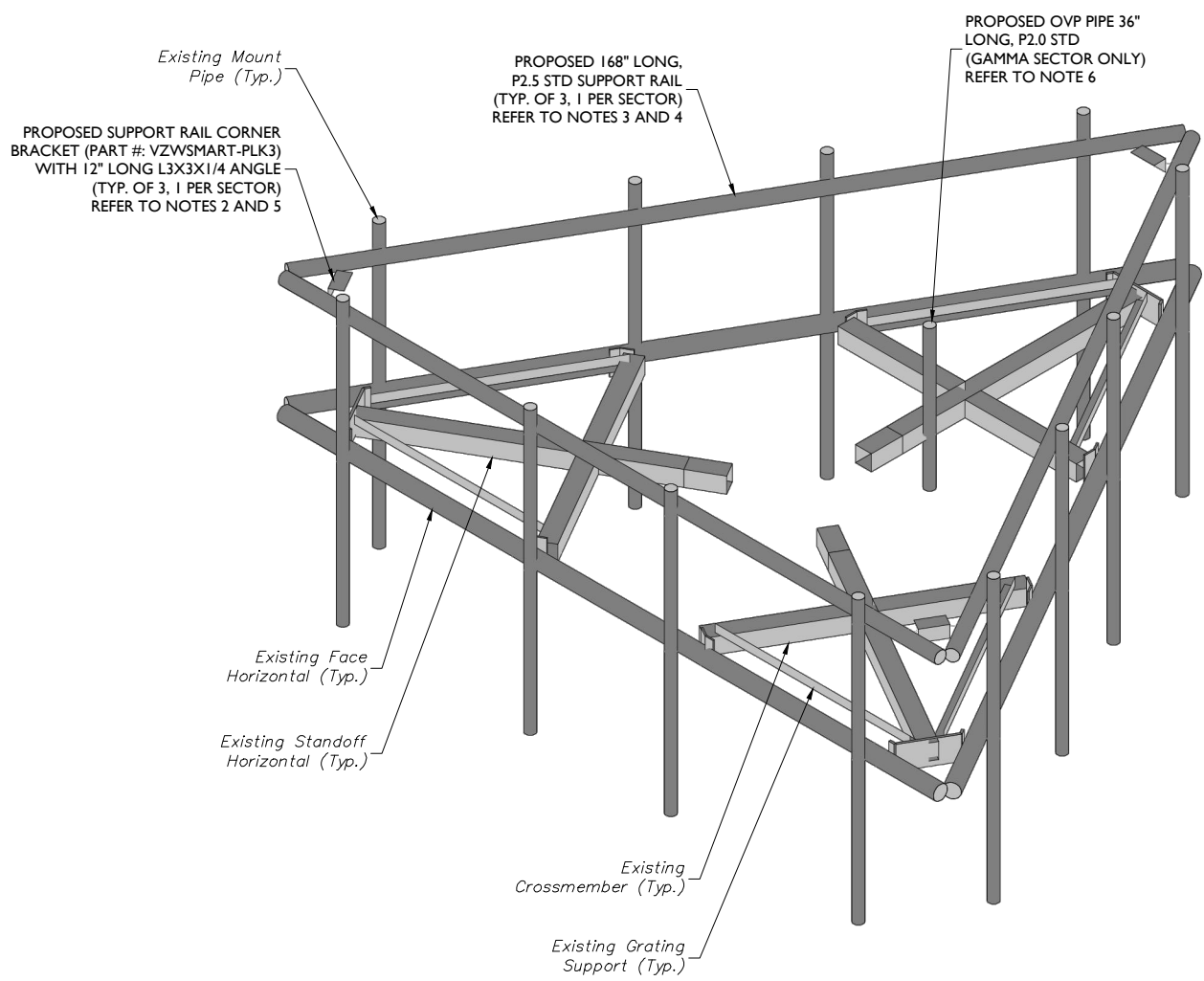
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Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-4



1 EXISTING PLATFORM ISOMETRIC VIEW
SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW
SCALE : N.T.S.

STRUCTURAL NOTES:

- CONTRACTOR TO INSPECT CLIMBING FACILITIES AT SITE AND ENSURE THAT THE SAFETY CLIMB IS IN GOOD CONDITION AND THAT THE WIRE ROPE DOES NOT OR WILL NOT INTERFERE WITH THE EXISTING OR PROPOSED MOUNT CONNECTIONS. CONTRACTOR SHALL INSTALL SAFETY CLIMB WIRE ROPE GUIDED AROUND MOUNT CONNECTIONS AS NEEDED.
- INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

- MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
- CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
- RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
- CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATE (PART #: VZWSMART-MSK I).
- CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
- CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATE (SITE PRO I PART #: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION).



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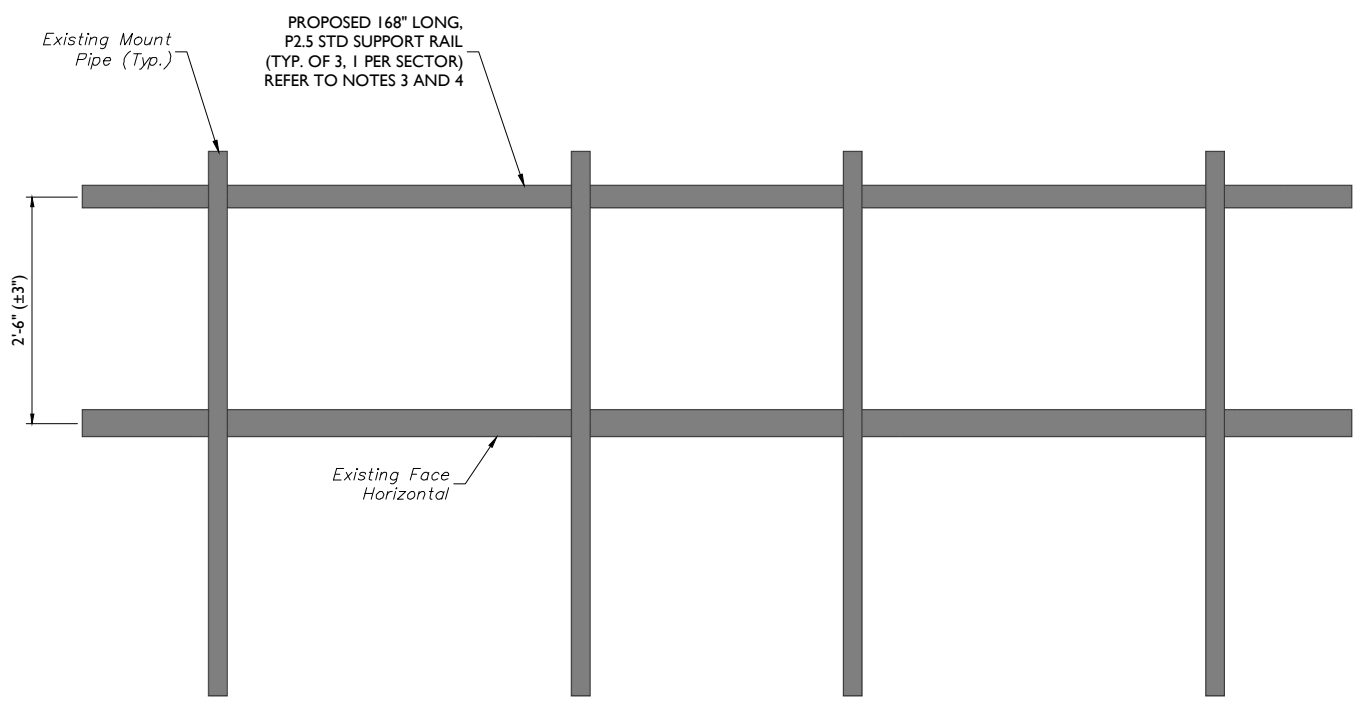
Derek R. Hartzell
Derek R. Hartzell
REGISTERED PROFESSIONAL ENGINEER
LICENSE NUMBER: 32710
M.A.S.E.R. CONSULTING
C.T. C.O.A. # J00000131
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Fax: 856.722.1120

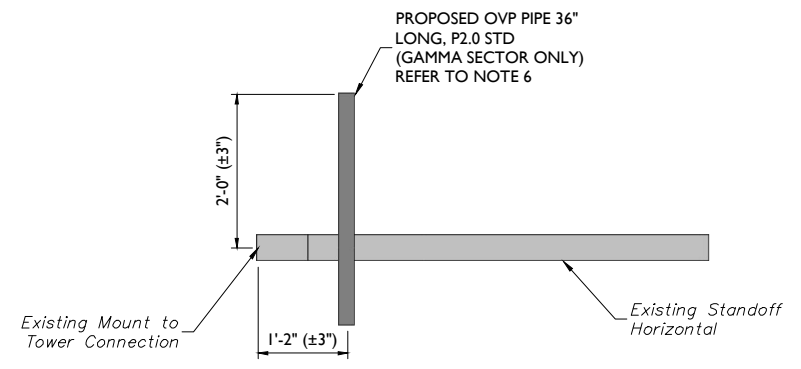
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SHEET NUMBER:
S-5



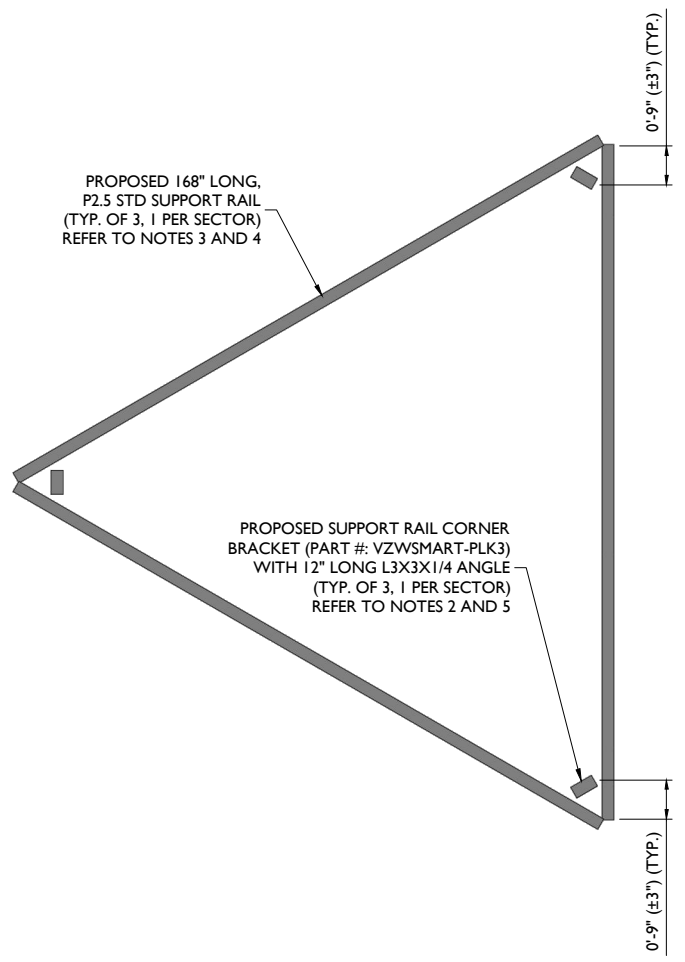
1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)
SCALE : N.T.S.

MODIFICATION NOTES:

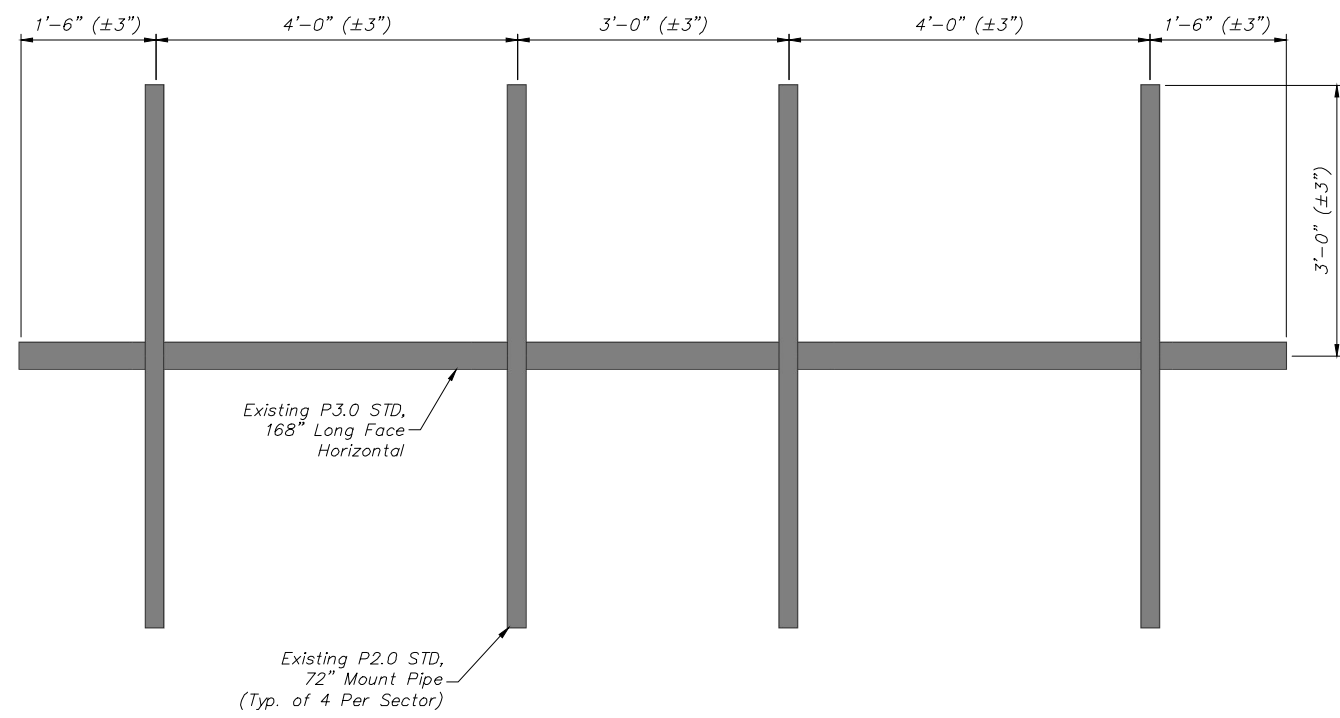
1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATE (PART #: VZWSMART-MSK 1).
5. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATE (SITE PRO I PART #: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION).



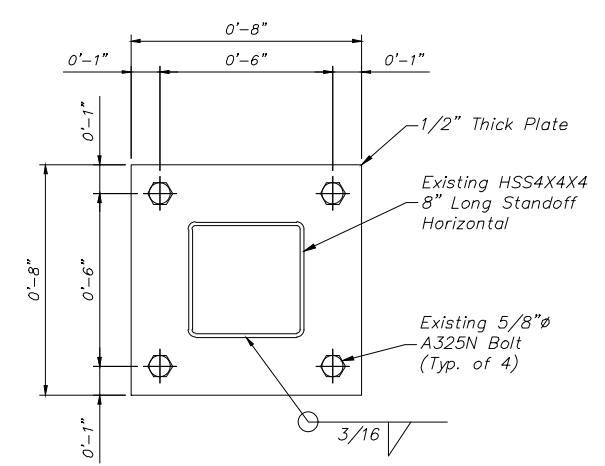
2 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)
SCALE : N.T.S.



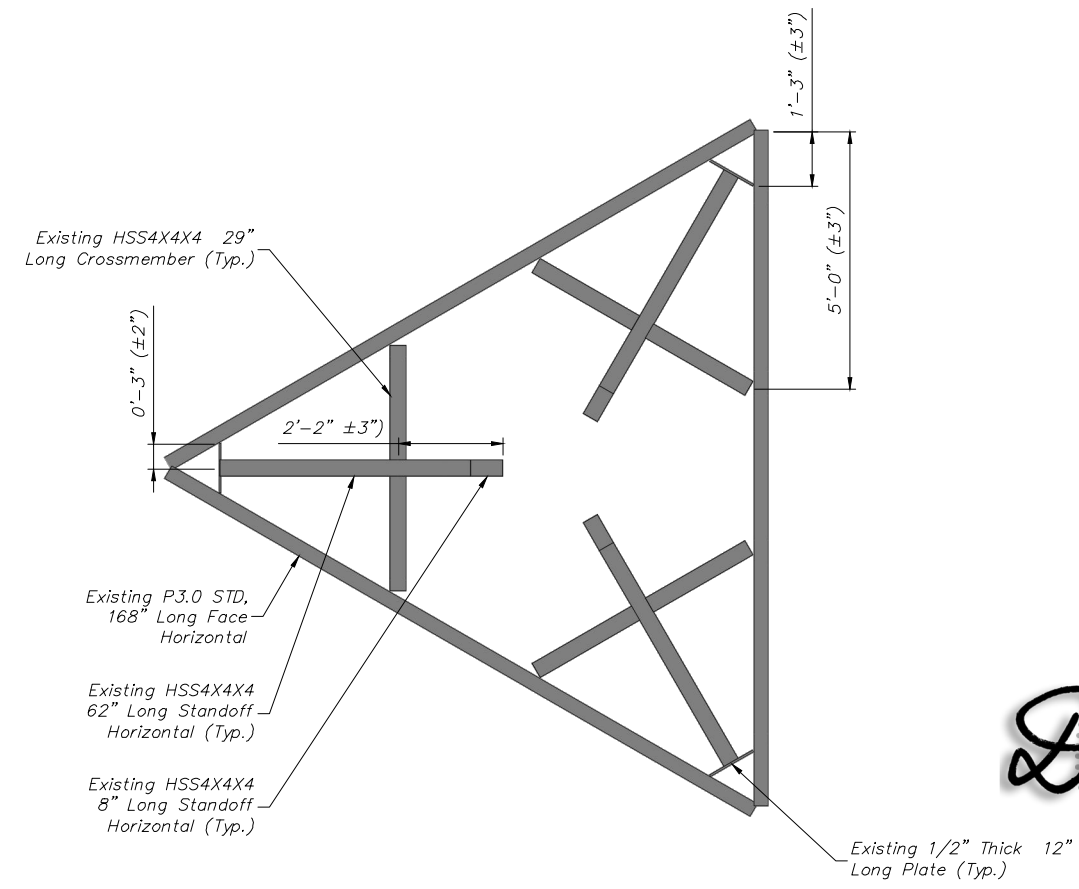
3 PROPOSED PLAN VIEW
SCALE : N.T.S.



1 EXISTING MOUNT GEOMETRY VERIFICATION PLAN VIEW
 SCALE: N.T.S.



3 MOUNT CONNECTION DETAIL
 SCALE: N.T.S.



2 EXISTING MOUNT GEOMETRY VERIFICATION FRONT VIEW
 SCALE: N.T.S.

NOTE:
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBER SIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONS OR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDE TO THE EOR FOR EVALUATION.



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SHEET TITLE: GEOMETRY VERIFICATION SKETCHES

SHEET NUMBER: S-6



MOUNT PHOTO 1



MOUNT PHOTO 2



MOUNT PHOTO 3



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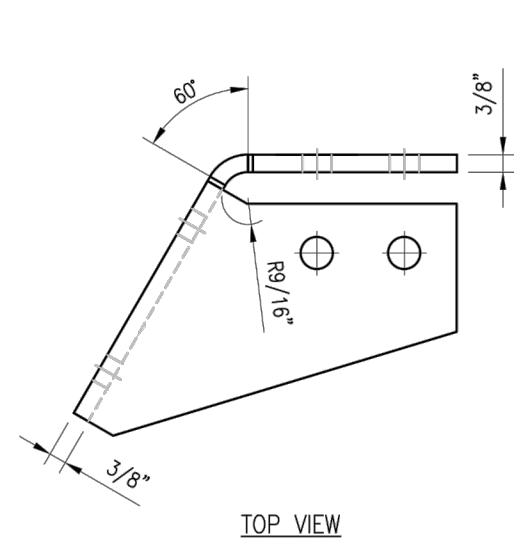
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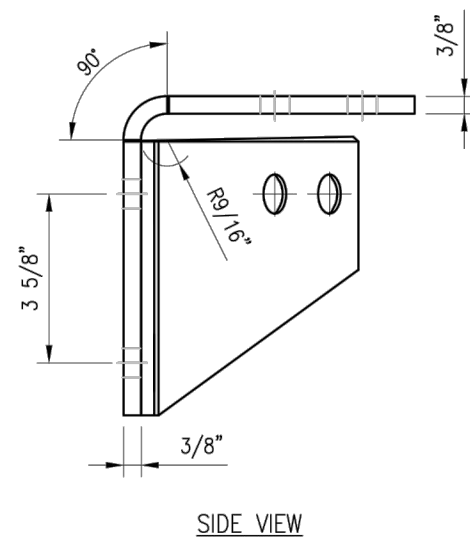
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MOUNT PHOTOS

SHEET NUMBER:
S-7

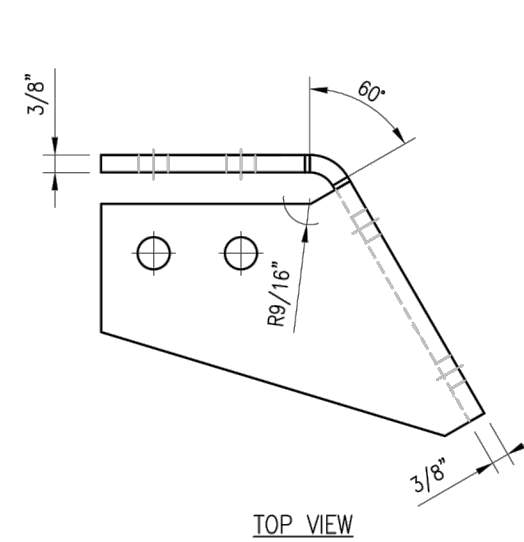


TOP VIEW

CBP-L

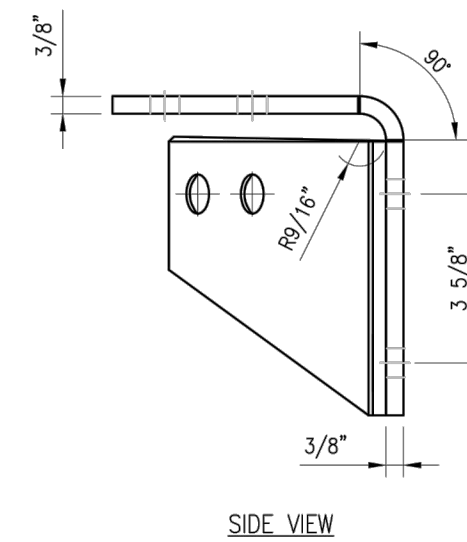


SIDE VIEW



TOP VIEW

CBP-R



SIDE VIEW

NOTES:

- HOT-DIPPED GALVANIZED PER ASTM A123.

VZSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
GALVANIZED WT					30

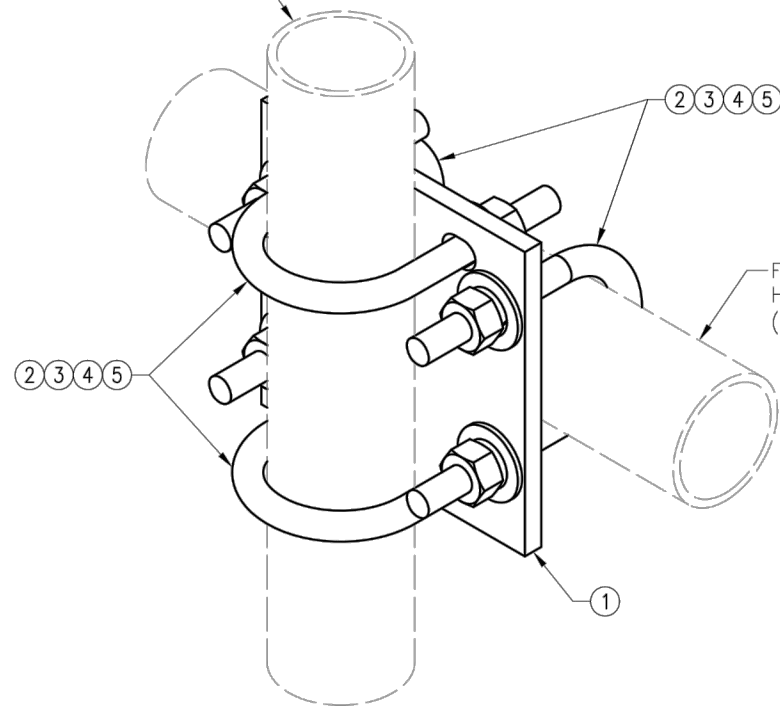
DRAWN BY: H.R CHECKED BY: HMA

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

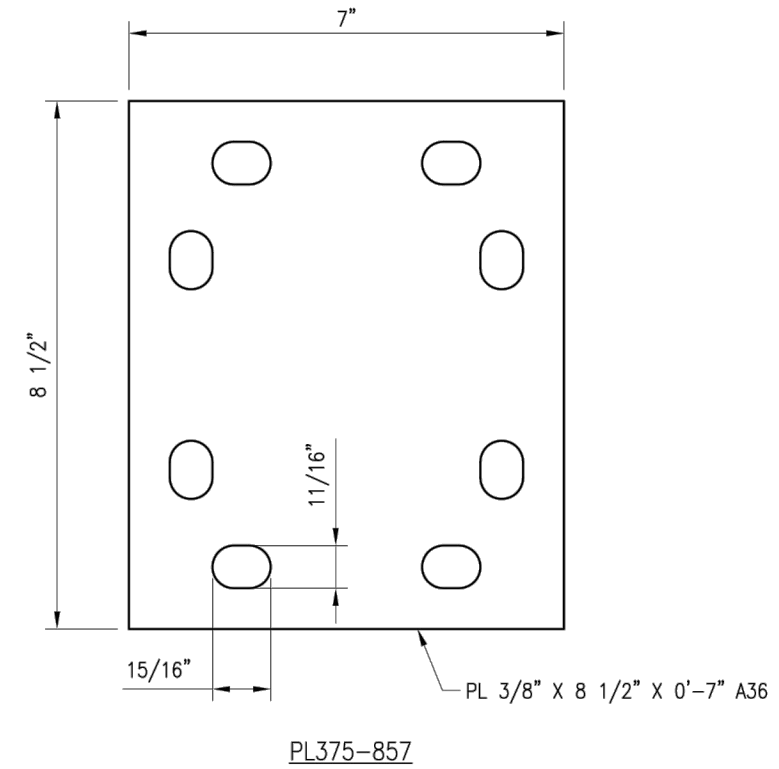
SHEET TITLE:
**VZSMART-PLK3
 SUPPORT RAIL CORNER
 BRACKET**

SHEET NUMBER: **VZSMART-PLK3** REV #: **0**

FITS 2.375" O.D. AND 2.875" O.D.
 VERTICAL PIPE.
 (NOT INCLUDED IN THIS KIT)



FITS 2.375" O.D. AND 2.875" O.D.
 HORIZONTAL PIPE.
 (NOT INCLUDED IN THIS KIT)



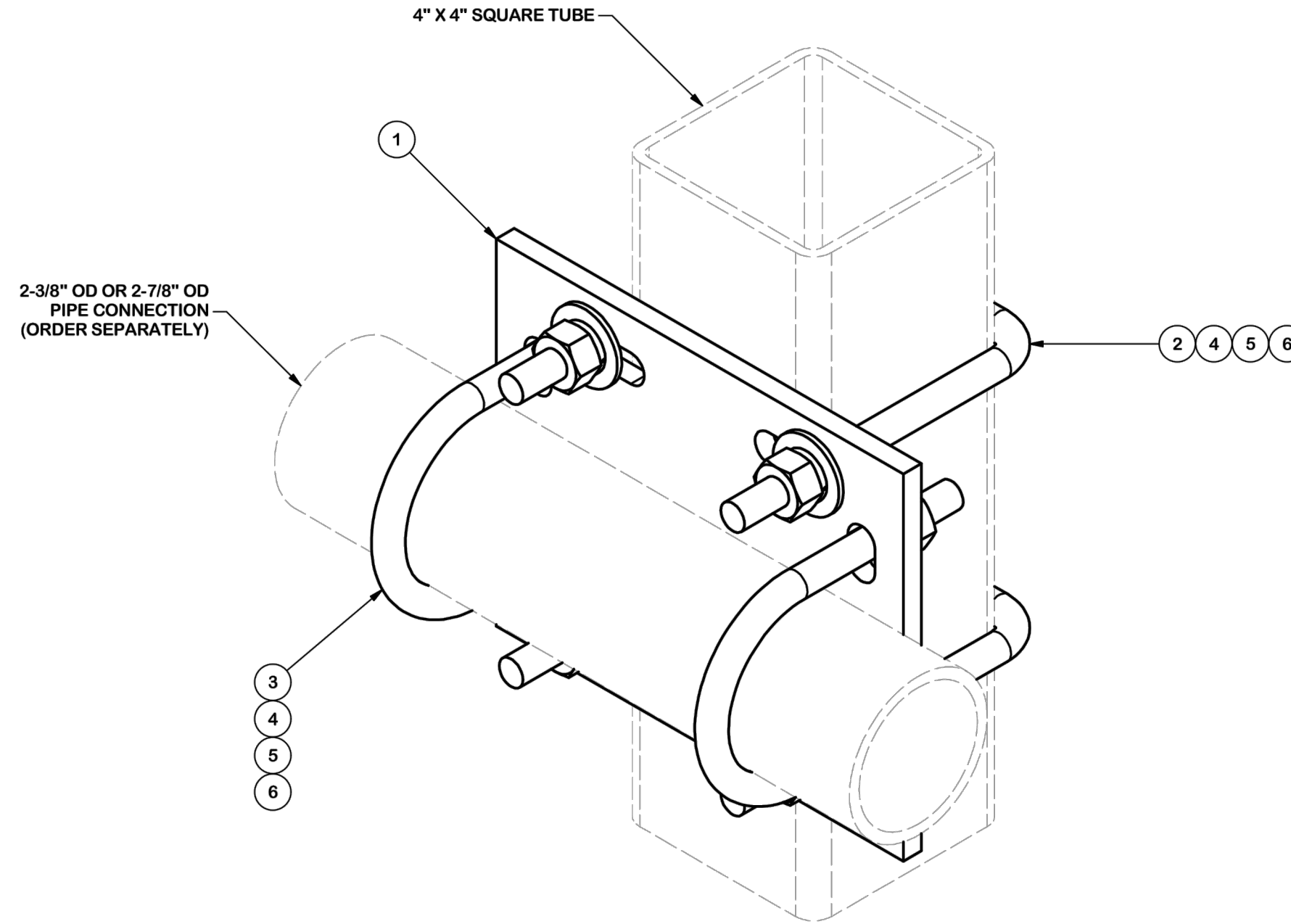
NOTES:
 1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
GALVANIZED WT					14

DRAWN BY: H.R		CHECKED BY: HMA	
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:	
VZSMART-MSK1 CROSSOVER PLATE	
SHEET NUMBER:	REV #:
VZSMART-MSK1	0

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



TOLERANCE NOTES

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

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 W/ SQUARE U-BOLTS AND STD. U-BOLTS**

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CLASS	SUB	DRAWING USAGE
87	02	CUSTOMER
	CHECKED BY	
	BMC 11/12/2018	

PART NO.	SQCX4-K
DWG. NO.	SQCX4-K

Exhibit D

Structural Analysis Report

Date: **May 23, 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: 467570
Site Name: Woodbury South CT

Crown Castle Designation: **BU Number:** 876380
Site Name: O&G Woodbury
JDE Job Number: 645910
Work Order Number: 1962007
Order Number: 554034 Rev. 1

Engineering Firm Designation: **B+T Group Project Number:** 137090.003.01

Site Data: **Great Hollow Road, Woodbury, Litchfield County, CT**
Latitude 41° 31' 19.2", Longitude -73° 13' 14.65"
138.5 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:

LC5: Proposed Equipment Configuration

Sufficient Capacity - 57.0%

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

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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tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 138.5 ft. Monopole designed by Engineered Endeavors, Inc.

The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

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

Table 1 - Proposed Equipment Configuration

Mounting Level (ft.)	Center Line Elevation (ft.)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
129.0	129.0	3	Andrew	LNx-8513DS-A1M	7	1-5/8
		6	Quintel Tech.	QS6656-5D		
		1	RFS Celwave	DB-C1-12C-24AB-0Z		
		3	Samsung Telecomm.	RFV01U-D1A		
		3	Samsung Telecomm.	RFV01U-D2A		
		3	Samsung	MT6407-77A		
		1	--	Platform Mount [LP 405-1]		

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)
138.0	139.0	1	Dbspectra	DS9A09F36D-N	14	1-1/4
		6	CCI Antennas	TPX-070821		
		3	Commscope	ATSBT-TOP-FF-4G		
		3	Ericsson	RRUS 32		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 8843 B2/B66A		
		4	Kathrein	80010964		
		2	Kathrein	80010965		
		3	Powerwave Tech.	7770.00		
		3	Powerwave Tech.	TT19-08BP111-001		
		2	Quintel Tech.	QS46512-2		
		1	Quintel Tech.	QS66512-2		
		3	Raycap	DC6-48-60-18-8F		
	138.0	1	--	Platform Mount [LP 303-1_HR-1]	2	3/4
137.0	137.0	3	Ericsson	TME-RRUS-11	--	--
		1	--	Side Arm Mount [SO 102-3]		

Mounting Level (ft.)	Center Line Elevation (ft.)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
136.0	148.0	1	Telewave	ANT150F6	1	1-1/4
	136.0	1	--	Pipe Mount [PM 601-1]		
106.0	108.0	3	Alcatel Lucent	PCS 1900MHZ 4X45W-65MHZ	--	--
	106.0	1	--	Pipe Mount [PM 601-3]		
	104.0	3	Alcatel Lucent	RRH2X50-800		
104.0	104.0	3	RFS Celwave	APXVTM14-ALU-I20	4	1-1/4
		3	Alcatel Lucent	TD-RRH8X20-25		
		3	RFS Celwave	APXVSP18-C-A20		
		1	--	Platform Mount [LP 1201-1_HR-1]		
87.0	87.0	3	Commscope	ATBT-BOTTOM-24V	16 2	1-5/8 5/8
		6	Andrew	ETM19V2S12UB		
		6	RFS Celwave	APXV18-209014-C		
		3	Commscope	LNx-6515DS-VTM		
		1	--	Platform Mount [LP 305-1]		
70.0	71.0	1	Lucent	KS24019-L112A	1	1/2
	70.0	1	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	1533002	CCI Sites
Tower Modification Drawing	2055776	CCI Sites
Post Modification Inspection	8290781	CCI Sites
Tower Modification Drawing	3030835	CCI Sites
Post Modification Inspection	3420974	CCI Sites
Tower Modification Drawing	8337308	CCI Sites
Post Modification Inspection	8818850	CCI Sites
Foundation Drawing	2122534	CCI Sites
Geotech Report	1531967	CCI Sites
Crown CAD Package	Date: 04/28/2021	CCI Sites

3.1) Analysis Method

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

3.2) Assumptions

- 1) 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	138.5 - 108.5	Pole	TP24.5x17.375x0.188	1	-10.591	888.757	53.0	Pass
L2	108.5 - 83.758	Pole	TP31.862x24.5x0.25	2	-17.410	1475.796	49.9	Pass
L3	83.758 - 43.034	Pole	TP43.416x30.029x0.313	3	-27.707	2519.191	49.5	Pass
L4	43.034 - 0	Pole	TP55.5x41.036x0.313	4	-40.982	3362.352	57.0	Pass
							Summary	
						Pole (L4)	57.0	Pass
						Rating =	57.0	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft.)	% Capacity	Pass / Fail
1,2	Flange Connections	108.5	32.4	Pass
1,2	Anchor Rods	Base	38.4	Pass
1,2	Base Plate	Base	52.2	Pass
1,2	Base Foundation (Structure)	Base	36.5	Pass
1,2	Base Foundation (Soil Interaction)	Base	43.2	Pass

Structure Rating (max from all components) =	57.0%
---	--------------

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 foundations have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

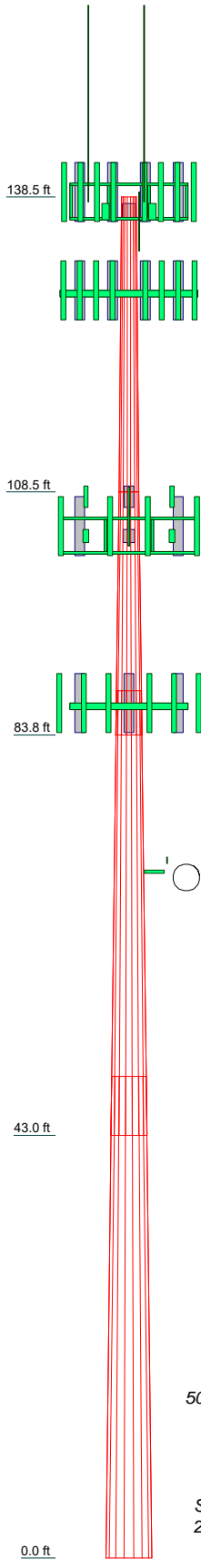
MATERIAL STRENGTH

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

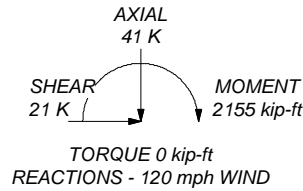
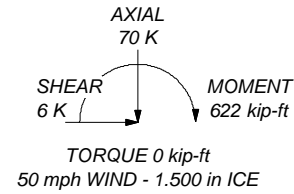
TOWER DESIGN NOTES

1. Tower is located in Litchfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 120 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: 57%

Section	1	2	3	4	16.6
Length (ft)	30.000	24.742	45.206	48.961	16.6
Number of Sides	18	18	18	18	18
Thickness (in)	0.188	0.250	0.313	0.313	0.313
Socket Length (ft)		4.482	5.927		
Top Dia (in)	17.375	24.500	30.029	41.036	55.500
Bot Dia (in)	24.500	31.862	43.416		
Grade			A572-65		
Weight (K)	1.3	1.9	5.6	7.9	16.6



ALL REACTIONS ARE FACTORED



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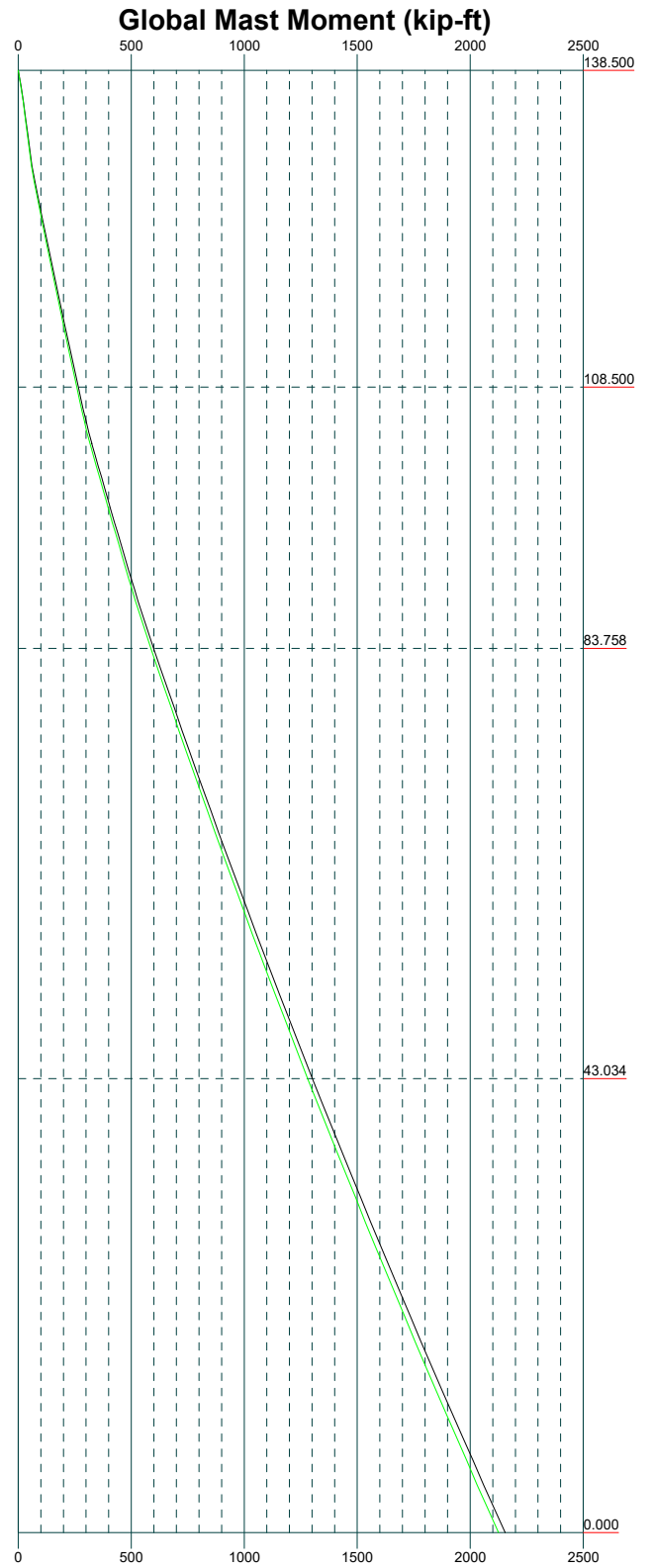
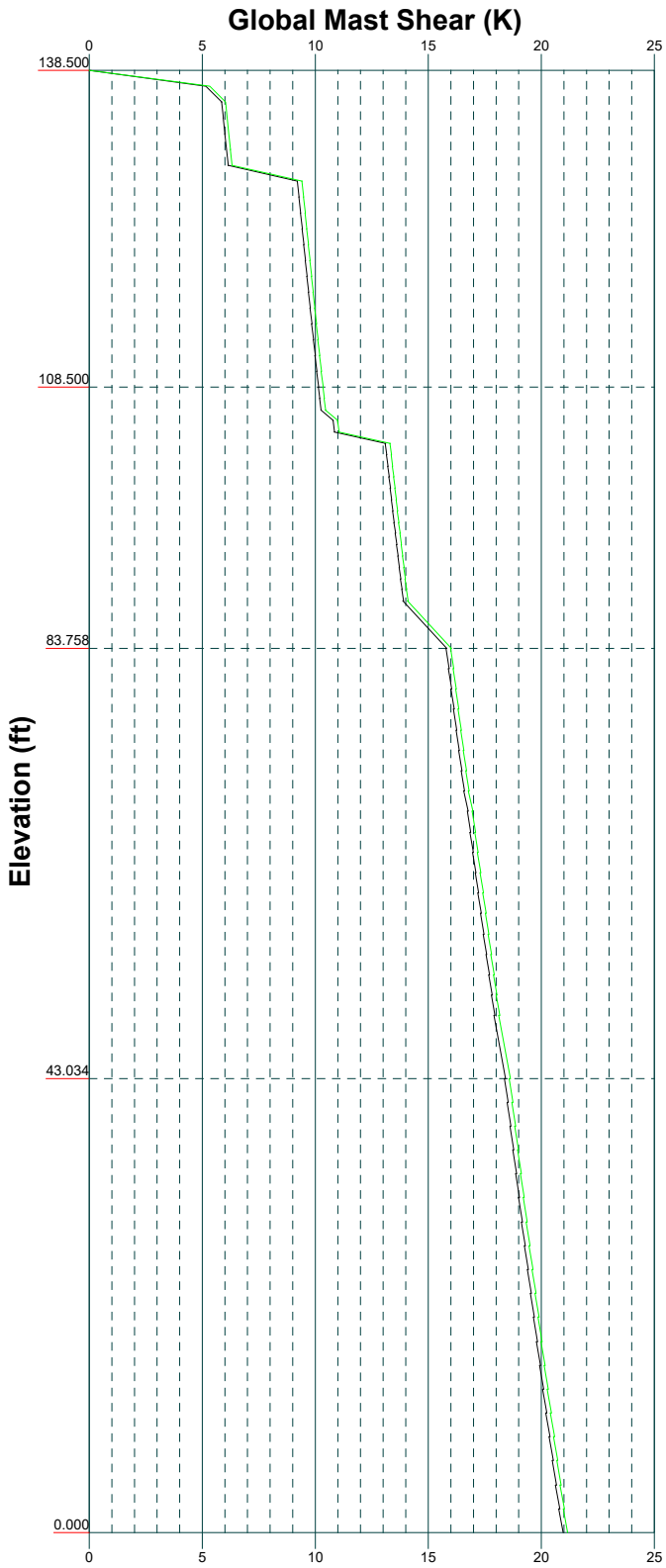
Job: 137090.003.01 - O&G WOODBURY, CT (BU# 87638)		
Project:		
Client: Crown Castle	Drawn by: Sampath	App'd:
Code: TIA-222-H	Date: 05/19/21	Scale: NTS
Path:		Dwg No. E-1

Vx

Vz

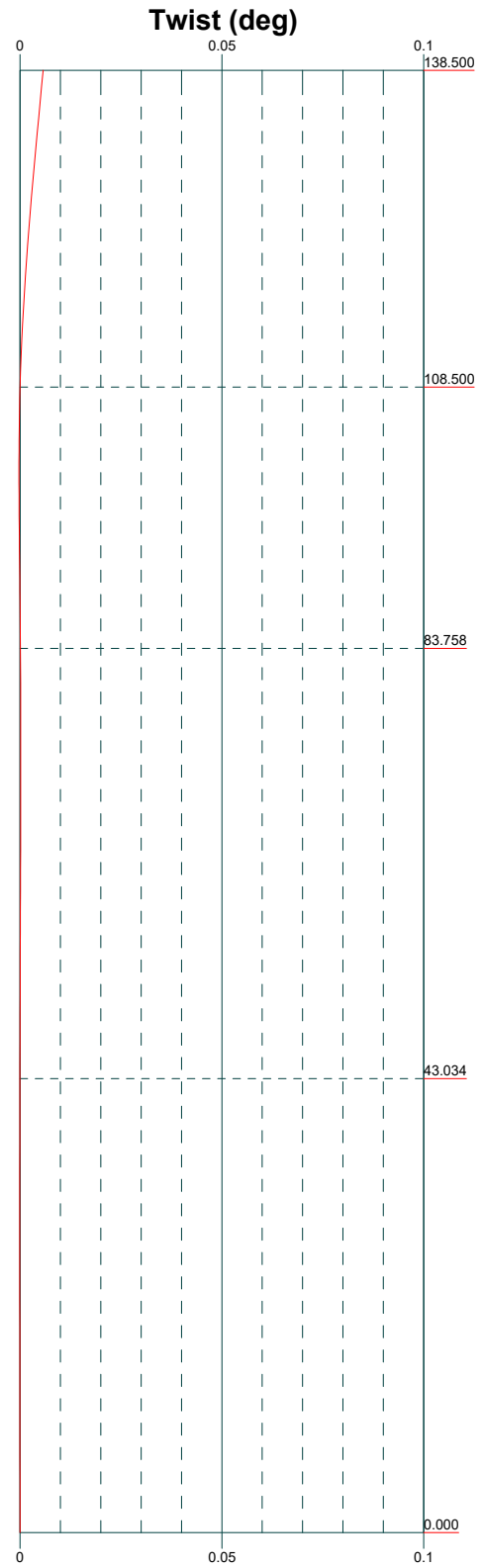
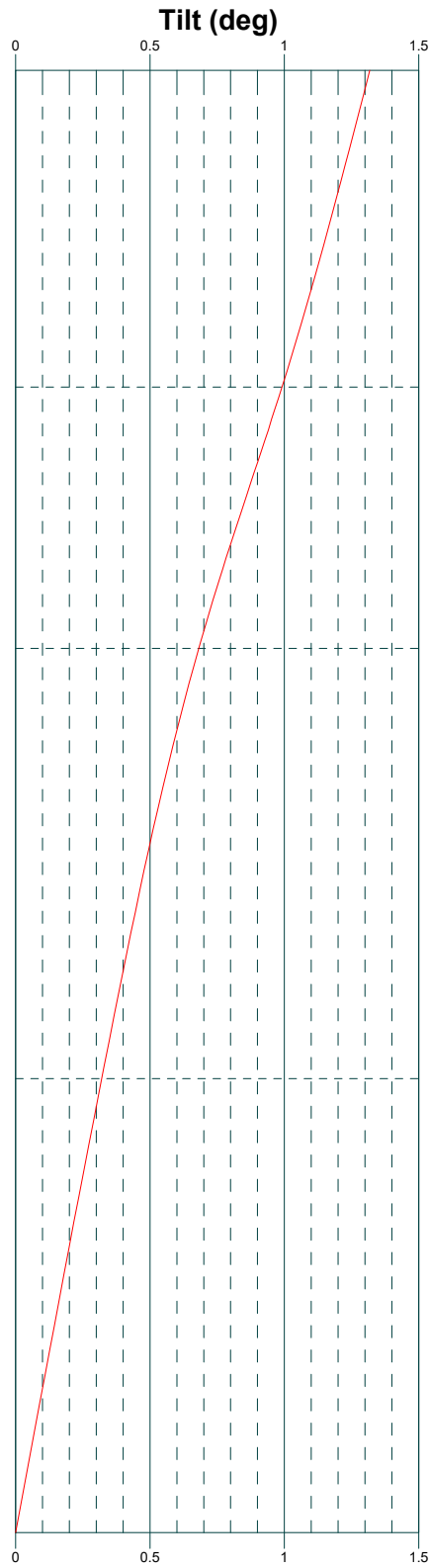
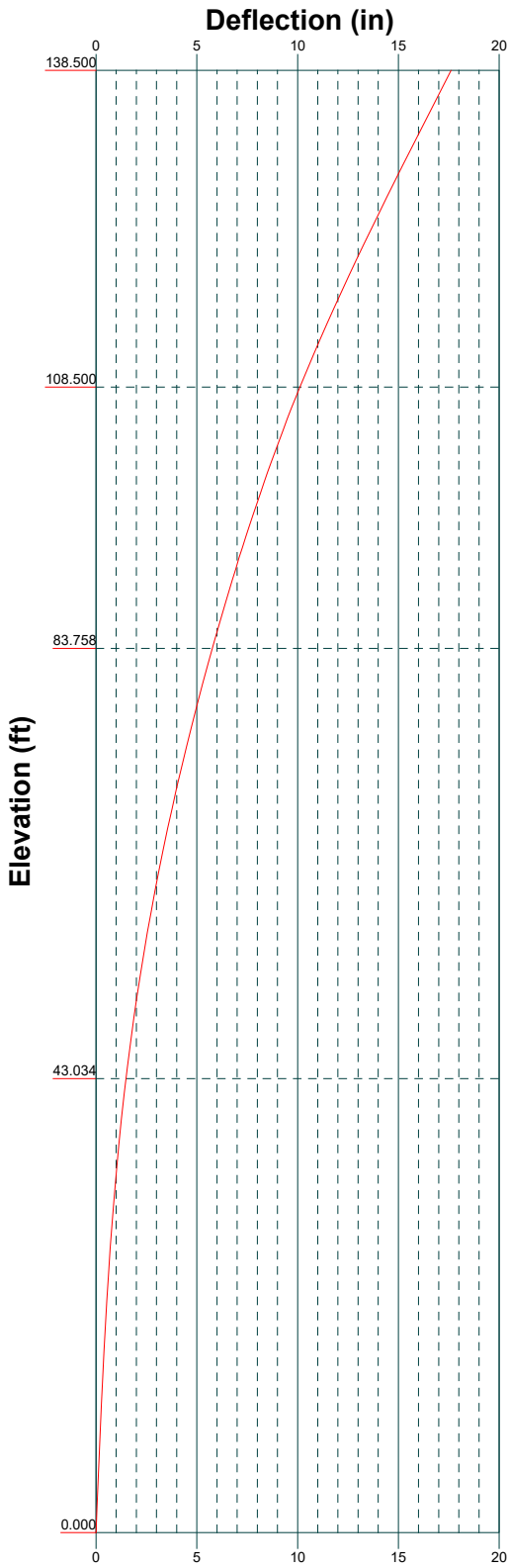
Mx

Mz



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Path:	Dwg No. E-4	



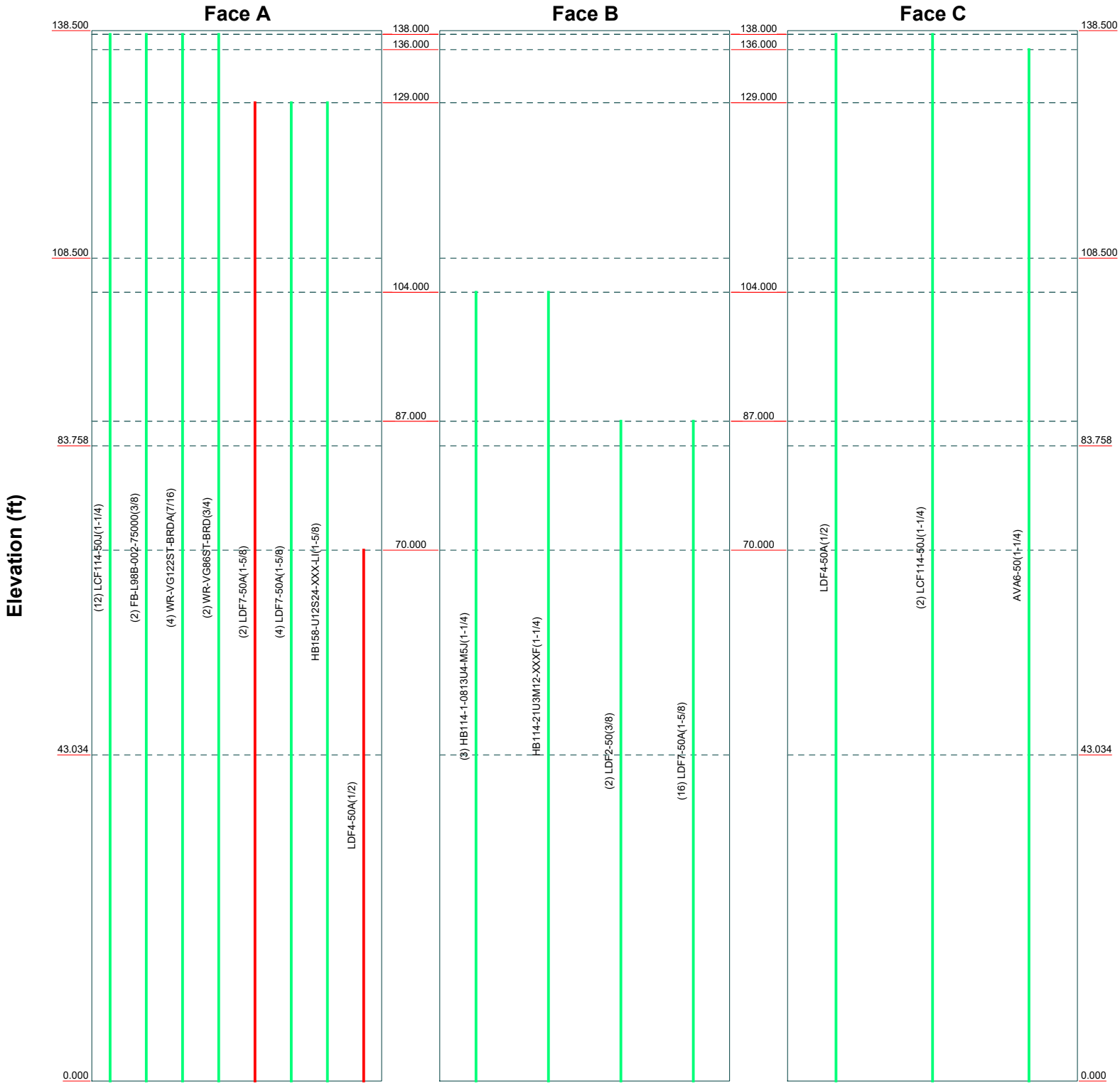
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Project:		
Client: Crown Castle	Drawn by: Sampath	App'd:
Code: TIA-222-H	Date: 05/19/21	Scale: NTS
Path:	Dwg No. E-5	

Feed Line Distribution Chart

0' - 138'6"

— Round
 — Flat
 — App In Face
 — App Out Face
 — Truss Leg




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Project:		
Client: Crown Castle	Drawn by: Sampath	App'd:
Code: TIA-222-H	Date: 05/19/21	Scale: NTS
Path:	Dwg No. E-7	

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	Project	Date 18:29:31 05/19/21
	Client Crown Castle	Designed by Sampath

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 Litchfield County, Connecticut.

Tower base elevation above sea level: 590.000 ft.

Basic wind speed of 120 mph.

Risk Category II.

Exposure Category B.

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

Topographic Category: 1.

Crest Height: 0.000 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.

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

<ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric 	<ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs 	<ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <li style="text-align: center;">Poles √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known
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Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	138.500-108.500	30.000	0.000	18	17.375	24.500	0.188	0.750	A572-65 (65 ksi)
L2	108.500-83.758	24.742	4.482	18	24.500	31.862	0.250	1.000	A572-65 (65 ksi)
L3	83.758-43.034	45.206	5.927	18	30.029	43.416	0.313	1.250	A572-65 (65 ksi)
L4	43.034-0.000	48.961		18	41.036	55.500	0.313	1.250	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I ² /Q in ²	w in	w/t
L1	17.614	10.229	381.754	6.102	8.826	43.251	764.011	5.115	2.728	14.549
	24.849	14.469	1080.524	8.631	12.446	86.817	2162.470	7.236	3.982	21.237
L2	24.839	19.242	1429.617	8.609	12.446	114.866	2861.115	9.623	3.872	15.488
	32.315	25.084	3167.004	11.222	16.186	195.663	6338.174	12.545	5.168	20.671
L3	31.791	29.475	3288.268	10.549	15.254	215.561	6580.863	14.740	4.735	15.152
	44.038	42.753	10035.478	15.302	22.055	455.012	20084.160	21.381	7.091	22.692
L4	43.399	40.393	8463.062	14.457	20.846	405.975	16937.259	20.200	6.672	21.351
	56.308	54.739	21062.822	19.592	28.194	747.068	42153.359	27.375	9.218	29.498

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
138.500-108.500				1	1	1			
108.500-83.758				1	1	1			
83.758-43.034				1	1	1			
43.034-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
* LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	129.000 - 0.000	2	2	0.100 - 0.170	1.980		0.001
* LDF4-50A(1/2)	A	No	Surface Ar	70.000 -	1	1	-0.420	0.630		0.000

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	Client Crown Castle	Designed by Sampath

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight klf
LDF2-50(3/8)	B	No	No	Inside Pole	87.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
LDF7-50A(1-5/8)	B	No	No	Inside Pole	87.000 - 0.000	16	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 _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	138.500-108.500	A	0.000	0.000	8.118	0.000	0.469
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.058
L2	108.500-83.758	A	0.000	0.000	9.798	0.000	0.454
		B	0.000	0.000	0.000	0.000	0.141
		C	0.000	0.000	0.000	0.000	0.050
L3	83.758-43.034	A	0.000	0.000	17.826	0.000	0.752
		B	0.000	0.000	0.000	0.000	0.737
		C	0.000	0.000	0.000	0.000	0.082
L4	43.034-0.000	A	0.000	0.000	19.753	0.000	0.797
		B	0.000	0.000	0.000	0.000	0.779
		C	0.000	0.000	0.000	0.000	0.086

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	138.500-108.500	A	1.454	0.000	0.000	17.599	0.000	0.646
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.058
L2	108.500-83.758	A	1.418	0.000	0.000	21.019	0.000	0.662
		B		0.000	0.000	0.000	0.000	0.141
		C		0.000	0.000	0.000	0.000	0.050
L3	83.758-43.034	A	1.360	0.000	0.000	43.943	0.000	1.190
		B		0.000	0.000	0.000	0.000	0.737
		C		0.000	0.000	0.000	0.000	0.082
L4	43.034-0.000	A	1.217	0.000	0.000	50.343	0.000	1.282
		B		0.000	0.000	0.000	0.000	0.779
		C		0.000	0.000	0.000	0.000	0.086

Feed Line Center of Pressure

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Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	138.500-108.500	-1.441	-1.503	-1.428	-1.489
L2	108.500-83.758	-1.937	-2.019	-1.931	-2.013
L3	83.758-43.034	-2.253	-1.950	-2.770	-1.838
L4	43.034-0.000	-2.431	-1.945	-3.241	-1.813

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L1	11	LDF7-50A(1-5/8)	108.50 - 129.00	1.0000	1.0000
L2	11	LDF7-50A(1-5/8)	83.76 - 108.50	1.0000	1.0000
L3	11	LDF7-50A(1-5/8)	43.03 - 83.76	1.0000	1.0000
L3	24	LDF4-50A(1/2)	43.03 - 70.00	1.0000	1.0000
L4	11	LDF7-50A(1-5/8)	0.00 - 43.03	1.0000	1.0000
L4	24	LDF4-50A(1/2)	0.00 - 43.03	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K	
7770.00 w/ Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice	5.746	4.254	0.055
			0.000			1/2" Ice	6.179	5.014	0.103
			1.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287
7770.00 w/ Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice	5.746	4.254	0.055
			0.000			1/2" Ice	6.179	5.014	0.103
			1.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287
7770.00 w/ Mount Pipe	C	From Leg	4.000	0.000	138.000	No Ice	5.746	4.254	0.055
			0.000			1/2" Ice	6.179	5.014	0.103
			1.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287
QS66512-2 w/ Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice	4.040	4.180	0.137
			0.000			1/2" Ice	4.420	4.570	0.206
			1.000			1" Ice	4.820	4.970	0.287
						2" Ice	5.630	5.790	0.482
QS46512-2 w/ Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice	2.950	3.330	0.095
			0.000			1/2" Ice	3.250	3.630	0.149

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral						Vert	°	ft	ft^{2}	ft^{2}	K
			ft	ft					
			1.000						
						1" Ice	3.550	3.940	0.212
						2" Ice	4.190	4.600	0.366
QS46512-2 w/ Mount Pipe	C	From Leg	4.000	0.000	138.000	No Ice	2.950	3.330	0.095
			0.000			1/2" Ice	3.250	3.630	0.149
			1.000			1" Ice	3.550	3.940	0.212
						2" Ice	4.190	4.600	0.366
(2) 80010965 w/ Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice	12.260	5.790	0.136
			0.000			1/2" Ice	13.030	6.470	0.226
			1.000			1" Ice	13.800	7.170	0.328
						2" Ice	15.410	8.600	0.570
(2) 80010964 w/ Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice	8.610	4.100	0.116
			0.000			1/2" Ice	9.180	4.590	0.186
			1.000			1" Ice	9.770	5.100	0.265
						2" Ice	10.980	6.160	0.453
(2) 80010964 w/ Mount Pipe	C	From Leg	4.000	0.000	138.000	No Ice	8.610	4.100	0.116
			0.000			1/2" Ice	9.180	4.590	0.186
			1.000			1" Ice	9.770	5.100	0.265
						2" Ice	10.980	6.160	0.453
TT19-08BP111-001	A	From Leg	4.000	0.000	138.000	No Ice	0.545	0.442	0.016
			0.000			1/2" Ice	0.641	0.530	0.022
			1.000			1" Ice	0.743	0.626	0.029
						2" Ice	0.971	0.840	0.049
TT19-08BP111-001	B	From Leg	4.000	0.000	138.000	No Ice	0.545	0.442	0.016
			0.000			1/2" Ice	0.641	0.530	0.022
			1.000			1" Ice	0.743	0.626	0.029
						2" Ice	0.971	0.840	0.049
TT19-08BP111-001	C	From Leg	4.000	0.000	138.000	No Ice	0.545	0.442	0.016
			0.000			1/2" Ice	0.641	0.530	0.022
			1.000			1" Ice	0.743	0.626	0.029
						2" Ice	0.971	0.840	0.049
(2) DC6-48-60-18-8F	A	From Leg	4.000	0.000	138.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			1.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
DC6-48-60-18-8F	B	From Leg	4.000	0.000	138.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			1.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
RRUS 32	A	From Leg	4.000	0.000	138.000	No Ice	2.857	1.777	0.055
			0.000			1/2" Ice	3.083	1.968	0.077
			1.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 32	B	From Leg	4.000	0.000	138.000	No Ice	2.857	1.777	0.055
			0.000			1/2" Ice	3.083	1.968	0.077
			1.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 32	C	From Leg	4.000	0.000	138.000	No Ice	2.857	1.777	0.055
			0.000			1/2" Ice	3.083	1.968	0.077
			1.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
(2) TPX-070821	A	From Leg	4.000	0.000	138.000	No Ice	0.469	0.101	0.008
			0.000			1/2" Ice	0.559	0.147	0.011
			1.000			1" Ice	0.656	0.202	0.016
						2" Ice	0.872	0.334	0.030
(2) TPX-070821	B	From Leg	4.000	0.000	138.000	No Ice	0.469	0.101	0.008
			0.000			1/2" Ice	0.559	0.147	0.011
			1.000			1" Ice	0.656	0.202	0.016

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		Sampath

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz Lateral ft	Vert ft						°	ft	ft^{2}	ft^{2}	K
(2) TPX-070821	C	From Leg	4.000	0.000	0.000	138.000	2" Ice	0.872	0.334	0.030
			0.000				No Ice	0.469	0.101	0.008
			1.000				1/2" Ice	0.559	0.147	0.011
							1" Ice	0.656	0.202	0.016
RRUS 4478 B14	A	From Leg	4.000	0.000	0.000	138.000	2" Ice	0.872	0.334	0.030
			0.000				No Ice	1.843	1.059	0.060
			1.000				1/2" Ice	2.012	1.197	0.076
							1" Ice	2.190	1.342	0.094
RRUS 4478 B14	B	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.566	1.656	0.140
			0.000				No Ice	1.843	1.059	0.060
			1.000				1/2" Ice	2.012	1.197	0.076
							1" Ice	2.190	1.342	0.094
RRUS 4478 B14	C	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.566	1.656	0.140
			0.000				No Ice	1.843	1.059	0.060
			1.000				1/2" Ice	2.012	1.197	0.076
							1" Ice	2.190	1.342	0.094
ATSBT-TOP-FF-4G	A	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.566	1.656	0.140
			0.000				No Ice	0.174	0.095	0.002
			1.000				1/2" Ice	0.229	0.140	0.003
							1" Ice	0.292	0.193	0.006
ATSBT-TOP-FF-4G	B	From Leg	4.000	0.000	0.000	138.000	2" Ice	0.440	0.323	0.015
			0.000				No Ice	0.174	0.095	0.002
			1.000				1/2" Ice	0.229	0.140	0.003
							1" Ice	0.292	0.193	0.006
ATSBT-TOP-FF-4G	C	From Leg	4.000	0.000	0.000	138.000	2" Ice	0.440	0.323	0.015
			0.000				No Ice	0.174	0.095	0.002
			1.000				1/2" Ice	0.229	0.140	0.003
							1" Ice	0.292	0.193	0.006
RRUS 4449 B5/B12	A	From Leg	4.000	0.000	0.000	138.000	2" Ice	0.440	0.323	0.015
			0.000				No Ice	1.968	1.408	0.071
			1.000				1/2" Ice	2.144	1.564	0.090
							1" Ice	2.328	1.727	0.111
RRUS 4449 B5/B12	B	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.718	2.075	0.163
			0.000				No Ice	1.968	1.408	0.071
			1.000				1/2" Ice	2.144	1.564	0.090
							1" Ice	2.328	1.727	0.111
RRUS 4449 B5/B12	C	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.718	2.075	0.163
			0.000				No Ice	1.968	1.408	0.071
			1.000				1/2" Ice	2.144	1.564	0.090
							1" Ice	2.328	1.727	0.111
RRUS 8843 B2/B66A	A	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.718	2.075	0.163
			0.000				No Ice	1.639	1.353	0.072
			1.000				1/2" Ice	1.799	1.500	0.090
							1" Ice	1.966	1.655	0.110
RRUS 8843 B2/B66A	B	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.323	1.986	0.159
			0.000				No Ice	1.639	1.353	0.072
			1.000				1/2" Ice	1.799	1.500	0.090
							1" Ice	1.966	1.655	0.110
RRUS 8843 B2/B66A	C	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.323	1.986	0.159
			0.000				No Ice	1.639	1.353	0.072
			1.000				1/2" Ice	1.799	1.500	0.090
							1" Ice	1.966	1.655	0.110
(2) 4' x 2" Pipe Mount	A	From Leg	4.000	0.000	0.000	138.000	2" Ice	2.323	1.986	0.159
			0.000				No Ice	0.785	0.785	0.029
			2.000				1/2" Ice	1.028	1.028	0.035
							1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072	

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						°	ft	ft^{2}	ft^{2}	K
4' x 2" Pipe Mount	B	From Leg	4.000		0.000	138.000	No Ice	0.785	0.785	0.029
			0.000				1/2" Ice	1.028	1.028	0.035
			2.000				1" Ice	1.281	1.281	0.044
							2" Ice	1.814	1.814	0.072
Platform Mount [LP 303-1_HR-1]	C	None			0.000	138.000	No Ice	17.090	17.090	1.495
							1/2" Ice	21.470	21.470	1.881
							1" Ice	25.720	25.720	2.346
							2" Ice	33.960	33.960	3.518
* DS9A09F36D-N	C	From Leg	4.000		0.000	138.000	No Ice	5.760	5.760	0.047
			0.000				1/2" Ice	7.713	7.713	0.088
			10.000				1" Ice	9.683	9.683	0.142
							2" Ice	13.673	13.673	0.287
* TME-RRUS-11	A	From Leg	2.000		0.000	137.000	No Ice	2.959	1.665	0.057
			0.000				1/2" Ice	3.226	1.976	0.085
			0.000				1" Ice	3.504	2.304	0.117
							2" Ice	4.092	3.020	0.194
TME-RRUS-11	B	From Leg	2.000		0.000	137.000	No Ice	2.959	1.665	0.057
			0.000				1/2" Ice	3.226	1.976	0.085
			0.000				1" Ice	3.504	2.304	0.117
							2" Ice	4.092	3.020	0.194
TME-RRUS-11	C	From Leg	2.000		0.000	137.000	No Ice	2.959	1.665	0.057
			0.000				1/2" Ice	3.226	1.976	0.085
			0.000				1" Ice	3.504	2.304	0.117
							2" Ice	4.092	3.020	0.194
Side Arm Mount [SO 102-3]	C	None			0.000	137.000	No Ice	3.600	3.600	0.075
							1/2" Ice	4.180	4.180	0.105
							1" Ice	4.750	4.750	0.135
							2" Ice	5.900	5.900	0.195
* ANT150F6	B	From Leg	1.000		0.000	136.000	No Ice	4.800	4.800	0.030
			0.000				1/2" Ice	6.828	6.828	0.066
			12.000				1" Ice	8.873	8.873	0.114
							2" Ice	13.013	13.013	0.249
Pipe Mount [PM 601-1]	B	From Leg	0.500		0.000	136.000	No Ice	1.320	1.320	0.065
			0.000				1/2" Ice	1.580	1.580	0.077
			0.000				1" Ice	1.840	1.840	0.093
							2" Ice	2.400	2.400	0.134
* LNX-8513DS-A1M w/ Mount Pipe	A	From Leg	4.000		0.000	129.000	No Ice	4.090	3.300	0.065
			0.000				1/2" Ice	4.490	3.680	0.128
			0.000				1" Ice	4.890	4.060	0.202
							2" Ice	5.710	4.870	0.384
LNX-8513DS-A1M w/ Mount Pipe	B	From Leg	4.000		0.000	129.000	No Ice	4.090	3.300	0.065
			0.000				1/2" Ice	4.490	3.680	0.128
			0.000				1" Ice	4.890	4.060	0.202
							2" Ice	5.710	4.870	0.384
LNX-8513DS-A1M w/ Mount Pipe	C	From Leg	4.000		0.000	129.000	No Ice	4.090	3.300	0.065
			0.000				1/2" Ice	4.490	3.680	0.128
			0.000				1" Ice	4.890	4.060	0.202
							2" Ice	5.710	4.870	0.384
(2) QS6656-5D w/ Mount Pipe	A	From Leg	4.000		0.000	129.000	No Ice	4.040	4.180	0.114
			0.000				1/2" Ice	4.420	4.570	0.183
			0.000				1" Ice	4.820	4.970	0.264
							2" Ice	5.630	5.790	0.459
(2) QS6656-5D w/ Mount	B	From Leg	4.000		0.000	129.000	No Ice	4.040	4.180	0.114

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral						Vert	°	ft	ft^{2}	ft^{2}	K
Pipe			0.000			1/2" Ice	4.420	4.570	0.183
			0.000			1" Ice	4.820	4.970	0.264
						2" Ice	5.630	5.790	0.459
(2) QS6656-5D w/ Mount Pipe	C	From Leg	4.000	0.000	129.000	No Ice	4.040	4.180	0.114
			0.000			1/2" Ice	4.420	4.570	0.183
			0.000			1" Ice	4.820	4.970	0.264
						2" Ice	5.630	5.790	0.459
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	129.000	No Ice	4.915	2.687	0.101
			0.000			1/2" Ice	5.264	3.151	0.141
			0.000			1" Ice	5.623	3.631	0.186
						2" Ice	6.371	4.639	0.294
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	129.000	No Ice	4.915	2.687	0.101
			0.000			1/2" Ice	5.264	3.151	0.141
			0.000			1" Ice	5.623	3.631	0.186
						2" Ice	6.371	4.639	0.294
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	129.000	No Ice	4.915	2.687	0.101
			0.000			1/2" Ice	5.264	3.151	0.141
			0.000			1" Ice	5.623	3.631	0.186
						2" Ice	6.371	4.639	0.294
(2) RFV01U-D2A	A	From Leg	4.000	0.000	129.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			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	129.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
DB-C1-12C-24AB-0Z	B	From Leg	4.000	0.000	129.000	No Ice	4.056	3.098	0.032
			0.000			1/2" Ice	4.316	3.335	0.068
			0.000			1" Ice	4.582	3.580	0.109
						2" Ice	5.138	4.092	0.203
RFV01U-D1A	A	From Leg	4.000	0.000	129.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			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	129.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			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	129.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
3' x 2" Pipe Mount	C	From Leg	1.000	0.000	129.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			0.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
Platform Mount [LP 405-1]	C	None		0.000	129.000	No Ice	20.880	20.880	1.800
						1/2" Ice	28.890	28.890	2.277
						1" Ice	37.040	37.040	2.868
						2" Ice	53.730	53.730	4.394
*									
PCS 1900MHZ	A	From Leg	4.000	0.000	106.000	No Ice	2.322	2.238	0.060
4X45W-65MHZ			0.000			1/2" Ice	2.527	2.441	0.083
			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
PCS 1900MHZ	B	From Leg	4.000	0.000	106.000	No Ice	2.322	2.238	0.060

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			Horz ft	Lateral ft					
4X45W-65MHZ			0.000			1/2" Ice	2.527	2.441	0.083
			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
PCS 1900MHZ 4X45W-65MHZ	C	From Leg	4.000	0.000	106.000	No Ice	2.322	2.238	0.060
			0.000			1/2" Ice	2.527	2.441	0.083
			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
RRH2X50-800	A	From Leg	4.000	0.000	106.000	No Ice	1.701	1.282	0.053
			0.000			1/2" Ice	1.864	1.428	0.070
			-2.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
RRH2X50-800	B	From Leg	4.000	0.000	106.000	No Ice	1.701	1.282	0.053
			0.000			1/2" Ice	1.864	1.428	0.070
			-2.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
RRH2X50-800	C	From Leg	4.000	0.000	106.000	No Ice	1.701	1.282	0.053
			0.000			1/2" Ice	1.864	1.428	0.070
			-2.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
Pipe Mount [PM 601-3]	C	None		0.000	106.000	No Ice	3.170	3.170	0.195
						1/2" Ice	3.790	3.790	0.232
						1" Ice	4.420	4.420	0.279
						2" Ice	5.760	5.760	0.401
*									
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.000	0.000	104.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			1.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.000	0.000	104.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			1.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.000	0.000	104.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			1.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVSP18-C-A20 w/ Mount Pipe	A	From Leg	4.000	0.000	104.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
			0.000			1" Ice	5.500	4.890	0.235
						2" Ice	6.440	5.820	0.419
APXVSP18-C-A20 w/ Mount Pipe	B	From Leg	4.000	0.000	104.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
			0.000			1" Ice	5.500	4.890	0.235
						2" Ice	6.440	5.820	0.419
APXVSP18-C-A20 w/ Mount Pipe	C	From Leg	4.000	0.000	104.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
			0.000			1" Ice	5.500	4.890	0.235
						2" Ice	6.440	5.820	0.419
TD-RRH8X20-25	A	From Leg	4.000	0.000	104.000	No Ice	3.704	1.294	0.066
			0.000			1/2" Ice	3.946	1.465	0.090
			0.000			1" Ice	4.196	1.642	0.117
						2" Ice	4.717	2.019	0.183
TD-RRH8X20-25	B	From Leg	4.000	0.000	104.000	No Ice	3.704	1.294	0.066
			0.000			1/2" Ice	3.946	1.465	0.090
			0.000			1" Ice	4.196	1.642	0.117
						2" Ice	4.717	2.019	0.183
TD-RRH8X20-25	C	From Leg	4.000	0.000	104.000	No Ice	3.704	1.294	0.066

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Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Vert	Lateral					
			ft	ft	ft					
			0.000				1/2" Ice	3.946	1.465	0.090
			0.000				1" Ice	4.196	1.642	0.117
							2" Ice	4.717	2.019	0.183
6' x 2" Mount Pipe	A	From Face	4.000	0.000	104.000		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 Face	4.000	0.000	104.000		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 Face	4.000	0.000	104.000		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
Platform Mount [LP 1201-1_HR-1]	C	None		0.000	104.000		No Ice	26.390	26.390	2.356
							1/2" Ice	31.400	31.400	3.061
							1" Ice	36.200	36.200	3.864
							2" Ice	45.400	45.400	5.764
*										
(2) APXV18-209014-C w/ Mount Pipe	A	From Leg	4.000	0.000	87.000		No Ice	2.550	2.140	0.051
			0.000				1/2" Ice	2.950	2.540	0.080
			0.000				1" Ice	3.370	2.950	0.117
							2" Ice	4.240	3.810	0.217
(2) APXV18-209014-C w/ Mount Pipe	B	From Leg	4.000	0.000	87.000		No Ice	2.550	2.140	0.051
			0.000				1/2" Ice	2.950	2.540	0.080
			0.000				1" Ice	3.370	2.950	0.117
							2" Ice	4.240	3.810	0.217
(2) APXV18-209014-C w/ Mount Pipe	C	From Leg	4.000	0.000	87.000		No Ice	2.550	2.140	0.051
			0.000				1/2" Ice	2.950	2.540	0.080
			0.000				1" Ice	3.370	2.950	0.117
							2" Ice	4.240	3.810	0.217
LNx-6515DS-VTM w/ Mount Pipe	A	From Leg	4.000	0.000	87.000		No Ice	5.310	4.270	0.083
			0.000				1/2" Ice	5.800	4.750	0.165
			0.000				1" Ice	6.300	5.240	0.261
							2" Ice	7.330	6.240	0.495
LNx-6515DS-VTM w/ Mount Pipe	B	From Leg	4.000	0.000	87.000		No Ice	5.310	4.270	0.083
			0.000				1/2" Ice	5.800	4.750	0.165
			0.000				1" Ice	6.300	5.240	0.261
							2" Ice	7.330	6.240	0.495
LNx-6515DS-VTM w/ Mount Pipe	C	From Leg	4.000	0.000	87.000		No Ice	5.310	4.270	0.083
			0.000				1/2" Ice	5.800	4.750	0.165
			0.000				1" Ice	6.300	5.240	0.261
							2" Ice	7.330	6.240	0.495
ATBT-BOTTOM-24V	A	From Leg	4.000	0.000	87.000		No Ice	0.104	0.065	0.003
			0.000				1/2" Ice	0.148	0.102	0.004
			0.000				1" Ice	0.199	0.147	0.006
							2" Ice	0.323	0.259	0.013
ATBT-BOTTOM-24V	B	From Leg	4.000	0.000	87.000		No Ice	0.104	0.065	0.003
			0.000				1/2" Ice	0.148	0.102	0.004
			0.000				1" Ice	0.199	0.147	0.006
							2" Ice	0.323	0.259	0.013
ATBT-BOTTOM-24V	C	From Leg	4.000	0.000	87.000		No Ice	0.104	0.065	0.003
			0.000				1/2" Ice	0.148	0.102	0.004
			0.000				1" Ice	0.199	0.147	0.006
							2" Ice	0.323	0.259	0.013
(2) ETM19V2S12UB	A	From Leg	4.000	0.000	87.000		No Ice	0.667	0.197	0.011

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz Lateral	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
			0.000			1/2" Ice	0.770	0.266	0.016
			0.000			1" Ice	0.881	0.342	0.022
						2" Ice	1.126	0.516	0.039
(2) ETM19V2S12UB	B	From Leg	4.000	0.000	87.000	No Ice	0.667	0.197	0.011
			0.000			1/2" Ice	0.770	0.266	0.016
			0.000			1" Ice	0.881	0.342	0.022
						2" Ice	1.126	0.516	0.039
(2) ETM19V2S12UB	C	From Leg	4.000	0.000	87.000	No Ice	0.667	0.197	0.011
			0.000			1/2" Ice	0.770	0.266	0.016
			0.000			1" Ice	0.881	0.342	0.022
						2" Ice	1.126	0.516	0.039
Platform Mount [LP 305-1]	C	None		0.000	87.000	No Ice	18.040	18.040	1.121
						1/2" Ice	22.040	22.040	1.470
						1" Ice	26.060	26.060	1.882
						2" Ice	34.160	34.160	2.896
*									
KS24019-L112A	B	From Leg	3.000	0.000	70.000	No Ice	0.141	0.141	0.005
			0.000			1/2" Ice	0.198	0.198	0.007
			1.000			1" Ice	0.262	0.262	0.009
						2" Ice	0.415	0.415	0.018
Side Arm Mount [SO 701-1]	B	From Leg	1.500	0.000	70.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
*									

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

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Comb. No.	Description
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	138.5 - 108.5	Pole	Max Tension	33	0.000	-0.000	0.001
			Max. Compression	26	-23.585	-0.046	2.871
			Max. Mx	20	-10.619	258.858	1.359
			Max. My	2	-10.591	0.057	265.956
			Max. Vy	20	-10.149	258.858	1.359
			Max. Vx	2	-10.350	0.057	265.956
			Max. Torque	19			-0.973
L2	108.5 - 83.758	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.038	0.204	3.160
			Max. Mx	20	-17.433	518.605	1.447
			Max. My	2	-17.410	0.124	529.794
			Max. Vy	20	-13.904	518.605	1.447
			Max. Vx	2	-14.108	0.124	529.794
			Max. Torque	9			0.540
L3	83.758 - 43.034	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.074	0.566	3.496
			Max. Mx	8	-27.720	-1173.019	1.531
			Max. My	2	-27.707	-0.177	1192.367
			Max. Vy	20	-17.949	1172.955	1.240
			Max. Vx	2	-18.161	-0.177	1192.367
			Max. Torque	9			0.539
L4	43.034 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-69.504	1.733	4.169

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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
			Max. Mx	20	-40.982	2125.243	0.867
			Max. My	2	-40.982	-0.488	2154.661
			Max. Vy	20	-20.964	2125.243	0.867
			Max. Vx	2	-21.164	-0.488	2154.661
			Max. Torque	23			-0.448

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	69.504	-0.004	5.892
	Max. H _x	21	30.746	20.940	-0.010
	Max. H _z	2	40.994	-0.010	21.140
	Max. M _x	2	2154.661	-0.010	21.140
	Max. M _z	8	2124.930	-20.940	0.010
	Max. Torsion	11	0.447	-18.130	-10.561
	Min. Vert	23	30.746	18.130	10.561
	Min. H _x	9	30.746	-20.940	0.010
	Min. H _z	14	40.994	0.010	-21.140
	Min. M _x	14	-2151.644	0.010	-21.140
	Min. M _z	20	-2125.243	20.940	-0.010
	Min. Torsion	23	-0.448	18.130	10.561

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	34.162	0.000	0.000	-1.190	0.129	-0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	40.994	0.010	-21.140	-2154.661	-0.488	0.123
0.9 Dead+1.0 Wind 0 deg - No Ice	30.746	0.010	-21.140	-2127.063	-0.524	0.122
1.2 Dead+1.0 Wind 30 deg - No Ice	40.994	10.479	-18.313	-1866.557	-1062.916	-0.112
0.9 Dead+1.0 Wind 30 deg - No Ice	30.746	10.479	-18.313	-1842.582	-1049.557	-0.118
1.2 Dead+1.0 Wind 60 deg - No Ice	40.994	18.140	-10.579	-1078.689	-1840.528	-0.316
0.9 Dead+1.0 Wind 60 deg - No Ice	30.746	18.140	-10.579	-1064.670	-1817.362	-0.326
1.2 Dead+1.0 Wind 90 deg - No Ice	40.994	20.940	-0.010	-2.157	-2124.930	-0.436
0.9 Dead+1.0 Wind 90 deg - No Ice	30.746	20.940	-0.010	-1.745	-2098.168	-0.447
1.2 Dead+1.0 Wind 120 deg - No Ice	40.994	18.130	10.561	1074.549	-1839.886	-0.438
0.9 Dead+1.0 Wind 120 deg - No Ice	30.746	18.130	10.561	1061.354	-1816.723	-0.447
1.2 Dead+1.0 Wind 150 deg - No Ice	40.994	10.461	18.303	1862.893	-1061.802	-0.324
0.9 Dead+1.0 Wind 150 deg - No Ice	30.746	10.461	18.303	1839.738	-1048.448	-0.329

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
No Ice						
1.2 Dead+1.0 Wind 180 deg - No Ice	40.994	-0.010	21.140	2151.644	0.802	-0.123
0.9 Dead+1.0 Wind 180 deg - No Ice	30.746	-0.010	21.140	2124.861	0.758	-0.122
1.2 Dead+1.0 Wind 210 deg - No Ice	40.994	-10.479	18.313	1863.537	1063.233	0.111
0.9 Dead+1.0 Wind 210 deg - No Ice	30.746	-10.479	18.313	1840.378	1049.793	0.117
1.2 Dead+1.0 Wind 240 deg - No Ice	40.994	-18.140	10.579	1075.665	1840.844	0.316
0.9 Dead+1.0 Wind 240 deg - No Ice	30.746	-18.140	10.579	1062.464	1817.598	0.326
1.2 Dead+1.0 Wind 270 deg - No Ice	40.994	-20.940	0.010	-0.867	2125.243	0.436
0.9 Dead+1.0 Wind 270 deg - No Ice	30.746	-20.940	0.010	-0.462	2098.402	0.447
1.2 Dead+1.0 Wind 300 deg - No Ice	40.994	-18.130	-10.561	-1077.571	1840.197	0.439
0.9 Dead+1.0 Wind 300 deg - No Ice	30.746	-18.130	-10.561	-1063.559	1816.955	0.448
1.2 Dead+1.0 Wind 330 deg - No Ice	40.994	-10.461	-18.303	-1865.912	1062.113	0.324
0.9 Dead+1.0 Wind 330 deg - No Ice	30.746	-10.461	-18.303	-1841.941	1048.681	0.329
1.2 Dead+1.0 Ice+1.0 Temp	69.504	-0.000	-0.000	-4.169	1.733	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	69.504	0.004	-5.892	-621.955	1.463	0.008
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	69.504	2.931	-5.105	-539.383	-304.536	-0.016
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	69.504	5.072	-2.950	-313.425	-528.458	-0.035
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	69.504	5.854	-0.004	-4.643	-610.286	-0.045
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	69.504	5.067	2.942	304.224	-528.142	-0.043
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	69.504	2.923	5.101	530.415	-303.988	-0.030
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	69.504	-0.004	5.892	613.305	2.096	-0.008
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	69.504	-2.931	5.105	530.732	308.096	0.016
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	69.504	-5.072	2.950	304.773	532.019	0.035
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	69.504	-5.854	0.004	-4.010	613.845	0.045
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	69.504	-5.067	-2.942	-312.877	531.700	0.043
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	69.504	-2.923	-5.101	-539.067	307.546	0.030
Dead+Wind 0 deg - Service	34.162	0.002	-4.983	-505.241	-0.021	0.036
Dead+Wind 30 deg - Service	34.162	2.470	-4.317	-437.795	-248.710	-0.028
Dead+Wind 60 deg - Service	34.162	4.276	-2.494	-253.376	-430.723	-0.085
Dead+Wind 90 deg - Service	34.162	4.936	-0.002	-1.400	-497.289	-0.119
Dead+Wind 120 deg - Service	34.162	4.274	2.489	250.617	-430.571	-0.121
Dead+Wind 150 deg - Service	34.162	2.466	4.314	435.147	-248.448	-0.091
Dead+Wind 180 deg - Service	34.162	-0.002	4.983	502.744	0.282	-0.036
Dead+Wind 210 deg - Service	34.162	-2.470	4.317	435.298	248.971	0.028
Dead+Wind 240 deg - Service	34.162	-4.276	2.494	250.879	430.983	0.085
Dead+Wind 270 deg - Service	34.162	-4.936	0.002	-1.097	497.549	0.119
Dead+Wind 300 deg - Service	34.162	-4.274	-2.489	-253.114	430.832	0.121

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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 330 deg - Service	34.162	-2.466	-4.314	-437.644	248.709	0.091

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	-34.162	0.000	0.000	34.162	0.000	0.000%
2	0.010	-40.994	-21.140	-0.010	40.994	21.140	0.000%
3	0.010	-30.746	-21.140	-0.010	30.746	21.140	0.000%
4	10.479	-40.994	-18.313	-10.479	40.994	18.313	0.000%
5	10.479	-30.746	-18.313	-10.479	30.746	18.313	0.000%
6	18.140	-40.994	-10.579	-18.140	40.994	10.579	0.000%
7	18.140	-30.746	-10.579	-18.140	30.746	10.579	0.000%
8	20.940	-40.994	-0.010	-20.940	40.994	0.010	0.000%
9	20.940	-30.746	-0.010	-20.940	30.746	0.010	0.000%
10	18.130	-40.994	10.561	-18.130	40.994	-10.561	0.000%
11	18.130	-30.746	10.561	-18.130	30.746	-10.561	0.000%
12	10.461	-40.994	18.303	-10.461	40.994	-18.303	0.000%
13	10.461	-30.746	18.303	-10.461	30.746	-18.303	0.000%
14	-0.010	-40.994	21.140	0.010	40.994	-21.140	0.000%
15	-0.010	-30.746	21.140	0.010	30.746	-21.140	0.000%
16	-10.479	-40.994	18.313	10.479	40.994	-18.313	0.000%
17	-10.479	-30.746	18.313	10.479	30.746	-18.313	0.000%
18	-18.140	-40.994	10.579	18.140	40.994	-10.579	0.000%
19	-18.140	-30.746	10.579	18.140	30.746	-10.579	0.000%
20	-20.940	-40.994	0.010	20.940	40.994	-0.010	0.000%
21	-20.940	-30.746	0.010	20.940	30.746	-0.010	0.000%
22	-18.130	-40.994	-10.561	18.130	40.994	10.561	0.000%
23	-18.130	-30.746	-10.561	18.130	30.746	10.561	0.000%
24	-10.461	-40.994	-18.303	10.461	40.994	18.303	0.000%
25	-10.461	-30.746	-18.303	10.461	30.746	18.303	0.000%
26	0.000	-69.504	0.000	0.000	69.504	0.000	0.000%
27	0.004	-69.504	-5.892	-0.004	69.504	5.892	0.000%
28	2.931	-69.504	-5.105	-2.931	69.504	5.105	0.000%
29	5.072	-69.504	-2.950	-5.072	69.504	2.950	0.000%
30	5.854	-69.504	-0.004	-5.854	69.504	0.004	0.000%
31	5.067	-69.504	2.942	-5.067	69.504	-2.942	0.000%
32	2.923	-69.504	5.101	-2.923	69.504	-5.101	0.000%
33	-0.004	-69.504	5.892	0.004	69.504	-5.892	0.000%
34	-2.931	-69.504	5.105	2.931	69.504	-5.105	0.000%
35	-5.072	-69.504	2.950	5.072	69.504	-2.950	0.000%
36	-5.854	-69.504	0.004	5.854	69.504	-0.004	0.000%
37	-5.067	-69.504	-2.942	5.067	69.504	2.942	0.000%
38	-2.923	-69.504	-5.101	2.923	69.504	5.101	0.000%
39	0.002	-34.162	-4.983	-0.002	34.162	4.983	0.000%
40	2.470	-34.162	-4.317	-2.470	34.162	4.317	0.000%
41	4.276	-34.162	-2.494	-4.276	34.162	2.494	0.000%
42	4.936	-34.162	-0.002	-4.936	34.162	0.002	0.000%
43	4.274	-34.162	2.489	-4.274	34.162	-2.489	0.000%
44	2.466	-34.162	4.314	-2.466	34.162	-4.314	0.000%
45	-0.002	-34.162	4.983	0.002	34.162	-4.983	0.000%
46	-2.470	-34.162	4.317	2.470	34.162	-4.317	0.000%
47	-4.276	-34.162	2.494	4.276	34.162	-2.494	0.000%
48	-4.936	-34.162	0.002	4.936	34.162	-0.002	0.000%
49	-4.274	-34.162	-2.489	4.274	34.162	2.489	0.000%
50	-2.466	-34.162	-4.314	2.466	34.162	4.314	0.000%

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Non-Linear Convergence Results

<i>Load Combination</i>	<i>Converged?</i>	<i>Number of Cycles</i>	<i>Displacement Tolerance</i>	<i>Force Tolerance</i>
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00076464
3	Yes	4	0.00000001	0.00030613
4	Yes	6	0.00000001	0.00015076
5	Yes	6	0.00000001	0.00005181
6	Yes	6	0.00000001	0.00015310
7	Yes	6	0.00000001	0.00005282
8	Yes	5	0.00000001	0.00008392
9	Yes	4	0.00000001	0.00086835
10	Yes	6	0.00000001	0.00014814
11	Yes	6	0.00000001	0.00005104
12	Yes	6	0.00000001	0.00015242
13	Yes	6	0.00000001	0.00005260
14	Yes	4	0.00000001	0.00075975
15	Yes	4	0.00000001	0.00030330
16	Yes	6	0.00000001	0.00015231
17	Yes	6	0.00000001	0.00005255
18	Yes	6	0.00000001	0.00014833
19	Yes	6	0.00000001	0.00005110
20	Yes	5	0.00000001	0.00008241
21	Yes	4	0.00000001	0.00085307
22	Yes	6	0.00000001	0.00015318
23	Yes	6	0.00000001	0.00005285
24	Yes	6	0.00000001	0.00015053
25	Yes	6	0.00000001	0.00005173
26	Yes	4	0.00000001	0.00009214
27	Yes	5	0.00000001	0.00080519
28	Yes	6	0.00000001	0.00015114
29	Yes	6	0.00000001	0.00015147
30	Yes	5	0.00000001	0.00078372
31	Yes	6	0.00000001	0.00014557
32	Yes	6	0.00000001	0.00014646
33	Yes	5	0.00000001	0.00078044
34	Yes	6	0.00000001	0.00014737
35	Yes	6	0.00000001	0.00014604
36	Yes	5	0.00000001	0.00078611
37	Yes	6	0.00000001	0.00015174
38	Yes	6	0.00000001	0.00015186
39	Yes	4	0.00000001	0.00009891
40	Yes	4	0.00000001	0.00057960
41	Yes	4	0.00000001	0.00061450
42	Yes	4	0.00000001	0.00012278
43	Yes	4	0.00000001	0.00054806
44	Yes	4	0.00000001	0.00059617
45	Yes	4	0.00000001	0.00009751
46	Yes	4	0.00000001	0.00059118
47	Yes	4	0.00000001	0.00055106
48	Yes	4	0.00000001	0.00012261
49	Yes	4	0.00000001	0.00061789
50	Yes	4	0.00000001	0.00057487

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Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	138.5 - 108.5	17.618	39	1.316	0.003
L2	108.5 - 83.758	10.117	39	0.994	0.001
L3	88.24 - 43.034	6.447	39	0.735	0.000
L4	48.961 - 0	1.891	39	0.365	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
138.000	7770.00 w/ Mount Pipe	39	17.484	1.311	0.003	19359
137.000	TME-RRUS-11	39	17.215	1.301	0.003	19359
136.000	ANT150F6	39	16.947	1.291	0.003	19359
129.000	LNx-8513DS-A1M w/ Mount Pipe	39	15.084	1.220	0.002	10188
106.000	PCS 1900MHZ 4X45W-65MHZ	39	9.597	0.962	0.001	3452
104.000	APXVTM14-ALU-I20 w/ Mount Pipe	39	9.196	0.937	0.001	3613
87.000	(2) APXV18-209014-C w/ Mount Pipe	39	6.255	0.721	0.000	6104
70.000	KS24019-L112A	39	3.936	0.543	0.000	5845

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	138.5 - 108.5	75.000	2	5.576	0.013
L2	108.5 - 83.758	43.159	2	4.235	0.004
L3	88.24 - 43.034	27.513	2	3.139	0.002
L4	48.961 - 0	8.068	2	1.558	0.001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
138.000	7770.00 w/ Mount Pipe	2	74.431	5.556	0.013	4676
137.000	TME-RRUS-11	2	73.292	5.515	0.012	4676
136.000	ANT150F6	2	72.153	5.473	0.012	4676
129.000	LNx-8513DS-A1M w/ Mount Pipe	2	64.251	5.182	0.009	2460
106.000	PCS 1900MHZ 4X45W-65MHZ	2	40.943	4.103	0.003	828
104.000	APXVTM14-ALU-I20 w/ Mount Pipe	2	39.237	3.995	0.003	866
87.000	(2) APXV18-209014-C w/ Mount Pipe	2	26.696	3.076	0.002	1437

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Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
70.000	KS24019-L112A	2	16.796	2.317	0.001	1373

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio
	ft		ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
L1	138.5 - 108.5 (1)	TP24.5x17.375x0.188	30.000	0.000	0.0	14.469	-10.591	846.435	0.013
L2	108.5 - 83.758 (2)	TP31.862x24.5x0.25	24.742	0.000	0.0	24.026	-17.410	1405.520	0.012
L3	83.758 - 43.034 (3)	TP43.416x30.029x0.313	45.206	0.000	0.0	41.013	-27.707	2399.230	0.012
L4	43.034 - 0 (4)	TP55.5x41.036x0.313	48.961	0.000	0.0	54.739	-40.982	3202.240	0.013

Pole Bending Design Data

Section No.	Elevation	Size	M _{ux}	φM _{nx}	Ratio	M _{uy}	φM _{ny}	Ratio
	ft		kip-ft	kip-ft	$\frac{M_{ux}}{\phi M_{nx}}$	kip-ft	kip-ft	$\frac{M_{uy}}{\phi M_{ny}}$
L1	138.5 - 108.5 (1)	TP24.5x17.375x0.188	265.956	490.864	0.542	0.000	490.864	0.000
L2	108.5 - 83.758 (2)	TP31.862x24.5x0.25	529.794	1038.383	0.510	0.000	1038.383	0.000
L3	83.758 - 43.034 (3)	TP43.416x30.029x0.313	1192.367	2349.450	0.508	0.000	2349.450	0.000
L4	43.034 - 0 (4)	TP55.5x41.036x0.313	2154.658	3679.575	0.586	0.000	3679.575	0.000

Pole Shear Design Data

Section No.	Elevation	Size	Actual V _u	φV _n	Ratio	Actual T _u	φT _n	Ratio
	ft		K	K	$\frac{V_u}{\phi V_n}$	kip-ft	kip-ft	$\frac{T_u}{\phi T_n}$
L1	138.5 - 108.5 (1)	TP24.5x17.375x0.188	10.350	250.210	0.041	0.036	540.661	0.000
L2	108.5 - 83.758 (2)	TP31.862x24.5x0.25	14.108	417.238	0.034	0.036	1118.083	0.000
L3	83.758 - 43.034 (3)	TP43.416x30.029x0.313	18.161	719.769	0.025	0.123	2606.350	0.000
L4	43.034 - 0 (4)	TP55.5x41.036x0.313	21.164	960.671	0.022	0.123	4642.967	0.000

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Pole Interaction Design Data

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		P_u	M_{ux}	M_{uy}	V_u	T_u			
L1	138.5 - 108.5 (1)	0.013	0.542	0.000	0.041	0.000	0.556 ✓	1.050	4.8.2 ✓
L2	108.5 - 83.758 (2)	0.012	0.510	0.000	0.034	0.000	0.524 ✓	1.050	4.8.2 ✓
L3	83.758 - 43.034 (3)	0.012	0.508	0.000	0.025	0.000	0.520 ✓	1.050	4.8.2 ✓
L4	43.034 - 0 (4)	0.013	0.586	0.000	0.022	0.000	0.599 ✓	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	138.5 - 108.5	Pole	TP24.5x17.375x0.188	1	-10.591	888.757	53.0	Pass	
L2	108.5 - 83.758	Pole	TP31.862x24.5x0.25	2	-17.410	1475.796	49.9	Pass	
L3	83.758 - 43.034	Pole	TP43.416x30.029x0.313	3	-27.707	2519.191	49.5	Pass	
L4	43.034 - 0	Pole	TP55.5x41.036x0.313	4	-40.982	3362.352	57.0	Pass	
							Summary		
							Pole (L4)	57.0	Pass
							RATING =	57.0	Pass

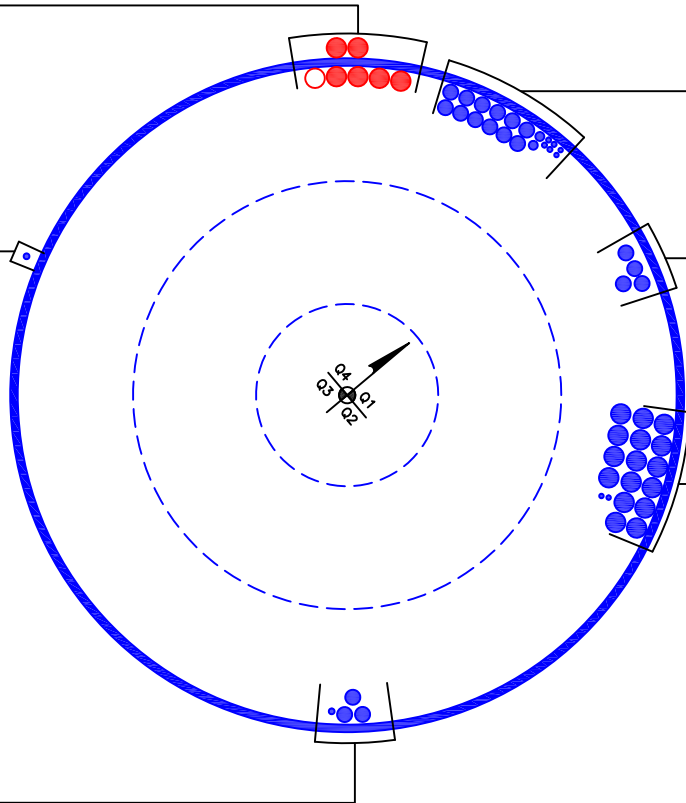
APPENDIX B
BASE LEVEL DRAWING

(PROPOSED EQUIPMENT CONFIGURATION)
(7) 1-5/8" TO 129 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(2) 3/8" TO 138 FT LEVEL
(4) 7/16" TO 138 FT LEVEL
(2) 3/4" TO 138 FT LEVEL
(12) 1-1/4" TO 138 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 70 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 104 FT LEVEL



(OTHER CONSIDERED EQUIPMENT)
(16) 1-5/8" TO 87 FT LEVEL
(2) 3/8" TO 87 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/4" TO 136 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 138 FT LEVEL
(2) 1-1/4" TO 138 FT LEVEL

BUSINESS UNIT: 876380

APPENDIX C
ADDITIONAL CALCULATIONS

Monopole Flange Plate Connection

Elevation = 108.5 ft.



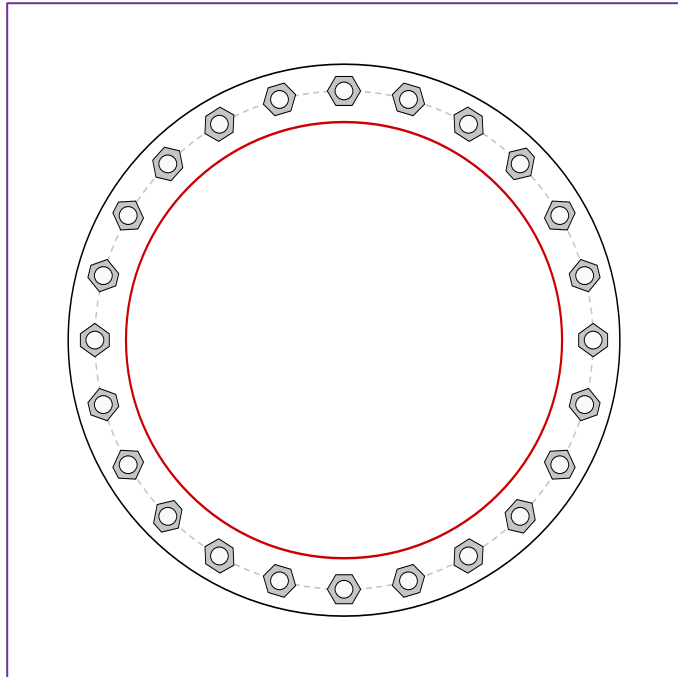
BU #	876380
Site Name	O&G WOODBURY, CT
Order #	554034, Rev 1

Applied Loads	
Moment (kip-ft)	265.96
Axial Force (kips)	10.59
Shear Force (kips)	10.35

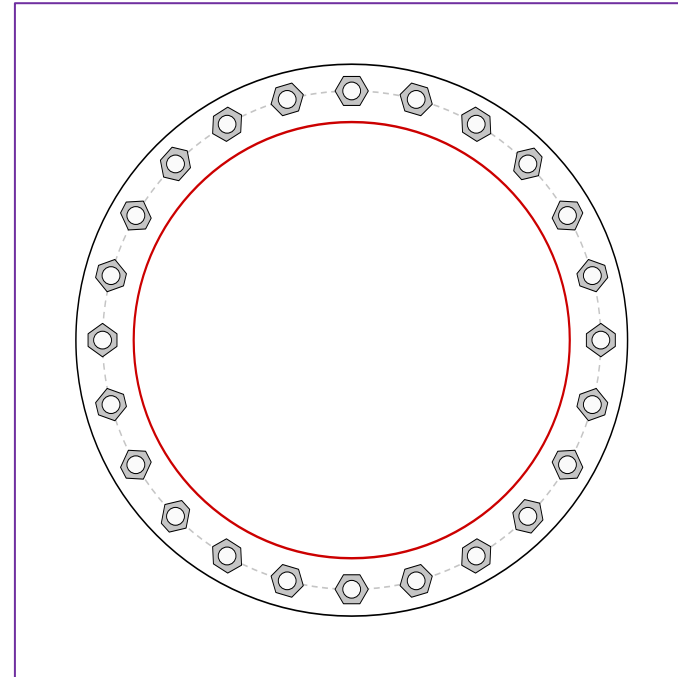
TIA-222 Revision	H
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*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(24) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 28" BC

Top Plate Data

31" OD x 1.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Top Stiffener Data

N/A

Top Pole Data

24.5" x 0.1875" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Bottom Plate Data

31" OD x 1.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

24.5" x 0.25" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	18.55
Allowable (kips)	54.54
Stress Rating:	32.4% Pass

Top Plate Capacity

Max Stress (ksi):	11.47	(Flexural)
Allowable Stress (ksi):	54.00	
Stress Rating:	20.2%	Pass
Tension Side Stress Rating:	10.9%	Pass

Bottom Plate Capacity

Max Stress (ksi):	11.47	(Flexural)
Allowable Stress (ksi):	54.00	
Stress Rating:	20.2%	Pass
Tension Side Stress Rating:	10.9%	Pass

Monopole Base Plate Connection

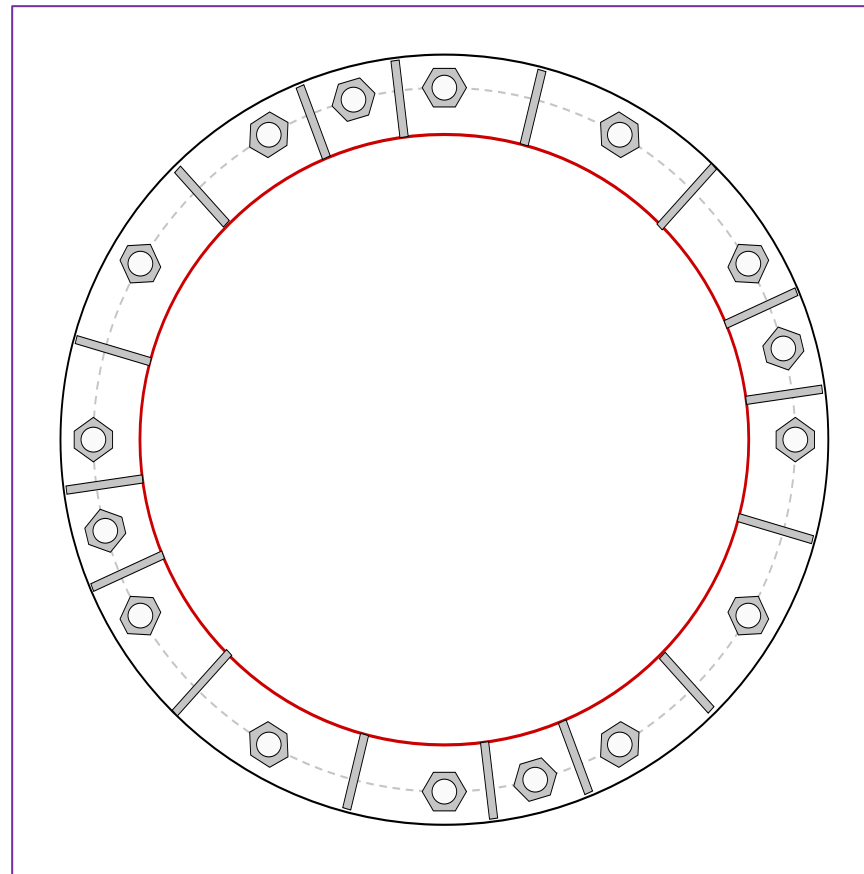


Site Info	
BU #	876380
Site Name	O&G WOODBURY, CT
Order #	554034, Rev 1

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

Applied Loads	
Moment (kip-ft)	2154.66
Axial Force (kips)	40.98
Shear Force (kips)	21.16

*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
-----------------------	------------------

Anchor Rod Data
 GROUP 1: (12) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 64" BC
 GROUP 2: (4) 2-1/4" ϕ bolts (F1554-105 N; $F_y=105$ ksi, $F_u=125$ ksi) on 64" BC

Base Plate Data
 70" OD x 1.5" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)

Stiffener Data
 (16) 15"H x 7"W x 0.75"T, Notch: 0.75"
 plate: $F_y=65$ ksi ; weld: $F_y=80$ ksi
 horiz. weld: 0.375" groove, 45° dbl bevel, 0.25" fillet
 vert. weld: 0.25" fillet

Pole Data
 55.5" x 0.3125" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary (units of kips, kip-in)
 GROUP 1:
 $P_{u,t} = 98.39$ $\phi P_{n,t} = 243.75$ **Stress Rating**
 $V_u = 1.32$ $\phi V_n = 149.1$ **38.4%**
 $M_u = n/a$ $\phi M_n = n/a$ **Pass**

GROUP 2:
 $P_{u,t} = 98.39$ $\phi P_{n,t} = 304.69$ **Stress Rating**
 $V_u = 1.32$ $\phi V_n = 186.38$ **30.8%**
 $M_u = n/a$ $\phi M_n = n/a$ **Pass**

Base Plate Summary
 Max Stress (ksi): 29.6 (Roark's Flexural)
 Allowable Stress (ksi): 54
 Stress Rating: **52.2%** **Pass**

Stiffener Summary
 Horizontal Weld: **25.4%** **Pass**
 Vertical Weld: **43.6%** **Pass**
 Plate Flexure+Shear: **9.9%** **Pass**
 Plate Tension+Shear: **25.1%** **Pass**
 Plate Compression: **33.7%** **Pass**

Pole Summary
 Punching Shear: **13.5%** **Pass**

CClplate

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	No	No	
2	Yes	Yes	Yes	No	No	

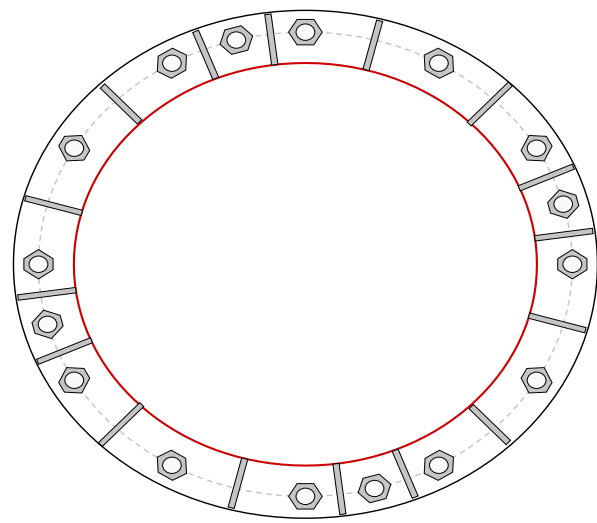
Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η	I_{br} (in)	Thread Type	Area Override, in ²	Tension Only
1	1	0	2.25	A615-75	64	0.5	0	N-Included		No
2	1	30	2.25	A615-75	64	0.5	0	N-Included		No
3	1	60	2.25	A615-75	64	0.5	0	N-Included		No
4	1	90	2.25	A615-75	64	0.5	0	N-Included		No
5	1	120	2.25	A615-75	64	0.5	0	N-Included		No
6	1	150	2.25	A615-75	64	0.5	0	N-Included		No
7	1	180	2.25	A615-75	64	0.5	0	N-Included		No
8	1	210	2.25	A615-75	64	0.5	0	N-Included		No
9	1	240	2.25	A615-75	64	0.5	0	N-Included		No
10	1	270	2.25	A615-75	64	0.5	0	N-Included		No
11	1	300	2.25	A615-75	64	0.5	0	N-Included		No
12	1	330	2.25	A615-75	64	0.5	0	N-Included		No
13	2	15	2.25	F1554-105	64	0.5	0	N-Included		No
14	2	105	2.25	F1554-105	64	0.5	0	N-Included		No
15	2	195	2.25	F1554-105	64	0.5	0	N-Included		No
16	2	285	2.25	F1554-105	64	0.5	0	N-Included		No

Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	7.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
2	1	45	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
3	1	75	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
4	1	112.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
5	1	135	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
6	1	165	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
7	1	202.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
8	1	225	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
9	1	255	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
10	1	292.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
11	1	315	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
12	1	345	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
13	1	22.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
14	1	97.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
15	1	277.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80
16	1	187.5	7	15	0.75	0.75	0.75	65	Both	0.375	45	0.25	0.25	80

Plot Graphic



Pier and Pad Foundation



BU #: 876380
 Site Name: O&G WOODBURY
 App. Number: 554034, Rev 1

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	40.99	kips
Base Shear, V_u_{comp} :	21.14	kips
Moment, M_u :	2154.66	ft-kips
Tower Height, H :	138.5	ft
BP Dist. Above Fdn, bp_{dist} :	3.375	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
<i>Lateral (Sliding) (kips)</i>	273.55	21.14	7.4%	Pass
<i>Bearing Pressure (ksf)</i>	9.00	2.01	21.3%	Pass
<i>Overturning (kip*ft)</i>	5362.86	2319.16	43.2%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	5874.06	2249.79	36.5%	Pass
<i>Pier Compression (kip)</i>	31187.52	80.68	0.2%	Pass
<i>Pad Flexure (kip*ft)</i>	4020.44	720.15	17.1%	Pass
<i>Pad Shear - 1-way (kips)</i>	824.79	120.71	13.9%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.190	0.024	12.0%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	4364.46	1349.87	29.5%	Pass

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	7	ft
Ext. Above Grade, E :	1	ft
Pier Rebar Size, Sc :	8	
Pier Rebar Quantity, mc :	46	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	5	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

*Rating per TIA-222-H Section 15.5

Soil Rating*:	43.2%
Structural Rating*:	36.5%

Pad Properties		
Depth, D :	6.5	ft
Pad Width, W_1 :	23	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2} :	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2} :	21	
Pad Rebar Size (Bottom dir. 2), Sp_2 :	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	37	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	135	pcf
Ultimate Gross Bearing, Q_{ult} :	12.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	34	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :		
Neglected Depth, N :	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

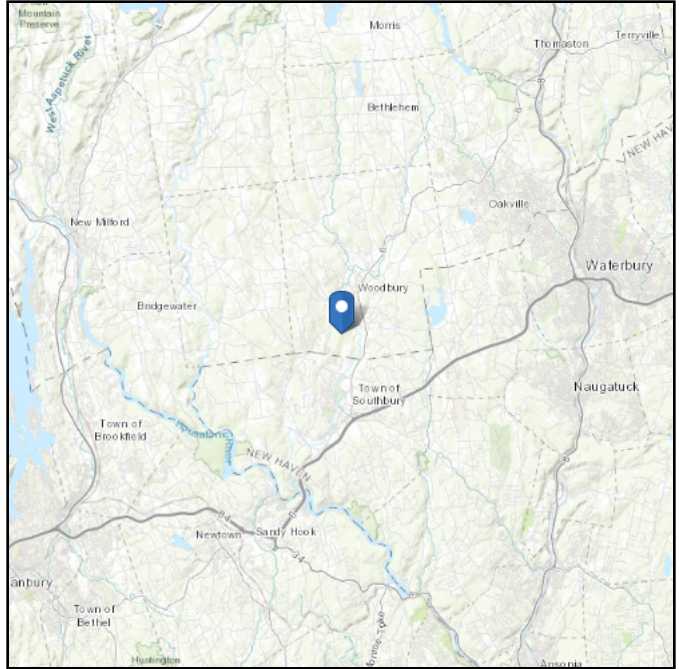
<--Toggle between Gross and Net

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 589.96 ft (NAVD 88)
Latitude: 41.522
Longitude: -73.220736

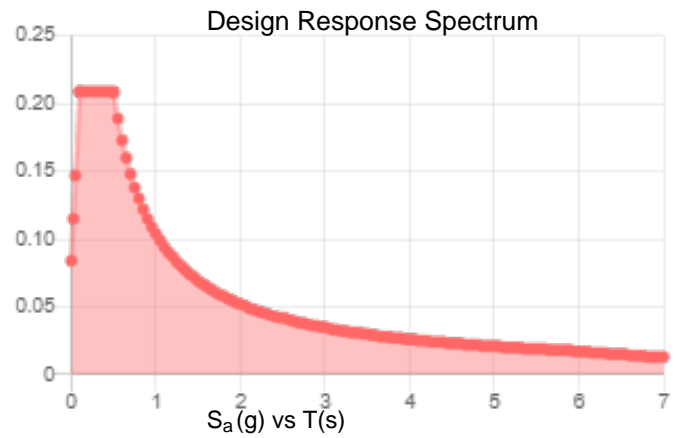
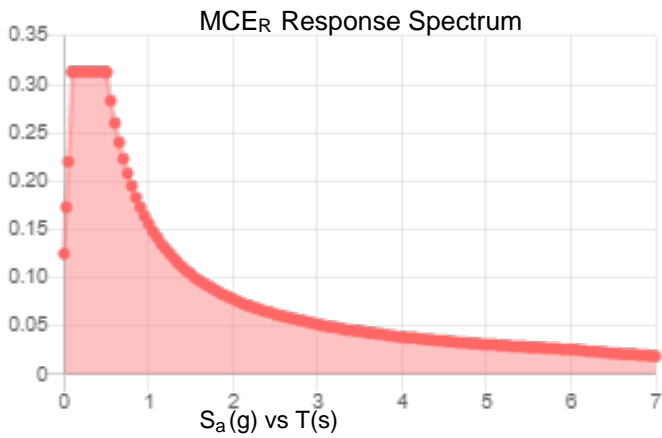


Site Soil Class: D - Stiff Soil

Results:

S_s :	0.196	S_{DS} :	0.209
S_1 :	0.065	S_{D1} :	0.104
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.103
S_{MS} :	0.313	PGA _M :	0.164
S_{M1} :	0.156	F _{PGA} :	1.594
		I_e :	1

Seismic Design Category B



Data Accessed:

Mon May 10 2021

Date Source:

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

Ice

Results:

Ice Thickness: 0.75 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

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

Date Accessed: Mon May 10 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
Mt. Laurel, NJ, 08054
856.797.0412
Peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10081112
Maser Consulting Connecticut Project #: 21777422A

June 28, 2021

Site Information

Site ID: 467570-VZW / WOODBURY S CT
Site Name: WOODBURY S CT
Carrier Name: Verizon Wireless
Address: 202 Great Hill Road
Woodbury, Connecticut 06798
Litchfield County
Latitude: 41.522006°
Longitude: -73.220736°

Structure Information

Tower Type: 140-Ft Monopole
Mount Type: 14.00-Ft Platform

FUZE ID # 16272072

Analysis Results

Platform: 71.2% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Zachary Bandilla



Digitally signed by Derek Hartzell
Date: 2021.06.28 13:14:41-0700'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon Wireless, Site ID: 325195, Dated February 11, 2021</i>
<i>Desktop Mount Mapping Form</i>	<i>Maser Consulting Connecticut, Project #: 21777422A, Dated June 14, 2021</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut, Project #: 21777422A, Dated June 18, 2021</i>
<i>Mount Modification Drawings</i>	<i>Maser Consulting Connecticut, Project #: 21777422A, Dated June 28, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 116 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.979
Seismic Parameters:	S_s : 0.196 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
130.00	130.00	6	Quintel	QS6656-5D	Added
		3	Samsung	MT6407-77A	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Andrew	LNx-8513DS-A1M	Retained

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount(s).

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

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

Standard Conditions:

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

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

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

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

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - 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
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Face Horizontal</i>	<i>12.9 %</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>34.2 %</i>	<i>Pass</i>
<i>Platform Crossmember</i>	<i>16.7 %</i>	<i>Pass</i>
<i>Corner Plate</i>	<i>10.9 %</i>	<i>Pass</i>
<i>Grating Support</i>	<i>12.8 %</i>	<i>Pass</i>
<i>Cross Arm Plate</i>	<i>34.6 %</i>	<i>Pass</i>
<i>Mount Pipe</i>	<i>26.0 %</i>	<i>Pass</i>
<i>MOD Support Rail</i>	<i>11.0 %</i>	<i>Pass</i>
<i>MOD Corner Bracket</i>	<i>11.7 %</i>	<i>Pass</i>
<i>Connection Check</i>	<i>71.2 %</i>	<i>Pass</i>
Structure Rating – (Controlling Utilization of all Components)		71.2%

Recommendation:


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

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

Attachments:

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



	Desktop Mount Mapping Form			
	Site Name:	Woodbury S CT	Tower Type:	Monopole
	Site ID:	467570	Tower Owner:	
	FUZE Project ID:	16272072	Tower Height (Ft.):	140
	Customer:	Verizon Wireless	Mount Elevation (Ft.):	130
Colliers Project No.	21777422	Date:	6/14/2021	

The information contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of Colliers Engineering & Design.

Document Type	Provided? (Yes/No)	Source Name	Project No.	Dated	Comments/Remarks
Previous Mount Mapping	No				
Previous Mapping Photos	No				
Previous Mount Analysis	No				
Previous Mount Modifications	No				
Previous Structural Analysis	No				
Construction Drawings	No				
Closeout Package	No				
Closeout Photos	Yes	Woodbury CT Photos		10/20/2015	SitePro1 Platform
Handover Package	No				
New Build 445 Documentation	No				
Other	No				
Previous PMI	No				

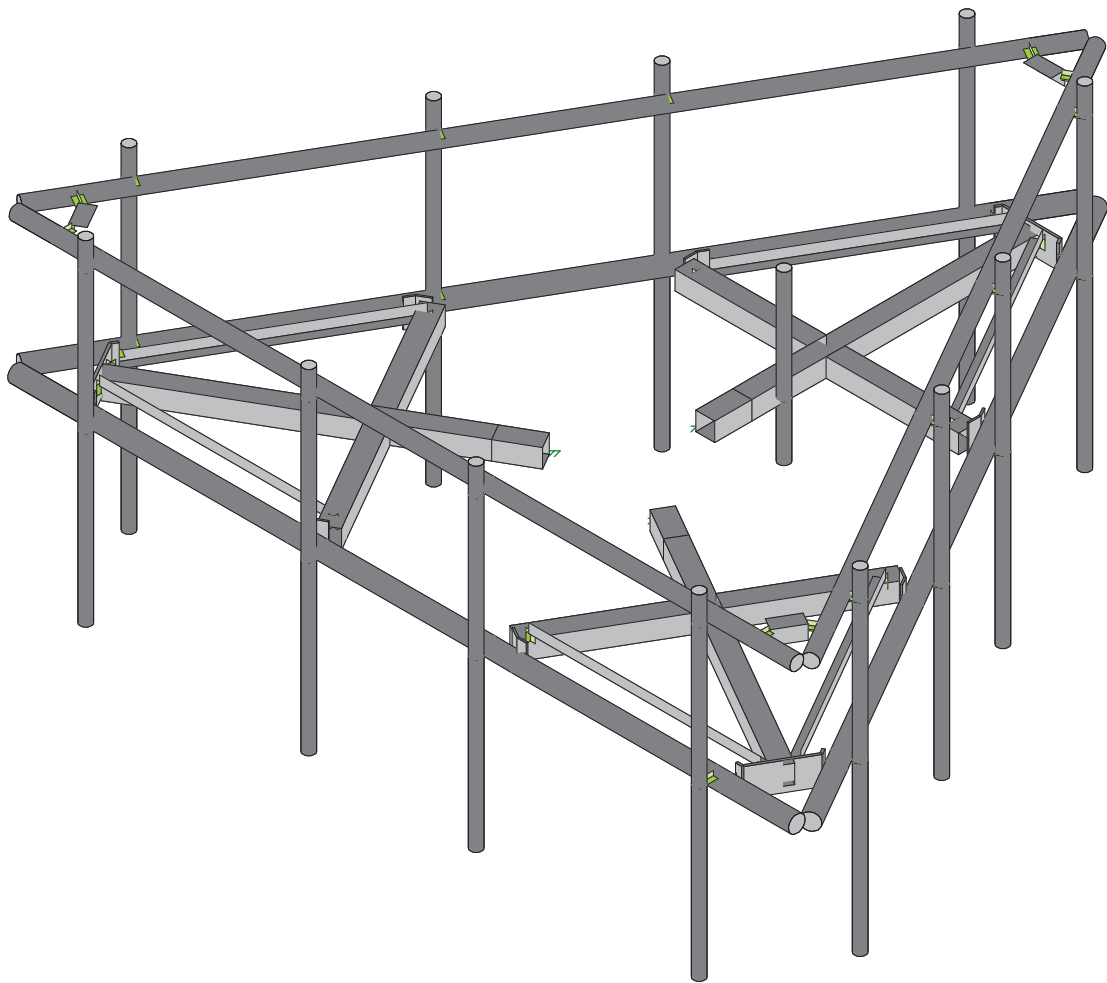
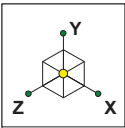
The **desktop mount mapping** is based on the engineering review of the available site documents in FUZE, as listed above, in place of a full mount mapping. It is assumed that the information provided in the documents listed above, provide an accurate representation of the existing mount. EOR reserves the right and will typically require additional clarification and verification as will be included in the PMI requirements. During the Post Modification Inspection (PMI) process, the GC on site will be required to confirm all questions, confirmations, and validations as posed by the EOR. The engineering review for this desktop mount mapping was performed in accordance to the ANSI/TIA-222-H requirements and Verizon's NSTD446 standard.



Photo taken from: Closeout Package



Photo taken from: Closeout Package

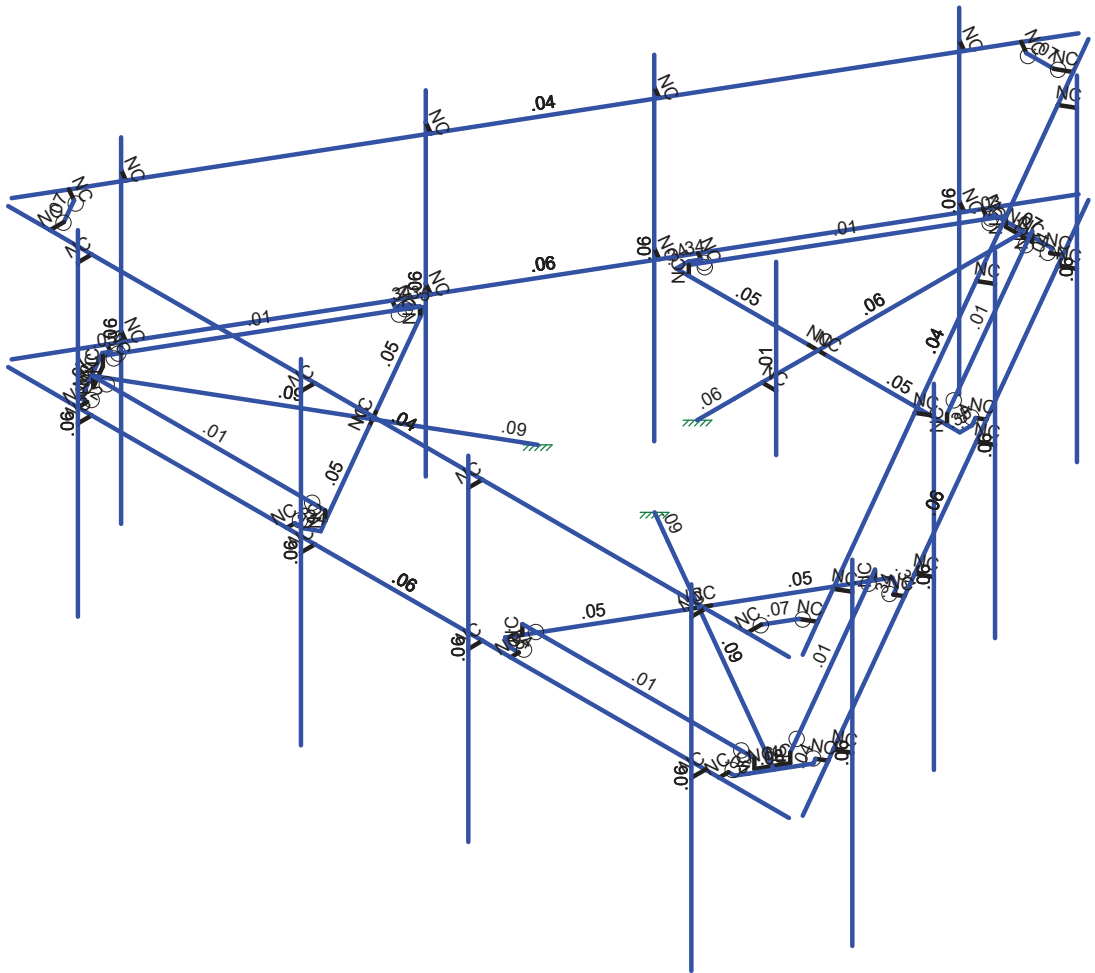
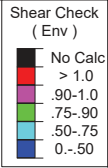
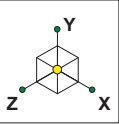


Envelope Only Solution

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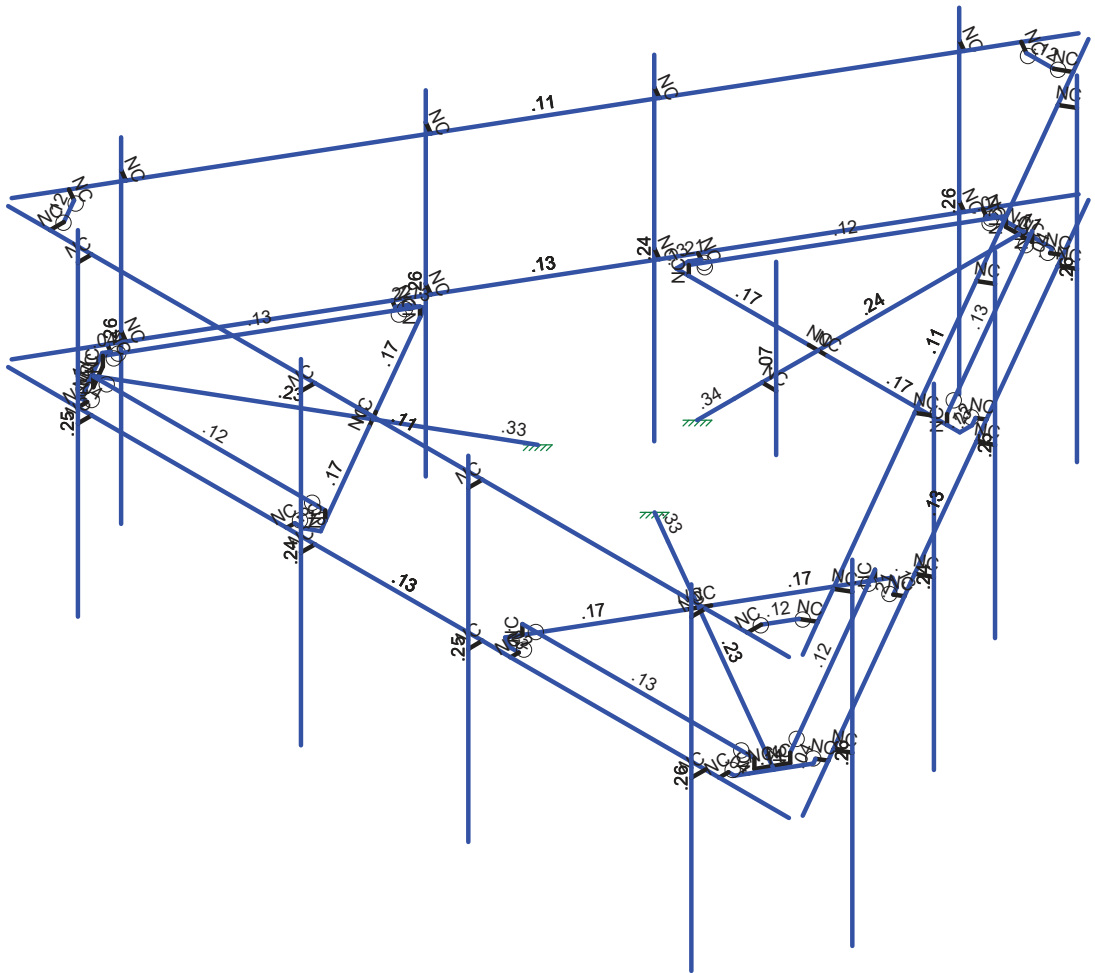
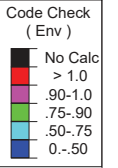
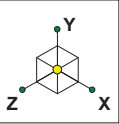


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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Member Code Checks Displayed (Enveloped)
Envelope Only Solution

SK - 2

June 28, 2021 at 7:23 AM

MOD_LOADED_467570-VZW_MT...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
1	Antenna D	None					93		
2	Antenna Di	None					93		
3	Antenna Wo (0 Deg)	None					93		
4	Antenna Wo (30 Deg)	None					93		
5	Antenna Wo (60 Deg)	None					93		
6	Antenna Wo (90 Deg)	None					93		
7	Antenna Wo (120 Deg)	None					93		
8	Antenna Wo (150 Deg)	None					93		
9	Antenna Wo (180 Deg)	None					93		
10	Antenna Wo (210 Deg)	None					93		
11	Antenna Wo (240 Deg)	None					93		
12	Antenna Wo (270 Deg)	None					93		
13	Antenna Wo (300 Deg)	None					93		
14	Antenna Wo (330 Deg)	None					93		
15	Antenna Wi (0 Deg)	None					93		
16	Antenna Wi (30 Deg)	None					93		
17	Antenna Wi (60 Deg)	None					93		
18	Antenna Wi (90 Deg)	None					93		
19	Antenna Wi (120 Deg)	None					93		
20	Antenna Wi (150 Deg)	None					93		
21	Antenna Wi (180 Deg)	None					93		
22	Antenna Wi (210 Deg)	None					93		
23	Antenna Wi (240 Deg)	None					93		
24	Antenna Wi (270 Deg)	None					93		
25	Antenna Wi (300 Deg)	None					93		
26	Antenna Wi (330 Deg)	None					93		
27	Antenna Wm (0 Deg)	None					93		
28	Antenna Wm (30 Deg)	None					93		
29	Antenna Wm (60 Deg)	None					93		
30	Antenna Wm (90 Deg)	None					93		
31	Antenna Wm (120 Deg)	None					93		
32	Antenna Wm (150 Deg)	None					93		
33	Antenna Wm (180 Deg)	None					93		
34	Antenna Wm (210 Deg)	None					93		
35	Antenna Wm (240 Deg)	None					93		
36	Antenna Wm (270 Deg)	None					93		
37	Antenna Wm (300 Deg)	None					93		
38	Antenna Wm (330 Deg)	None					93		
39	Structure D	None		-1					3
40	Structure Di	None						61	3
41	Structure Wo (0 Deg)	None						122	
42	Structure Wo (30 Deg)	None						122	
43	Structure Wo (60 Deg)	None						122	
44	Structure Wo (90 Deg)	None						122	
45	Structure Wo (120 D...	None						122	
46	Structure Wo (150 D...	None						122	
47	Structure Wo (180 D...	None						122	
48	Structure Wo (210 D...	None						122	
49	Structure Wo (240 D...	None						122	
50	Structure Wo (270 D...	None						122	
51	Structure Wo (300 D...	None						122	
52	Structure Wo (330 D...	None						122	
53	Structure Wi (0 Deg)	None						122	
54	Structure Wi (30 Deg)	None						122	
55	Structure Wi (60 Deg)	None						122	
56	Structure Wi (90 Deg)	None						122	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						122	
58	Structure Wi (150 De...	None						122	
59	Structure Wi (180 De...	None						122	
60	Structure Wi (210 De...	None						122	
61	Structure Wi (240 De...	None						122	
62	Structure Wi (270 De...	None						122	
63	Structure Wi (300 De...	None						122	
64	Structure Wi (330 De...	None						122	
65	Structure Wm (0 Deg)	None						122	
66	Structure Wm (30 De...	None						122	
67	Structure Wm (60 De...	None						122	
68	Structure Wm (90 De...	None						122	
69	Structure Wm (120 D...	None						122	
70	Structure Wm (150 D...	None						122	
71	Structure Wm (180 D...	None						122	
72	Structure Wm (210 D...	None						122	
73	Structure Wm (240 D...	None						122	
74	Structure Wm (270 D...	None						122	
75	Structure Wm (300 D...	None						122	
76	Structure Wm (330 D...	None						122	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	BLC 39 Transient Are...	None						30	
82	BLC 40 Transient Are...	None						30	

Load Combinations

	Description	Solve	P...	SR...	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1									
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1									
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1									
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1									
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1									
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1									
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1									
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1									
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1									
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1									
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1									
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1									
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1					
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1					
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1					
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1					
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1					
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1					
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1					
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1					
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1					
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1					
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1					
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1					
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1							
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1							



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Load Combinations (Continued)

	Description	Solve	P...	SR...	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1		
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1		
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1		
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1		
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1		
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1		
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1		
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1		
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1		
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1		
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1		
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1		
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1		
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1		
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1		
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1		
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1		
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1		
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1		
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1		
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1		
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1		
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5						
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5						
51	1.4D	Yes	Y		1	1.4	39	1.4								

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N144A	7	0	4.143857	0	
2	N145	-7	0	4.143857	0	
3	N146	0	0	-1.875	0	
4	N147	-2.541667	0	-3.375	0	
5	N148A	2.315104	0.166667	-3.375	0	
6	N149	-2.315104	0.166667	-3.375	0	
7	N150	0	0	-3.375	0	
8	N151	0	0	-7.0625	0	
9	N152	2.315104	0	-3.375	0	
10	N153	-2.315104	0	-3.375	0	
11	N154	2.541667	0	-3.375	0	
12	N155	-0.166667	0	-3.375	0	
13	N156	0.166667	0	-3.375	0	
14	N157	-2.541667	0	-3.59375	0	
15	N158	2.541667	0	-3.59375	0	
16	N159	2.458333	0	-3.738088	0	
17	N160	0.571615	0	-6.965523	0	
18	N161	-2.458333	0	-3.738088	0	
19	N162	-0.571615	0	-6.965523	0	
20	N163	2.584629	0	-3.811004	0	
21	N164	-2.584629	0	-3.811004	0	
22	N165	-0.515625	0	-7.0625	0	
23	N166	0.515625	0	-7.0625	0	
24	N167	0.715429	0	-7.048554	0	
25	N168	-0.715429	0	-7.048554	0	
26	N169	0	0	-6.979167	0	
27	N170	0.234238	0.166667	-6.979167	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
28	N171	0.234238	0	-6.979167	0	
29	N172	-0.234238	0.166667	-6.979167	0	
30	N173	-0.234238	0	-6.979167	0	
31	N174	0	0	0	0	
32	N175	0	0	-1.208333	0	
33	N176	-1.623798	0	0.9375	0	
34	N177	-1.652002	0	3.888648	0	
35	N178	-4.080388	0.166667	-0.317439	0	
36	N179	-1.765284	0.166667	3.692439	0	
37	N180	-2.922836	0	1.6875	0	
38	N181	-6.116304	0	3.53125	0	
39	N182	-4.080388	0	-0.317439	0	
40	N183	-1.765284	0	3.692439	0	
41	N184	-4.193669	0	-0.513648	0	
42	N185	-2.839502	0	1.831838	0	
43	N186	-3.006169	0	1.543162	0	
44	N187	-1.841445	0	3.998023	0	
45	N188	-4.383112	0	-0.404273	0	
46	N189	-4.466445	0	-0.259935	0	
47	N190	-6.318127	0	2.987729	0	
48	N191	-2.008112	0	3.998023	0	
49	N192	-5.746513	0	3.977794	0	
50	N193	-4.592741	0	-0.332852	0	
51	N194	-2.008112	0	4.143857	0	
52	N195	-5.858492	0	3.977794	0	
53	N196	-6.374117	0	3.084706	0	
54	N197	-6.461941	0	2.904698	0	
55	N198	-5.746513	0	4.143857	0	
56	N199	-6.044136	0	3.489583	0	
57	N200	-6.161254	0.166667	3.286728	0	
58	N201	-6.161254	0	3.286728	0	
59	N202	-5.927017	0.166667	3.692439	0	
60	N203	-5.927017	0	3.692439	0	
61	N204	-1.046447	0	0.604167	0	
62	N205	1.623798	0	0.9375	0	
63	N206	4.193669	0	-0.513648	0	
64	N207	1.765284	0.166667	3.692439	0	
65	N208	4.080388	0.166667	-0.317439	0	
66	N209	2.922836	0	1.6875	0	
67	N210	6.116304	0	3.53125	0	
68	N211	1.765284	0	3.692439	0	
69	N212	4.080388	0	-0.317439	0	
70	N213	1.652002	0	3.888648	0	
71	N214	3.006169	0	1.543162	0	
72	N215	2.839502	0	1.831838	0	
73	N216	4.383112	0	-0.404273	0	
74	N217	1.841445	0	3.998023	0	
75	N218	2.008112	0	3.998023	0	
76	N219	5.746513	0	3.977794	0	
77	N220	4.466445	0	-0.259935	0	
78	N221	6.318127	0	2.987729	0	
79	N222	2.008112	0	4.143857	0	
80	N223	4.592741	0	-0.332852	0	
81	N224	6.374117	0	3.084706	0	
82	N225	5.858492	0	3.977794	0	
83	N226	5.746513	0	4.143857	0	
84	N227	6.461941	0	2.904698	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
85	N228	6.044136	0	3.489583	0	
86	N229	5.927017	0.166667	3.692439	0	
87	N230	5.927017	0	3.692439	0	
88	N231	6.161254	0.166667	3.286728	0	
89	N232	6.161254	0	3.286728	0	
90	N233	1.046447	0	0.604167	0	
91	N234	0.088685	0	-8.134106	0	
92	N235	7.088685	0	3.99025	0	
93	N236	-7.088685	0	3.99025	0	
94	N237	-0.088685	0	-8.134106	0	
95	N238	-5.5	0	4.143857	0	
96	N239	-1.5	0	4.143857	0	
97	N240	5.5	0	4.143857	0	
98	N241	1.5	0	4.143857	0	
99	N242	-5.5	0	4.393857	0	
100	N243	-1.5	0	4.393857	0	
101	N244	5.5	0	4.393857	0	
102	N245	1.5	0	4.393857	0	
103	N246	-5.5	3	4.393857	0	
104	N247	-1.5	3	4.393857	0	
105	N248	5.5	3	4.393857	0	
106	N249	1.5	3	4.393857	0	
107	N250	-5.5	-3	4.393857	0	
108	N251	-1.5	-3	4.393857	0	
109	N252	5.5	-3	4.393857	0	
110	N253	1.5	-3	4.393857	0	
111	N254	6.338685	0	2.691211	0	
112	N255	4.338685	0	-0.77289	0	
113	N256	0.838685	0	-6.835068	0	
114	N257	2.838685	0	-3.370966	0	
115	N258	6.555191	0	2.566211	0	
116	N259	4.555191	0	-0.89789	0	
117	N260	1.055191	0	-6.960068	0	
118	N261	3.055191	0	-3.495966	0	
119	N262	6.555191	3	2.566211	0	
120	N263	4.555191	3	-0.89789	0	
121	N264	1.055191	3	-6.960068	0	
122	N265	3.055191	3	-3.495966	0	
123	N266	6.555191	-3	2.566211	0	
124	N267	4.555191	-3	-0.89789	0	
125	N268	1.055191	-3	-6.960068	0	
126	N269	3.055191	-3	-3.495966	0	
127	N270	-0.838685	0	-6.835068	0	
128	N271	-2.838685	0	-3.370966	0	
129	N272	-6.338685	0	2.691211	0	
130	N273	-4.338685	0	-0.77289	0	
131	N274	-1.055191	0	-6.960068	0	
132	N275	-3.055191	0	-3.495966	0	
133	N276	-6.555191	0	2.566211	0	
134	N277	-4.555191	0	-0.89789	0	
135	N278	-1.055191	3	-6.960068	0	
136	N279	-3.055191	3	-3.495966	0	
137	N280	-6.555191	3	2.566211	0	
138	N281	-4.555191	3	-0.89789	0	
139	N282	-1.055191	-3	-6.960068	0	
140	N283	-3.055191	-3	-3.495966	0	
141	N284	-6.555191	-3	2.566211	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
142	N285	-4.555191	-3	-0.89789	0	
143	N143	0	0	-2.375	0	
144	N144	.25	0	-2.375	0	
145	N145A	.25	2	-2.375	0	
146	N146A	.25	-1	-2.375	0	
147	N147A	7	2.5	4.143857	0	
148	N148	-7	2.5	4.143857	0	
149	N149A	-5.5	2.5	4.143857	0	
150	N150A	-1.5	2.5	4.143857	0	
151	N151A	5.5	2.5	4.143857	0	
152	N152A	1.5	2.5	4.143857	0	
153	N153A	-5.5	2.5	4.393857	0	
154	N154A	-1.5	2.5	4.393857	0	
155	N155A	5.5	2.5	4.393857	0	
156	N156A	1.5	2.5	4.393857	0	
157	N157A	-6.25	2.5	4.143857	0	
158	N158A	6.25	2.5	4.143857	0	
159	N159A	-6.25	2.5	3.893857	0	
160	N160A	6.25	2.5	3.893857	0	
161	N161A	0.088685	2.5	-8.134106	0	
162	N162A	7.088685	2.5	3.99025	0	
163	N163A	6.338685	2.5	2.691211	0	
164	N164A	4.338685	2.5	-0.77289	0	
165	N165A	0.838685	2.5	-6.835068	0	
166	N166A	2.838685	2.5	-3.370966	0	
167	N167A	6.555191	2.5	2.566211	0	
168	N168A	4.555191	2.5	-0.89789	0	
169	N169A	1.055191	2.5	-6.960068	0	
170	N170A	3.055191	2.5	-3.495966	0	
171	N171A	6.713685	2.5	3.34073	0	
172	N172A	0.463685	2.5	-7.484587	0	
173	N173A	6.497179	2.5	3.46573	0	
174	N174A	0.247179	2.5	-7.359587	0	
175	N175A	-7.088685	2.5	3.99025	0	
176	N176A	-0.088685	2.5	-8.134106	0	
177	N177A	-0.838685	2.5	-6.835068	0	
178	N178A	-2.838685	2.5	-3.370966	0	
179	N179A	-6.338685	2.5	2.691211	0	
180	N180A	-4.338685	2.5	-0.77289	0	
181	N181A	-1.055191	2.5	-6.960068	0	
182	N182A	-3.055191	2.5	-3.495966	0	
183	N183A	-6.555191	2.5	2.566211	0	
184	N184A	-4.555191	2.5	-0.89789	0	
185	N185A	-0.463685	2.5	-7.484587	0	
186	N186A	-6.713685	2.5	3.34073	0	
187	N187A	-0.247179	2.5	-7.359587	0	
188	N188A	-6.497179	2.5	3.46573	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareT...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareT...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single A...	A36 Gr.36	Typical	.722	.271	.271	.009



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Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	MOD Support Rail	PIPE 2.5	Column	RECT	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	MOD Corner Bracket	L3X3X4	Column	RECT	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M100	Face Horizo...	14			Lbyy						Lateral
2	M101	Standoff Ho...	5.188			Lbyy						Lateral
3	M102	Platform Cr...	2.375			Lbyy						Lateral
4	M103	Platform Cr...	2.375			Lbyy						Lateral
5	M104	Corner Plate	1.031			Lbyy						Lateral
6	M107	Grating Sup...	4.162			Lbyy						Lateral
7	M108	Grating Sup...	4.162			Lbyy						Lateral
8	M112	Cross Arm ...	.219									Lateral
9	M113	Cross Arm ...	.167									Lateral
10	M115	Corner Plate	.112			Lbyy						Lateral
11	M117	Cross Arm ...	.219									Lateral
12	M118	Cross Arm ...	.167									Lateral
13	M120	Corner Plate	.112			Lbyy						Lateral
14	M125	Standoff Ho...	.667			Lbyy						Lateral
15	M126	Standoff Ho...	5.187			Lbyy						Lateral
16	M127	Platform Cr...	2.375			Lbyy						Lateral
17	M128	Platform Cr...	2.375			Lbyy						Lateral
18	M129	Corner Plate	1.031			Lbyy						Lateral
19	M132	Grating Sup...	4.162			Lbyy						Lateral
20	M133	Grating Sup...	4.162			Lbyy						Lateral
21	M137	Cross Arm ...	.219									Lateral
22	M138	Cross Arm ...	.167									Lateral
23	M140	Corner Plate	.112			Lbyy						Lateral
24	M142	Cross Arm ...	.219									Lateral
25	M143	Cross Arm ...	.167									Lateral
26	M145	Corner Plate	.112			Lbyy						Lateral
27	M150	Standoff Ho...	.667			Lbyy						Lateral
28	M151	Standoff Ho...	5.187			Lbyy						Lateral
29	M152	Platform Cr...	2.375			Lbyy						Lateral
30	M153	Platform Cr...	2.375			Lbyy						Lateral
31	M154	Corner Plate	1.031			Lbyy						Lateral
32	M157	Grating Sup...	4.162			Lbyy						Lateral
33	M158	Grating Sup...	4.162			Lbyy						Lateral
34	M162	Cross Arm ...	.219									Lateral
35	M163	Cross Arm ...	.167									Lateral
36	M165	Corner Plate	.112			Lbyy						Lateral
37	M167	Cross Arm ...	.219									Lateral
38	M168	Cross Arm ...	.167									Lateral
39	M170	Corner Plate	.112			Lbyy						Lateral
40	M175	Standoff Ho...	.667			Lbyy						Lateral
41	M176	Face Horizo...	14			Lbyy						Lateral
42	M177	Face Horizo...	14			Lbyy						Lateral
43	MP1A	Mount Pipe	6									Lateral
44	MP2A	Mount Pipe	6									Lateral
45	MP3A	Mount Pipe	6									Lateral
46	MP4A	Mount Pipe	6									Lateral
47	MP1C	Mount Pipe	6									Lateral
48	MP2C	Mount Pipe	6									Lateral



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Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
49	MP3C	Mount Pipe	6									Lateral
50	MP4C	Mount Pipe	6									Lateral
51	MP1B	Mount Pipe	6									Lateral
52	MP2B	Mount Pipe	6									Lateral
53	MP3B	Mount Pipe	6									Lateral
54	MP4B	Mount Pipe	6									Lateral
55	OVP1	Mount Pipe	3									Lateral
56	M105A	MOD Supp...	14			Lbyy						Lateral
57	M112A	MOD Supp...	14			Lbyy						Lateral
58	M119A	MOD Supp...	14			Lbyy						Lateral
59	M126A	MOD Corne...	.494									Lateral
60	M127A	MOD Corne...	.494									Lateral
61	M128A	MOD Corne...	.494									Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M100	N144A	N145			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M101	N146	N151			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M102	N154	N156			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M103	N155	N147			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
5	M104	N165	N166			Corner Plate	Beam	BAR	A36 Gr.36	Typical
6	M105	N149	N153			RIGID	None	None	RIGID	Typical
7	M106	N148A	N152			RIGID	None	None	RIGID	Typical
8	M107	N170	N148A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M108	N149	N172			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
10	M109	N172	N173			RIGID	None	None	RIGID	Typical
11	M110	N155	N150			RIGID	None	None	RIGID	Typical
12	M111	N150	N156			RIGID	None	None	RIGID	Typical
13	M112	N154	N158			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M113	N158	N159			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
15	M114	N159	N163			RIGID	None	None	RIGID	Typical
16	M115	N166	N160			Corner Plate	Beam	BAR	A36 Gr.36	Typical
17	M116	N160	N167			RIGID	None	None	RIGID	Typical
18	M117	N147	N157			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M118	N157	N161			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M119	N161	N164			RIGID	None	None	RIGID	Typical
21	M120	N165	N162			Corner Plate	Beam	BAR	A36 Gr.36	Typical
22	M121	N162	N168			RIGID	None	None	RIGID	Typical
23	M122	N173	N169			RIGID	None	None	RIGID	Typical
24	M123	N169	N171			RIGID	None	None	RIGID	Typical
25	M124	N170	N171			RIGID	None	None	RIGID	Typical
26	M125	N175	N146			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
27	M126	N176	N181			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
28	M127	N184	N186			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
29	M128	N185	N177			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
30	M129	N195	N196			Corner Plate	Beam	BAR	A36 Gr.36	Typical
31	M130	N179	N183			RIGID	None	None	RIGID	Typical
32	M131	N178	N182			RIGID	None	None	RIGID	Typical
33	M132	N200	N178			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
34	M133	N179	N202			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
35	M134	N202	N203			RIGID	None	None	RIGID	Typical
36	M135	N185	N180			RIGID	None	None	RIGID	Typical
37	M136	N180	N186			RIGID	None	None	RIGID	Typical
38	M137	N184	N188			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
39	M138	N188	N189			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
40	M139	N189	N193			RIGID	None	None	RIGID	Typical
41	M140	N196	N190			Corner Plate	Beam	BAR	A36 Gr.36	Typical
42	M141	N190	N197			RIGID	None	None	RIGID	Typical
43	M142	N177	N187			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M143	N187	N191			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M144	N191	N194			RIGID	None	None	RIGID	Typical
46	M145	N195	N192			Corner Plate	Beam	BAR	A36 Gr.36	Typical
47	M146	N192	N198			RIGID	None	None	RIGID	Typical
48	M147	N203	N199			RIGID	None	None	RIGID	Typical
49	M148	N199	N201			RIGID	None	None	RIGID	Typical
50	M149	N200	N201			RIGID	None	None	RIGID	Typical
51	M150	N204	N176			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
52	M151	N205	N210			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
53	M152	N213	N215			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
54	M153	N214	N206			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
55	M154	N224	N225			Corner Plate	Beam	BAR	A36 Gr.36	Typical
56	M155	N208	N212			RIGID	None	None	RIGID	Typical
57	M156	N207	N211			RIGID	None	None	RIGID	Typical
58	M157	N229	N207			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
59	M158	N208	N231			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
60	M159	N231	N232			RIGID	None	None	RIGID	Typical
61	M160	N214	N209			RIGID	None	None	RIGID	Typical
62	M161	N209	N215			RIGID	None	None	RIGID	Typical
63	M162	N213	N217			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
64	M163	N217	N218			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
65	M164	N218	N222			RIGID	None	None	RIGID	Typical
66	M165	N225	N219			Corner Plate	Beam	BAR	A36 Gr.36	Typical
67	M166	N219	N226			RIGID	None	None	RIGID	Typical
68	M167	N206	N216			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M168	N216	N220			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M169	N220	N223			RIGID	None	None	RIGID	Typical
71	M170	N224	N221			Corner Plate	Beam	BAR	A36 Gr.36	Typical
72	M171	N221	N227			RIGID	None	None	RIGID	Typical
73	M172	N232	N228			RIGID	None	None	RIGID	Typical
74	M173	N228	N230			RIGID	None	None	RIGID	Typical
75	M174	N229	N230			RIGID	None	None	RIGID	Typical
76	M175	N233	N205			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
77	M176	N234	N235			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
78	M177	N236	N237			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
79	MP1A	N248	N252			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	MP2A	N249	N253			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP3A	N247	N251			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	MP4A	N246	N250			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	M182	N240	N244			RIGID	None	None	RIGID	Typical
84	M183	N241	N245			RIGID	None	None	RIGID	Typical
85	M184	N239	N243			RIGID	None	None	RIGID	Typical
86	M185	N238	N242			RIGID	None	None	RIGID	Typical
87	MP1C	N264	N268			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP2C	N265	N269			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP3C	N263	N267			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP4C	N262	N266			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M190	N256	N260			RIGID	None	None	RIGID	Typical
92	M191	N257	N261			RIGID	None	None	RIGID	Typical
93	M192	N255	N259			RIGID	None	None	RIGID	Typical
94	M193	N254	N258			RIGID	None	None	RIGID	Typical
95	MP1B	N280	N284			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	MP2B	N281	N285			Mount Pipe	Column	Pipe	A53 Gr.B	Typical



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
97	MP3B	N279	N283			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP4B	N278	N282			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	M198	N272	N276			RIGID	None	None	RIGID	Typical
100	M199	N273	N277			RIGID	None	None	RIGID	Typical
101	M200	N271	N275			RIGID	None	None	RIGID	Typical
102	M201	N270	N274			RIGID	None	None	RIGID	Typical
103	M103A	N143	N144			RIGID	None	None	RIGID	Typical
104	OVP1	N145A	N146A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	M105A	N147A	N148			MOD Support ...	Column	RECT	A53 Gr.B	Typical
106	M106A	N151A	N155A			RIGID	None	None	RIGID	Typical
107	M107A	N152A	N156A			RIGID	None	None	RIGID	Typical
108	M108A	N150A	N154A			RIGID	None	None	RIGID	Typical
109	M109A	N149A	N153A			RIGID	None	None	RIGID	Typical
110	M110A	N159A	N157A			RIGID	None	None	RIGID	Typical
111	M111A	N160A	N158A			RIGID	None	None	RIGID	Typical
112	M112A	N161A	N162A			MOD Support ...	Column	RECT	A53 Gr.B	Typical
113	M113A	N165A	N169A			RIGID	None	None	RIGID	Typical
114	M114A	N166A	N170A			RIGID	None	None	RIGID	Typical
115	M115A	N164A	N168A			RIGID	None	None	RIGID	Typical
116	M116A	N163A	N167A			RIGID	None	None	RIGID	Typical
117	M117A	N173A	N171A			RIGID	None	None	RIGID	Typical
118	M118A	N174A	N172A			RIGID	None	None	RIGID	Typical
119	M119A	N175A	N176A			MOD Support ...	Column	RECT	A53 Gr.B	Typical
120	M120A	N179A	N183A			RIGID	None	None	RIGID	Typical
121	M121A	N180A	N184A			RIGID	None	None	RIGID	Typical
122	M122A	N178A	N182A			RIGID	None	None	RIGID	Typical
123	M123A	N177A	N181A			RIGID	None	None	RIGID	Typical
124	M124A	N187A	N185A			RIGID	None	None	RIGID	Typical
125	M125A	N188A	N186A			RIGID	None	None	RIGID	Typical
126	M126A	N188A	N159A		180	MOD Corner B...	Column	RECT	A36 Gr.36	Typical
127	M127A	N160A	N173A		180	MOD Corner B...	Column	RECT	A36 Gr.36	Typical
128	M128A	N174A	N187A		180	MOD Corner B...	Column	RECT	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M100						Yes	Default			None
2	M101						Yes	Default			None
3	M102						Yes	Default			None
4	M103						Yes	Default			None
5	M104						Yes	Default			None
6	M105						Yes	** NA **			None
7	M106						Yes	** NA **			None
8	M107	OOOOOX	OOOOOX				Yes	Default			None
9	M108	OOOOOX	OOOOOX				Yes	Default			None
10	M109						Yes	** NA **			None
11	M110						Yes	** NA **			None
12	M111						Yes	** NA **			None
13	M112						Yes	** NA **			None
14	M113						Yes	** NA **			None
15	M114		BenPIN				Yes	** NA **			None
16	M115						Yes	** NA **			None
17	M116		BenPIN				Yes	** NA **			None
18	M117						Yes	** NA **			None
19	M118						Yes	** NA **			None
20	M119		BenPIN				Yes	** NA **			None



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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic..
21	M120						Yes				None
22	M121		BenPIN				Yes	** NA **			None
23	M122						Yes	** NA **			None
24	M123						Yes	** NA **			None
25	M124						Yes	** NA **			None
26	M125						Yes				None
27	M126						Yes				None
28	M127						Yes	Default			None
29	M128						Yes	Default			None
30	M129						Yes	Default			None
31	M130						Yes	** NA **			None
32	M131						Yes	** NA **			None
33	M132	OOOOOX	OOOOOX				Yes	Default			None
34	M133	OOOOOX	OOOOOX				Yes	Default			None
35	M134						Yes	** NA **			None
36	M135						Yes	** NA **			None
37	M136						Yes	** NA **			None
38	M137						Yes	** NA **			None
39	M138						Yes	** NA **			None
40	M139		BenPIN				Yes	** NA **			None
41	M140						Yes				None
42	M141		BenPIN				Yes	** NA **			None
43	M142						Yes	** NA **			None
44	M143						Yes	** NA **			None
45	M144		BenPIN				Yes	** NA **			None
46	M145						Yes				None
47	M146		BenPIN				Yes	** NA **			None
48	M147						Yes	** NA **			None
49	M148						Yes	** NA **			None
50	M149						Yes	** NA **			None
51	M150						Yes				None
52	M151						Yes				None
53	M152						Yes	Default			None
54	M153						Yes	Default			None
55	M154						Yes	Default			None
56	M155						Yes	** NA **			None
57	M156						Yes	** NA **			None
58	M157	OOOOOX	OOOOOX				Yes	Default			None
59	M158	OOOOOX	OOOOOX				Yes	Default			None
60	M159						Yes	** NA **			None
61	M160						Yes	** NA **			None
62	M161						Yes	** NA **			None
63	M162						Yes	** NA **			None
64	M163						Yes	** NA **			None
65	M164		BenPIN				Yes	** NA **			None
66	M165						Yes				None
67	M166		BenPIN				Yes	** NA **			None
68	M167						Yes	** NA **			None
69	M168						Yes	** NA **			None
70	M169		BenPIN				Yes	** NA **			None
71	M170						Yes				None
72	M171		BenPIN				Yes	** NA **			None
73	M172						Yes	** NA **			None
74	M173						Yes	** NA **			None
75	M174						Yes	** NA **			None
76	M175						Yes				None
77	M176						Yes	Default			None



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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat	Analysis ...	Inactive	Seismic...
78	M177						Yes	Default			None
79	MP1A						Yes	** NA **			None
80	MP2A						Yes	** NA **			None
81	MP3A						Yes	** NA **			None
82	MP4A						Yes	** NA **			None
83	M182						Yes	** NA **			None
84	M183						Yes	** NA **			None
85	M184						Yes	** NA **			None
86	M185						Yes	** NA **			None
87	MP1C						Yes	** NA **			None
88	MP2C						Yes	** NA **			None
89	MP3C						Yes	** NA **			None
90	MP4C						Yes	** NA **			None
91	M190						Yes	** NA **			None
92	M191						Yes	** NA **			None
93	M192						Yes	** NA **			None
94	M193						Yes	** NA **			None
95	MP1B						Yes	** NA **			None
96	MP2B						Yes	** NA **			None
97	MP3B						Yes	** NA **			None
98	MP4B						Yes	** NA **			None
99	M198						Yes	** NA **			None
100	M199						Yes	** NA **			None
101	M200						Yes	** NA **			None
102	M201						Yes	** NA **			None
103	M103A						Yes	** NA **			None
104	OVP1						Yes	** NA **			None
105	M105A						Yes	** NA **			None
106	M106A						Yes	** NA **			None
107	M107A						Yes	** NA **			None
108	M108A						Yes	** NA **			None
109	M109A						Yes	** NA **			None
110	M110A		000000				Yes	** NA **			None
111	M111A		000000				Yes	** NA **			None
112	M112A						Yes	** NA **			None
113	M113A						Yes	** NA **			None
114	M114A						Yes	** NA **			None
115	M115A						Yes	** NA **			None
116	M116A						Yes	** NA **			None
117	M117A		000000				Yes	** NA **			None
118	M118A		000000				Yes	** NA **			None
119	M119A						Yes	** NA **			None
120	M120A						Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	M122A						Yes	** NA **			None
123	M123A						Yes	** NA **			None
124	M124A		000000				Yes	** NA **			None
125	M125A		000000				Yes	** NA **			None
126	M126A						Yes	** NA **			None
127	M127A						Yes	** NA **			None
128	M128A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	Y	-32.5	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP2A	My	-.016	.5
3	MP2A	Mz	0	.5
4	MP2A	Y	-32.5	5.5
5	MP2A	My	-.016	5.5
6	MP2A	Mz	0	5.5
7	MP2B	Y	-32.5	.5
8	MP2B	My	.008	.5
9	MP2B	Mz	-.014	.5
10	MP2B	Y	-32.5	5.5
11	MP2B	My	.008	5.5
12	MP2B	Mz	-.014	5.5
13	MP2C	Y	-32.5	.5
14	MP2C	My	.008	.5
15	MP2C	Mz	.014	.5
16	MP2C	Y	-32.5	5.5
17	MP2C	My	.008	5.5
18	MP2C	Mz	.014	5.5
19	MP3A	Y	-32.5	.5
20	MP3A	My	-.016	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	-32.5	5.5
23	MP3A	My	-.016	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	-32.5	.5
26	MP3B	My	.008	.5
27	MP3B	Mz	-.014	.5
28	MP3B	Y	-32.5	5.5
29	MP3B	My	.008	5.5
30	MP3B	Mz	-.014	5.5
31	MP3C	Y	-32.5	.5
32	MP3C	My	.008	.5
33	MP3C	Mz	.014	.5
34	MP3C	Y	-32.5	5.5
35	MP3C	My	.008	5.5
36	MP3C	Mz	.014	5.5
37	MP4A	Y	-43.55	2
38	MP4A	My	-.022	2
39	MP4A	Mz	0	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-.022	4
42	MP4A	Mz	0	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.011	2
45	MP4B	Mz	-.019	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.011	4
48	MP4B	Mz	-.019	4
49	MP4C	Y	-43.55	2
50	MP4C	My	.011	2
51	MP4C	Mz	.019	2
52	MP4C	Y	-43.55	4
53	MP4C	My	.011	4
54	MP4C	Mz	.019	4
55	OVP1	Y	-32	1
56	OVP1	My	0	1
57	OVP1	Mz	0	1
58	MP2A	Y	-84.4	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP2A	My	-.042	1.5
60	MP2A	Mz	0	1.5
61	MP2B	Y	-84.4	1.5
62	MP2B	My	.021	1.5
63	MP2B	Mz	-.037	1.5
64	MP2C	Y	-84.4	1.5
65	MP2C	My	.021	1.5
66	MP2C	Mz	.037	1.5
67	MP3A	Y	-70.3	1.5
68	MP3A	My	.035	1.5
69	MP3A	Mz	0	1.5
70	MP3B	Y	-70.3	1.5
71	MP3B	My	-.018	1.5
72	MP3B	Mz	.03	1.5
73	MP3C	Y	-70.3	1.5
74	MP3C	My	-.018	1.5
75	MP3C	Mz	-.03	1.5
76	MP1A	Y	-13.15	.5
77	MP1A	My	-.007	.5
78	MP1A	Mz	0	.5
79	MP1A	Y	-13.15	5.5
80	MP1A	My	-.007	5.5
81	MP1A	Mz	0	5.5
82	MP1B	Y	-13.15	.5
83	MP1B	My	.003	.5
84	MP1B	Mz	-.006	.5
85	MP1B	Y	-13.15	5.5
86	MP1B	My	.003	5.5
87	MP1B	Mz	-.006	5.5
88	MP1C	Y	-13.15	.5
89	MP1C	My	.003	.5
90	MP1C	Mz	.006	.5
91	MP1C	Y	-13.15	5.5
92	MP1C	My	.003	5.5
93	MP1C	Mz	.006	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	Y	-68.458	.5
2	MP2A	My	-.034	.5
3	MP2A	Mz	0	.5
4	MP2A	Y	-68.458	5.5
5	MP2A	My	-.034	5.5
6	MP2A	Mz	0	5.5
7	MP2B	Y	-68.458	.5
8	MP2B	My	.017	.5
9	MP2B	Mz	-.03	.5
10	MP2B	Y	-68.458	5.5
11	MP2B	My	.017	5.5
12	MP2B	Mz	-.03	5.5
13	MP2C	Y	-68.458	.5
14	MP2C	My	.017	.5
15	MP2C	Mz	.03	.5
16	MP2C	Y	-68.458	5.5
17	MP2C	My	.017	5.5
18	MP2C	Mz	.03	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP3A	Y	-68.458	.5
20	MP3A	My	-.034	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	-68.458	5.5
23	MP3A	My	-.034	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	-68.458	.5
26	MP3B	My	.017	.5
27	MP3B	Mz	-.03	.5
28	MP3B	Y	-68.458	5.5
29	MP3B	My	.017	5.5
30	MP3B	Mz	-.03	5.5
31	MP3C	Y	-68.458	.5
32	MP3C	My	.017	.5
33	MP3C	Mz	.03	.5
34	MP3C	Y	-68.458	5.5
35	MP3C	My	.017	5.5
36	MP3C	Mz	.03	5.5
37	MP4A	Y	-35.371	2
38	MP4A	My	-.018	2
39	MP4A	Mz	0	2
40	MP4A	Y	-35.371	4
41	MP4A	My	-.018	4
42	MP4A	Mz	0	4
43	MP4B	Y	-35.371	2
44	MP4B	My	.009	2
45	MP4B	Mz	-.015	2
46	MP4B	Y	-35.371	4
47	MP4B	My	.009	4
48	MP4B	Mz	-.015	4
49	MP4C	Y	-35.371	2
50	MP4C	My	.009	2
51	MP4C	Mz	.015	2
52	MP4C	Y	-35.371	4
53	MP4C	My	.009	4
54	MP4C	Mz	.015	4
55	OVP1	Y	-87.325	1
56	OVP1	My	0	1
57	OVP1	Mz	0	1
58	MP2A	Y	-44.59	1.5
59	MP2A	My	-.022	1.5
60	MP2A	Mz	0	1.5
61	MP2B	Y	-44.59	1.5
62	MP2B	My	.011	1.5
63	MP2B	Mz	-.019	1.5
64	MP2C	Y	-44.59	1.5
65	MP2C	My	.011	1.5
66	MP2C	Mz	.019	1.5
67	MP3A	Y	-40.098	1.5
68	MP3A	My	.02	1.5
69	MP3A	Mz	0	1.5
70	MP3B	Y	-40.098	1.5
71	MP3B	My	-.01	1.5
72	MP3B	Mz	.017	1.5
73	MP3C	Y	-40.098	1.5
74	MP3C	My	-.01	1.5
75	MP3C	Mz	-.017	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
76	MP1A	Y	-60.726	.5
77	MP1A	My	-.03	.5
78	MP1A	Mz	0	.5
79	MP1A	Y	-60.726	5.5
80	MP1A	My	-.03	5.5
81	MP1A	Mz	0	5.5
82	MP1B	Y	-60.726	.5
83	MP1B	My	.015	.5
84	MP1B	Mz	-.026	.5
85	MP1B	Y	-60.726	5.5
86	MP1B	My	.015	5.5
87	MP1B	Mz	-.026	5.5
88	MP1C	Y	-60.726	.5
89	MP1C	My	.015	.5
90	MP1C	Mz	.026	.5
91	MP1C	Y	-60.726	5.5
92	MP1C	My	.015	5.5
93	MP1C	Mz	.026	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-124.831	.5
3	MP2A	Mx	0	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-124.831	5.5
6	MP2A	Mx	0	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-109.515	.5
9	MP2B	Mx	.047	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-109.515	5.5
12	MP2B	Mx	.047	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-109.515	.5
15	MP2C	Mx	-.047	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-109.515	5.5
18	MP2C	Mx	-.047	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-124.831	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-124.831	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-109.515	.5
27	MP3B	Mx	.047	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-109.515	5.5
30	MP3B	Mx	.047	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-109.515	.5
33	MP3C	Mx	-.047	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-109.515	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP3C	Mx	-.047	5.5
37	MP4A	X	0	2
38	MP4A	Z	-72.165	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-72.165	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-39.231	2
45	MP4B	Mx	.017	2
46	MP4B	X	0	4
47	MP4B	Z	-39.231	4
48	MP4B	Mx	.017	4
49	MP4C	X	0	2
50	MP4C	Z	-39.231	2
51	MP4C	Mx	-.017	2
52	MP4C	X	0	4
53	MP4C	Z	-39.231	4
54	MP4C	Mx	-.017	4
55	OVP1	X	0	1
56	OVP1	Z	-117.288	1
57	OVP1	Mx	0	1
58	MP2A	X	0	1.5
59	MP2A	Z	-57.425	1.5
60	MP2A	Mx	0	1.5
61	MP2B	X	0	1.5
62	MP2B	Z	-43.146	1.5
63	MP2B	Mx	.019	1.5
64	MP2C	X	0	1.5
65	MP2C	Z	-43.146	1.5
66	MP2C	Mx	-.019	1.5
67	MP3A	X	0	1.5
68	MP3A	Z	-57.425	1.5
69	MP3A	Mx	0	1.5
70	MP3B	X	0	1.5
71	MP3B	Z	-37.676	1.5
72	MP3B	Mx	-.016	1.5
73	MP3C	X	0	1.5
74	MP3C	Z	-37.676	1.5
75	MP3C	Mx	.016	1.5
76	MP1A	X	0	.5
77	MP1A	Z	-125.445	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-125.445	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-93.608	.5
84	MP1B	Mx	.041	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-93.608	5.5
87	MP1B	Mx	.041	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-93.608	.5
90	MP1C	Mx	-.041	.5
91	MP1C	X	0	5.5
92	MP1C	Z	-93.608	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
93	MP1C	Mx	-.041	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	59.863	.5
2	MP2A	Z	-103.685	.5
3	MP2A	Mx	-.03	.5
4	MP2A	X	59.863	5.5
5	MP2A	Z	-103.685	5.5
6	MP2A	Mx	-.03	5.5
7	MP2B	X	52.205	.5
8	MP2B	Z	-90.421	.5
9	MP2B	Mx	.052	.5
10	MP2B	X	52.205	5.5
11	MP2B	Z	-90.421	5.5
12	MP2B	Mx	.052	5.5
13	MP2C	X	59.863	.5
14	MP2C	Z	-103.685	.5
15	MP2C	Mx	-.03	.5
16	MP2C	X	59.863	5.5
17	MP2C	Z	-103.685	5.5
18	MP2C	Mx	-.03	5.5
19	MP3A	X	59.863	.5
20	MP3A	Z	-103.685	.5
21	MP3A	Mx	-.03	.5
22	MP3A	X	59.863	5.5
23	MP3A	Z	-103.685	5.5
24	MP3A	Mx	-.03	5.5
25	MP3B	X	52.205	.5
26	MP3B	Z	-90.421	.5
27	MP3B	Mx	.052	.5
28	MP3B	X	52.205	5.5
29	MP3B	Z	-90.421	5.5
30	MP3B	Mx	.052	5.5
31	MP3C	X	59.863	.5
32	MP3C	Z	-103.685	.5
33	MP3C	Mx	-.03	.5
34	MP3C	X	59.863	5.5
35	MP3C	Z	-103.685	5.5
36	MP3C	Mx	-.03	5.5
37	MP4A	X	30.594	2
38	MP4A	Z	-52.99	2
39	MP4A	Mx	-.015	2
40	MP4A	X	30.594	4
41	MP4A	Z	-52.99	4
42	MP4A	Mx	-.015	4
43	MP4B	X	14.126	2
44	MP4B	Z	-24.467	2
45	MP4B	Mx	.014	2
46	MP4B	X	14.126	4
47	MP4B	Z	-24.467	4
48	MP4B	Mx	.014	4
49	MP4C	X	30.594	2
50	MP4C	Z	-52.99	2
51	MP4C	Mx	-.015	2
52	MP4C	X	30.594	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP4C	Z	-52.99	4
54	MP4C	Mx	-.015	4
55	OVP1	X	51.255	1
56	OVP1	Z	-88.776	1
57	OVP1	Mx	0	1
58	MP2A	X	26.333	1.5
59	MP2A	Z	-45.61	1.5
60	MP2A	Mx	-.013	1.5
61	MP2B	X	19.193	1.5
62	MP2B	Z	-33.243	1.5
63	MP2B	Mx	.019	1.5
64	MP2C	X	26.333	1.5
65	MP2C	Z	-45.61	1.5
66	MP2C	Mx	-.013	1.5
67	MP3A	X	25.421	1.5
68	MP3A	Z	-44.03	1.5
69	MP3A	Mx	.013	1.5
70	MP3B	X	15.546	1.5
71	MP3B	Z	-26.927	1.5
72	MP3B	Mx	-.016	1.5
73	MP3C	X	25.421	1.5
74	MP3C	Z	-44.03	1.5
75	MP3C	Mx	.013	1.5
76	MP1A	X	57.416	.5
77	MP1A	Z	-99.448	.5
78	MP1A	Mx	-.029	.5
79	MP1A	X	57.416	5.5
80	MP1A	Z	-99.448	5.5
81	MP1A	Mx	-.029	5.5
82	MP1B	X	41.498	.5
83	MP1B	Z	-71.877	.5
84	MP1B	Mx	.041	.5
85	MP1B	X	41.498	5.5
86	MP1B	Z	-71.877	5.5
87	MP1B	Mx	.041	5.5
88	MP1C	X	57.416	.5
89	MP1C	Z	-99.448	.5
90	MP1C	Mx	-.029	.5
91	MP1C	X	57.416	5.5
92	MP1C	Z	-99.448	5.5
93	MP1C	Mx	-.029	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	94.843	.5
2	MP2A	Z	-54.757	.5
3	MP2A	Mx	-.047	.5
4	MP2A	X	94.843	5.5
5	MP2A	Z	-54.757	5.5
6	MP2A	Mx	-.047	5.5
7	MP2B	X	94.843	.5
8	MP2B	Z	-54.757	.5
9	MP2B	Mx	.047	.5
10	MP2B	X	94.843	5.5
11	MP2B	Z	-54.757	5.5
12	MP2B	Mx	.047	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	108.107	.5
14	MP2C	Z	-62.415	.5
15	MP2C	Mx	0	.5
16	MP2C	X	108.107	5.5
17	MP2C	Z	-62.415	5.5
18	MP2C	Mx	0	5.5
19	MP3A	X	94.843	.5
20	MP3A	Z	-54.757	.5
21	MP3A	Mx	-.047	.5
22	MP3A	X	94.843	5.5
23	MP3A	Z	-54.757	5.5
24	MP3A	Mx	-.047	5.5
25	MP3B	X	94.843	.5
26	MP3B	Z	-54.757	.5
27	MP3B	Mx	.047	.5
28	MP3B	X	94.843	5.5
29	MP3B	Z	-54.757	5.5
30	MP3B	Mx	.047	5.5
31	MP3C	X	108.107	.5
32	MP3C	Z	-62.415	.5
33	MP3C	Mx	0	.5
34	MP3C	X	108.107	5.5
35	MP3C	Z	-62.415	5.5
36	MP3C	Mx	0	5.5
37	MP4A	X	33.975	2
38	MP4A	Z	-19.615	2
39	MP4A	Mx	-.017	2
40	MP4A	X	33.975	4
41	MP4A	Z	-19.615	4
42	MP4A	Mx	-.017	4
43	MP4B	X	33.975	2
44	MP4B	Z	-19.615	2
45	MP4B	Mx	.017	2
46	MP4B	X	33.975	4
47	MP4B	Z	-19.615	4
48	MP4B	Mx	.017	4
49	MP4C	X	62.497	2
50	MP4C	Z	-36.083	2
51	MP4C	Mx	0	2
52	MP4C	X	62.497	4
53	MP4C	Z	-36.083	4
54	MP4C	Mx	0	4
55	OVP1	X	82.376	1
56	OVP1	Z	-47.56	1
57	OVP1	Mx	0	1
58	MP2A	X	37.365	1.5
59	MP2A	Z	-21.573	1.5
60	MP2A	Mx	-.019	1.5
61	MP2B	X	37.365	1.5
62	MP2B	Z	-21.573	1.5
63	MP2B	Mx	.019	1.5
64	MP2C	X	49.732	1.5
65	MP2C	Z	-28.713	1.5
66	MP2C	Mx	0	1.5
67	MP3A	X	32.628	1.5
68	MP3A	Z	-18.838	1.5
69	MP3A	Mx	.016	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
70	MP3B	X	32.628	1.5
71	MP3B	Z	-18.838	1.5
72	MP3B	Mx	-.016	1.5
73	MP3C	X	49.732	1.5
74	MP3C	Z	-28.713	1.5
75	MP3C	Mx	0	1.5
76	MP1A	X	81.067	.5
77	MP1A	Z	-46.804	.5
78	MP1A	Mx	-.041	.5
79	MP1A	X	81.067	5.5
80	MP1A	Z	-46.804	5.5
81	MP1A	Mx	-.041	5.5
82	MP1B	X	81.067	.5
83	MP1B	Z	-46.804	.5
84	MP1B	Mx	.041	.5
85	MP1B	X	81.067	5.5
86	MP1B	Z	-46.804	5.5
87	MP1B	Mx	.041	5.5
88	MP1C	X	108.638	.5
89	MP1C	Z	-62.722	.5
90	MP1C	Mx	0	.5
91	MP1C	X	108.638	5.5
92	MP1C	Z	-62.722	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	104.409	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.052	.5
4	MP2A	X	104.409	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.052	5.5
7	MP2B	X	119.725	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.03	.5
10	MP2B	X	119.725	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.03	5.5
13	MP2C	X	119.725	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.03	.5
16	MP2C	X	119.725	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.03	5.5
19	MP3A	X	104.409	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.052	.5
22	MP3A	X	104.409	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.052	5.5
25	MP3B	X	119.725	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.03	.5
28	MP3B	X	119.725	5.5
29	MP3B	Z	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP3B	Mx	.03	5.5
31	MP3C	X	119.725	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.03	.5
34	MP3C	X	119.725	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.03	5.5
37	MP4A	X	28.253	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.014	2
40	MP4A	X	28.253	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.014	4
43	MP4B	X	61.187	2
44	MP4B	Z	0	2
45	MP4B	Mx	.015	2
46	MP4B	X	61.187	4
47	MP4B	Z	0	4
48	MP4B	Mx	.015	4
49	MP4C	X	61.187	2
50	MP4C	Z	0	2
51	MP4C	Mx	.015	2
52	MP4C	X	61.187	4
53	MP4C	Z	0	4
54	MP4C	Mx	.015	4
55	OVP1	X	102.509	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	38.386	1.5
59	MP2A	Z	0	1.5
60	MP2A	Mx	-.019	1.5
61	MP2B	X	52.665	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	.013	1.5
64	MP2C	X	52.665	1.5
65	MP2C	Z	0	1.5
66	MP2C	Mx	.013	1.5
67	MP3A	X	31.093	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	.016	1.5
70	MP3B	X	50.842	1.5
71	MP3B	Z	0	1.5
72	MP3B	Mx	-.013	1.5
73	MP3C	X	50.842	1.5
74	MP3C	Z	0	1.5
75	MP3C	Mx	-.013	1.5
76	MP1A	X	82.996	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.041	.5
79	MP1A	X	82.996	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.041	5.5
82	MP1B	X	114.833	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.029	.5
85	MP1B	X	114.833	5.5
86	MP1B	Z	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
87	MP1B	Mx	.029	5.5
88	MP1C	X	114.833	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.029	.5
91	MP1C	X	114.833	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.029	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	94.843	.5
2	MP2A	Z	54.757	.5
3	MP2A	Mx	-.047	.5
4	MP2A	X	94.843	5.5
5	MP2A	Z	54.757	5.5
6	MP2A	Mx	-.047	5.5
7	MP2B	X	108.107	.5
8	MP2B	Z	62.415	.5
9	MP2B	Mx	0	.5
10	MP2B	X	108.107	5.5
11	MP2B	Z	62.415	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	94.843	.5
14	MP2C	Z	54.757	.5
15	MP2C	Mx	.047	.5
16	MP2C	X	94.843	5.5
17	MP2C	Z	54.757	5.5
18	MP2C	Mx	.047	5.5
19	MP3A	X	94.843	.5
20	MP3A	Z	54.757	.5
21	MP3A	Mx	-.047	.5
22	MP3A	X	94.843	5.5
23	MP3A	Z	54.757	5.5
24	MP3A	Mx	-.047	5.5
25	MP3B	X	108.107	.5
26	MP3B	Z	62.415	.5
27	MP3B	Mx	0	.5
28	MP3B	X	108.107	5.5
29	MP3B	Z	62.415	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	94.843	.5
32	MP3C	Z	54.757	.5
33	MP3C	Mx	.047	.5
34	MP3C	X	94.843	5.5
35	MP3C	Z	54.757	5.5
36	MP3C	Mx	.047	5.5
37	MP4A	X	33.975	2
38	MP4A	Z	19.615	2
39	MP4A	Mx	-.017	2
40	MP4A	X	33.975	4
41	MP4A	Z	19.615	4
42	MP4A	Mx	-.017	4
43	MP4B	X	62.497	2
44	MP4B	Z	36.083	2
45	MP4B	Mx	0	2
46	MP4B	X	62.497	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
47	MP4B	Z	36.083	4
48	MP4B	Mx	0	4
49	MP4C	X	33.975	2
50	MP4C	Z	19.615	2
51	MP4C	Mx	.017	2
52	MP4C	X	33.975	4
53	MP4C	Z	19.615	4
54	MP4C	Mx	.017	4
55	OVP1	X	101.574	1
56	OVP1	Z	58.644	1
57	OVP1	Mx	0	1
58	MP2A	X	37.365	1.5
59	MP2A	Z	21.573	1.5
60	MP2A	Mx	-.019	1.5
61	MP2B	X	49.732	1.5
62	MP2B	Z	28.713	1.5
63	MP2B	Mx	0	1.5
64	MP2C	X	37.365	1.5
65	MP2C	Z	21.573	1.5
66	MP2C	Mx	.019	1.5
67	MP3A	X	32.628	1.5
68	MP3A	Z	18.838	1.5
69	MP3A	Mx	.016	1.5
70	MP3B	X	49.732	1.5
71	MP3B	Z	28.713	1.5
72	MP3B	Mx	0	1.5
73	MP3C	X	32.628	1.5
74	MP3C	Z	18.838	1.5
75	MP3C	Mx	-.016	1.5
76	MP1A	X	81.067	.5
77	MP1A	Z	46.804	.5
78	MP1A	Mx	-.041	.5
79	MP1A	X	81.067	5.5
80	MP1A	Z	46.804	5.5
81	MP1A	Mx	-.041	5.5
82	MP1B	X	108.638	.5
83	MP1B	Z	62.722	.5
84	MP1B	Mx	0	.5
85	MP1B	X	108.638	5.5
86	MP1B	Z	62.722	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	81.067	.5
89	MP1C	Z	46.804	.5
90	MP1C	Mx	.041	.5
91	MP1C	X	81.067	5.5
92	MP1C	Z	46.804	5.5
93	MP1C	Mx	.041	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	59.863	.5
2	MP2A	Z	103.685	.5
3	MP2A	Mx	-.03	.5
4	MP2A	X	59.863	5.5
5	MP2A	Z	103.685	5.5
6	MP2A	Mx	-.03	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP2B	X	59.863	.5
8	MP2B	Z	103.685	.5
9	MP2B	Mx	-.03	.5
10	MP2B	X	59.863	5.5
11	MP2B	Z	103.685	5.5
12	MP2B	Mx	-.03	5.5
13	MP2C	X	52.205	.5
14	MP2C	Z	90.421	.5
15	MP2C	Mx	.052	.5
16	MP2C	X	52.205	5.5
17	MP2C	Z	90.421	5.5
18	MP2C	Mx	.052	5.5
19	MP3A	X	59.863	.5
20	MP3A	Z	103.685	.5
21	MP3A	Mx	-.03	.5
22	MP3A	X	59.863	5.5
23	MP3A	Z	103.685	5.5
24	MP3A	Mx	-.03	5.5
25	MP3B	X	59.863	.5
26	MP3B	Z	103.685	.5
27	MP3B	Mx	-.03	.5
28	MP3B	X	59.863	5.5
29	MP3B	Z	103.685	5.5
30	MP3B	Mx	-.03	5.5
31	MP3C	X	52.205	.5
32	MP3C	Z	90.421	.5
33	MP3C	Mx	.052	.5
34	MP3C	X	52.205	5.5
35	MP3C	Z	90.421	5.5
36	MP3C	Mx	.052	5.5
37	MP4A	X	30.594	2
38	MP4A	Z	52.99	2
39	MP4A	Mx	-.015	2
40	MP4A	X	30.594	4
41	MP4A	Z	52.99	4
42	MP4A	Mx	-.015	4
43	MP4B	X	30.594	2
44	MP4B	Z	52.99	2
45	MP4B	Mx	-.015	2
46	MP4B	X	30.594	4
47	MP4B	Z	52.99	4
48	MP4B	Mx	-.015	4
49	MP4C	X	14.126	2
50	MP4C	Z	24.467	2
51	MP4C	Mx	.014	2
52	MP4C	X	14.126	4
53	MP4C	Z	24.467	4
54	MP4C	Mx	.014	4
55	OVP1	X	62.339	1
56	OVP1	Z	107.974	1
57	OVP1	Mx	0	1
58	MP2A	X	26.333	1.5
59	MP2A	Z	45.61	1.5
60	MP2A	Mx	-.013	1.5
61	MP2B	X	26.333	1.5
62	MP2B	Z	45.61	1.5
63	MP2B	Mx	-.013	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP2C	X	19.193	1.5
65	MP2C	Z	33.243	1.5
66	MP2C	Mx	.019	1.5
67	MP3A	X	25.421	1.5
68	MP3A	Z	44.03	1.5
69	MP3A	Mx	.013	1.5
70	MP3B	X	25.421	1.5
71	MP3B	Z	44.03	1.5
72	MP3B	Mx	.013	1.5
73	MP3C	X	15.546	1.5
74	MP3C	Z	26.927	1.5
75	MP3C	Mx	-.016	1.5
76	MP1A	X	57.416	.5
77	MP1A	Z	99.448	.5
78	MP1A	Mx	-.029	.5
79	MP1A	X	57.416	5.5
80	MP1A	Z	99.448	5.5
81	MP1A	Mx	-.029	5.5
82	MP1B	X	57.416	.5
83	MP1B	Z	99.448	.5
84	MP1B	Mx	-.029	.5
85	MP1B	X	57.416	5.5
86	MP1B	Z	99.448	5.5
87	MP1B	Mx	-.029	5.5
88	MP1C	X	41.498	.5
89	MP1C	Z	71.877	.5
90	MP1C	Mx	.041	.5
91	MP1C	X	41.498	5.5
92	MP1C	Z	71.877	5.5
93	MP1C	Mx	.041	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	124.831	.5
3	MP2A	Mx	0	.5
4	MP2A	X	0	5.5
5	MP2A	Z	124.831	5.5
6	MP2A	Mx	0	5.5
7	MP2B	X	0	.5
8	MP2B	Z	109.515	.5
9	MP2B	Mx	-.047	.5
10	MP2B	X	0	5.5
11	MP2B	Z	109.515	5.5
12	MP2B	Mx	-.047	5.5
13	MP2C	X	0	.5
14	MP2C	Z	109.515	.5
15	MP2C	Mx	.047	.5
16	MP2C	X	0	5.5
17	MP2C	Z	109.515	5.5
18	MP2C	Mx	.047	5.5
19	MP3A	X	0	.5
20	MP3A	Z	124.831	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	124.831	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	109.515	.5
27	MP3B	Mx	-.047	.5
28	MP3B	X	0	5.5
29	MP3B	Z	109.515	5.5
30	MP3B	Mx	-.047	5.5
31	MP3C	X	0	.5
32	MP3C	Z	109.515	.5
33	MP3C	Mx	.047	.5
34	MP3C	X	0	5.5
35	MP3C	Z	109.515	5.5
36	MP3C	Mx	.047	5.5
37	MP4A	X	0	2
38	MP4A	Z	72.165	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	72.165	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	39.231	2
45	MP4B	Mx	-.017	2
46	MP4B	X	0	4
47	MP4B	Z	39.231	4
48	MP4B	Mx	-.017	4
49	MP4C	X	0	2
50	MP4C	Z	39.231	2
51	MP4C	Mx	.017	2
52	MP4C	X	0	4
53	MP4C	Z	39.231	4
54	MP4C	Mx	.017	4
55	OVP1	X	0	1
56	OVP1	Z	117.288	1
57	OVP1	Mx	0	1
58	MP2A	X	0	1.5
59	MP2A	Z	57.425	1.5
60	MP2A	Mx	0	1.5
61	MP2B	X	0	1.5
62	MP2B	Z	43.146	1.5
63	MP2B	Mx	-.019	1.5
64	MP2C	X	0	1.5
65	MP2C	Z	43.146	1.5
66	MP2C	Mx	.019	1.5
67	MP3A	X	0	1.5
68	MP3A	Z	57.425	1.5
69	MP3A	Mx	0	1.5
70	MP3B	X	0	1.5
71	MP3B	Z	37.676	1.5
72	MP3B	Mx	.016	1.5
73	MP3C	X	0	1.5
74	MP3C	Z	37.676	1.5
75	MP3C	Mx	-.016	1.5
76	MP1A	X	0	.5
77	MP1A	Z	125.445	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	125.445	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	93.608	.5
84	MP1B	Mx	-.041	.5
85	MP1B	X	0	5.5
86	MP1B	Z	93.608	5.5
87	MP1B	Mx	-.041	5.5
88	MP1C	X	0	.5
89	MP1C	Z	93.608	.5
90	MP1C	Mx	.041	.5
91	MP1C	X	0	5.5
92	MP1C	Z	93.608	5.5
93	MP1C	Mx	.041	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP2A	X	-59.863	.5
2	MP2A	Z	103.685	.5
3	MP2A	Mx	.03	.5
4	MP2A	X	-59.863	5.5
5	MP2A	Z	103.685	5.5
6	MP2A	Mx	.03	5.5
7	MP2B	X	-52.205	.5
8	MP2B	Z	90.421	.5
9	MP2B	Mx	-.052	.5
10	MP2B	X	-52.205	5.5
11	MP2B	Z	90.421	5.5
12	MP2B	Mx	-.052	5.5
13	MP2C	X	-59.863	.5
14	MP2C	Z	103.685	.5
15	MP2C	Mx	.03	.5
16	MP2C	X	-59.863	5.5
17	MP2C	Z	103.685	5.5
18	MP2C	Mx	.03	5.5
19	MP3A	X	-59.863	.5
20	MP3A	Z	103.685	.5
21	MP3A	Mx	.03	.5
22	MP3A	X	-59.863	5.5
23	MP3A	Z	103.685	5.5
24	MP3A	Mx	.03	5.5
25	MP3B	X	-52.205	.5
26	MP3B	Z	90.421	.5
27	MP3B	Mx	-.052	.5
28	MP3B	X	-52.205	5.5
29	MP3B	Z	90.421	5.5
30	MP3B	Mx	-.052	5.5
31	MP3C	X	-59.863	.5
32	MP3C	Z	103.685	.5
33	MP3C	Mx	.03	.5
34	MP3C	X	-59.863	5.5
35	MP3C	Z	103.685	5.5
36	MP3C	Mx	.03	5.5
37	MP4A	X	-30.594	2
38	MP4A	Z	52.99	2
39	MP4A	Mx	.015	2
40	MP4A	X	-30.594	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	52.99	4
42	MP4A	Mx	.015	4
43	MP4B	X	-14.126	2
44	MP4B	Z	24.467	2
45	MP4B	Mx	-.014	2
46	MP4B	X	-14.126	4
47	MP4B	Z	24.467	4
48	MP4B	Mx	-.014	4
49	MP4C	X	-30.594	2
50	MP4C	Z	52.99	2
51	MP4C	Mx	.015	2
52	MP4C	X	-30.594	4
53	MP4C	Z	52.99	4
54	MP4C	Mx	.015	4
55	OVP1	X	-51.255	1
56	OVP1	Z	88.776	1
57	OVP1	Mx	0	1
58	MP2A	X	-26.333	1.5
59	MP2A	Z	45.61	1.5
60	MP2A	Mx	.013	1.5
61	MP2B	X	-19.193	1.5
62	MP2B	Z	33.243	1.5
63	MP2B	Mx	-.019	1.5
64	MP2C	X	-26.333	1.5
65	MP2C	Z	45.61	1.5
66	MP2C	Mx	.013	1.5
67	MP3A	X	-25.421	1.5
68	MP3A	Z	44.03	1.5
69	MP3A	Mx	-.013	1.5
70	MP3B	X	-15.546	1.5
71	MP3B	Z	26.927	1.5
72	MP3B	Mx	.016	1.5
73	MP3C	X	-25.421	1.5
74	MP3C	Z	44.03	1.5
75	MP3C	Mx	-.013	1.5
76	MP1A	X	-57.416	.5
77	MP1A	Z	99.448	.5
78	MP1A	Mx	.029	.5
79	MP1A	X	-57.416	5.5
80	MP1A	Z	99.448	5.5
81	MP1A	Mx	.029	5.5
82	MP1B	X	-41.498	.5
83	MP1B	Z	71.877	.5
84	MP1B	Mx	-.041	.5
85	MP1B	X	-41.498	5.5
86	MP1B	Z	71.877	5.5
87	MP1B	Mx	-.041	5.5
88	MP1C	X	-57.416	.5
89	MP1C	Z	99.448	.5
90	MP1C	Mx	.029	.5
91	MP1C	X	-57.416	5.5
92	MP1C	Z	99.448	5.5
93	MP1C	Mx	.029	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-94.843	.5
2	MP2A	Z	54.757	.5
3	MP2A	Mx	.047	.5
4	MP2A	X	-94.843	5.5
5	MP2A	Z	54.757	5.5
6	MP2A	Mx	.047	5.5
7	MP2B	X	-94.843	.5
8	MP2B	Z	54.757	.5
9	MP2B	Mx	-.047	.5
10	MP2B	X	-94.843	5.5
11	MP2B	Z	54.757	5.5
12	MP2B	Mx	-.047	5.5
13	MP2C	X	-108.107	.5
14	MP2C	Z	62.415	.5
15	MP2C	Mx	0	.5
16	MP2C	X	-108.107	5.5
17	MP2C	Z	62.415	5.5
18	MP2C	Mx	0	5.5
19	MP3A	X	-94.843	.5
20	MP3A	Z	54.757	.5
21	MP3A	Mx	.047	.5
22	MP3A	X	-94.843	5.5
23	MP3A	Z	54.757	5.5
24	MP3A	Mx	.047	5.5
25	MP3B	X	-94.843	.5
26	MP3B	Z	54.757	.5
27	MP3B	Mx	-.047	.5
28	MP3B	X	-94.843	5.5
29	MP3B	Z	54.757	5.5
30	MP3B	Mx	-.047	5.5
31	MP3C	X	-108.107	.5
32	MP3C	Z	62.415	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-108.107	5.5
35	MP3C	Z	62.415	5.5
36	MP3C	Mx	0	5.5
37	MP4A	X	-33.975	2
38	MP4A	Z	19.615	2
39	MP4A	Mx	.017	2
40	MP4A	X	-33.975	4
41	MP4A	Z	19.615	4
42	MP4A	Mx	.017	4
43	MP4B	X	-33.975	2
44	MP4B	Z	19.615	2
45	MP4B	Mx	-.017	2
46	MP4B	X	-33.975	4
47	MP4B	Z	19.615	4
48	MP4B	Mx	-.017	4
49	MP4C	X	-62.497	2
50	MP4C	Z	36.083	2
51	MP4C	Mx	0	2
52	MP4C	X	-62.497	4
53	MP4C	Z	36.083	4
54	MP4C	Mx	0	4
55	OVP1	X	-82.376	1
56	OVP1	Z	47.56	1
57	OVP1	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP2A	X	-37.365	1.5
59	MP2A	Z	21.573	1.5
60	MP2A	Mx	.019	1.5
61	MP2B	X	-37.365	1.5
62	MP2B	Z	21.573	1.5
63	MP2B	Mx	-.019	1.5
64	MP2C	X	-49.732	1.5
65	MP2C	Z	28.713	1.5
66	MP2C	Mx	0	1.5
67	MP3A	X	-32.628	1.5
68	MP3A	Z	18.838	1.5
69	MP3A	Mx	-.016	1.5
70	MP3B	X	-32.628	1.5
71	MP3B	Z	18.838	1.5
72	MP3B	Mx	.016	1.5
73	MP3C	X	-49.732	1.5
74	MP3C	Z	28.713	1.5
75	MP3C	Mx	0	1.5
76	MP1A	X	-81.067	.5
77	MP1A	Z	46.804	.5
78	MP1A	Mx	.041	.5
79	MP1A	X	-81.067	5.5
80	MP1A	Z	46.804	5.5
81	MP1A	Mx	.041	5.5
82	MP1B	X	-81.067	.5
83	MP1B	Z	46.804	.5
84	MP1B	Mx	-.041	.5
85	MP1B	X	-81.067	5.5
86	MP1B	Z	46.804	5.5
87	MP1B	Mx	-.041	5.5
88	MP1C	X	-108.638	.5
89	MP1C	Z	62.722	.5
90	MP1C	Mx	0	.5
91	MP1C	X	-108.638	5.5
92	MP1C	Z	62.722	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-104.409	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.052	.5
4	MP2A	X	-104.409	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.052	5.5
7	MP2B	X	-119.725	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.03	.5
10	MP2B	X	-119.725	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.03	5.5
13	MP2C	X	-119.725	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.03	.5
16	MP2C	X	-119.725	5.5
17	MP2C	Z	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP2C	Mx	-.03	5.5
19	MP3A	X	-104.409	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.052	.5
22	MP3A	X	-104.409	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.052	5.5
25	MP3B	X	-119.725	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.03	.5
28	MP3B	X	-119.725	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.03	5.5
31	MP3C	X	-119.725	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.03	.5
34	MP3C	X	-119.725	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.03	5.5
37	MP4A	X	-28.253	2
38	MP4A	Z	0	2
39	MP4A	Mx	.014	2
40	MP4A	X	-28.253	4
41	MP4A	Z	0	4
42	MP4A	Mx	.014	4
43	MP4B	X	-61.187	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.015	2
46	MP4B	X	-61.187	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.015	4
49	MP4C	X	-61.187	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.015	2
52	MP4C	X	-61.187	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.015	4
55	OVP1	X	-102.509	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	-38.386	1.5
59	MP2A	Z	0	1.5
60	MP2A	Mx	.019	1.5
61	MP2B	X	-52.665	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	-.013	1.5
64	MP2C	X	-52.665	1.5
65	MP2C	Z	0	1.5
66	MP2C	Mx	-.013	1.5
67	MP3A	X	-31.093	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	-.016	1.5
70	MP3B	X	-50.842	1.5
71	MP3B	Z	0	1.5
72	MP3B	Mx	.013	1.5
73	MP3C	X	-50.842	1.5
74	MP3C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
75	MP3C	Mx	.013	1.5
76	MP1A	X	-82.996	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.041	.5
79	MP1A	X	-82.996	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.041	5.5
82	MP1B	X	-114.833	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.029	.5
85	MP1B	X	-114.833	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.029	5.5
88	MP1C	X	-114.833	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.029	.5
91	MP1C	X	-114.833	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.029	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-94.843	.5
2	MP2A	Z	-54.757	.5
3	MP2A	Mx	.047	.5
4	MP2A	X	-94.843	5.5
5	MP2A	Z	-54.757	5.5
6	MP2A	Mx	.047	5.5
7	MP2B	X	-108.107	.5
8	MP2B	Z	-62.415	.5
9	MP2B	Mx	0	.5
10	MP2B	X	-108.107	5.5
11	MP2B	Z	-62.415	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	-94.843	.5
14	MP2C	Z	-54.757	.5
15	MP2C	Mx	-.047	.5
16	MP2C	X	-94.843	5.5
17	MP2C	Z	-54.757	5.5
18	MP2C	Mx	-.047	5.5
19	MP3A	X	-94.843	.5
20	MP3A	Z	-54.757	.5
21	MP3A	Mx	.047	.5
22	MP3A	X	-94.843	5.5
23	MP3A	Z	-54.757	5.5
24	MP3A	Mx	.047	5.5
25	MP3B	X	-108.107	.5
26	MP3B	Z	-62.415	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-108.107	5.5
29	MP3B	Z	-62.415	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-94.843	.5
32	MP3C	Z	-54.757	.5
33	MP3C	Mx	-.047	.5
34	MP3C	X	-94.843	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP3C	Z	-54.757	5.5
36	MP3C	Mx	-.047	5.5
37	MP4A	X	-33.975	2
38	MP4A	Z	-19.615	2
39	MP4A	Mx	.017	2
40	MP4A	X	-33.975	4
41	MP4A	Z	-19.615	4
42	MP4A	Mx	.017	4
43	MP4B	X	-62.497	2
44	MP4B	Z	-36.083	2
45	MP4B	Mx	0	2
46	MP4B	X	-62.497	4
47	MP4B	Z	-36.083	4
48	MP4B	Mx	0	4
49	MP4C	X	-33.975	2
50	MP4C	Z	-19.615	2
51	MP4C	Mx	-.017	2
52	MP4C	X	-33.975	4
53	MP4C	Z	-19.615	4
54	MP4C	Mx	-.017	4
55	OVP1	X	-101.574	1
56	OVP1	Z	-58.644	1
57	OVP1	Mx	0	1
58	MP2A	X	-37.365	1.5
59	MP2A	Z	-21.573	1.5
60	MP2A	Mx	.019	1.5
61	MP2B	X	-49.732	1.5
62	MP2B	Z	-28.713	1.5
63	MP2B	Mx	0	1.5
64	MP2C	X	-37.365	1.5
65	MP2C	Z	-21.573	1.5
66	MP2C	Mx	-.019	1.5
67	MP3A	X	-32.628	1.5
68	MP3A	Z	-18.838	1.5
69	MP3A	Mx	-.016	1.5
70	MP3B	X	-49.732	1.5
71	MP3B	Z	-28.713	1.5
72	MP3B	Mx	0	1.5
73	MP3C	X	-32.628	1.5
74	MP3C	Z	-18.838	1.5
75	MP3C	Mx	.016	1.5
76	MP1A	X	-81.067	.5
77	MP1A	Z	-46.804	.5
78	MP1A	Mx	.041	.5
79	MP1A	X	-81.067	5.5
80	MP1A	Z	-46.804	5.5
81	MP1A	Mx	.041	5.5
82	MP1B	X	-108.638	.5
83	MP1B	Z	-62.722	.5
84	MP1B	Mx	0	.5
85	MP1B	X	-108.638	5.5
86	MP1B	Z	-62.722	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	-81.067	.5
89	MP1C	Z	-46.804	.5
90	MP1C	Mx	-.041	.5
91	MP1C	X	-81.067	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP1C	Z	-46.804	5.5
93	MP1C	Mx	-.041	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-59.863	.5
2	MP2A	Z	-103.685	.5
3	MP2A	Mx	.03	.5
4	MP2A	X	-59.863	5.5
5	MP2A	Z	-103.685	5.5
6	MP2A	Mx	.03	5.5
7	MP2B	X	-59.863	.5
8	MP2B	Z	-103.685	.5
9	MP2B	Mx	.03	.5
10	MP2B	X	-59.863	5.5
11	MP2B	Z	-103.685	5.5
12	MP2B	Mx	.03	5.5
13	MP2C	X	-52.205	.5
14	MP2C	Z	-90.421	.5
15	MP2C	Mx	-.052	.5
16	MP2C	X	-52.205	5.5
17	MP2C	Z	-90.421	5.5
18	MP2C	Mx	-.052	5.5
19	MP3A	X	-59.863	.5
20	MP3A	Z	-103.685	.5
21	MP3A	Mx	.03	.5
22	MP3A	X	-59.863	5.5
23	MP3A	Z	-103.685	5.5
24	MP3A	Mx	.03	5.5
25	MP3B	X	-59.863	.5
26	MP3B	Z	-103.685	.5
27	MP3B	Mx	.03	.5
28	MP3B	X	-59.863	5.5
29	MP3B	Z	-103.685	5.5
30	MP3B	Mx	.03	5.5
31	MP3C	X	-52.205	.5
32	MP3C	Z	-90.421	.5
33	MP3C	Mx	-.052	.5
34	MP3C	X	-52.205	5.5
35	MP3C	Z	-90.421	5.5
36	MP3C	Mx	-.052	5.5
37	MP4A	X	-30.594	2
38	MP4A	Z	-52.99	2
39	MP4A	Mx	.015	2
40	MP4A	X	-30.594	4
41	MP4A	Z	-52.99	4
42	MP4A	Mx	.015	4
43	MP4B	X	-30.594	2
44	MP4B	Z	-52.99	2
45	MP4B	Mx	.015	2
46	MP4B	X	-30.594	4
47	MP4B	Z	-52.99	4
48	MP4B	Mx	.015	4
49	MP4C	X	-14.126	2
50	MP4C	Z	-24.467	2
51	MP4C	Mx	-.014	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP4C	X	-14.126	4
53	MP4C	Z	-24.467	4
54	MP4C	Mx	-.014	4
55	OVP1	X	-62.339	1
56	OVP1	Z	-107.974	1
57	OVP1	Mx	0	1
58	MP2A	X	-26.333	1.5
59	MP2A	Z	-45.61	1.5
60	MP2A	Mx	.013	1.5
61	MP2B	X	-26.333	1.5
62	MP2B	Z	-45.61	1.5
63	MP2B	Mx	.013	1.5
64	MP2C	X	-19.193	1.5
65	MP2C	Z	-33.243	1.5
66	MP2C	Mx	-.019	1.5
67	MP3A	X	-25.421	1.5
68	MP3A	Z	-44.03	1.5
69	MP3A	Mx	-.013	1.5
70	MP3B	X	-25.421	1.5
71	MP3B	Z	-44.03	1.5
72	MP3B	Mx	-.013	1.5
73	MP3C	X	-15.546	1.5
74	MP3C	Z	-26.927	1.5
75	MP3C	Mx	.016	1.5
76	MP1A	X	-57.416	.5
77	MP1A	Z	-99.448	.5
78	MP1A	Mx	.029	.5
79	MP1A	X	-57.416	5.5
80	MP1A	Z	-99.448	5.5
81	MP1A	Mx	.029	5.5
82	MP1B	X	-57.416	.5
83	MP1B	Z	-99.448	.5
84	MP1B	Mx	.029	.5
85	MP1B	X	-57.416	5.5
86	MP1B	Z	-99.448	5.5
87	MP1B	Mx	.029	5.5
88	MP1C	X	-41.498	.5
89	MP1C	Z	-71.877	.5
90	MP1C	Mx	-.041	.5
91	MP1C	X	-41.498	5.5
92	MP1C	Z	-71.877	5.5
93	MP1C	Mx	-.041	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-25.572	.5
3	MP2A	Mx	0	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-25.572	5.5
6	MP2A	Mx	0	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-22.666	.5
9	MP2B	Mx	.01	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-22.666	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	.01	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-22.666	.5
15	MP2C	Mx	-.01	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-22.666	5.5
18	MP2C	Mx	-.01	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-25.572	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-25.572	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-22.666	.5
27	MP3B	Mx	.01	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-22.666	5.5
30	MP3B	Mx	.01	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-22.666	.5
33	MP3C	Mx	-.01	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-22.666	5.5
36	MP3C	Mx	-.01	5.5
37	MP4A	X	0	2
38	MP4A	Z	-15.136	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-15.136	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-8.617	2
45	MP4B	Mx	.004	2
46	MP4B	X	0	4
47	MP4B	Z	-8.617	4
48	MP4B	Mx	.004	4
49	MP4C	X	0	2
50	MP4C	Z	-8.617	2
51	MP4C	Mx	-.004	2
52	MP4C	X	0	4
53	MP4C	Z	-8.617	4
54	MP4C	Mx	-.004	4
55	OVP1	X	0	1
56	OVP1	Z	-24.785	1
57	OVP1	Mx	0	1
58	MP2A	X	0	1.5
59	MP2A	Z	-12.752	1.5
60	MP2A	Mx	0	1.5
61	MP2B	X	0	1.5
62	MP2B	Z	-9.839	1.5
63	MP2B	Mx	.004	1.5
64	MP2C	X	0	1.5
65	MP2C	Z	-9.839	1.5
66	MP2C	Mx	-.004	1.5
67	MP3A	X	0	1.5
68	MP3A	Z	-12.752	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP3A	Mx	0	1.5
70	MP3B	X	0	1.5
71	MP3B	Z	-8.732	1.5
72	MP3B	Mx	-.004	1.5
73	MP3C	X	0	1.5
74	MP3C	Z	-8.732	1.5
75	MP3C	Mx	.004	1.5
76	MP1A	X	0	.5
77	MP1A	Z	-25.695	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-25.695	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-19.711	.5
84	MP1B	Mx	.009	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-19.711	5.5
87	MP1B	Mx	.009	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-19.711	.5
90	MP1C	Mx	-.009	.5
91	MP1C	X	0	5.5
92	MP1C	Z	-19.711	5.5
93	MP1C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	12.302	.5
2	MP2A	Z	-21.307	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	12.302	5.5
5	MP2A	Z	-21.307	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	10.849	.5
8	MP2B	Z	-18.791	.5
9	MP2B	Mx	.011	.5
10	MP2B	X	10.849	5.5
11	MP2B	Z	-18.791	5.5
12	MP2B	Mx	.011	5.5
13	MP2C	X	12.302	.5
14	MP2C	Z	-21.307	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	12.302	5.5
17	MP2C	Z	-21.307	5.5
18	MP2C	Mx	-.006	5.5
19	MP3A	X	12.302	.5
20	MP3A	Z	-21.307	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	12.302	5.5
23	MP3A	Z	-21.307	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	10.849	.5
26	MP3B	Z	-18.791	.5
27	MP3B	Mx	.011	.5
28	MP3B	X	10.849	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	-18.791	5.5
30	MP3B	Mx	.011	5.5
31	MP3C	X	12.302	.5
32	MP3C	Z	-21.307	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	12.302	5.5
35	MP3C	Z	-21.307	5.5
36	MP3C	Mx	-.006	5.5
37	MP4A	X	6.481	2
38	MP4A	Z	-11.226	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.481	4
41	MP4A	Z	-11.226	4
42	MP4A	Mx	-.003	4
43	MP4B	X	3.222	2
44	MP4B	Z	-5.581	2
45	MP4B	Mx	.003	2
46	MP4B	X	3.222	4
47	MP4B	Z	-5.581	4
48	MP4B	Mx	.003	4
49	MP4C	X	6.481	2
50	MP4C	Z	-11.226	2
51	MP4C	Mx	-.003	2
52	MP4C	X	6.481	4
53	MP4C	Z	-11.226	4
54	MP4C	Mx	-.003	4
55	OVP1	X	10.963	1
56	OVP1	Z	-18.989	1
57	OVP1	Mx	0	1
58	MP2A	X	5.891	1.5
59	MP2A	Z	-10.203	1.5
60	MP2A	Mx	-.003	1.5
61	MP2B	X	4.434	1.5
62	MP2B	Z	-7.68	1.5
63	MP2B	Mx	.004	1.5
64	MP2C	X	5.891	1.5
65	MP2C	Z	-10.203	1.5
66	MP2C	Mx	-.003	1.5
67	MP3A	X	5.706	1.5
68	MP3A	Z	-9.883	1.5
69	MP3A	Mx	.003	1.5
70	MP3B	X	3.696	1.5
71	MP3B	Z	-6.402	1.5
72	MP3B	Mx	-.004	1.5
73	MP3C	X	5.706	1.5
74	MP3C	Z	-9.883	1.5
75	MP3C	Mx	.003	1.5
76	MP1A	X	11.85	.5
77	MP1A	Z	-20.525	.5
78	MP1A	Mx	-.006	.5
79	MP1A	X	11.85	5.5
80	MP1A	Z	-20.525	5.5
81	MP1A	Mx	-.006	5.5
82	MP1B	X	8.858	.5
83	MP1B	Z	-15.343	.5
84	MP1B	Mx	.009	.5
85	MP1B	X	8.858	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP1B	Z	-15.343	5.5
87	MP1B	Mx	.009	5.5
88	MP1C	X	11.85	.5
89	MP1C	Z	-20.525	.5
90	MP1C	Mx	-.006	.5
91	MP1C	X	11.85	5.5
92	MP1C	Z	-20.525	5.5
93	MP1C	Mx	-.006	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	19.629	.5
2	MP2A	Z	-11.333	.5
3	MP2A	Mx	-.01	.5
4	MP2A	X	19.629	5.5
5	MP2A	Z	-11.333	5.5
6	MP2A	Mx	-.01	5.5
7	MP2B	X	19.629	.5
8	MP2B	Z	-11.333	.5
9	MP2B	Mx	.01	.5
10	MP2B	X	19.629	5.5
11	MP2B	Z	-11.333	5.5
12	MP2B	Mx	.01	5.5
13	MP2C	X	22.146	.5
14	MP2C	Z	-12.786	.5
15	MP2C	Mx	0	.5
16	MP2C	X	22.146	5.5
17	MP2C	Z	-12.786	5.5
18	MP2C	Mx	0	5.5
19	MP3A	X	19.629	.5
20	MP3A	Z	-11.333	.5
21	MP3A	Mx	-.01	.5
22	MP3A	X	19.629	5.5
23	MP3A	Z	-11.333	5.5
24	MP3A	Mx	-.01	5.5
25	MP3B	X	19.629	.5
26	MP3B	Z	-11.333	.5
27	MP3B	Mx	.01	.5
28	MP3B	X	19.629	5.5
29	MP3B	Z	-11.333	5.5
30	MP3B	Mx	.01	5.5
31	MP3C	X	22.146	.5
32	MP3C	Z	-12.786	.5
33	MP3C	Mx	0	.5
34	MP3C	X	22.146	5.5
35	MP3C	Z	-12.786	5.5
36	MP3C	Mx	0	5.5
37	MP4A	X	7.462	2
38	MP4A	Z	-4.308	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.462	4
41	MP4A	Z	-4.308	4
42	MP4A	Mx	-.004	4
43	MP4B	X	7.462	2
44	MP4B	Z	-4.308	2
45	MP4B	Mx	.004	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP4B	X	7.462	4
47	MP4B	Z	-4.308	4
48	MP4B	Mx	.004	4
49	MP4C	X	13.108	2
50	MP4C	Z	-7.568	2
51	MP4C	Mx	0	2
52	MP4C	X	13.108	4
53	MP4C	Z	-7.568	4
54	MP4C	Mx	0	4
55	OVP1	X	17.751	1
56	OVP1	Z	-10.248	1
57	OVP1	Mx	0	1
58	MP2A	X	8.521	1.5
59	MP2A	Z	-4.92	1.5
60	MP2A	Mx	-.004	1.5
61	MP2B	X	8.521	1.5
62	MP2B	Z	-4.92	1.5
63	MP2B	Mx	.004	1.5
64	MP2C	X	11.044	1.5
65	MP2C	Z	-6.376	1.5
66	MP2C	Mx	0	1.5
67	MP3A	X	7.562	1.5
68	MP3A	Z	-4.366	1.5
69	MP3A	Mx	.004	1.5
70	MP3B	X	7.562	1.5
71	MP3B	Z	-4.366	1.5
72	MP3B	Mx	-.004	1.5
73	MP3C	X	11.044	1.5
74	MP3C	Z	-6.376	1.5
75	MP3C	Mx	0	1.5
76	MP1A	X	17.071	.5
77	MP1A	Z	-9.856	.5
78	MP1A	Mx	-.009	.5
79	MP1A	X	17.071	5.5
80	MP1A	Z	-9.856	5.5
81	MP1A	Mx	-.009	5.5
82	MP1B	X	17.071	.5
83	MP1B	Z	-9.856	.5
84	MP1B	Mx	.009	.5
85	MP1B	X	17.071	5.5
86	MP1B	Z	-9.856	5.5
87	MP1B	Mx	.009	5.5
88	MP1C	X	22.252	.5
89	MP1C	Z	-12.847	.5
90	MP1C	Mx	0	.5
91	MP1C	X	22.252	5.5
92	MP1C	Z	-12.847	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	21.698	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.011	.5
4	MP2A	X	21.698	5.5
5	MP2A	Z	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP2A	Mx	-.011	5.5
7	MP2B	X	24.603	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	24.603	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	24.603	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	24.603	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.006	5.5
19	MP3A	X	21.698	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.011	.5
22	MP3A	X	21.698	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.011	5.5
25	MP3B	X	24.603	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	24.603	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	24.603	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	24.603	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.006	5.5
37	MP4A	X	6.444	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.444	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.003	4
43	MP4B	X	12.963	2
44	MP4B	Z	0	2
45	MP4B	Mx	.003	2
46	MP4B	X	12.963	4
47	MP4B	Z	0	4
48	MP4B	Mx	.003	4
49	MP4C	X	12.963	2
50	MP4C	Z	0	2
51	MP4C	Mx	.003	2
52	MP4C	X	12.963	4
53	MP4C	Z	0	4
54	MP4C	Mx	.003	4
55	OVP1	X	21.926	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	8.868	1.5
59	MP2A	Z	0	1.5
60	MP2A	Mx	-.004	1.5
61	MP2B	X	11.781	1.5
62	MP2B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP2B	Mx	.003	1.5
64	MP2C	X	11.781	1.5
65	MP2C	Z	0	1.5
66	MP2C	Mx	.003	1.5
67	MP3A	X	7.392	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	.004	1.5
70	MP3B	X	11.412	1.5
71	MP3B	Z	0	1.5
72	MP3B	Mx	-.003	1.5
73	MP3C	X	11.412	1.5
74	MP3C	Z	0	1.5
75	MP3C	Mx	-.003	1.5
76	MP1A	X	17.717	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.009	.5
79	MP1A	X	17.717	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.009	5.5
82	MP1B	X	23.7	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.006	.5
85	MP1B	X	23.7	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.006	5.5
88	MP1C	X	23.7	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.006	.5
91	MP1C	X	23.7	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.006	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	19.629	.5
2	MP2A	Z	11.333	.5
3	MP2A	Mx	-.01	.5
4	MP2A	X	19.629	5.5
5	MP2A	Z	11.333	5.5
6	MP2A	Mx	-.01	5.5
7	MP2B	X	22.146	.5
8	MP2B	Z	12.786	.5
9	MP2B	Mx	0	.5
10	MP2B	X	22.146	5.5
11	MP2B	Z	12.786	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	19.629	.5
14	MP2C	Z	11.333	.5
15	MP2C	Mx	.01	.5
16	MP2C	X	19.629	5.5
17	MP2C	Z	11.333	5.5
18	MP2C	Mx	.01	5.5
19	MP3A	X	19.629	.5
20	MP3A	Z	11.333	.5
21	MP3A	Mx	-.01	.5
22	MP3A	X	19.629	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	11.333	5.5
24	MP3A	Mx	-.01	5.5
25	MP3B	X	22.146	.5
26	MP3B	Z	12.786	.5
27	MP3B	Mx	0	.5
28	MP3B	X	22.146	5.5
29	MP3B	Z	12.786	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	19.629	.5
32	MP3C	Z	11.333	.5
33	MP3C	Mx	.01	.5
34	MP3C	X	19.629	5.5
35	MP3C	Z	11.333	5.5
36	MP3C	Mx	.01	5.5
37	MP4A	X	7.462	2
38	MP4A	Z	4.308	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.462	4
41	MP4A	Z	4.308	4
42	MP4A	Mx	-.004	4
43	MP4B	X	13.108	2
44	MP4B	Z	7.568	2
45	MP4B	Mx	0	2
46	MP4B	X	13.108	4
47	MP4B	Z	7.568	4
48	MP4B	Mx	0	4
49	MP4C	X	7.462	2
50	MP4C	Z	4.308	2
51	MP4C	Mx	.004	2
52	MP4C	X	7.462	4
53	MP4C	Z	4.308	4
54	MP4C	Mx	.004	4
55	OVP1	X	21.465	1
56	OVP1	Z	12.393	1
57	OVP1	Mx	0	1
58	MP2A	X	8.521	1.5
59	MP2A	Z	4.92	1.5
60	MP2A	Mx	-.004	1.5
61	MP2B	X	11.044	1.5
62	MP2B	Z	6.376	1.5
63	MP2B	Mx	0	1.5
64	MP2C	X	8.521	1.5
65	MP2C	Z	4.92	1.5
66	MP2C	Mx	.004	1.5
67	MP3A	X	7.562	1.5
68	MP3A	Z	4.366	1.5
69	MP3A	Mx	.004	1.5
70	MP3B	X	11.044	1.5
71	MP3B	Z	6.376	1.5
72	MP3B	Mx	0	1.5
73	MP3C	X	7.562	1.5
74	MP3C	Z	4.366	1.5
75	MP3C	Mx	-.004	1.5
76	MP1A	X	17.071	.5
77	MP1A	Z	9.856	.5
78	MP1A	Mx	-.009	.5
79	MP1A	X	17.071	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	9.856	5.5
81	MP1A	Mx	-0.009	5.5
82	MP1B	X	22.252	.5
83	MP1B	Z	12.847	.5
84	MP1B	Mx	0	.5
85	MP1B	X	22.252	5.5
86	MP1B	Z	12.847	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	17.071	.5
89	MP1C	Z	9.856	.5
90	MP1C	Mx	.009	.5
91	MP1C	X	17.071	5.5
92	MP1C	Z	9.856	5.5
93	MP1C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.302	.5
2	MP2A	Z	21.307	.5
3	MP2A	Mx	-0.006	.5
4	MP2A	X	12.302	5.5
5	MP2A	Z	21.307	5.5
6	MP2A	Mx	-0.006	5.5
7	MP2B	X	12.302	.5
8	MP2B	Z	21.307	.5
9	MP2B	Mx	-0.006	.5
10	MP2B	X	12.302	5.5
11	MP2B	Z	21.307	5.5
12	MP2B	Mx	-0.006	5.5
13	MP2C	X	10.849	.5
14	MP2C	Z	18.791	.5
15	MP2C	Mx	.011	.5
16	MP2C	X	10.849	5.5
17	MP2C	Z	18.791	5.5
18	MP2C	Mx	.011	5.5
19	MP3A	X	12.302	.5
20	MP3A	Z	21.307	.5
21	MP3A	Mx	-0.006	.5
22	MP3A	X	12.302	5.5
23	MP3A	Z	21.307	5.5
24	MP3A	Mx	-0.006	5.5
25	MP3B	X	12.302	.5
26	MP3B	Z	21.307	.5
27	MP3B	Mx	-0.006	.5
28	MP3B	X	12.302	5.5
29	MP3B	Z	21.307	5.5
30	MP3B	Mx	-0.006	5.5
31	MP3C	X	10.849	.5
32	MP3C	Z	18.791	.5
33	MP3C	Mx	.011	.5
34	MP3C	X	10.849	5.5
35	MP3C	Z	18.791	5.5
36	MP3C	Mx	.011	5.5
37	MP4A	X	6.481	2
38	MP4A	Z	11.226	2
39	MP4A	Mx	-0.003	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP4A	X	6.481	4
41	MP4A	Z	11.226	4
42	MP4A	Mx	-.003	4
43	MP4B	X	6.481	2
44	MP4B	Z	11.226	2
45	MP4B	Mx	-.003	2
46	MP4B	X	6.481	4
47	MP4B	Z	11.226	4
48	MP4B	Mx	-.003	4
49	MP4C	X	3.222	2
50	MP4C	Z	5.581	2
51	MP4C	Mx	.003	2
52	MP4C	X	3.222	4
53	MP4C	Z	5.581	4
54	MP4C	Mx	.003	4
55	OVP1	X	13.107	1
56	OVP1	Z	22.703	1
57	OVP1	Mx	0	1
58	MP2A	X	5.891	1.5
59	MP2A	Z	10.203	1.5
60	MP2A	Mx	-.003	1.5
61	MP2B	X	5.891	1.5
62	MP2B	Z	10.203	1.5
63	MP2B	Mx	-.003	1.5
64	MP2C	X	4.434	1.5
65	MP2C	Z	7.68	1.5
66	MP2C	Mx	.004	1.5
67	MP3A	X	5.706	1.5
68	MP3A	Z	9.883	1.5
69	MP3A	Mx	.003	1.5
70	MP3B	X	5.706	1.5
71	MP3B	Z	9.883	1.5
72	MP3B	Mx	.003	1.5
73	MP3C	X	3.696	1.5
74	MP3C	Z	6.402	1.5
75	MP3C	Mx	-.004	1.5
76	MP1A	X	11.85	.5
77	MP1A	Z	20.525	.5
78	MP1A	Mx	-.006	.5
79	MP1A	X	11.85	5.5
80	MP1A	Z	20.525	5.5
81	MP1A	Mx	-.006	5.5
82	MP1B	X	11.85	.5
83	MP1B	Z	20.525	.5
84	MP1B	Mx	-.006	.5
85	MP1B	X	11.85	5.5
86	MP1B	Z	20.525	5.5
87	MP1B	Mx	-.006	5.5
88	MP1C	X	8.858	.5
89	MP1C	Z	15.343	.5
90	MP1C	Mx	.009	.5
91	MP1C	X	8.858	5.5
92	MP1C	Z	15.343	5.5
93	MP1C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	.5
2	MP2A	Z	25.572	.5
3	MP2A	Mx	0	.5
4	MP2A	X	0	5.5
5	MP2A	Z	25.572	5.5
6	MP2A	Mx	0	5.5
7	MP2B	X	0	.5
8	MP2B	Z	22.666	.5
9	MP2B	Mx	-.01	.5
10	MP2B	X	0	5.5
11	MP2B	Z	22.666	5.5
12	MP2B	Mx	-.01	5.5
13	MP2C	X	0	.5
14	MP2C	Z	22.666	.5
15	MP2C	Mx	.01	.5
16	MP2C	X	0	5.5
17	MP2C	Z	22.666	5.5
18	MP2C	Mx	.01	5.5
19	MP3A	X	0	.5
20	MP3A	Z	25.572	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	25.572	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	22.666	.5
27	MP3B	Mx	-.01	.5
28	MP3B	X	0	5.5
29	MP3B	Z	22.666	5.5
30	MP3B	Mx	-.01	5.5
31	MP3C	X	0	.5
32	MP3C	Z	22.666	.5
33	MP3C	Mx	.01	.5
34	MP3C	X	0	5.5
35	MP3C	Z	22.666	5.5
36	MP3C	Mx	.01	5.5
37	MP4A	X	0	2
38	MP4A	Z	15.136	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	15.136	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	8.617	2
45	MP4B	Mx	-.004	2
46	MP4B	X	0	4
47	MP4B	Z	8.617	4
48	MP4B	Mx	-.004	4
49	MP4C	X	0	2
50	MP4C	Z	8.617	2
51	MP4C	Mx	.004	2
52	MP4C	X	0	4
53	MP4C	Z	8.617	4
54	MP4C	Mx	.004	4
55	OVP1	X	0	1
56	OVP1	Z	24.785	1
57	OVP1	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP2A	X	0	1.5
59	MP2A	Z	12.752	1.5
60	MP2A	Mx	0	1.5
61	MP2B	X	0	1.5
62	MP2B	Z	9.839	1.5
63	MP2B	Mx	-.004	1.5
64	MP2C	X	0	1.5
65	MP2C	Z	9.839	1.5
66	MP2C	Mx	.004	1.5
67	MP3A	X	0	1.5
68	MP3A	Z	12.752	1.5
69	MP3A	Mx	0	1.5
70	MP3B	X	0	1.5
71	MP3B	Z	8.732	1.5
72	MP3B	Mx	.004	1.5
73	MP3C	X	0	1.5
74	MP3C	Z	8.732	1.5
75	MP3C	Mx	-.004	1.5
76	MP1A	X	0	.5
77	MP1A	Z	25.695	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	25.695	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	19.711	.5
84	MP1B	Mx	-.009	.5
85	MP1B	X	0	5.5
86	MP1B	Z	19.711	5.5
87	MP1B	Mx	-.009	5.5
88	MP1C	X	0	.5
89	MP1C	Z	19.711	.5
90	MP1C	Mx	.009	.5
91	MP1C	X	0	5.5
92	MP1C	Z	19.711	5.5
93	MP1C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-12.302	.5
2	MP2A	Z	21.307	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	-12.302	5.5
5	MP2A	Z	21.307	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	-10.849	.5
8	MP2B	Z	18.791	.5
9	MP2B	Mx	-.011	.5
10	MP2B	X	-10.849	5.5
11	MP2B	Z	18.791	5.5
12	MP2B	Mx	-.011	5.5
13	MP2C	X	-12.302	.5
14	MP2C	Z	21.307	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	-12.302	5.5
17	MP2C	Z	21.307	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP2C	Mx	.006	5.5
19	MP3A	X	-12.302	.5
20	MP3A	Z	21.307	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	-12.302	5.5
23	MP3A	Z	21.307	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-10.849	.5
26	MP3B	Z	18.791	.5
27	MP3B	Mx	-.011	.5
28	MP3B	X	-10.849	5.5
29	MP3B	Z	18.791	5.5
30	MP3B	Mx	-.011	5.5
31	MP3C	X	-12.302	.5
32	MP3C	Z	21.307	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	-12.302	5.5
35	MP3C	Z	21.307	5.5
36	MP3C	Mx	.006	5.5
37	MP4A	X	-6.481	2
38	MP4A	Z	11.226	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.481	4
41	MP4A	Z	11.226	4
42	MP4A	Mx	.003	4
43	MP4B	X	-3.222	2
44	MP4B	Z	5.581	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-3.222	4
47	MP4B	Z	5.581	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-6.481	2
50	MP4C	Z	11.226	2
51	MP4C	Mx	.003	2
52	MP4C	X	-6.481	4
53	MP4C	Z	11.226	4
54	MP4C	Mx	.003	4
55	OVP1	X	-10.963	1
56	OVP1	Z	18.989	1
57	OVP1	Mx	0	1
58	MP2A	X	-5.891	1.5
59	MP2A	Z	10.203	1.5
60	MP2A	Mx	.003	1.5
61	MP2B	X	-4.434	1.5
62	MP2B	Z	7.68	1.5
63	MP2B	Mx	-.004	1.5
64	MP2C	X	-5.891	1.5
65	MP2C	Z	10.203	1.5
66	MP2C	Mx	.003	1.5
67	MP3A	X	-5.706	1.5
68	MP3A	Z	9.883	1.5
69	MP3A	Mx	-.003	1.5
70	MP3B	X	-3.696	1.5
71	MP3B	Z	6.402	1.5
72	MP3B	Mx	.004	1.5
73	MP3C	X	-5.706	1.5
74	MP3C	Z	9.883	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	MP3C	Mx	-.003	1.5
76	MP1A	X	-11.85	.5
77	MP1A	Z	20.525	.5
78	MP1A	Mx	.006	.5
79	MP1A	X	-11.85	5.5
80	MP1A	Z	20.525	5.5
81	MP1A	Mx	.006	5.5
82	MP1B	X	-8.858	.5
83	MP1B	Z	15.343	.5
84	MP1B	Mx	-.009	.5
85	MP1B	X	-8.858	5.5
86	MP1B	Z	15.343	5.5
87	MP1B	Mx	-.009	5.5
88	MP1C	X	-11.85	.5
89	MP1C	Z	20.525	.5
90	MP1C	Mx	.006	.5
91	MP1C	X	-11.85	5.5
92	MP1C	Z	20.525	5.5
93	MP1C	Mx	.006	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-19.629	.5
2	MP2A	Z	11.333	.5
3	MP2A	Mx	.01	.5
4	MP2A	X	-19.629	5.5
5	MP2A	Z	11.333	5.5
6	MP2A	Mx	.01	5.5
7	MP2B	X	-19.629	.5
8	MP2B	Z	11.333	.5
9	MP2B	Mx	-.01	.5
10	MP2B	X	-19.629	5.5
11	MP2B	Z	11.333	5.5
12	MP2B	Mx	-.01	5.5
13	MP2C	X	-22.146	.5
14	MP2C	Z	12.786	.5
15	MP2C	Mx	0	.5
16	MP2C	X	-22.146	5.5
17	MP2C	Z	12.786	5.5
18	MP2C	Mx	0	5.5
19	MP3A	X	-19.629	.5
20	MP3A	Z	11.333	.5
21	MP3A	Mx	.01	.5
22	MP3A	X	-19.629	5.5
23	MP3A	Z	11.333	5.5
24	MP3A	Mx	.01	5.5
25	MP3B	X	-19.629	.5
26	MP3B	Z	11.333	.5
27	MP3B	Mx	-.01	.5
28	MP3B	X	-19.629	5.5
29	MP3B	Z	11.333	5.5
30	MP3B	Mx	-.01	5.5
31	MP3C	X	-22.146	.5
32	MP3C	Z	12.786	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-22.146	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP3C	Z	12.786	5.5
36	MP3C	Mx	0	5.5
37	MP4A	X	-7.462	2
38	MP4A	Z	4.308	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.462	4
41	MP4A	Z	4.308	4
42	MP4A	Mx	.004	4
43	MP4B	X	-7.462	2
44	MP4B	Z	4.308	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-7.462	4
47	MP4B	Z	4.308	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-13.108	2
50	MP4C	Z	7.568	2
51	MP4C	Mx	0	2
52	MP4C	X	-13.108	4
53	MP4C	Z	7.568	4
54	MP4C	Mx	0	4
55	OVP1	X	-17.751	1
56	OVP1	Z	10.248	1
57	OVP1	Mx	0	1
58	MP2A	X	-8.521	1.5
59	MP2A	Z	4.92	1.5
60	MP2A	Mx	.004	1.5
61	MP2B	X	-8.521	1.5
62	MP2B	Z	4.92	1.5
63	MP2B	Mx	-.004	1.5
64	MP2C	X	-11.044	1.5
65	MP2C	Z	6.376	1.5
66	MP2C	Mx	0	1.5
67	MP3A	X	-7.562	1.5
68	MP3A	Z	4.366	1.5
69	MP3A	Mx	-.004	1.5
70	MP3B	X	-7.562	1.5
71	MP3B	Z	4.366	1.5
72	MP3B	Mx	.004	1.5
73	MP3C	X	-11.044	1.5
74	MP3C	Z	6.376	1.5
75	MP3C	Mx	0	1.5
76	MP1A	X	-17.071	.5
77	MP1A	Z	9.856	.5
78	MP1A	Mx	.009	.5
79	MP1A	X	-17.071	5.5
80	MP1A	Z	9.856	5.5
81	MP1A	Mx	.009	5.5
82	MP1B	X	-17.071	.5
83	MP1B	Z	9.856	.5
84	MP1B	Mx	-.009	.5
85	MP1B	X	-17.071	5.5
86	MP1B	Z	9.856	5.5
87	MP1B	Mx	-.009	5.5
88	MP1C	X	-22.252	.5
89	MP1C	Z	12.847	.5
90	MP1C	Mx	0	.5
91	MP1C	X	-22.252	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP1C	Z	12.847	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-21.698	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.011	.5
4	MP2A	X	-21.698	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.011	5.5
7	MP2B	X	-24.603	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.006	.5
10	MP2B	X	-24.603	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.006	5.5
13	MP2C	X	-24.603	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	-24.603	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.006	5.5
19	MP3A	X	-21.698	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.011	.5
22	MP3A	X	-21.698	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.011	5.5
25	MP3B	X	-24.603	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	-24.603	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	-24.603	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	-24.603	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.006	5.5
37	MP4A	X	-6.444	2
38	MP4A	Z	0	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.444	4
41	MP4A	Z	0	4
42	MP4A	Mx	.003	4
43	MP4B	X	-12.963	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-12.963	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-12.963	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP4C	X	-12.963	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.003	4
55	OVP1	X	-21.926	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	-8.868	1.5
59	MP2A	Z	0	1.5
60	MP2A	Mx	.004	1.5
61	MP2B	X	-11.781	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	-.003	1.5
64	MP2C	X	-11.781	1.5
65	MP2C	Z	0	1.5
66	MP2C	Mx	-.003	1.5
67	MP3A	X	-7.392	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	-.004	1.5
70	MP3B	X	-11.412	1.5
71	MP3B	Z	0	1.5
72	MP3B	Mx	.003	1.5
73	MP3C	X	-11.412	1.5
74	MP3C	Z	0	1.5
75	MP3C	Mx	.003	1.5
76	MP1A	X	-17.717	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.009	.5
79	MP1A	X	-17.717	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.009	5.5
82	MP1B	X	-23.7	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.006	.5
85	MP1B	X	-23.7	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.006	5.5
88	MP1C	X	-23.7	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.006	.5
91	MP1C	X	-23.7	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.006	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-19.629	.5
2	MP2A	Z	-11.333	.5
3	MP2A	Mx	.01	.5
4	MP2A	X	-19.629	5.5
5	MP2A	Z	-11.333	5.5
6	MP2A	Mx	.01	5.5
7	MP2B	X	-22.146	.5
8	MP2B	Z	-12.786	.5
9	MP2B	Mx	0	.5
10	MP2B	X	-22.146	5.5
11	MP2B	Z	-12.786	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	0	5.5
13	MP2C	X	-19.629	.5
14	MP2C	Z	-11.333	.5
15	MP2C	Mx	-.01	.5
16	MP2C	X	-19.629	5.5
17	MP2C	Z	-11.333	5.5
18	MP2C	Mx	-.01	5.5
19	MP3A	X	-19.629	.5
20	MP3A	Z	-11.333	.5
21	MP3A	Mx	.01	.5
22	MP3A	X	-19.629	5.5
23	MP3A	Z	-11.333	5.5
24	MP3A	Mx	.01	5.5
25	MP3B	X	-22.146	.5
26	MP3B	Z	-12.786	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-22.146	5.5
29	MP3B	Z	-12.786	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-19.629	.5
32	MP3C	Z	-11.333	.5
33	MP3C	Mx	-.01	.5
34	MP3C	X	-19.629	5.5
35	MP3C	Z	-11.333	5.5
36	MP3C	Mx	-.01	5.5
37	MP4A	X	-7.462	2
38	MP4A	Z	-4.308	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.462	4
41	MP4A	Z	-4.308	4
42	MP4A	Mx	.004	4
43	MP4B	X	-13.108	2
44	MP4B	Z	-7.568	2
45	MP4B	Mx	0	2
46	MP4B	X	-13.108	4
47	MP4B	Z	-7.568	4
48	MP4B	Mx	0	4
49	MP4C	X	-7.462	2
50	MP4C	Z	-4.308	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-7.462	4
53	MP4C	Z	-4.308	4
54	MP4C	Mx	-.004	4
55	OVP1	X	-21.465	1
56	OVP1	Z	-12.393	1
57	OVP1	Mx	0	1
58	MP2A	X	-8.521	1.5
59	MP2A	Z	-4.92	1.5
60	MP2A	Mx	.004	1.5
61	MP2B	X	-11.044	1.5
62	MP2B	Z	-6.376	1.5
63	MP2B	Mx	0	1.5
64	MP2C	X	-8.521	1.5
65	MP2C	Z	-4.92	1.5
66	MP2C	Mx	-.004	1.5
67	MP3A	X	-7.562	1.5
68	MP3A	Z	-4.366	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP3A	Mx	-.004	1.5
70	MP3B	X	-11.044	1.5
71	MP3B	Z	-6.376	1.5
72	MP3B	Mx	0	1.5
73	MP3C	X	-7.562	1.5
74	MP3C	Z	-4.366	1.5
75	MP3C	Mx	.004	1.5
76	MP1A	X	-17.071	.5
77	MP1A	Z	-9.856	.5
78	MP1A	Mx	.009	.5
79	MP1A	X	-17.071	5.5
80	MP1A	Z	-9.856	5.5
81	MP1A	Mx	.009	5.5
82	MP1B	X	-22.252	.5
83	MP1B	Z	-12.847	.5
84	MP1B	Mx	0	.5
85	MP1B	X	-22.252	5.5
86	MP1B	Z	-12.847	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	-17.071	.5
89	MP1C	Z	-9.856	.5
90	MP1C	Mx	-.009	.5
91	MP1C	X	-17.071	5.5
92	MP1C	Z	-9.856	5.5
93	MP1C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-12.302	.5
2	MP2A	Z	-21.307	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	-12.302	5.5
5	MP2A	Z	-21.307	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	-12.302	.5
8	MP2B	Z	-21.307	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	-12.302	5.5
11	MP2B	Z	-21.307	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	-10.849	.5
14	MP2C	Z	-18.791	.5
15	MP2C	Mx	-.011	.5
16	MP2C	X	-10.849	5.5
17	MP2C	Z	-18.791	5.5
18	MP2C	Mx	-.011	5.5
19	MP3A	X	-12.302	.5
20	MP3A	Z	-21.307	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	-12.302	5.5
23	MP3A	Z	-21.307	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-12.302	.5
26	MP3B	Z	-21.307	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	-12.302	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	-21.307	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	-10.849	.5
32	MP3C	Z	-18.791	.5
33	MP3C	Mx	-.011	.5
34	MP3C	X	-10.849	5.5
35	MP3C	Z	-18.791	5.5
36	MP3C	Mx	-.011	5.5
37	MP4A	X	-6.481	2
38	MP4A	Z	-11.226	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.481	4
41	MP4A	Z	-11.226	4
42	MP4A	Mx	.003	4
43	MP4B	X	-6.481	2
44	MP4B	Z	-11.226	2
45	MP4B	Mx	.003	2
46	MP4B	X	-6.481	4
47	MP4B	Z	-11.226	4
48	MP4B	Mx	.003	4
49	MP4C	X	-3.222	2
50	MP4C	Z	-5.581	2
51	MP4C	Mx	-.003	2
52	MP4C	X	-3.222	4
53	MP4C	Z	-5.581	4
54	MP4C	Mx	-.003	4
55	OVP1	X	-13.107	1
56	OVP1	Z	-22.703	1
57	OVP1	Mx	0	1
58	MP2A	X	-5.891	1.5
59	MP2A	Z	-10.203	1.5
60	MP2A	Mx	.003	1.5
61	MP2B	X	-5.891	1.5
62	MP2B	Z	-10.203	1.5
63	MP2B	Mx	.003	1.5
64	MP2C	X	-4.434	1.5
65	MP2C	Z	-7.68	1.5
66	MP2C	Mx	-.004	1.5
67	MP3A	X	-5.706	1.5
68	MP3A	Z	-9.883	1.5
69	MP3A	Mx	-.003	1.5
70	MP3B	X	-5.706	1.5
71	MP3B	Z	-9.883	1.5
72	MP3B	Mx	-.003	1.5
73	MP3C	X	-3.696	1.5
74	MP3C	Z	-6.402	1.5
75	MP3C	Mx	.004	1.5
76	MP1A	X	-11.85	.5
77	MP1A	Z	-20.525	.5
78	MP1A	Mx	.006	.5
79	MP1A	X	-11.85	5.5
80	MP1A	Z	-20.525	5.5
81	MP1A	Mx	.006	5.5
82	MP1B	X	-11.85	.5
83	MP1B	Z	-20.525	.5
84	MP1B	Mx	.006	.5
85	MP1B	X	-11.85	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP1B	Z	-20.525	5.5
87	MP1B	Mx	.006	5.5
88	MP1C	X	-8.858	.5
89	MP1C	Z	-15.343	.5
90	MP1C	Mx	-.009	.5
91	MP1C	X	-8.858	5.5
92	MP1C	Z	-15.343	5.5
93	MP1C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-8.349	.5
3	MP2A	Mx	0	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-8.349	5.5
6	MP2A	Mx	0	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-7.325	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-7.325	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-7.325	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-7.325	5.5
18	MP2C	Mx	-.003	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-8.349	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-8.349	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-7.325	.5
27	MP3B	Mx	.003	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-7.325	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-7.325	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-7.325	5.5
36	MP3C	Mx	-.003	5.5
37	MP4A	X	0	2
38	MP4A	Z	-4.827	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-4.827	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-2.624	2
45	MP4B	Mx	.001	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP4B	X	0	4
47	MP4B	Z	-2.624	4
48	MP4B	Mx	.001	4
49	MP4C	X	0	2
50	MP4C	Z	-2.624	2
51	MP4C	Mx	-.001	2
52	MP4C	X	0	4
53	MP4C	Z	-2.624	4
54	MP4C	Mx	-.001	4
55	OVP1	X	0	1
56	OVP1	Z	-7.845	1
57	OVP1	Mx	0	1
58	MP2A	X	0	1.5
59	MP2A	Z	-3.841	1.5
60	MP2A	Mx	0	1.5
61	MP2B	X	0	1.5
62	MP2B	Z	-2.886	1.5
63	MP2B	Mx	.001	1.5
64	MP2C	X	0	1.5
65	MP2C	Z	-2.886	1.5
66	MP2C	Mx	-.001	1.5
67	MP3A	X	0	1.5
68	MP3A	Z	-3.841	1.5
69	MP3A	Mx	0	1.5
70	MP3B	X	0	1.5
71	MP3B	Z	-2.52	1.5
72	MP3B	Mx	-.001	1.5
73	MP3C	X	0	1.5
74	MP3C	Z	-2.52	1.5
75	MP3C	Mx	.001	1.5
76	MP1A	X	0	.5
77	MP1A	Z	-8.39	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-8.39	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-6.261	.5
84	MP1B	Mx	.003	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-6.261	5.5
87	MP1B	Mx	.003	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-6.261	.5
90	MP1C	Mx	-.003	.5
91	MP1C	X	0	5.5
92	MP1C	Z	-6.261	5.5
93	MP1C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	4.004	.5
2	MP2A	Z	-6.935	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	4.004	5.5
5	MP2A	Z	-6.935	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	-0.002	5.5
7	MP2B	X	3.492	.5
8	MP2B	Z	-6.048	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	3.492	5.5
11	MP2B	Z	-6.048	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	4.004	.5
14	MP2C	Z	-6.935	.5
15	MP2C	Mx	-0.002	.5
16	MP2C	X	4.004	5.5
17	MP2C	Z	-6.935	5.5
18	MP2C	Mx	-0.002	5.5
19	MP3A	X	4.004	.5
20	MP3A	Z	-6.935	.5
21	MP3A	Mx	-0.002	.5
22	MP3A	X	4.004	5.5
23	MP3A	Z	-6.935	5.5
24	MP3A	Mx	-0.002	5.5
25	MP3B	X	3.492	.5
26	MP3B	Z	-6.048	.5
27	MP3B	Mx	.003	.5
28	MP3B	X	3.492	5.5
29	MP3B	Z	-6.048	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	4.004	.5
32	MP3C	Z	-6.935	.5
33	MP3C	Mx	-0.002	.5
34	MP3C	X	4.004	5.5
35	MP3C	Z	-6.935	5.5
36	MP3C	Mx	-0.002	5.5
37	MP4A	X	2.046	2
38	MP4A	Z	-3.544	2
39	MP4A	Mx	-0.001	2
40	MP4A	X	2.046	4
41	MP4A	Z	-3.544	4
42	MP4A	Mx	-0.001	4
43	MP4B	X	.945	2
44	MP4B	Z	-1.636	2
45	MP4B	Mx	.000945	2
46	MP4B	X	.945	4
47	MP4B	Z	-1.636	4
48	MP4B	Mx	.000945	4
49	MP4C	X	2.046	2
50	MP4C	Z	-3.544	2
51	MP4C	Mx	-0.001	2
52	MP4C	X	2.046	4
53	MP4C	Z	-3.544	4
54	MP4C	Mx	-0.001	4
55	OVP1	X	3.428	1
56	OVP1	Z	-5.938	1
57	OVP1	Mx	0	1
58	MP2A	X	1.761	1.5
59	MP2A	Z	-3.051	1.5
60	MP2A	Mx	-0.0088	1.5
61	MP2B	X	1.284	1.5
62	MP2B	Z	-2.223	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP2B	Mx	.001	1.5
64	MP2C	X	1.761	1.5
65	MP2C	Z	-3.051	1.5
66	MP2C	Mx	-.000881	1.5
67	MP3A	X	1.7	1.5
68	MP3A	Z	-2.945	1.5
69	MP3A	Mx	.00085	1.5
70	MP3B	X	1.04	1.5
71	MP3B	Z	-1.801	1.5
72	MP3B	Mx	-.001	1.5
73	MP3C	X	1.7	1.5
74	MP3C	Z	-2.945	1.5
75	MP3C	Mx	.00085	1.5
76	MP1A	X	3.84	.5
77	MP1A	Z	-6.652	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	3.84	5.5
80	MP1A	Z	-6.652	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	2.776	.5
83	MP1B	Z	-4.807	.5
84	MP1B	Mx	.003	.5
85	MP1B	X	2.776	5.5
86	MP1B	Z	-4.807	5.5
87	MP1B	Mx	.003	5.5
88	MP1C	X	3.84	.5
89	MP1C	Z	-6.652	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	3.84	5.5
92	MP1C	Z	-6.652	5.5
93	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	6.344	.5
2	MP2A	Z	-3.662	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	6.344	5.5
5	MP2A	Z	-3.662	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	6.344	.5
8	MP2B	Z	-3.662	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	6.344	5.5
11	MP2B	Z	-3.662	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	7.231	.5
14	MP2C	Z	-4.175	.5
15	MP2C	Mx	0	.5
16	MP2C	X	7.231	5.5
17	MP2C	Z	-4.175	5.5
18	MP2C	Mx	0	5.5
19	MP3A	X	6.344	.5
20	MP3A	Z	-3.662	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	6.344	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP3A	Z	-3.662	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	6.344	.5
26	MP3B	Z	-3.662	.5
27	MP3B	Mx	.003	.5
28	MP3B	X	6.344	5.5
29	MP3B	Z	-3.662	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	7.231	.5
32	MP3C	Z	-4.175	.5
33	MP3C	Mx	0	.5
34	MP3C	X	7.231	5.5
35	MP3C	Z	-4.175	5.5
36	MP3C	Mx	0	5.5
37	MP4A	X	2.272	2
38	MP4A	Z	-1.312	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.272	4
41	MP4A	Z	-1.312	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.272	2
44	MP4B	Z	-1.312	2
45	MP4B	Mx	.001	2
46	MP4B	X	2.272	4
47	MP4B	Z	-1.312	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.18	2
50	MP4C	Z	-2.413	2
51	MP4C	Mx	0	2
52	MP4C	X	4.18	4
53	MP4C	Z	-2.413	4
54	MP4C	Mx	0	4
55	OVP1	X	5.51	1
56	OVP1	Z	-3.181	1
57	OVP1	Mx	0	1
58	MP2A	X	2.499	1.5
59	MP2A	Z	-1.443	1.5
60	MP2A	Mx	-.001	1.5
61	MP2B	X	2.499	1.5
62	MP2B	Z	-1.443	1.5
63	MP2B	Mx	.001	1.5
64	MP2C	X	3.326	1.5
65	MP2C	Z	-1.92	1.5
66	MP2C	Mx	0	1.5
67	MP3A	X	2.182	1.5
68	MP3A	Z	-1.26	1.5
69	MP3A	Mx	.001	1.5
70	MP3B	X	2.182	1.5
71	MP3B	Z	-1.26	1.5
72	MP3B	Mx	-.001	1.5
73	MP3C	X	3.326	1.5
74	MP3C	Z	-1.92	1.5
75	MP3C	Mx	0	1.5
76	MP1A	X	5.422	.5
77	MP1A	Z	-3.13	.5
78	MP1A	Mx	-.003	.5
79	MP1A	X	5.422	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	-3.13	5.5
81	MP1A	Mx	-.003	5.5
82	MP1B	X	5.422	.5
83	MP1B	Z	-3.13	.5
84	MP1B	Mx	.003	.5
85	MP1B	X	5.422	5.5
86	MP1B	Z	-3.13	5.5
87	MP1B	Mx	.003	5.5
88	MP1C	X	7.266	.5
89	MP1C	Z	-4.195	.5
90	MP1C	Mx	0	.5
91	MP1C	X	7.266	5.5
92	MP1C	Z	-4.195	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.983	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	6.983	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	8.008	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	8.008	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.002	5.5
13	MP2C	X	8.008	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	8.008	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.002	5.5
19	MP3A	X	6.983	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	6.983	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	8.008	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.002	.5
28	MP3B	X	8.008	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.002	5.5
31	MP3C	X	8.008	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	8.008	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.002	5.5
37	MP4A	X	1.89	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.000945	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP4A	X	1.89	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.000945	4
43	MP4B	X	4.092	2
44	MP4B	Z	0	2
45	MP4B	Mx	.001	2
46	MP4B	X	4.092	4
47	MP4B	Z	0	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.092	2
50	MP4C	Z	0	2
51	MP4C	Mx	.001	2
52	MP4C	X	4.092	4
53	MP4C	Z	0	4
54	MP4C	Mx	.001	4
55	OVP1	X	6.856	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	2.567	1.5
59	MP2A	Z	0	1.5
60	MP2A	Mx	-.001	1.5
61	MP2B	X	3.523	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	.000881	1.5
64	MP2C	X	3.523	1.5
65	MP2C	Z	0	1.5
66	MP2C	Mx	.000881	1.5
67	MP3A	X	2.08	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	.001	1.5
70	MP3B	X	3.401	1.5
71	MP3B	Z	0	1.5
72	MP3B	Mx	-.00085	1.5
73	MP3C	X	3.401	1.5
74	MP3C	Z	0	1.5
75	MP3C	Mx	-.00085	1.5
76	MP1A	X	5.551	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.003	.5
79	MP1A	X	5.551	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.003	5.5
82	MP1B	X	7.681	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	7.681	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	7.681	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	7.681	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	6.344	.5
2	MP2A	Z	3.662	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	6.344	5.5
5	MP2A	Z	3.662	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	7.231	.5
8	MP2B	Z	4.175	.5
9	MP2B	Mx	0	.5
10	MP2B	X	7.231	5.5
11	MP2B	Z	4.175	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	6.344	.5
14	MP2C	Z	3.662	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	6.344	5.5
17	MP2C	Z	3.662	5.5
18	MP2C	Mx	.003	5.5
19	MP3A	X	6.344	.5
20	MP3A	Z	3.662	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	6.344	5.5
23	MP3A	Z	3.662	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	7.231	.5
26	MP3B	Z	4.175	.5
27	MP3B	Mx	0	.5
28	MP3B	X	7.231	5.5
29	MP3B	Z	4.175	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	6.344	.5
32	MP3C	Z	3.662	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	6.344	5.5
35	MP3C	Z	3.662	5.5
36	MP3C	Mx	.003	5.5
37	MP4A	X	2.272	2
38	MP4A	Z	1.312	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.272	4
41	MP4A	Z	1.312	4
42	MP4A	Mx	-.001	4
43	MP4B	X	4.18	2
44	MP4B	Z	2.413	2
45	MP4B	Mx	0	2
46	MP4B	X	4.18	4
47	MP4B	Z	2.413	4
48	MP4B	Mx	0	4
49	MP4C	X	2.272	2
50	MP4C	Z	1.312	2
51	MP4C	Mx	.001	2
52	MP4C	X	2.272	4
53	MP4C	Z	1.312	4
54	MP4C	Mx	.001	4
55	OVP1	X	6.794	1
56	OVP1	Z	3.922	1
57	OVP1	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP2A	X	2.499	1.5
59	MP2A	Z	1.443	1.5
60	MP2A	Mx	-.001	1.5
61	MP2B	X	3.326	1.5
62	MP2B	Z	1.92	1.5
63	MP2B	Mx	0	1.5
64	MP2C	X	2.499	1.5
65	MP2C	Z	1.443	1.5
66	MP2C	Mx	.001	1.5
67	MP3A	X	2.182	1.5
68	MP3A	Z	1.26	1.5
69	MP3A	Mx	.001	1.5
70	MP3B	X	3.326	1.5
71	MP3B	Z	1.92	1.5
72	MP3B	Mx	0	1.5
73	MP3C	X	2.182	1.5
74	MP3C	Z	1.26	1.5
75	MP3C	Mx	-.001	1.5
76	MP1A	X	5.422	.5
77	MP1A	Z	3.13	.5
78	MP1A	Mx	-.003	.5
79	MP1A	X	5.422	5.5
80	MP1A	Z	3.13	5.5
81	MP1A	Mx	-.003	5.5
82	MP1B	X	7.266	.5
83	MP1B	Z	4.195	.5
84	MP1B	Mx	0	.5
85	MP1B	X	7.266	5.5
86	MP1B	Z	4.195	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	5.422	.5
89	MP1C	Z	3.13	.5
90	MP1C	Mx	.003	.5
91	MP1C	X	5.422	5.5
92	MP1C	Z	3.13	5.5
93	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	4.004	.5
2	MP2A	Z	6.935	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	4.004	5.5
5	MP2A	Z	6.935	5.5
6	MP2A	Mx	-.002	5.5
7	MP2B	X	4.004	.5
8	MP2B	Z	6.935	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	4.004	5.5
11	MP2B	Z	6.935	5.5
12	MP2B	Mx	-.002	5.5
13	MP2C	X	3.492	.5
14	MP2C	Z	6.048	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	3.492	5.5
17	MP2C	Z	6.048	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP2C	Mx	.003	5.5
19	MP3A	X	4.004	.5
20	MP3A	Z	6.935	.5
21	MP3A	Mx	-.002	.5
22	MP3A	X	4.004	5.5
23	MP3A	Z	6.935	5.5
24	MP3A	Mx	-.002	5.5
25	MP3B	X	4.004	.5
26	MP3B	Z	6.935	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	4.004	5.5
29	MP3B	Z	6.935	5.5
30	MP3B	Mx	-.002	5.5
31	MP3C	X	3.492	.5
32	MP3C	Z	6.048	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	3.492	5.5
35	MP3C	Z	6.048	5.5
36	MP3C	Mx	.003	5.5
37	MP4A	X	2.046	2
38	MP4A	Z	3.544	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.046	4
41	MP4A	Z	3.544	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.046	2
44	MP4B	Z	3.544	2
45	MP4B	Mx	-.001	2
46	MP4B	X	2.046	4
47	MP4B	Z	3.544	4
48	MP4B	Mx	-.001	4
49	MP4C	X	.945	2
50	MP4C	Z	1.636	2
51	MP4C	Mx	.000945	2
52	MP4C	X	.945	4
53	MP4C	Z	1.636	4
54	MP4C	Mx	.000945	4
55	OVP1	X	4.169	1
56	OVP1	Z	7.222	1
57	OVP1	Mx	0	1
58	MP2A	X	1.761	1.5
59	MP2A	Z	3.051	1.5
60	MP2A	Mx	-.00088	1.5
61	MP2B	X	1.761	1.5
62	MP2B	Z	3.051	1.5
63	MP2B	Mx	-.000881	1.5
64	MP2C	X	1.284	1.5
65	MP2C	Z	2.223	1.5
66	MP2C	Mx	.001	1.5
67	MP3A	X	1.7	1.5
68	MP3A	Z	2.945	1.5
69	MP3A	Mx	.00085	1.5
70	MP3B	X	1.7	1.5
71	MP3B	Z	2.945	1.5
72	MP3B	Mx	.00085	1.5
73	MP3C	X	1.04	1.5
74	MP3C	Z	1.801	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	-.001	1.5
76	MP1A	X	3.84	.5
77	MP1A	Z	6.652	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	3.84	5.5
80	MP1A	Z	6.652	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	3.84	.5
83	MP1B	Z	6.652	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	3.84	5.5
86	MP1B	Z	6.652	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	2.776	.5
89	MP1C	Z	4.807	.5
90	MP1C	Mx	.003	.5
91	MP1C	X	2.776	5.5
92	MP1C	Z	4.807	5.5
93	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	8.349	.5
3	MP2A	Mx	0	.5
4	MP2A	X	0	5.5
5	MP2A	Z	8.349	5.5
6	MP2A	Mx	0	5.5
7	MP2B	X	0	.5
8	MP2B	Z	7.325	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	0	5.5
11	MP2B	Z	7.325	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	0	.5
14	MP2C	Z	7.325	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	0	5.5
17	MP2C	Z	7.325	5.5
18	MP2C	Mx	.003	5.5
19	MP3A	X	0	.5
20	MP3A	Z	8.349	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	8.349	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	7.325	.5
27	MP3B	Mx	-.003	.5
28	MP3B	X	0	5.5
29	MP3B	Z	7.325	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	0	.5
32	MP3C	Z	7.325	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP3C	Z	7.325	5.5
36	MP3C	Mx	.003	5.5
37	MP4A	X	0	2
38	MP4A	Z	4.827	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	4.827	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	2.624	2
45	MP4B	Mx	-.001	2
46	MP4B	X	0	4
47	MP4B	Z	2.624	4
48	MP4B	Mx	-.001	4
49	MP4C	X	0	2
50	MP4C	Z	2.624	2
51	MP4C	Mx	.001	2
52	MP4C	X	0	4
53	MP4C	Z	2.624	4
54	MP4C	Mx	.001	4
55	OVP1	X	0	1
56	OVP1	Z	7.845	1
57	OVP1	Mx	0	1
58	MP2A	X	0	1.5
59	MP2A	Z	3.841	1.5
60	MP2A	Mx	0	1.5
61	MP2B	X	0	1.5
62	MP2B	Z	2.886	1.5
63	MP2B	Mx	-.001	1.5
64	MP2C	X	0	1.5
65	MP2C	Z	2.886	1.5
66	MP2C	Mx	.001	1.5
67	MP3A	X	0	1.5
68	MP3A	Z	3.841	1.5
69	MP3A	Mx	0	1.5
70	MP3B	X	0	1.5
71	MP3B	Z	2.52	1.5
72	MP3B	Mx	.001	1.5
73	MP3C	X	0	1.5
74	MP3C	Z	2.52	1.5
75	MP3C	Mx	-.001	1.5
76	MP1A	X	0	.5
77	MP1A	Z	8.39	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	8.39	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	6.261	.5
84	MP1B	Mx	-.003	.5
85	MP1B	X	0	5.5
86	MP1B	Z	6.261	5.5
87	MP1B	Mx	-.003	5.5
88	MP1C	X	0	.5
89	MP1C	Z	6.261	.5
90	MP1C	Mx	.003	.5
91	MP1C	X	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP1C	Z	6.261	5.5
93	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-4.004	.5
2	MP2A	Z	6.935	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	-4.004	5.5
5	MP2A	Z	6.935	5.5
6	MP2A	Mx	.002	5.5
7	MP2B	X	-3.492	.5
8	MP2B	Z	6.048	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-3.492	5.5
11	MP2B	Z	6.048	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	-4.004	.5
14	MP2C	Z	6.935	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	-4.004	5.5
17	MP2C	Z	6.935	5.5
18	MP2C	Mx	.002	5.5
19	MP3A	X	-4.004	.5
20	MP3A	Z	6.935	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	-4.004	5.5
23	MP3A	Z	6.935	5.5
24	MP3A	Mx	.002	5.5
25	MP3B	X	-3.492	.5
26	MP3B	Z	6.048	.5
27	MP3B	Mx	-.003	.5
28	MP3B	X	-3.492	5.5
29	MP3B	Z	6.048	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	-4.004	.5
32	MP3C	Z	6.935	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	-4.004	5.5
35	MP3C	Z	6.935	5.5
36	MP3C	Mx	.002	5.5
37	MP4A	X	-2.046	2
38	MP4A	Z	3.544	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.046	4
41	MP4A	Z	3.544	4
42	MP4A	Mx	.001	4
43	MP4B	X	-.945	2
44	MP4B	Z	1.636	2
45	MP4B	Mx	-.000945	2
46	MP4B	X	-.945	4
47	MP4B	Z	1.636	4
48	MP4B	Mx	-.000945	4
49	MP4C	X	-2.046	2
50	MP4C	Z	3.544	2
51	MP4C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP4C	X	-2.046	4
53	MP4C	Z	3.544	4
54	MP4C	Mx	.001	4
55	OVP1	X	-3.428	1
56	OVP1	Z	5.938	1
57	OVP1	Mx	0	1
58	MP2A	X	-1.761	1.5
59	MP2A	Z	3.051	1.5
60	MP2A	Mx	.00088	1.5
61	MP2B	X	-1.284	1.5
62	MP2B	Z	2.223	1.5
63	MP2B	Mx	-.001	1.5
64	MP2C	X	-1.761	1.5
65	MP2C	Z	3.051	1.5
66	MP2C	Mx	.000881	1.5
67	MP3A	X	-1.7	1.5
68	MP3A	Z	2.945	1.5
69	MP3A	Mx	-.00085	1.5
70	MP3B	X	-1.04	1.5
71	MP3B	Z	1.801	1.5
72	MP3B	Mx	.001	1.5
73	MP3C	X	-1.7	1.5
74	MP3C	Z	2.945	1.5
75	MP3C	Mx	-.00085	1.5
76	MP1A	X	-3.84	.5
77	MP1A	Z	6.652	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-3.84	5.5
80	MP1A	Z	6.652	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-2.776	.5
83	MP1B	Z	4.807	.5
84	MP1B	Mx	-.003	.5
85	MP1B	X	-2.776	5.5
86	MP1B	Z	4.807	5.5
87	MP1B	Mx	-.003	5.5
88	MP1C	X	-3.84	.5
89	MP1C	Z	6.652	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	-3.84	5.5
92	MP1C	Z	6.652	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-6.344	.5
2	MP2A	Z	3.662	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-6.344	5.5
5	MP2A	Z	3.662	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	-6.344	.5
8	MP2B	Z	3.662	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-6.344	5.5
11	MP2B	Z	3.662	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	-0.003	5.5
13	MP2C	X	-7.231	.5
14	MP2C	Z	4.175	.5
15	MP2C	Mx	0	.5
16	MP2C	X	-7.231	5.5
17	MP2C	Z	4.175	5.5
18	MP2C	Mx	0	5.5
19	MP3A	X	-6.344	.5
20	MP3A	Z	3.662	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-6.344	5.5
23	MP3A	Z	3.662	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	-6.344	.5
26	MP3B	Z	3.662	.5
27	MP3B	Mx	-0.003	.5
28	MP3B	X	-6.344	5.5
29	MP3B	Z	3.662	5.5
30	MP3B	Mx	-0.003	5.5
31	MP3C	X	-7.231	.5
32	MP3C	Z	4.175	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-7.231	5.5
35	MP3C	Z	4.175	5.5
36	MP3C	Mx	0	5.5
37	MP4A	X	-2.272	2
38	MP4A	Z	1.312	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.272	4
41	MP4A	Z	1.312	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.272	2
44	MP4B	Z	1.312	2
45	MP4B	Mx	-0.001	2
46	MP4B	X	-2.272	4
47	MP4B	Z	1.312	4
48	MP4B	Mx	-0.001	4
49	MP4C	X	-4.18	2
50	MP4C	Z	2.413	2
51	MP4C	Mx	0	2
52	MP4C	X	-4.18	4
53	MP4C	Z	2.413	4
54	MP4C	Mx	0	4
55	OVP1	X	-5.51	1
56	OVP1	Z	3.181	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.499	1.5
59	MP2A	Z	1.443	1.5
60	MP2A	Mx	.001	1.5
61	MP2B	X	-2.499	1.5
62	MP2B	Z	1.443	1.5
63	MP2B	Mx	-0.001	1.5
64	MP2C	X	-3.326	1.5
65	MP2C	Z	1.92	1.5
66	MP2C	Mx	0	1.5
67	MP3A	X	-2.182	1.5
68	MP3A	Z	1.26	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP3A	Mx	-.001	1.5
70	MP3B	X	-2.182	1.5
71	MP3B	Z	1.26	1.5
72	MP3B	Mx	.001	1.5
73	MP3C	X	-3.326	1.5
74	MP3C	Z	1.92	1.5
75	MP3C	Mx	0	1.5
76	MP1A	X	-5.422	.5
77	MP1A	Z	3.13	.5
78	MP1A	Mx	.003	.5
79	MP1A	X	-5.422	5.5
80	MP1A	Z	3.13	5.5
81	MP1A	Mx	.003	5.5
82	MP1B	X	-5.422	.5
83	MP1B	Z	3.13	.5
84	MP1B	Mx	-.003	.5
85	MP1B	X	-5.422	5.5
86	MP1B	Z	3.13	5.5
87	MP1B	Mx	-.003	5.5
88	MP1C	X	-7.266	.5
89	MP1C	Z	4.195	.5
90	MP1C	Mx	0	.5
91	MP1C	X	-7.266	5.5
92	MP1C	Z	4.195	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-6.983	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-6.983	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	-8.008	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	-8.008	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.002	5.5
13	MP2C	X	-8.008	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	-8.008	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.002	5.5
19	MP3A	X	-6.983	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-6.983	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	-8.008	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	-8.008	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.002	5.5
31	MP3C	X	-8.008	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.002	.5
34	MP3C	X	-8.008	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.002	5.5
37	MP4A	X	-1.89	2
38	MP4A	Z	0	2
39	MP4A	Mx	.000945	2
40	MP4A	X	-1.89	4
41	MP4A	Z	0	4
42	MP4A	Mx	.000945	4
43	MP4B	X	-4.092	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-4.092	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-4.092	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-4.092	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.001	4
55	OVP1	X	-6.856	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.567	1.5
59	MP2A	Z	0	1.5
60	MP2A	Mx	.001	1.5
61	MP2B	X	-3.523	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	-.000881	1.5
64	MP2C	X	-3.523	1.5
65	MP2C	Z	0	1.5
66	MP2C	Mx	-.000881	1.5
67	MP3A	X	-2.08	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	-.001	1.5
70	MP3B	X	-3.401	1.5
71	MP3B	Z	0	1.5
72	MP3B	Mx	.00085	1.5
73	MP3C	X	-3.401	1.5
74	MP3C	Z	0	1.5
75	MP3C	Mx	.00085	1.5
76	MP1A	X	-5.551	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.003	.5
79	MP1A	X	-5.551	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.003	5.5
82	MP1B	X	-7.681	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	-7.681	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP1B	Z	0	5.5
87	MP1B	Mx	-0.002	5.5
88	MP1C	X	-7.681	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-0.002	.5
91	MP1C	X	-7.681	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-0.002	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-6.344	.5
2	MP2A	Z	-3.662	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-6.344	5.5
5	MP2A	Z	-3.662	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	-7.231	.5
8	MP2B	Z	-4.175	.5
9	MP2B	Mx	0	.5
10	MP2B	X	-7.231	5.5
11	MP2B	Z	-4.175	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	-6.344	.5
14	MP2C	Z	-3.662	.5
15	MP2C	Mx	-0.003	.5
16	MP2C	X	-6.344	5.5
17	MP2C	Z	-3.662	5.5
18	MP2C	Mx	-0.003	5.5
19	MP3A	X	-6.344	.5
20	MP3A	Z	-3.662	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-6.344	5.5
23	MP3A	Z	-3.662	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	-7.231	.5
26	MP3B	Z	-4.175	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-7.231	5.5
29	MP3B	Z	-4.175	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-6.344	.5
32	MP3C	Z	-3.662	.5
33	MP3C	Mx	-0.003	.5
34	MP3C	X	-6.344	5.5
35	MP3C	Z	-3.662	5.5
36	MP3C	Mx	-0.003	5.5
37	MP4A	X	-2.272	2
38	MP4A	Z	-1.312	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.272	4
41	MP4A	Z	-1.312	4
42	MP4A	Mx	.001	4
43	MP4B	X	-4.18	2
44	MP4B	Z	-2.413	2
45	MP4B	Mx	0	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP4B	X	-4.18	4
47	MP4B	Z	-2.413	4
48	MP4B	Mx	0	4
49	MP4C	X	-2.272	2
50	MP4C	Z	-1.312	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-2.272	4
53	MP4C	Z	-1.312	4
54	MP4C	Mx	-.001	4
55	OVP1	X	-6.794	1
56	OVP1	Z	-3.922	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.499	1.5
59	MP2A	Z	-1.443	1.5
60	MP2A	Mx	.001	1.5
61	MP2B	X	-3.326	1.5
62	MP2B	Z	-1.92	1.5
63	MP2B	Mx	0	1.5
64	MP2C	X	-2.499	1.5
65	MP2C	Z	-1.443	1.5
66	MP2C	Mx	-.001	1.5
67	MP3A	X	-2.182	1.5
68	MP3A	Z	-1.26	1.5
69	MP3A	Mx	-.001	1.5
70	MP3B	X	-3.326	1.5
71	MP3B	Z	-1.92	1.5
72	MP3B	Mx	0	1.5
73	MP3C	X	-2.182	1.5
74	MP3C	Z	-1.26	1.5
75	MP3C	Mx	.001	1.5
76	MP1A	X	-5.422	.5
77	MP1A	Z	-3.13	.5
78	MP1A	Mx	.003	.5
79	MP1A	X	-5.422	5.5
80	MP1A	Z	-3.13	5.5
81	MP1A	Mx	.003	5.5
82	MP1B	X	-7.266	.5
83	MP1B	Z	-4.195	.5
84	MP1B	Mx	0	.5
85	MP1B	X	-7.266	5.5
86	MP1B	Z	-4.195	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	-5.422	.5
89	MP1C	Z	-3.13	.5
90	MP1C	Mx	-.003	.5
91	MP1C	X	-5.422	5.5
92	MP1C	Z	-3.13	5.5
93	MP1C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-4.004	.5
2	MP2A	Z	-6.935	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	-4.004	5.5
5	MP2A	Z	-6.935	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP2A	Mx	.002	5.5
7	MP2B	X	-4.004	.5
8	MP2B	Z	-6.935	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	-4.004	5.5
11	MP2B	Z	-6.935	5.5
12	MP2B	Mx	.002	5.5
13	MP2C	X	-3.492	.5
14	MP2C	Z	-6.048	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	-3.492	5.5
17	MP2C	Z	-6.048	5.5
18	MP2C	Mx	-.003	5.5
19	MP3A	X	-4.004	.5
20	MP3A	Z	-6.935	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	-4.004	5.5
23	MP3A	Z	-6.935	5.5
24	MP3A	Mx	.002	5.5
25	MP3B	X	-4.004	.5
26	MP3B	Z	-6.935	.5
27	MP3B	Mx	.002	.5
28	MP3B	X	-4.004	5.5
29	MP3B	Z	-6.935	5.5
30	MP3B	Mx	.002	5.5
31	MP3C	X	-3.492	.5
32	MP3C	Z	-6.048	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	-3.492	5.5
35	MP3C	Z	-6.048	5.5
36	MP3C	Mx	-.003	5.5
37	MP4A	X	-2.046	2
38	MP4A	Z	-3.544	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.046	4
41	MP4A	Z	-3.544	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.046	2
44	MP4B	Z	-3.544	2
45	MP4B	Mx	.001	2
46	MP4B	X	-2.046	4
47	MP4B	Z	-3.544	4
48	MP4B	Mx	.001	4
49	MP4C	X	-.945	2
50	MP4C	Z	-1.636	2
51	MP4C	Mx	-.000945	2
52	MP4C	X	-.945	4
53	MP4C	Z	-1.636	4
54	MP4C	Mx	-.000945	4
55	OVP1	X	-4.169	1
56	OVP1	Z	-7.222	1
57	OVP1	Mx	0	1
58	MP2A	X	-1.761	1.5
59	MP2A	Z	-3.051	1.5
60	MP2A	Mx	.00088	1.5
61	MP2B	X	-1.761	1.5
62	MP2B	Z	-3.051	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
63	MP2B	Mx	.000881	1.5
64	MP2C	X	-1.284	1.5
65	MP2C	Z	-2.223	1.5
66	MP2C	Mx	-.001	1.5
67	MP3A	X	-1.7	1.5
68	MP3A	Z	-2.945	1.5
69	MP3A	Mx	-.00085	1.5
70	MP3B	X	-1.7	1.5
71	MP3B	Z	-2.945	1.5
72	MP3B	Mx	-.00085	1.5
73	MP3C	X	-1.04	1.5
74	MP3C	Z	-1.801	1.5
75	MP3C	Mx	.001	1.5
76	MP1A	X	-3.84	.5
77	MP1A	Z	-6.652	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-3.84	5.5
80	MP1A	Z	-6.652	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-3.84	.5
83	MP1B	Z	-6.652	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	-3.84	5.5
86	MP1B	Z	-6.652	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	-2.776	.5
89	MP1C	Z	-4.807	.5
90	MP1C	Mx	-.003	.5
91	MP1C	X	-2.776	5.5
92	MP1C	Z	-4.807	5.5
93	MP1C	Mx	-.003	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M183	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M184	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M100	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M100	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft, F...]	Start Location[ft. %]	End Location[ft. %]
1	M100	Y	-6.512	-6.512	0	%100
2	M101	Y	-9.534	-9.534	0	%100
3	M102	Y	-9.534	-9.534	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
4	M103	Y	-9.534	-9.534	0 %100
5	M104	Y	-10.044	-10.044	0 %100
6	M107	Y	-5.571	-5.571	0 %100
7	M108	Y	-5.571	-5.571	0 %100
8	M112	Y	-10.031	-10.031	0 %100
9	M113	Y	-10.031	-10.031	0 %100
10	M115	Y	-10.044	-10.044	0 %100
11	M117	Y	-10.031	-10.031	0 %100
12	M118	Y	-10.031	-10.031	0 %100
13	M120	Y	-10.044	-10.044	0 %100
14	M125	Y	-9.534	-9.534	0 %100
15	M126	Y	-9.534	-9.534	0 %100
16	M127	Y	-9.534	-9.534	0 %100
17	M128	Y	-9.534	-9.534	0 %100
18	M129	Y	-10.044	-10.044	0 %100
19	M132	Y	-5.571	-5.571	0 %100
20	M133	Y	-5.571	-5.571	0 %100
21	M137	Y	-10.031	-10.031	0 %100
22	M138	Y	-10.031	-10.031	0 %100
23	M140	Y	-10.044	-10.044	0 %100
24	M142	Y	-10.031	-10.031	0 %100
25	M143	Y	-10.031	-10.031	0 %100
26	M145	Y	-10.044	-10.044	0 %100
27	M150	Y	-9.534	-9.534	0 %100
28	M151	Y	-9.534	-9.534	0 %100
29	M152	Y	-9.534	-9.534	0 %100
30	M153	Y	-9.534	-9.534	0 %100
31	M154	Y	-10.044	-10.044	0 %100
32	M157	Y	-5.571	-5.571	0 %100
33	M158	Y	-5.571	-5.571	0 %100
34	M162	Y	-10.031	-10.031	0 %100
35	M163	Y	-10.031	-10.031	0 %100
36	M165	Y	-10.044	-10.044	0 %100
37	M167	Y	-10.031	-10.031	0 %100
38	M168	Y	-10.031	-10.031	0 %100
39	M170	Y	-10.044	-10.044	0 %100
40	M175	Y	-9.534	-9.534	0 %100
41	M176	Y	-6.512	-6.512	0 %100
42	M177	Y	-6.512	-6.512	0 %100
43	MP1A	Y	-4.935	-4.935	0 %100
44	MP2A	Y	-4.935	-4.935	0 %100
45	MP3A	Y	-4.935	-4.935	0 %100
46	MP4A	Y	-4.935	-4.935	0 %100
47	MP1C	Y	-4.935	-4.935	0 %100
48	MP2C	Y	-4.935	-4.935	0 %100
49	MP3C	Y	-4.935	-4.935	0 %100
50	MP4C	Y	-4.935	-4.935	0 %100
51	MP1B	Y	-4.935	-4.935	0 %100
52	MP2B	Y	-4.935	-4.935	0 %100
53	MP3B	Y	-4.935	-4.935	0 %100
54	MP4B	Y	-4.935	-4.935	0 %100
55	OVP1	Y	-4.935	-4.935	0 %100
56	M105A	Y	-5.636	-5.636	0 %100
57	M112A	Y	-5.636	-5.636	0 %100
58	M119A	Y	-5.636	-5.636	0 %100
59	M126A	Y	-7.552	-7.552	0 %100
60	M127A	Y	-7.552	-7.552	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	M128A	Y	-7.552	-7.552	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	0	0	0 %100
2	M100	Z	-10.748	-10.748	0 %100
3	M101	X	0	0	0 %100
4	M101	Z	0	0	0 %100
5	M102	X	0	0	0 %100
6	M102	Z	-9.237	-9.237	0 %100
7	M103	X	0	0	0 %100
8	M103	Z	-9.237	-9.237	0 %100
9	M104	X	0	0	0 %100
10	M104	Z	-18.425	-18.425	0 %100
11	M107	X	0	0	0 %100
12	M107	Z	-2.558	-2.558	0 %100
13	M108	X	0	0	0 %100
14	M108	Z	-2.558	-2.558	0 %100
15	M112	X	0	0	0 %100
16	M112	Z	0	0	0 %100
17	M113	X	0	0	0 %100
18	M113	Z	-4.692	-4.692	0 %100
19	M115	X	0	0	0 %100
20	M115	Z	-4.942	-4.942	0 %100
21	M117	X	0	0	0 %100
22	M117	Z	0	0	0 %100
23	M118	X	0	0	0 %100
24	M118	Z	-4.692	-4.692	0 %100
25	M120	X	0	0	0 %100
26	M120	Z	-4.942	-4.942	0 %100
27	M125	X	0	0	0 %100
28	M125	Z	0	0	0 %100
29	M126	X	0	0	0 %100
30	M126	Z	-8.188	-8.188	0 %100
31	M127	X	0	0	0 %100
32	M127	Z	-2.309	-2.309	0 %100
33	M128	X	0	0	0 %100
34	M128	Z	-2.309	-2.309	0 %100
35	M129	X	0	0	0 %100
36	M129	Z	-4.606	-4.606	0 %100
37	M132	X	0	0	0 %100
38	M132	Z	-2.558	-2.558	0 %100
39	M133	X	0	0	0 %100
40	M133	Z	-10.231	-10.231	0 %100
41	M137	X	0	0	0 %100
42	M137	Z	-13.819	-13.819	0 %100
43	M138	X	0	0	0 %100
44	M138	Z	-4.692	-4.692	0 %100
45	M140	X	0	0	0 %100
46	M140	Z	-4.942	-4.942	0 %100
47	M142	X	0	0	0 %100
48	M142	Z	-13.819	-13.819	0 %100
49	M143	X	0	0	0 %100
50	M143	Z	-18.766	-18.766	0 %100
51	M145	X	0	0	0 %100
52	M145	Z	-19.766	-19.766	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
53	M150	X	0	0	0	%100
54	M150	Z	-6.526	-6.526	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	-8.188	-8.188	0	%100
57	M152	X	0	0	0	%100
58	M152	Z	-2.309	-2.309	0	%100
59	M153	X	0	0	0	%100
60	M153	Z	-2.309	-2.309	0	%100
61	M154	X	0	0	0	%100
62	M154	Z	-4.606	-4.606	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	-10.231	-10.231	0	%100
65	M158	X	0	0	0	%100
66	M158	Z	-2.558	-2.558	0	%100
67	M162	X	0	0	0	%100
68	M162	Z	-13.819	-13.819	0	%100
69	M163	X	0	0	0	%100
70	M163	Z	-18.766	-18.766	0	%100
71	M165	X	0	0	0	%100
72	M165	Z	-19.766	-19.766	0	%100
73	M167	X	0	0	0	%100
74	M167	Z	-13.819	-13.819	0	%100
75	M168	X	0	0	0	%100
76	M168	Z	-4.692	-4.692	0	%100
77	M170	X	0	0	0	%100
78	M170	Z	-4.942	-4.942	0	%100
79	M175	X	0	0	0	%100
80	M175	Z	-6.526	-6.526	0	%100
81	M176	X	0	0	0	%100
82	M176	Z	-2.687	-2.687	0	%100
83	M177	X	0	0	0	%100
84	M177	Z	-2.687	-2.687	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-7.293	-7.293	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-7.293	-7.293	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-7.293	-7.293	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-7.293	-7.293	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-7.293	-7.293	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-7.293	-7.293	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-7.293	-7.293	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-7.293	-7.293	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-7.293	-7.293	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-7.293	-7.293	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-7.293	-7.293	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-7.293	-7.293	0	%100
109	OVP1	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
110	OVP1	Z	-5.964	-5.964	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	-8.829	-8.829	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	-2.207	-2.207	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	-2.207	-2.207	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	-2.303	-2.303	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	-2.303	-2.303	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-9.213	-9.213	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
1	M100	X	4.031	4.031	0	%100
2	M100	Z	-6.981	-6.981	0	%100
3	M101	X	1.365	1.365	0	%100
4	M101	Z	-2.364	-2.364	0	%100
5	M102	X	3.464	3.464	0	%100
6	M102	Z	-6	-6	0	%100
7	M103	X	3.464	3.464	0	%100
8	M103	Z	-6	-6	0	%100
9	M104	X	6.909	6.909	0	%100
10	M104	Z	-11.968	-11.968	0	%100
11	M107	X	3.837	3.837	0	%100
12	M107	Z	-6.645	-6.645	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	2.303	2.303	0	%100
16	M112	Z	-3.989	-3.989	0	%100
17	M113	X	7.037	7.037	0	%100
18	M113	Z	-12.189	-12.189	0	%100
19	M115	X	7.412	7.412	0	%100
20	M115	Z	-12.839	-12.839	0	%100
21	M117	X	2.303	2.303	0	%100
22	M117	Z	-3.989	-3.989	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	1.088	1.088	0	%100
28	M125	Z	-1.884	-1.884	0	%100
29	M126	X	1.365	1.365	0	%100
30	M126	Z	-2.364	-2.364	0	%100
31	M127	X	3.464	3.464	0	%100
32	M127	Z	-6	-6	0	%100
33	M128	X	3.464	3.464	0	%100
34	M128	Z	-6	-6	0	%100
35	M129	X	6.909	6.909	0	%100
36	M129	Z	-11.968	-11.968	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	3.837	3.837	0	%100
40	M133	Z	-6.645	-6.645	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
41	M137	X	2.303	2.303	0 %100
42	M137	Z	-3.989	-3.989	0 %100
43	M138	X	0	0	0 %100
44	M138	Z	0	0	0 %100
45	M140	X	0	0	0 %100
46	M140	Z	0	0	0 %100
47	M142	X	2.303	2.303	0 %100
48	M142	Z	-3.989	-3.989	0 %100
49	M143	X	7.037	7.037	0 %100
50	M143	Z	-12.189	-12.189	0 %100
51	M145	X	7.412	7.412	0 %100
52	M145	Z	-12.839	-12.839	0 %100
53	M150	X	1.088	1.088	0 %100
54	M150	Z	-1.884	-1.884	0 %100
55	M151	X	5.458	5.458	0 %100
56	M151	Z	-9.454	-9.454	0 %100
57	M152	X	0	0	0 %100
58	M152	Z	0	0	0 %100
59	M153	X	0	0	0 %100
60	M153	Z	0	0	0 %100
61	M154	X	0	0	0 %100
62	M154	Z	0	0	0 %100
63	M157	X	3.837	3.837	0 %100
64	M157	Z	-6.645	-6.645	0 %100
65	M158	X	3.837	3.837	0 %100
66	M158	Z	-6.645	-6.645	0 %100
67	M162	X	9.213	9.213	0 %100
68	M162	Z	-15.957	-15.957	0 %100
69	M163	X	7.037	7.037	0 %100
70	M163	Z	-12.189	-12.189	0 %100
71	M165	X	7.412	7.412	0 %100
72	M165	Z	-12.839	-12.839	0 %100
73	M167	X	9.213	9.213	0 %100
74	M167	Z	-15.957	-15.957	0 %100
75	M168	X	7.037	7.037	0 %100
76	M168	Z	-12.189	-12.189	0 %100
77	M170	X	7.412	7.412	0 %100
78	M170	Z	-12.839	-12.839	0 %100
79	M175	X	4.35	4.35	0 %100
80	M175	Z	-7.535	-7.535	0 %100
81	M176	X	4.031	4.031	0 %100
82	M176	Z	-6.981	-6.981	0 %100
83	M177	X	0	0	0 %100
84	M177	Z	0	0	0 %100
85	MP1A	X	3.647	3.647	0 %100
86	MP1A	Z	-6.316	-6.316	0 %100
87	MP2A	X	3.647	3.647	0 %100
88	MP2A	Z	-6.316	-6.316	0 %100
89	MP3A	X	3.647	3.647	0 %100
90	MP3A	Z	-6.316	-6.316	0 %100
91	MP4A	X	3.647	3.647	0 %100
92	MP4A	Z	-6.316	-6.316	0 %100
93	MP1C	X	3.647	3.647	0 %100
94	MP1C	Z	-6.316	-6.316	0 %100
95	MP2C	X	3.647	3.647	0 %100
96	MP2C	Z	-6.316	-6.316	0 %100
97	MP3C	X	3.647	3.647	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
98	MP3C	Z	-6.316	-6.316	0	%100
99	MP4C	X	3.647	3.647	0	%100
100	MP4C	Z	-6.316	-6.316	0	%100
101	MP1B	X	3.647	3.647	0	%100
102	MP1B	Z	-6.316	-6.316	0	%100
103	MP2B	X	3.647	3.647	0	%100
104	MP2B	Z	-6.316	-6.316	0	%100
105	MP3B	X	3.647	3.647	0	%100
106	MP3B	Z	-6.316	-6.316	0	%100
107	MP4B	X	3.647	3.647	0	%100
108	MP4B	Z	-6.316	-6.316	0	%100
109	OVP1	X	2.982	2.982	0	%100
110	OVP1	Z	-5.165	-5.165	0	%100
111	M105A	X	3.311	3.311	0	%100
112	M105A	Z	-5.734	-5.734	0	%100
113	M112A	X	3.311	3.311	0	%100
114	M112A	Z	-5.734	-5.734	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	3.455	3.455	0	%100
118	M126A	Z	-5.984	-5.984	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	3.455	3.455	0	%100
122	M128A	Z	-5.984	-5.984	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	2.327	2.327	0	%100
2	M100	Z	-1.344	-1.344	0	%100
3	M101	X	7.091	7.091	0	%100
4	M101	Z	-4.094	-4.094	0	%100
5	M102	X	2	2	0	%100
6	M102	Z	-1.155	-1.155	0	%100
7	M103	X	2	2	0	%100
8	M103	Z	-1.155	-1.155	0	%100
9	M104	X	3.989	3.989	0	%100
10	M104	Z	-2.303	-2.303	0	%100
11	M107	X	8.86	8.86	0	%100
12	M107	Z	-5.116	-5.116	0	%100
13	M108	X	2.215	2.215	0	%100
14	M108	Z	-1.279	-1.279	0	%100
15	M112	X	11.968	11.968	0	%100
16	M112	Z	-6.909	-6.909	0	%100
17	M113	X	16.252	16.252	0	%100
18	M113	Z	-9.383	-9.383	0	%100
19	M115	X	17.118	17.118	0	%100
20	M115	Z	-9.883	-9.883	0	%100
21	M117	X	11.968	11.968	0	%100
22	M117	Z	-6.909	-6.909	0	%100
23	M118	X	4.063	4.063	0	%100
24	M118	Z	-2.346	-2.346	0	%100
25	M120	X	4.28	4.28	0	%100
26	M120	Z	-2.471	-2.471	0	%100
27	M125	X	5.651	5.651	0	%100
28	M125	Z	-3.263	-3.263	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	8	8	0	%100
32	M127	Z	-4.619	-4.619	0	%100
33	M128	X	8	8	0	%100
34	M128	Z	-4.619	-4.619	0	%100
35	M129	X	15.957	15.957	0	%100
36	M129	Z	-9.213	-9.213	0	%100
37	M132	X	2.215	2.215	0	%100
38	M132	Z	-1.279	-1.279	0	%100
39	M133	X	2.215	2.215	0	%100
40	M133	Z	-1.279	-1.279	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	4.063	4.063	0	%100
44	M138	Z	-2.346	-2.346	0	%100
45	M140	X	4.28	4.28	0	%100
46	M140	Z	-2.471	-2.471	0	%100
47	M142	X	0	0	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	4.063	4.063	0	%100
50	M143	Z	-2.346	-2.346	0	%100
51	M145	X	4.28	4.28	0	%100
52	M145	Z	-2.471	-2.471	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	7.091	7.091	0	%100
56	M151	Z	-4.094	-4.094	0	%100
57	M152	X	2	2	0	%100
58	M152	Z	-1.155	-1.155	0	%100
59	M153	X	2	2	0	%100
60	M153	Z	-1.155	-1.155	0	%100
61	M154	X	3.989	3.989	0	%100
62	M154	Z	-2.303	-2.303	0	%100
63	M157	X	2.215	2.215	0	%100
64	M157	Z	-1.279	-1.279	0	%100
65	M158	X	8.86	8.86	0	%100
66	M158	Z	-5.116	-5.116	0	%100
67	M162	X	11.968	11.968	0	%100
68	M162	Z	-6.909	-6.909	0	%100
69	M163	X	4.063	4.063	0	%100
70	M163	Z	-2.346	-2.346	0	%100
71	M165	X	4.28	4.28	0	%100
72	M165	Z	-2.471	-2.471	0	%100
73	M167	X	11.968	11.968	0	%100
74	M167	Z	-6.909	-6.909	0	%100
75	M168	X	16.252	16.252	0	%100
76	M168	Z	-9.383	-9.383	0	%100
77	M170	X	17.118	17.118	0	%100
78	M170	Z	-9.883	-9.883	0	%100
79	M175	X	5.651	5.651	0	%100
80	M175	Z	-3.263	-3.263	0	%100
81	M176	X	9.308	9.308	0	%100
82	M176	Z	-5.374	-5.374	0	%100
83	M177	X	2.327	2.327	0	%100
84	M177	Z	-1.344	-1.344	0	%100
85	MP1A	X	6.316	6.316	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
86	MP1A	Z	-3.647	-3.647	0	%100
87	MP2A	X	6.316	6.316	0	%100
88	MP2A	Z	-3.647	-3.647	0	%100
89	MP3A	X	6.316	6.316	0	%100
90	MP3A	Z	-3.647	-3.647	0	%100
91	MP4A	X	6.316	6.316	0	%100
92	MP4A	Z	-3.647	-3.647	0	%100
93	MP1C	X	6.316	6.316	0	%100
94	MP1C	Z	-3.647	-3.647	0	%100
95	MP2C	X	6.316	6.316	0	%100
96	MP2C	Z	-3.647	-3.647	0	%100
97	MP3C	X	6.316	6.316	0	%100
98	MP3C	Z	-3.647	-3.647	0	%100
99	MP4C	X	6.316	6.316	0	%100
100	MP4C	Z	-3.647	-3.647	0	%100
101	MP1B	X	6.316	6.316	0	%100
102	MP1B	Z	-3.647	-3.647	0	%100
103	MP2B	X	6.316	6.316	0	%100
104	MP2B	Z	-3.647	-3.647	0	%100
105	MP3B	X	6.316	6.316	0	%100
106	MP3B	Z	-3.647	-3.647	0	%100
107	MP4B	X	6.316	6.316	0	%100
108	MP4B	Z	-3.647	-3.647	0	%100
109	OVP1	X	5.165	5.165	0	%100
110	OVP1	Z	-2.982	-2.982	0	%100
111	M105A	X	1.911	1.911	0	%100
112	M105A	Z	-1.104	-1.104	0	%100
113	M112A	X	7.646	7.646	0	%100
114	M112A	Z	-4.414	-4.414	0	%100
115	M119A	X	1.911	1.911	0	%100
116	M119A	Z	-1.104	-1.104	0	%100
117	M126A	X	7.978	7.978	0	%100
118	M126A	Z	-4.606	-4.606	0	%100
119	M127A	X	1.995	1.995	0	%100
120	M127A	Z	-1.152	-1.152	0	%100
121	M128A	X	1.995	1.995	0	%100
122	M128A	Z	-1.152	-1.152	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	10.917	10.917	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	0	0	0	%100
11	M107	X	7.673	7.673	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	7.673	7.673	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	18.425	18.425	0	%100
16	M112	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
17	M113	X	14.075	14.075	0 %100
18	M113	Z	0	0	0 %100
19	M115	X	14.825	14.825	0 %100
20	M115	Z	0	0	0 %100
21	M117	X	18.425	18.425	0 %100
22	M117	Z	0	0	0 %100
23	M118	X	14.075	14.075	0 %100
24	M118	Z	0	0	0 %100
25	M120	X	14.825	14.825	0 %100
26	M120	Z	0	0	0 %100
27	M125	X	8.701	8.701	0 %100
28	M125	Z	0	0	0 %100
29	M126	X	2.729	2.729	0 %100
30	M126	Z	0	0	0 %100
31	M127	X	6.928	6.928	0 %100
32	M127	Z	0	0	0 %100
33	M128	X	6.928	6.928	0 %100
34	M128	Z	0	0	0 %100
35	M129	X	13.819	13.819	0 %100
36	M129	Z	0	0	0 %100
37	M132	X	7.673	7.673	0 %100
38	M132	Z	0	0	0 %100
39	M133	X	0	0	0 %100
40	M133	Z	0	0	0 %100
41	M137	X	4.606	4.606	0 %100
42	M137	Z	0	0	0 %100
43	M138	X	14.075	14.075	0 %100
44	M138	Z	0	0	0 %100
45	M140	X	14.825	14.825	0 %100
46	M140	Z	0	0	0 %100
47	M142	X	4.606	4.606	0 %100
48	M142	Z	0	0	0 %100
49	M143	X	0	0	0 %100
50	M143	Z	0	0	0 %100
51	M145	X	0	0	0 %100
52	M145	Z	0	0	0 %100
53	M150	X	2.175	2.175	0 %100
54	M150	Z	0	0	0 %100
55	M151	X	2.729	2.729	0 %100
56	M151	Z	0	0	0 %100
57	M152	X	6.928	6.928	0 %100
58	M152	Z	0	0	0 %100
59	M153	X	6.928	6.928	0 %100
60	M153	Z	0	0	0 %100
61	M154	X	13.819	13.819	0 %100
62	M154	Z	0	0	0 %100
63	M157	X	0	0	0 %100
64	M157	Z	0	0	0 %100
65	M158	X	7.673	7.673	0 %100
66	M158	Z	0	0	0 %100
67	M162	X	4.606	4.606	0 %100
68	M162	Z	0	0	0 %100
69	M163	X	0	0	0 %100
70	M163	Z	0	0	0 %100
71	M165	X	0	0	0 %100
72	M165	Z	0	0	0 %100
73	M167	X	4.606	4.606	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
74	M167	Z	0	0	0	%100
75	M168	X	14.075	14.075	0	%100
76	M168	Z	0	0	0	%100
77	M170	X	14.825	14.825	0	%100
78	M170	Z	0	0	0	%100
79	M175	X	2.175	2.175	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	8.061	8.061	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	8.061	8.061	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	7.293	7.293	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	7.293	7.293	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	7.293	7.293	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	7.293	7.293	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	7.293	7.293	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	7.293	7.293	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	7.293	7.293	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	7.293	7.293	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	7.293	7.293	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	7.293	7.293	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	7.293	7.293	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	7.293	7.293	0	%100
108	MP4B	Z	0	0	0	%100
109	OVP1	X	5.964	5.964	0	%100
110	OVP1	Z	0	0	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	0	0	0	%100
113	M112A	X	6.622	6.622	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	6.622	6.622	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	6.909	6.909	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	6.909	6.909	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M100	X	2.327	2.327	0	%100
2	M100	Z	1.344	1.344	0	%100
3	M101	X	7.091	7.091	0	%100
4	M101	Z	4.094	4.094	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
5	M102	X	2	2	0 %100
6	M102	Z	1.155	1.155	0 %100
7	M103	X	2	2	0 %100
8	M103	Z	1.155	1.155	0 %100
9	M104	X	3.989	3.989	0 %100
10	M104	Z	2.303	2.303	0 %100
11	M107	X	2.215	2.215	0 %100
12	M107	Z	1.279	1.279	0 %100
13	M108	X	8.86	8.86	0 %100
14	M108	Z	5.116	5.116	0 %100
15	M112	X	11.968	11.968	0 %100
16	M112	Z	6.909	6.909	0 %100
17	M113	X	4.063	4.063	0 %100
18	M113	Z	2.346	2.346	0 %100
19	M115	X	4.28	4.28	0 %100
20	M115	Z	2.471	2.471	0 %100
21	M117	X	11.968	11.968	0 %100
22	M117	Z	6.909	6.909	0 %100
23	M118	X	16.252	16.252	0 %100
24	M118	Z	9.383	9.383	0 %100
25	M120	X	17.118	17.118	0 %100
26	M120	Z	9.883	9.883	0 %100
27	M125	X	5.651	5.651	0 %100
28	M125	Z	3.263	3.263	0 %100
29	M126	X	7.091	7.091	0 %100
30	M126	Z	4.094	4.094	0 %100
31	M127	X	2	2	0 %100
32	M127	Z	1.155	1.155	0 %100
33	M128	X	2	2	0 %100
34	M128	Z	1.155	1.155	0 %100
35	M129	X	3.989	3.989	0 %100
36	M129	Z	2.303	2.303	0 %100
37	M132	X	8.86	8.86	0 %100
38	M132	Z	5.116	5.116	0 %100
39	M133	X	2.215	2.215	0 %100
40	M133	Z	1.279	1.279	0 %100
41	M137	X	11.968	11.968	0 %100
42	M137	Z	6.909	6.909	0 %100
43	M138	X	16.252	16.252	0 %100
44	M138	Z	9.383	9.383	0 %100
45	M140	X	17.118	17.118	0 %100
46	M140	Z	9.883	9.883	0 %100
47	M142	X	11.968	11.968	0 %100
48	M142	Z	6.909	6.909	0 %100
49	M143	X	4.063	4.063	0 %100
50	M143	Z	2.346	2.346	0 %100
51	M145	X	4.28	4.28	0 %100
52	M145	Z	2.471	2.471	0 %100
53	M150	X	5.651	5.651	0 %100
54	M150	Z	3.263	3.263	0 %100
55	M151	X	0	0	0 %100
56	M151	Z	0	0	0 %100
57	M152	X	8	8	0 %100
58	M152	Z	4.619	4.619	0 %100
59	M153	X	8	8	0 %100
60	M153	Z	4.619	4.619	0 %100
61	M154	X	15.957	15.957	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
62	M154	Z	9.213	9.213	0	%100
63	M157	X	2.215	2.215	0	%100
64	M157	Z	1.279	1.279	0	%100
65	M158	X	2.215	2.215	0	%100
66	M158	Z	1.279	1.279	0	%100
67	M162	X	0	0	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	4.063	4.063	0	%100
70	M163	Z	2.346	2.346	0	%100
71	M165	X	4.28	4.28	0	%100
72	M165	Z	2.471	2.471	0	%100
73	M167	X	0	0	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	4.063	4.063	0	%100
76	M168	Z	2.346	2.346	0	%100
77	M170	X	4.28	4.28	0	%100
78	M170	Z	2.471	2.471	0	%100
79	M175	X	0	0	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	2.327	2.327	0	%100
82	M176	Z	1.344	1.344	0	%100
83	M177	X	9.308	9.308	0	%100
84	M177	Z	5.374	5.374	0	%100
85	MP1A	X	6.316	6.316	0	%100
86	MP1A	Z	3.647	3.647	0	%100
87	MP2A	X	6.316	6.316	0	%100
88	MP2A	Z	3.647	3.647	0	%100
89	MP3A	X	6.316	6.316	0	%100
90	MP3A	Z	3.647	3.647	0	%100
91	MP4A	X	6.316	6.316	0	%100
92	MP4A	Z	3.647	3.647	0	%100
93	MP1C	X	6.316	6.316	0	%100
94	MP1C	Z	3.647	3.647	0	%100
95	MP2C	X	6.316	6.316	0	%100
96	MP2C	Z	3.647	3.647	0	%100
97	MP3C	X	6.316	6.316	0	%100
98	MP3C	Z	3.647	3.647	0	%100
99	MP4C	X	6.316	6.316	0	%100
100	MP4C	Z	3.647	3.647	0	%100
101	MP1B	X	6.316	6.316	0	%100
102	MP1B	Z	3.647	3.647	0	%100
103	MP2B	X	6.316	6.316	0	%100
104	MP2B	Z	3.647	3.647	0	%100
105	MP3B	X	6.316	6.316	0	%100
106	MP3B	Z	3.647	3.647	0	%100
107	MP4B	X	6.316	6.316	0	%100
108	MP4B	Z	3.647	3.647	0	%100
109	OVP1	X	5.165	5.165	0	%100
110	OVP1	Z	2.982	2.982	0	%100
111	M105A	X	1.911	1.911	0	%100
112	M105A	Z	1.104	1.104	0	%100
113	M112A	X	1.911	1.911	0	%100
114	M112A	Z	1.104	1.104	0	%100
115	M119A	X	7.646	7.646	0	%100
116	M119A	Z	4.414	4.414	0	%100
117	M126A	X	1.995	1.995	0	%100
118	M126A	Z	1.152	1.152	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
119	M127A	X	7.978	7.978	0	%100
120	M127A	Z	4.606	4.606	0	%100
121	M128A	X	1.995	1.995	0	%100
122	M128A	Z	1.152	1.152	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M100	X	4.031	4.031	0	%100
2	M100	Z	6.981	6.981	0	%100
3	M101	X	1.365	1.365	0	%100
4	M101	Z	2.364	2.364	0	%100
5	M102	X	3.464	3.464	0	%100
6	M102	Z	6	6	0	%100
7	M103	X	3.464	3.464	0	%100
8	M103	Z	6	6	0	%100
9	M104	X	6.909	6.909	0	%100
10	M104	Z	11.968	11.968	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	3.837	3.837	0	%100
14	M108	Z	6.645	6.645	0	%100
15	M112	X	2.303	2.303	0	%100
16	M112	Z	3.989	3.989	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	2.303	2.303	0	%100
22	M117	Z	3.989	3.989	0	%100
23	M118	X	7.037	7.037	0	%100
24	M118	Z	12.189	12.189	0	%100
25	M120	X	7.412	7.412	0	%100
26	M120	Z	12.839	12.839	0	%100
27	M125	X	1.088	1.088	0	%100
28	M125	Z	1.884	1.884	0	%100
29	M126	X	5.458	5.458	0	%100
30	M126	Z	9.454	9.454	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	3.837	3.837	0	%100
38	M132	Z	6.645	6.645	0	%100
39	M133	X	3.837	3.837	0	%100
40	M133	Z	6.645	6.645	0	%100
41	M137	X	9.213	9.213	0	%100
42	M137	Z	15.957	15.957	0	%100
43	M138	X	7.037	7.037	0	%100
44	M138	Z	12.189	12.189	0	%100
45	M140	X	7.412	7.412	0	%100
46	M140	Z	12.839	12.839	0	%100
47	M142	X	9.213	9.213	0	%100
48	M142	Z	15.957	15.957	0	%100
49	M143	X	7.037	7.037	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
50	M143	Z	12.189	12.189	0	%100
51	M145	X	7.412	7.412	0	%100
52	M145	Z	12.839	12.839	0	%100
53	M150	X	4.35	4.35	0	%100
54	M150	Z	7.535	7.535	0	%100
55	M151	X	1.365	1.365	0	%100
56	M151	Z	2.364	2.364	0	%100
57	M152	X	3.464	3.464	0	%100
58	M152	Z	6	6	0	%100
59	M153	X	3.464	3.464	0	%100
60	M153	Z	6	6	0	%100
61	M154	X	6.909	6.909	0	%100
62	M154	Z	11.968	11.968	0	%100
63	M157	X	3.837	3.837	0	%100
64	M157	Z	6.645	6.645	0	%100
65	M158	X	0	0	0	%100
66	M158	Z	0	0	0	%100
67	M162	X	2.303	2.303	0	%100
68	M162	Z	3.989	3.989	0	%100
69	M163	X	7.037	7.037	0	%100
70	M163	Z	12.189	12.189	0	%100
71	M165	X	7.412	7.412	0	%100
72	M165	Z	12.839	12.839	0	%100
73	M167	X	2.303	2.303	0	%100
74	M167	Z	3.989	3.989	0	%100
75	M168	X	0	0	0	%100
76	M168	Z	0	0	0	%100
77	M170	X	0	0	0	%100
78	M170	Z	0	0	0	%100
79	M175	X	1.088	1.088	0	%100
80	M175	Z	1.884	1.884	0	%100
81	M176	X	0	0	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	4.031	4.031	0	%100
84	M177	Z	6.981	6.981	0	%100
85	MP1A	X	3.647	3.647	0	%100
86	MP1A	Z	6.316	6.316	0	%100
87	MP2A	X	3.647	3.647	0	%100
88	MP2A	Z	6.316	6.316	0	%100
89	MP3A	X	3.647	3.647	0	%100
90	MP3A	Z	6.316	6.316	0	%100
91	MP4A	X	3.647	3.647	0	%100
92	MP4A	Z	6.316	6.316	0	%100
93	MP1C	X	3.647	3.647	0	%100
94	MP1C	Z	6.316	6.316	0	%100
95	MP2C	X	3.647	3.647	0	%100
96	MP2C	Z	6.316	6.316	0	%100
97	MP3C	X	3.647	3.647	0	%100
98	MP3C	Z	6.316	6.316	0	%100
99	MP4C	X	3.647	3.647	0	%100
100	MP4C	Z	6.316	6.316	0	%100
101	MP1B	X	3.647	3.647	0	%100
102	MP1B	Z	6.316	6.316	0	%100
103	MP2B	X	3.647	3.647	0	%100
104	MP2B	Z	6.316	6.316	0	%100
105	MP3B	X	3.647	3.647	0	%100
106	MP3B	Z	6.316	6.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
107	MP4B	X	3.647	3.647	0	%100
108	MP4B	Z	6.316	6.316	0	%100
109	OVP1	X	2.982	2.982	0	%100
110	OVP1	Z	5.165	5.165	0	%100
111	M105A	X	3.311	3.311	0	%100
112	M105A	Z	5.734	5.734	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	3.311	3.311	0	%100
116	M119A	Z	5.734	5.734	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	3.455	3.455	0	%100
120	M127A	Z	5.984	5.984	0	%100
121	M128A	X	3.455	3.455	0	%100
122	M128A	Z	5.984	5.984	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	0	0	0	%100
2	M100	Z	10.748	10.748	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	9.237	9.237	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	9.237	9.237	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	18.425	18.425	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	2.558	2.558	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	2.558	2.558	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	4.692	4.692	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	4.942	4.942	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	4.692	4.692	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	4.942	4.942	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	8.188	8.188	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	2.309	2.309	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	2.309	2.309	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	4.606	4.606	0	%100
37	M132	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
38	M132	Z	2.558	2.558	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	10.231	10.231	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	13.819	13.819	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	4.692	4.692	0	%100
45	M140	X	0	0	0	%100
46	M140	Z	4.942	4.942	0	%100
47	M142	X	0	0	0	%100
48	M142	Z	13.819	13.819	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	18.766	18.766	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	19.766	19.766	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	6.526	6.526	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	8.188	8.188	0	%100
57	M152	X	0	0	0	%100
58	M152	Z	2.309	2.309	0	%100
59	M153	X	0	0	0	%100
60	M153	Z	2.309	2.309	0	%100
61	M154	X	0	0	0	%100
62	M154	Z	4.606	4.606	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	10.231	10.231	0	%100
65	M158	X	0	0	0	%100
66	M158	Z	2.558	2.558	0	%100
67	M162	X	0	0	0	%100
68	M162	Z	13.819	13.819	0	%100
69	M163	X	0	0	0	%100
70	M163	Z	18.766	18.766	0	%100
71	M165	X	0	0	0	%100
72	M165	Z	19.766	19.766	0	%100
73	M167	X	0	0	0	%100
74	M167	Z	13.819	13.819	0	%100
75	M168	X	0	0	0	%100
76	M168	Z	4.692	4.692	0	%100
77	M170	X	0	0	0	%100
78	M170	Z	4.942	4.942	0	%100
79	M175	X	0	0	0	%100
80	M175	Z	6.526	6.526	0	%100
81	M176	X	0	0	0	%100
82	M176	Z	2.687	2.687	0	%100
83	M177	X	0	0	0	%100
84	M177	Z	2.687	2.687	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	7.293	7.293	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	7.293	7.293	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	7.293	7.293	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	7.293	7.293	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	7.293	7.293	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
95	MP2C	X	0	0	0	%100
96	MP2C	Z	7.293	7.293	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	7.293	7.293	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	7.293	7.293	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	7.293	7.293	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	7.293	7.293	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	7.293	7.293	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	7.293	7.293	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	5.964	5.964	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	8.829	8.829	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	2.207	2.207	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	2.207	2.207	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	2.303	2.303	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	2.303	2.303	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	9.213	9.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	-4.031	-4.031	0	%100
2	M100	Z	6.981	6.981	0	%100
3	M101	X	-1.365	-1.365	0	%100
4	M101	Z	2.364	2.364	0	%100
5	M102	X	-3.464	-3.464	0	%100
6	M102	Z	6	6	0	%100
7	M103	X	-3.464	-3.464	0	%100
8	M103	Z	6	6	0	%100
9	M104	X	-6.909	-6.909	0	%100
10	M104	Z	11.968	11.968	0	%100
11	M107	X	-3.837	-3.837	0	%100
12	M107	Z	6.645	6.645	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	-2.303	-2.303	0	%100
16	M112	Z	3.989	3.989	0	%100
17	M113	X	-7.037	-7.037	0	%100
18	M113	Z	12.189	12.189	0	%100
19	M115	X	-7.412	-7.412	0	%100
20	M115	Z	12.839	12.839	0	%100
21	M117	X	-2.303	-2.303	0	%100
22	M117	Z	3.989	3.989	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
26	M120	Z	0	0	0	%100
27	M125	X	-1.088	-1.088	0	%100
28	M125	Z	1.884	1.884	0	%100
29	M126	X	-1.365	-1.365	0	%100
30	M126	Z	2.364	2.364	0	%100
31	M127	X	-3.464	-3.464	0	%100
32	M127	Z	6	6	0	%100
33	M128	X	-3.464	-3.464	0	%100
34	M128	Z	6	6	0	%100
35	M129	X	-6.909	-6.909	0	%100
36	M129	Z	11.968	11.968	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	-3.837	-3.837	0	%100
40	M133	Z	6.645	6.645	0	%100
41	M137	X	-2.303	-2.303	0	%100
42	M137	Z	3.989	3.989	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	0	0	0	%100
46	M140	Z	0	0	0	%100
47	M142	X	-2.303	-2.303	0	%100
48	M142	Z	3.989	3.989	0	%100
49	M143	X	-7.037	-7.037	0	%100
50	M143	Z	12.189	12.189	0	%100
51	M145	X	-7.412	-7.412	0	%100
52	M145	Z	12.839	12.839	0	%100
53	M150	X	-1.088	-1.088	0	%100
54	M150	Z	1.884	1.884	0	%100
55	M151	X	-5.458	-5.458	0	%100
56	M151	Z	9.454	9.454	0	%100
57	M152	X	0	0	0	%100
58	M152	Z	0	0	0	%100
59	M153	X	0	0	0	%100
60	M153	Z	0	0	0	%100
61	M154	X	0	0	0	%100
62	M154	Z	0	0	0	%100
63	M157	X	-3.837	-3.837	0	%100
64	M157	Z	6.645	6.645	0	%100
65	M158	X	-3.837	-3.837	0	%100
66	M158	Z	6.645	6.645	0	%100
67	M162	X	-9.213	-9.213	0	%100
68	M162	Z	15.957	15.957	0	%100
69	M163	X	-7.037	-7.037	0	%100
70	M163	Z	12.189	12.189	0	%100
71	M165	X	-7.412	-7.412	0	%100
72	M165	Z	12.839	12.839	0	%100
73	M167	X	-9.213	-9.213	0	%100
74	M167	Z	15.957	15.957	0	%100
75	M168	X	-7.037	-7.037	0	%100
76	M168	Z	12.189	12.189	0	%100
77	M170	X	-7.412	-7.412	0	%100
78	M170	Z	12.839	12.839	0	%100
79	M175	X	-4.35	-4.35	0	%100
80	M175	Z	7.535	7.535	0	%100
81	M176	X	-4.031	-4.031	0	%100
82	M176	Z	6.981	6.981	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
83	M177	X	0	0	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	-3.647	-3.647	0	%100
86	MP1A	Z	6.316	6.316	0	%100
87	MP2A	X	-3.647	-3.647	0	%100
88	MP2A	Z	6.316	6.316	0	%100
89	MP3A	X	-3.647	-3.647	0	%100
90	MP3A	Z	6.316	6.316	0	%100
91	MP4A	X	-3.647	-3.647	0	%100
92	MP4A	Z	6.316	6.316	0	%100
93	MP1C	X	-3.647	-3.647	0	%100
94	MP1C	Z	6.316	6.316	0	%100
95	MP2C	X	-3.647	-3.647	0	%100
96	MP2C	Z	6.316	6.316	0	%100
97	MP3C	X	-3.647	-3.647	0	%100
98	MP3C	Z	6.316	6.316	0	%100
99	MP4C	X	-3.647	-3.647	0	%100
100	MP4C	Z	6.316	6.316	0	%100
101	MP1B	X	-3.647	-3.647	0	%100
102	MP1B	Z	6.316	6.316	0	%100
103	MP2B	X	-3.647	-3.647	0	%100
104	MP2B	Z	6.316	6.316	0	%100
105	MP3B	X	-3.647	-3.647	0	%100
106	MP3B	Z	6.316	6.316	0	%100
107	MP4B	X	-3.647	-3.647	0	%100
108	MP4B	Z	6.316	6.316	0	%100
109	OVP1	X	-2.982	-2.982	0	%100
110	OVP1	Z	5.165	5.165	0	%100
111	M105A	X	-3.311	-3.311	0	%100
112	M105A	Z	5.734	5.734	0	%100
113	M112A	X	-3.311	-3.311	0	%100
114	M112A	Z	5.734	5.734	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	-3.455	-3.455	0	%100
118	M126A	Z	5.984	5.984	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	-3.455	-3.455	0	%100
122	M128A	Z	5.984	5.984	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	-2.327	-2.327	0	%100
2	M100	Z	1.344	1.344	0	%100
3	M101	X	-7.091	-7.091	0	%100
4	M101	Z	4.094	4.094	0	%100
5	M102	X	-2	-2	0	%100
6	M102	Z	1.155	1.155	0	%100
7	M103	X	-2	-2	0	%100
8	M103	Z	1.155	1.155	0	%100
9	M104	X	-3.989	-3.989	0	%100
10	M104	Z	2.303	2.303	0	%100
11	M107	X	-8.86	-8.86	0	%100
12	M107	Z	5.116	5.116	0	%100
13	M108	X	-2.215	-2.215	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
14	M108	Z	1.279	1.279	0 %100
15	M112	X	-11.968	-11.968	0 %100
16	M112	Z	6.909	6.909	0 %100
17	M113	X	-16.252	-16.252	0 %100
18	M113	Z	9.383	9.383	0 %100
19	M115	X	-17.118	-17.118	0 %100
20	M115	Z	9.883	9.883	0 %100
21	M117	X	-11.968	-11.968	0 %100
22	M117	Z	6.909	6.909	0 %100
23	M118	X	-4.063	-4.063	0 %100
24	M118	Z	2.346	2.346	0 %100
25	M120	X	-4.28	-4.28	0 %100
26	M120	Z	2.471	2.471	0 %100
27	M125	X	-5.651	-5.651	0 %100
28	M125	Z	3.263	3.263	0 %100
29	M126	X	0	0	0 %100
30	M126	Z	0	0	0 %100
31	M127	X	-8	-8	0 %100
32	M127	Z	4.619	4.619	0 %100
33	M128	X	-8	-8	0 %100
34	M128	Z	4.619	4.619	0 %100
35	M129	X	-15.957	-15.957	0 %100
36	M129	Z	9.213	9.213	0 %100
37	M132	X	-2.215	-2.215	0 %100
38	M132	Z	1.279	1.279	0 %100
39	M133	X	-2.215	-2.215	0 %100
40	M133	Z	1.279	1.279	0 %100
41	M137	X	0	0	0 %100
42	M137	Z	0	0	0 %100
43	M138	X	-4.063	-4.063	0 %100
44	M138	Z	2.346	2.346	0 %100
45	M140	X	-4.28	-4.28	0 %100
46	M140	Z	2.471	2.471	0 %100
47	M142	X	0	0	0 %100
48	M142	Z	0	0	0 %100
49	M143	X	-4.063	-4.063	0 %100
50	M143	Z	2.346	2.346	0 %100
51	M145	X	-4.28	-4.28	0 %100
52	M145	Z	2.471	2.471	0 %100
53	M150	X	0	0	0 %100
54	M150	Z	0	0	0 %100
55	M151	X	-7.091	-7.091	0 %100
56	M151	Z	4.094	4.094	0 %100
57	M152	X	-2	-2	0 %100
58	M152	Z	1.155	1.155	0 %100
59	M153	X	-2	-2	0 %100
60	M153	Z	1.155	1.155	0 %100
61	M154	X	-3.989	-3.989	0 %100
62	M154	Z	2.303	2.303	0 %100
63	M157	X	-2.215	-2.215	0 %100
64	M157	Z	1.279	1.279	0 %100
65	M158	X	-8.86	-8.86	0 %100
66	M158	Z	5.116	5.116	0 %100
67	M162	X	-11.968	-11.968	0 %100
68	M162	Z	6.909	6.909	0 %100
69	M163	X	-4.063	-4.063	0 %100
70	M163	Z	2.346	2.346	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
71	M165	X	-4.28	-4.28	0	%100
72	M165	Z	2.471	2.471	0	%100
73	M167	X	-11.968	-11.968	0	%100
74	M167	Z	6.909	6.909	0	%100
75	M168	X	-16.252	-16.252	0	%100
76	M168	Z	9.383	9.383	0	%100
77	M170	X	-17.118	-17.118	0	%100
78	M170	Z	9.883	9.883	0	%100
79	M175	X	-5.651	-5.651	0	%100
80	M175	Z	3.263	3.263	0	%100
81	M176	X	-9.308	-9.308	0	%100
82	M176	Z	5.374	5.374	0	%100
83	M177	X	-2.327	-2.327	0	%100
84	M177	Z	1.344	1.344	0	%100
85	MP1A	X	-6.316	-6.316	0	%100
86	MP1A	Z	3.647	3.647	0	%100
87	MP2A	X	-6.316	-6.316	0	%100
88	MP2A	Z	3.647	3.647	0	%100
89	MP3A	X	-6.316	-6.316	0	%100
90	MP3A	Z	3.647	3.647	0	%100
91	MP4A	X	-6.316	-6.316	0	%100
92	MP4A	Z	3.647	3.647	0	%100
93	MP1C	X	-6.316	-6.316	0	%100
94	MP1C	Z	3.647	3.647	0	%100
95	MP2C	X	-6.316	-6.316	0	%100
96	MP2C	Z	3.647	3.647	0	%100
97	MP3C	X	-6.316	-6.316	0	%100
98	MP3C	Z	3.647	3.647	0	%100
99	MP4C	X	-6.316	-6.316	0	%100
100	MP4C	Z	3.647	3.647	0	%100
101	MP1B	X	-6.316	-6.316	0	%100
102	MP1B	Z	3.647	3.647	0	%100
103	MP2B	X	-6.316	-6.316	0	%100
104	MP2B	Z	3.647	3.647	0	%100
105	MP3B	X	-6.316	-6.316	0	%100
106	MP3B	Z	3.647	3.647	0	%100
107	MP4B	X	-6.316	-6.316	0	%100
108	MP4B	Z	3.647	3.647	0	%100
109	OVP1	X	-5.165	-5.165	0	%100
110	OVP1	Z	2.982	2.982	0	%100
111	M105A	X	-1.911	-1.911	0	%100
112	M105A	Z	1.104	1.104	0	%100
113	M112A	X	-7.646	-7.646	0	%100
114	M112A	Z	4.414	4.414	0	%100
115	M119A	X	-1.911	-1.911	0	%100
116	M119A	Z	1.104	1.104	0	%100
117	M126A	X	-7.978	-7.978	0	%100
118	M126A	Z	4.606	4.606	0	%100
119	M127A	X	-1.995	-1.995	0	%100
120	M127A	Z	1.152	1.152	0	%100
121	M128A	X	-1.995	-1.995	0	%100
122	M128A	Z	1.152	1.152	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
2	M100	Z	0	0	0	%100
3	M101	X	-10.917	-10.917	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	0	0	0	%100
11	M107	X	-7.673	-7.673	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	-7.673	-7.673	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	-18.425	-18.425	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	-14.075	-14.075	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	-14.825	-14.825	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	-18.425	-18.425	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	-14.075	-14.075	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	-14.825	-14.825	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	-8.701	-8.701	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	-2.729	-2.729	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-6.928	-6.928	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	-6.928	-6.928	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	-13.819	-13.819	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	-7.673	-7.673	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	0	0	0	%100
41	M137	X	-4.606	-4.606	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	-14.075	-14.075	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	-14.825	-14.825	0	%100
46	M140	Z	0	0	0	%100
47	M142	X	-4.606	-4.606	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	0	0	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	0	0	0	%100
53	M150	X	-2.175	-2.175	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	-2.729	-2.729	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	-6.928	-6.928	0	%100
58	M152	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
59	M153	X	-6.928	-6.928	0 %100
60	M153	Z	0	0	0 %100
61	M154	X	-13.819	-13.819	0 %100
62	M154	Z	0	0	0 %100
63	M157	X	0	0	0 %100
64	M157	Z	0	0	0 %100
65	M158	X	-7.673	-7.673	0 %100
66	M158	Z	0	0	0 %100
67	M162	X	-4.606	-4.606	0 %100
68	M162	Z	0	0	0 %100
69	M163	X	0	0	0 %100
70	M163	Z	0	0	0 %100
71	M165	X	0	0	0 %100
72	M165	Z	0	0	0 %100
73	M167	X	-4.606	-4.606	0 %100
74	M167	Z	0	0	0 %100
75	M168	X	-14.075	-14.075	0 %100
76	M168	Z	0	0	0 %100
77	M170	X	-14.825	-14.825	0 %100
78	M170	Z	0	0	0 %100
79	M175	X	-2.175	-2.175	0 %100
80	M175	Z	0	0	0 %100
81	M176	X	-8.061	-8.061	0 %100
82	M176	Z	0	0	0 %100
83	M177	X	-8.061	-8.061	0 %100
84	M177	Z	0	0	0 %100
85	MP1A	X	-7.293	-7.293	0 %100
86	MP1A	Z	0	0	0 %100
87	MP2A	X	-7.293	-7.293	0 %100
88	MP2A	Z	0	0	0 %100
89	MP3A	X	-7.293	-7.293	0 %100
90	MP3A	Z	0	0	0 %100
91	MP4A	X	-7.293	-7.293	0 %100
92	MP4A	Z	0	0	0 %100
93	MP1C	X	-7.293	-7.293	0 %100
94	MP1C	Z	0	0	0 %100
95	MP2C	X	-7.293	-7.293	0 %100
96	MP2C	Z	0	0	0 %100
97	MP3C	X	-7.293	-7.293	0 %100
98	MP3C	Z	0	0	0 %100
99	MP4C	X	-7.293	-7.293	0 %100
100	MP4C	Z	0	0	0 %100
101	MP1B	X	-7.293	-7.293	0 %100
102	MP1B	Z	0	0	0 %100
103	MP2B	X	-7.293	-7.293	0 %100
104	MP2B	Z	0	0	0 %100
105	MP3B	X	-7.293	-7.293	0 %100
106	MP3B	Z	0	0	0 %100
107	MP4B	X	-7.293	-7.293	0 %100
108	MP4B	Z	0	0	0 %100
109	OVP1	X	-5.964	-5.964	0 %100
110	OVP1	Z	0	0	0 %100
111	M105A	X	0	0	0 %100
112	M105A	Z	0	0	0 %100
113	M112A	X	-6.622	-6.622	0 %100
114	M112A	Z	0	0	0 %100
115	M119A	X	-6.622	-6.622	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
116	M119A	Z	0	0	0	%100
117	M126A	X	-6.909	-6.909	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	-6.909	-6.909	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	-2.327	-2.327	0	%100
2	M100	Z	-1.344	-1.344	0	%100
3	M101	X	-7.091	-7.091	0	%100
4	M101	Z	-4.094	-4.094	0	%100
5	M102	X	-2	-2	0	%100
6	M102	Z	-1.155	-1.155	0	%100
7	M103	X	-2	-2	0	%100
8	M103	Z	-1.155	-1.155	0	%100
9	M104	X	-3.989	-3.989	0	%100
10	M104	Z	-2.303	-2.303	0	%100
11	M107	X	-2.215	-2.215	0	%100
12	M107	Z	-1.279	-1.279	0	%100
13	M108	X	-8.86	-8.86	0	%100
14	M108	Z	-5.116	-5.116	0	%100
15	M112	X	-11.968	-11.968	0	%100
16	M112	Z	-6.909	-6.909	0	%100
17	M113	X	-4.063	-4.063	0	%100
18	M113	Z	-2.346	-2.346	0	%100
19	M115	X	-4.28	-4.28	0	%100
20	M115	Z	-2.471	-2.471	0	%100
21	M117	X	-11.968	-11.968	0	%100
22	M117	Z	-6.909	-6.909	0	%100
23	M118	X	-16.252	-16.252	0	%100
24	M118	Z	-9.383	-9.383	0	%100
25	M120	X	-17.118	-17.118	0	%100
26	M120	Z	-9.883	-9.883	0	%100
27	M125	X	-5.651	-5.651	0	%100
28	M125	Z	-3.263	-3.263	0	%100
29	M126	X	-7.091	-7.091	0	%100
30	M126	Z	-4.094	-4.094	0	%100
31	M127	X	-2	-2	0	%100
32	M127	Z	-1.155	-1.155	0	%100
33	M128	X	-2	-2	0	%100
34	M128	Z	-1.155	-1.155	0	%100
35	M129	X	-3.989	-3.989	0	%100
36	M129	Z	-2.303	-2.303	0	%100
37	M132	X	-8.86	-8.86	0	%100
38	M132	Z	-5.116	-5.116	0	%100
39	M133	X	-2.215	-2.215	0	%100
40	M133	Z	-1.279	-1.279	0	%100
41	M137	X	-11.968	-11.968	0	%100
42	M137	Z	-6.909	-6.909	0	%100
43	M138	X	-16.252	-16.252	0	%100
44	M138	Z	-9.383	-9.383	0	%100
45	M140	X	-17.118	-17.118	0	%100
46	M140	Z	-9.883	-9.883	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.-%]	End Location[ft.-%]
47	M142	X	-11.968	-11.968	0	%100
48	M142	Z	-6.909	-6.909	0	%100
49	M143	X	-4.063	-4.063	0	%100
50	M143	Z	-2.346	-2.346	0	%100
51	M145	X	-4.28	-4.28	0	%100
52	M145	Z	-2.471	-2.471	0	%100
53	M150	X	-5.651	-5.651	0	%100
54	M150	Z	-3.263	-3.263	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	-8	-8	0	%100
58	M152	Z	-4.619	-4.619	0	%100
59	M153	X	-8	-8	0	%100
60	M153	Z	-4.619	-4.619	0	%100
61	M154	X	-15.957	-15.957	0	%100
62	M154	Z	-9.213	-9.213	0	%100
63	M157	X	-2.215	-2.215	0	%100
64	M157	Z	-1.279	-1.279	0	%100
65	M158	X	-2.215	-2.215	0	%100
66	M158	Z	-1.279	-1.279	0	%100
67	M162	X	0	0	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	-4.063	-4.063	0	%100
70	M163	Z	-2.346	-2.346	0	%100
71	M165	X	-4.28	-4.28	0	%100
72	M165	Z	-2.471	-2.471	0	%100
73	M167	X	0	0	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	-4.063	-4.063	0	%100
76	M168	Z	-2.346	-2.346	0	%100
77	M170	X	-4.28	-4.28	0	%100
78	M170	Z	-2.471	-2.471	0	%100
79	M175	X	0	0	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	-2.327	-2.327	0	%100
82	M176	Z	-1.344	-1.344	0	%100
83	M177	X	-9.308	-9.308	0	%100
84	M177	Z	-5.374	-5.374	0	%100
85	MP1A	X	-6.316	-6.316	0	%100
86	MP1A	Z	-3.647	-3.647	0	%100
87	MP2A	X	-6.316	-6.316	0	%100
88	MP2A	Z	-3.647	-3.647	0	%100
89	MP3A	X	-6.316	-6.316	0	%100
90	MP3A	Z	-3.647	-3.647	0	%100
91	MP4A	X	-6.316	-6.316	0	%100
92	MP4A	Z	-3.647	-3.647	0	%100
93	MP1C	X	-6.316	-6.316	0	%100
94	MP1C	Z	-3.647	-3.647	0	%100
95	MP2C	X	-6.316	-6.316	0	%100
96	MP2C	Z	-3.647	-3.647	0	%100
97	MP3C	X	-6.316	-6.316	0	%100
98	MP3C	Z	-3.647	-3.647	0	%100
99	MP4C	X	-6.316	-6.316	0	%100
100	MP4C	Z	-3.647	-3.647	0	%100
101	MP1B	X	-6.316	-6.316	0	%100
102	MP1B	Z	-3.647	-3.647	0	%100
103	MP2B	X	-6.316	-6.316	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
104	MP2B	Z	-3.647	-3.647	0	%100
105	MP3B	X	-6.316	-6.316	0	%100
106	MP3B	Z	-3.647	-3.647	0	%100
107	MP4B	X	-6.316	-6.316	0	%100
108	MP4B	Z	-3.647	-3.647	0	%100
109	OVP1	X	-5.165	-5.165	0	%100
110	OVP1	Z	-2.982	-2.982	0	%100
111	M105A	X	-1.911	-1.911	0	%100
112	M105A	Z	-1.104	-1.104	0	%100
113	M112A	X	-1.911	-1.911	0	%100
114	M112A	Z	-1.104	-1.104	0	%100
115	M119A	X	-7.646	-7.646	0	%100
116	M119A	Z	-4.414	-4.414	0	%100
117	M126A	X	-1.995	-1.995	0	%100
118	M126A	Z	-1.152	-1.152	0	%100
119	M127A	X	-7.978	-7.978	0	%100
120	M127A	Z	-4.606	-4.606	0	%100
121	M128A	X	-1.995	-1.995	0	%100
122	M128A	Z	-1.152	-1.152	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M100	X	-4.031	-4.031	0	%100
2	M100	Z	-6.981	-6.981	0	%100
3	M101	X	-1.365	-1.365	0	%100
4	M101	Z	-2.364	-2.364	0	%100
5	M102	X	-3.464	-3.464	0	%100
6	M102	Z	-6	-6	0	%100
7	M103	X	-3.464	-3.464	0	%100
8	M103	Z	-6	-6	0	%100
9	M104	X	-6.909	-6.909	0	%100
10	M104	Z	-11.968	-11.968	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	-3.837	-3.837	0	%100
14	M108	Z	-6.645	-6.645	0	%100
15	M112	X	-2.303	-2.303	0	%100
16	M112	Z	-3.989	-3.989	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	-2.303	-2.303	0	%100
22	M117	Z	-3.989	-3.989	0	%100
23	M118	X	-7.037	-7.037	0	%100
24	M118	Z	-12.189	-12.189	0	%100
25	M120	X	-7.412	-7.412	0	%100
26	M120	Z	-12.839	-12.839	0	%100
27	M125	X	-1.088	-1.088	0	%100
28	M125	Z	-1.884	-1.884	0	%100
29	M126	X	-5.458	-5.458	0	%100
30	M126	Z	-9.454	-9.454	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
35	M129	X	0	0	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	-3.837	-3.837	0	%100
38	M132	Z	-6.645	-6.645	0	%100
39	M133	X	-3.837	-3.837	0	%100
40	M133	Z	-6.645	-6.645	0	%100
41	M137	X	-9.213	-9.213	0	%100
42	M137	Z	-15.957	-15.957	0	%100
43	M138	X	-7.037	-7.037	0	%100
44	M138	Z	-12.189	-12.189	0	%100
45	M140	X	-7.412	-7.412	0	%100
46	M140	Z	-12.839	-12.839	0	%100
47	M142	X	-9.213	-9.213	0	%100
48	M142	Z	-15.957	-15.957	0	%100
49	M143	X	-7.037	-7.037	0	%100
50	M143	Z	-12.189	-12.189	0	%100
51	M145	X	-7.412	-7.412	0	%100
52	M145	Z	-12.839	-12.839	0	%100
53	M150	X	-4.35	-4.35	0	%100
54	M150	Z	-7.535	-7.535	0	%100
55	M151	X	-1.365	-1.365	0	%100
56	M151	Z	-2.364	-2.364	0	%100
57	M152	X	-3.464	-3.464	0	%100
58	M152	Z	-6	-6	0	%100
59	M153	X	-3.464	-3.464	0	%100
60	M153	Z	-6	-6	0	%100
61	M154	X	-6.909	-6.909	0	%100
62	M154	Z	-11.968	-11.968	0	%100
63	M157	X	-3.837	-3.837	0	%100
64	M157	Z	-6.645	-6.645	0	%100
65	M158	X	0	0	0	%100
66	M158	Z	0	0	0	%100
67	M162	X	-2.303	-2.303	0	%100
68	M162	Z	-3.989	-3.989	0	%100
69	M163	X	-7.037	-7.037	0	%100
70	M163	Z	-12.189	-12.189	0	%100
71	M165	X	-7.412	-7.412	0	%100
72	M165	Z	-12.839	-12.839	0	%100
73	M167	X	-2.303	-2.303	0	%100
74	M167	Z	-3.989	-3.989	0	%100
75	M168	X	0	0	0	%100
76	M168	Z	0	0	0	%100
77	M170	X	0	0	0	%100
78	M170	Z	0	0	0	%100
79	M175	X	-1.088	-1.088	0	%100
80	M175	Z	-1.884	-1.884	0	%100
81	M176	X	0	0	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	-4.031	-4.031	0	%100
84	M177	Z	-6.981	-6.981	0	%100
85	MP1A	X	-3.647	-3.647	0	%100
86	MP1A	Z	-6.316	-6.316	0	%100
87	MP2A	X	-3.647	-3.647	0	%100
88	MP2A	Z	-6.316	-6.316	0	%100
89	MP3A	X	-3.647	-3.647	0	%100
90	MP3A	Z	-6.316	-6.316	0	%100
91	MP4A	X	-3.647	-3.647	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
92	MP4A	Z	-6.316	-6.316	0	%100
93	MP1C	X	-3.647	-3.647	0	%100
94	MP1C	Z	-6.316	-6.316	0	%100
95	MP2C	X	-3.647	-3.647	0	%100
96	MP2C	Z	-6.316	-6.316	0	%100
97	MP3C	X	-3.647	-3.647	0	%100
98	MP3C	Z	-6.316	-6.316	0	%100
99	MP4C	X	-3.647	-3.647	0	%100
100	MP4C	Z	-6.316	-6.316	0	%100
101	MP1B	X	-3.647	-3.647	0	%100
102	MP1B	Z	-6.316	-6.316	0	%100
103	MP2B	X	-3.647	-3.647	0	%100
104	MP2B	Z	-6.316	-6.316	0	%100
105	MP3B	X	-3.647	-3.647	0	%100
106	MP3B	Z	-6.316	-6.316	0	%100
107	MP4B	X	-3.647	-3.647	0	%100
108	MP4B	Z	-6.316	-6.316	0	%100
109	OVP1	X	-2.982	-2.982	0	%100
110	OVP1	Z	-5.165	-5.165	0	%100
111	M105A	X	-3.311	-3.311	0	%100
112	M105A	Z	-5.734	-5.734	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	-3.311	-3.311	0	%100
116	M119A	Z	-5.734	-5.734	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	-3.455	-3.455	0	%100
120	M127A	Z	-5.984	-5.984	0	%100
121	M128A	X	-3.455	-3.455	0	%100
122	M128A	Z	-5.984	-5.984	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	0	0	0	%100
2	M100	Z	-3.306	-3.306	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	-2.72	-2.72	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	-2.72	-2.72	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	-4.257	-4.257	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	-0.783	-0.783	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	-0.783	-0.783	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	-1.063	-1.063	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	-1.109	-1.109	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
23	M118	X	0	0	0	%100
24	M118	Z	-1.063	-1.063	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	-1.109	-1.109	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	-2.503	-2.503	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	-0.68	-0.68	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	-0.68	-0.68	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	-1.064	-1.064	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	-0.783	-0.783	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	-3.131	-3.131	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	-3.14	-3.14	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	-1.063	-1.063	0	%100
45	M140	X	0	0	0	%100
46	M140	Z	-1.109	-1.109	0	%100
47	M142	X	0	0	0	%100
48	M142	Z	-3.14	-3.14	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	-4.25	-4.25	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	-4.436	-4.436	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	-1.803	-1.803	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	-2.503	-2.503	0	%100
57	M152	X	0	0	0	%100
58	M152	Z	-0.68	-0.68	0	%100
59	M153	X	0	0	0	%100
60	M153	Z	-0.68	-0.68	0	%100
61	M154	X	0	0	0	%100
62	M154	Z	-1.064	-1.064	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	-3.131	-3.131	0	%100
65	M158	X	0	0	0	%100
66	M158	Z	-0.783	-0.783	0	%100
67	M162	X	0	0	0	%100
68	M162	Z	-3.14	-3.14	0	%100
69	M163	X	0	0	0	%100
70	M163	Z	-4.25	-4.25	0	%100
71	M165	X	0	0	0	%100
72	M165	Z	-4.436	-4.436	0	%100
73	M167	X	0	0	0	%100
74	M167	Z	-3.14	-3.14	0	%100
75	M168	X	0	0	0	%100
76	M168	Z	-1.063	-1.063	0	%100
77	M170	X	0	0	0	%100
78	M170	Z	-1.109	-1.109	0	%100
79	M175	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M175	Z	-1.803	-1.803	0	%100
81	M176	X	0	0	0	%100
82	M176	Z	-.826	-.826	0	%100
83	M177	X	0	0	0	%100
84	M177	Z	-.826	-.826	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-2.664	-2.664	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-2.664	-2.664	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-2.664	-2.664	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-2.664	-2.664	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-2.664	-2.664	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-2.664	-2.664	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-2.664	-2.664	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-2.664	-2.664	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-2.664	-2.664	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-2.664	-2.664	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-2.664	-2.664	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-2.664	-2.664	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	-2.191	-2.191	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	-2.949	-2.949	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	-.737	-.737	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	-.737	-.737	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	-.619	-.619	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	-.619	-.619	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-2.477	-2.477	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M100	X	1.24	1.24	0	%100
2	M100	Z	-2.147	-2.147	0	%100
3	M101	X	.417	.417	0	%100
4	M101	Z	-.722	-.722	0	%100
5	M102	X	1.02	1.02	0	%100
6	M102	Z	-1.767	-1.767	0	%100
7	M103	X	1.02	1.02	0	%100
8	M103	Z	-1.767	-1.767	0	%100
9	M104	X	1.596	1.596	0	%100
10	M104	Z	-2.765	-2.765	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
11	M107	X	1.174	1.174	0 %100
12	M107	Z	-2.034	-2.034	0 %100
13	M108	X	0	0	0 %100
14	M108	Z	0	0	0 %100
15	M112	X	.523	.523	0 %100
16	M112	Z	-.906	-.906	0 %100
17	M113	X	1.594	1.594	0 %100
18	M113	Z	-2.76	-2.76	0 %100
19	M115	X	1.663	1.663	0 %100
20	M115	Z	-2.881	-2.881	0 %100
21	M117	X	.523	.523	0 %100
22	M117	Z	-.906	-.906	0 %100
23	M118	X	0	0	0 %100
24	M118	Z	0	0	0 %100
25	M120	X	0	0	0 %100
26	M120	Z	0	0	0 %100
27	M125	X	.3	.3	0 %100
28	M125	Z	-.52	-.52	0 %100
29	M126	X	.417	.417	0 %100
30	M126	Z	-.722	-.722	0 %100
31	M127	X	1.02	1.02	0 %100
32	M127	Z	-1.767	-1.767	0 %100
33	M128	X	1.02	1.02	0 %100
34	M128	Z	-1.767	-1.767	0 %100
35	M129	X	1.596	1.596	0 %100
36	M129	Z	-2.765	-2.765	0 %100
37	M132	X	0	0	0 %100
38	M132	Z	0	0	0 %100
39	M133	X	1.174	1.174	0 %100
40	M133	Z	-2.034	-2.034	0 %100
41	M137	X	.523	.523	0 %100
42	M137	Z	-.906	-.906	0 %100
43	M138	X	0	0	0 %100
44	M138	Z	0	0	0 %100
45	M140	X	0	0	0 %100
46	M140	Z	0	0	0 %100
47	M142	X	.523	.523	0 %100
48	M142	Z	-.906	-.906	0 %100
49	M143	X	1.594	1.594	0 %100
50	M143	Z	-2.76	-2.76	0 %100
51	M145	X	1.663	1.663	0 %100
52	M145	Z	-2.881	-2.881	0 %100
53	M150	X	.3	.3	0 %100
54	M150	Z	-.52	-.52	0 %100
55	M151	X	1.669	1.669	0 %100
56	M151	Z	-2.89	-2.89	0 %100
57	M152	X	0	0	0 %100
58	M152	Z	0	0	0 %100
59	M153	X	0	0	0 %100
60	M153	Z	0	0	0 %100
61	M154	X	0	0	0 %100
62	M154	Z	0	0	0 %100
63	M157	X	1.174	1.174	0 %100
64	M157	Z	-2.034	-2.034	0 %100
65	M158	X	1.174	1.174	0 %100
66	M158	Z	-2.034	-2.034	0 %100
67	M162	X	2.093	2.093	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
68	M162	Z	-3.626	-3.626	0	%100
69	M163	X	1.594	1.594	0	%100
70	M163	Z	-2.76	-2.76	0	%100
71	M165	X	1.663	1.663	0	%100
72	M165	Z	-2.881	-2.881	0	%100
73	M167	X	2.093	2.093	0	%100
74	M167	Z	-3.626	-3.626	0	%100
75	M168	X	1.594	1.594	0	%100
76	M168	Z	-2.76	-2.76	0	%100
77	M170	X	1.663	1.663	0	%100
78	M170	Z	-2.881	-2.881	0	%100
79	M175	X	1.202	1.202	0	%100
80	M175	Z	-2.082	-2.082	0	%100
81	M176	X	1.24	1.24	0	%100
82	M176	Z	-2.147	-2.147	0	%100
83	M177	X	0	0	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	1.332	1.332	0	%100
86	MP1A	Z	-2.307	-2.307	0	%100
87	MP2A	X	1.332	1.332	0	%100
88	MP2A	Z	-2.307	-2.307	0	%100
89	MP3A	X	1.332	1.332	0	%100
90	MP3A	Z	-2.307	-2.307	0	%100
91	MP4A	X	1.332	1.332	0	%100
92	MP4A	Z	-2.307	-2.307	0	%100
93	MP1C	X	1.332	1.332	0	%100
94	MP1C	Z	-2.307	-2.307	0	%100
95	MP2C	X	1.332	1.332	0	%100
96	MP2C	Z	-2.307	-2.307	0	%100
97	MP3C	X	1.332	1.332	0	%100
98	MP3C	Z	-2.307	-2.307	0	%100
99	MP4C	X	1.332	1.332	0	%100
100	MP4C	Z	-2.307	-2.307	0	%100
101	MP1B	X	1.332	1.332	0	%100
102	MP1B	Z	-2.307	-2.307	0	%100
103	MP2B	X	1.332	1.332	0	%100
104	MP2B	Z	-2.307	-2.307	0	%100
105	MP3B	X	1.332	1.332	0	%100
106	MP3B	Z	-2.307	-2.307	0	%100
107	MP4B	X	1.332	1.332	0	%100
108	MP4B	Z	-2.307	-2.307	0	%100
109	OVP1	X	1.096	1.096	0	%100
110	OVP1	Z	-1.898	-1.898	0	%100
111	M105A	X	1.106	1.106	0	%100
112	M105A	Z	-1.915	-1.915	0	%100
113	M112A	X	1.106	1.106	0	%100
114	M112A	Z	-1.915	-1.915	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	.929	.929	0	%100
118	M126A	Z	-1.609	-1.609	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	.929	.929	0	%100
122	M128A	Z	-1.609	-1.609	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	.716	.716	0	%100
2	M100	Z	-.413	-.413	0	%100
3	M101	X	2.167	2.167	0	%100
4	M101	Z	-1.251	-1.251	0	%100
5	M102	X	.589	.589	0	%100
6	M102	Z	-.34	-.34	0	%100
7	M103	X	.589	.589	0	%100
8	M103	Z	-.34	-.34	0	%100
9	M104	X	.922	.922	0	%100
10	M104	Z	-.532	-.532	0	%100
11	M107	X	2.712	2.712	0	%100
12	M107	Z	-1.566	-1.566	0	%100
13	M108	X	.678	.678	0	%100
14	M108	Z	-.391	-.391	0	%100
15	M112	X	2.719	2.719	0	%100
16	M112	Z	-1.57	-1.57	0	%100
17	M113	X	3.681	3.681	0	%100
18	M113	Z	-2.125	-2.125	0	%100
19	M115	X	3.842	3.842	0	%100
20	M115	Z	-2.218	-2.218	0	%100
21	M117	X	2.719	2.719	0	%100
22	M117	Z	-1.57	-1.57	0	%100
23	M118	X	.92	.92	0	%100
24	M118	Z	-.531	-.531	0	%100
25	M120	X	.96	.96	0	%100
26	M120	Z	-.554	-.554	0	%100
27	M125	X	1.561	1.561	0	%100
28	M125	Z	-.901	-.901	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	2.356	2.356	0	%100
32	M127	Z	-1.36	-1.36	0	%100
33	M128	X	2.356	2.356	0	%100
34	M128	Z	-1.36	-1.36	0	%100
35	M129	X	3.687	3.687	0	%100
36	M129	Z	-2.128	-2.128	0	%100
37	M132	X	.678	.678	0	%100
38	M132	Z	-.391	-.391	0	%100
39	M133	X	.678	.678	0	%100
40	M133	Z	-.391	-.391	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	.92	.92	0	%100
44	M138	Z	-.531	-.531	0	%100
45	M140	X	.96	.96	0	%100
46	M140	Z	-.554	-.554	0	%100
47	M142	X	0	0	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	.92	.92	0	%100
50	M143	Z	-.531	-.531	0	%100
51	M145	X	.96	.96	0	%100
52	M145	Z	-.554	-.554	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	2.167	2.167	0	%100
56	M151	Z	-1.251	-1.251	0	%100
57	M152	X	.589	.589	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M152	Z	-.34	-.34	0 %100
59	M153	X	.589	.589	0 %100
60	M153	Z	-.34	-.34	0 %100
61	M154	X	.922	.922	0 %100
62	M154	Z	-.532	-.532	0 %100
63	M157	X	.678	.678	0 %100
64	M157	Z	-.391	-.391	0 %100
65	M158	X	2.712	2.712	0 %100
66	M158	Z	-1.566	-1.566	0 %100
67	M162	X	2.719	2.719	0 %100
68	M162	Z	-1.57	-1.57	0 %100
69	M163	X	.92	.92	0 %100
70	M163	Z	-.531	-.531	0 %100
71	M165	X	.96	.96	0 %100
72	M165	Z	-.554	-.554	0 %100
73	M167	X	2.719	2.719	0 %100
74	M167	Z	-1.57	-1.57	0 %100
75	M168	X	3.681	3.681	0 %100
76	M168	Z	-2.125	-2.125	0 %100
77	M170	X	3.842	3.842	0 %100
78	M170	Z	-2.218	-2.218	0 %100
79	M175	X	1.561	1.561	0 %100
80	M175	Z	-.901	-.901	0 %100
81	M176	X	2.863	2.863	0 %100
82	M176	Z	-1.653	-1.653	0 %100
83	M177	X	.716	.716	0 %100
84	M177	Z	-.413	-.413	0 %100
85	MP1A	X	2.307	2.307	0 %100
86	MP1A	Z	-1.332	-1.332	0 %100
87	MP2A	X	2.307	2.307	0 %100
88	MP2A	Z	-1.332	-1.332	0 %100
89	MP3A	X	2.307	2.307	0 %100
90	MP3A	Z	-1.332	-1.332	0 %100
91	MP4A	X	2.307	2.307	0 %100
92	MP4A	Z	-1.332	-1.332	0 %100
93	MP1C	X	2.307	2.307	0 %100
94	MP1C	Z	-1.332	-1.332	0 %100
95	MP2C	X	2.307	2.307	0 %100
96	MP2C	Z	-1.332	-1.332	0 %100
97	MP3C	X	2.307	2.307	0 %100
98	MP3C	Z	-1.332	-1.332	0 %100
99	MP4C	X	2.307	2.307	0 %100
100	MP4C	Z	-1.332	-1.332	0 %100
101	MP1B	X	2.307	2.307	0 %100
102	MP1B	Z	-1.332	-1.332	0 %100
103	MP2B	X	2.307	2.307	0 %100
104	MP2B	Z	-1.332	-1.332	0 %100
105	MP3B	X	2.307	2.307	0 %100
106	MP3B	Z	-1.332	-1.332	0 %100
107	MP4B	X	2.307	2.307	0 %100
108	MP4B	Z	-1.332	-1.332	0 %100
109	OVP1	X	1.898	1.898	0 %100
110	OVP1	Z	-1.096	-1.096	0 %100
111	M105A	X	.638	.638	0 %100
112	M105A	Z	-.369	-.369	0 %100
113	M112A	X	2.554	2.554	0 %100
114	M112A	Z	-1.475	-1.475	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M119A	X	.638	.638	0	%100
116	M119A	Z	-.369	-.369	0	%100
117	M126A	X	2.145	2.145	0	%100
118	M126A	Z	-1.239	-1.239	0	%100
119	M127A	X	.536	.536	0	%100
120	M127A	Z	-.31	-.31	0	%100
121	M128A	X	.536	.536	0	%100
122	M128A	Z	-.31	-.31	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	3.337	3.337	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	0	0	0	%100
11	M107	X	2.349	2.349	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	2.349	2.349	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	4.187	4.187	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	3.188	3.188	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	3.327	3.327	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	4.187	4.187	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	3.188	3.188	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	3.327	3.327	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	2.404	2.404	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	.834	.834	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	2.04	2.04	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	2.04	2.04	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	3.193	3.193	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	2.349	2.349	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	0	0	0	%100
41	M137	X	1.047	1.047	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	3.188	3.188	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	3.327	3.327	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
46	M140	Z	0	0	0	%100
47	M142	X	1.047	1.047	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	0	0	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	0	0	0	%100
53	M150	X	.601	.601	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	.834	.834	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	2.04	2.04	0	%100
58	M152	Z	0	0	0	%100
59	M153	X	2.04	2.04	0	%100
60	M153	Z	0	0	0	%100
61	M154	X	3.193	3.193	0	%100
62	M154	Z	0	0	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	0	0	0	%100
65	M158	X	2.349	2.349	0	%100
66	M158	Z	0	0	0	%100
67	M162	X	1.047	1.047	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	0	0	0	%100
70	M163	Z	0	0	0	%100
71	M165	X	0	0	0	%100
72	M165	Z	0	0	0	%100
73	M167	X	1.047	1.047	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	3.188	3.188	0	%100
76	M168	Z	0	0	0	%100
77	M170	X	3.327	3.327	0	%100
78	M170	Z	0	0	0	%100
79	M175	X	.601	.601	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	2.479	2.479	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	2.479	2.479	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	2.664	2.664	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	2.664	2.664	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	2.664	2.664	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	2.664	2.664	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	2.664	2.664	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	2.664	2.664	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	2.664	2.664	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	2.664	2.664	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	2.664	2.664	0	%100
102	MP1B	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	MP2B	X	2.664	2.664	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	2.664	2.664	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	2.664	2.664	0	%100
108	MP4B	Z	0	0	0	%100
109	OVP1	X	2.191	2.191	0	%100
110	OVP1	Z	0	0	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	0	0	0	%100
113	M112A	X	2.212	2.212	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	2.212	2.212	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	1.858	1.858	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	1.858	1.858	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M100	X	.716	.716	0	%100
2	M100	Z	.413	.413	0	%100
3	M101	X	2.167	2.167	0	%100
4	M101	Z	1.251	1.251	0	%100
5	M102	X	.589	.589	0	%100
6	M102	Z	.34	.34	0	%100
7	M103	X	.589	.589	0	%100
8	M103	Z	.34	.34	0	%100
9	M104	X	.922	.922	0	%100
10	M104	Z	.532	.532	0	%100
11	M107	X	.678	.678	0	%100
12	M107	Z	.391	.391	0	%100
13	M108	X	2.712	2.712	0	%100
14	M108	Z	1.566	1.566	0	%100
15	M112	X	2.719	2.719	0	%100
16	M112	Z	1.57	1.57	0	%100
17	M113	X	.92	.92	0	%100
18	M113	Z	.531	.531	0	%100
19	M115	X	.96	.96	0	%100
20	M115	Z	.554	.554	0	%100
21	M117	X	2.719	2.719	0	%100
22	M117	Z	1.57	1.57	0	%100
23	M118	X	3.681	3.681	0	%100
24	M118	Z	2.125	2.125	0	%100
25	M120	X	3.842	3.842	0	%100
26	M120	Z	2.218	2.218	0	%100
27	M125	X	1.561	1.561	0	%100
28	M125	Z	.901	.901	0	%100
29	M126	X	2.167	2.167	0	%100
30	M126	Z	1.251	1.251	0	%100
31	M127	X	.589	.589	0	%100
32	M127	Z	.34	.34	0	%100
33	M128	X	.589	.589	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M128	Z	.34	.34	0	%100
35	M129	X	.922	.922	0	%100
36	M129	Z	.532	.532	0	%100
37	M132	X	2.712	2.712	0	%100
38	M132	Z	1.566	1.566	0	%100
39	M133	X	.678	.678	0	%100
40	M133	Z	.391	.391	0	%100
41	M137	X	2.719	2.719	0	%100
42	M137	Z	1.57	1.57	0	%100
43	M138	X	3.681	3.681	0	%100
44	M138	Z	2.125	2.125	0	%100
45	M140	X	3.842	3.842	0	%100
46	M140	Z	2.218	2.218	0	%100
47	M142	X	2.719	2.719	0	%100
48	M142	Z	1.57	1.57	0	%100
49	M143	X	.92	.92	0	%100
50	M143	Z	.531	.531	0	%100
51	M145	X	.96	.96	0	%100
52	M145	Z	.554	.554	0	%100
53	M150	X	1.561	1.561	0	%100
54	M150	Z	.901	.901	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	2.356	2.356	0	%100
58	M152	Z	1.36	1.36	0	%100
59	M153	X	2.356	2.356	0	%100
60	M153	Z	1.36	1.36	0	%100
61	M154	X	3.687	3.687	0	%100
62	M154	Z	2.128	2.128	0	%100
63	M157	X	.678	.678	0	%100
64	M157	Z	.391	.391	0	%100
65	M158	X	.678	.678	0	%100
66	M158	Z	.391	.391	0	%100
67	M162	X	0	0	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	.92	.92	0	%100
70	M163	Z	.531	.531	0	%100
71	M165	X	.96	.96	0	%100
72	M165	Z	.554	.554	0	%100
73	M167	X	0	0	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	.92	.92	0	%100
76	M168	Z	.531	.531	0	%100
77	M170	X	.96	.96	0	%100
78	M170	Z	.554	.554	0	%100
79	M175	X	0	0	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	.716	.716	0	%100
82	M176	Z	.413	.413	0	%100
83	M177	X	2.863	2.863	0	%100
84	M177	Z	1.653	1.653	0	%100
85	MP1A	X	2.307	2.307	0	%100
86	MP1A	Z	1.332	1.332	0	%100
87	MP2A	X	2.307	2.307	0	%100
88	MP2A	Z	1.332	1.332	0	%100
89	MP3A	X	2.307	2.307	0	%100
90	MP3A	Z	1.332	1.332	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
91	MP4A	X	2.307	2.307	0	%100
92	MP4A	Z	1.332	1.332	0	%100
93	MP1C	X	2.307	2.307	0	%100
94	MP1C	Z	1.332	1.332	0	%100
95	MP2C	X	2.307	2.307	0	%100
96	MP2C	Z	1.332	1.332	0	%100
97	MP3C	X	2.307	2.307	0	%100
98	MP3C	Z	1.332	1.332	0	%100
99	MP4C	X	2.307	2.307	0	%100
100	MP4C	Z	1.332	1.332	0	%100
101	MP1B	X	2.307	2.307	0	%100
102	MP1B	Z	1.332	1.332	0	%100
103	MP2B	X	2.307	2.307	0	%100
104	MP2B	Z	1.332	1.332	0	%100
105	MP3B	X	2.307	2.307	0	%100
106	MP3B	Z	1.332	1.332	0	%100
107	MP4B	X	2.307	2.307	0	%100
108	MP4B	Z	1.332	1.332	0	%100
109	OVP1	X	1.898	1.898	0	%100
110	OVP1	Z	1.096	1.096	0	%100
111	M105A	X	.638	.638	0	%100
112	M105A	Z	.369	.369	0	%100
113	M112A	X	.638	.638	0	%100
114	M112A	Z	.369	.369	0	%100
115	M119A	X	2.554	2.554	0	%100
116	M119A	Z	1.475	1.475	0	%100
117	M126A	X	.536	.536	0	%100
118	M126A	Z	.31	.31	0	%100
119	M127A	X	2.145	2.145	0	%100
120	M127A	Z	1.239	1.239	0	%100
121	M128A	X	.536	.536	0	%100
122	M128A	Z	.31	.31	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M100	X	1.24	1.24	0	%100
2	M100	Z	2.147	2.147	0	%100
3	M101	X	.417	.417	0	%100
4	M101	Z	.722	.722	0	%100
5	M102	X	1.02	1.02	0	%100
6	M102	Z	1.767	1.767	0	%100
7	M103	X	1.02	1.02	0	%100
8	M103	Z	1.767	1.767	0	%100
9	M104	X	1.596	1.596	0	%100
10	M104	Z	2.765	2.765	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	1.174	1.174	0	%100
14	M108	Z	2.034	2.034	0	%100
15	M112	X	.523	.523	0	%100
16	M112	Z	.906	.906	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	.523	.523	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
22	M117	Z	.906	.906	0 %100
23	M118	X	1.594	1.594	0 %100
24	M118	Z	2.76	2.76	0 %100
25	M120	X	1.663	1.663	0 %100
26	M120	Z	2.881	2.881	0 %100
27	M125	X	.3	.3	0 %100
28	M125	Z	.52	.52	0 %100
29	M126	X	1.669	1.669	0 %100
30	M126	Z	2.89	2.89	0 %100
31	M127	X	0	0	0 %100
32	M127	Z	0	0	0 %100
33	M128	X	0	0	0 %100
34	M128	Z	0	0	0 %100
35	M129	X	0	0	0 %100
36	M129	Z	0	0	0 %100
37	M132	X	1.174	1.174	0 %100
38	M132	Z	2.034	2.034	0 %100
39	M133	X	1.174	1.174	0 %100
40	M133	Z	2.034	2.034	0 %100
41	M137	X	2.093	2.093	0 %100
42	M137	Z	3.626	3.626	0 %100
43	M138	X	1.594	1.594	0 %100
44	M138	Z	2.76	2.76	0 %100
45	M140	X	1.663	1.663	0 %100
46	M140	Z	2.881	2.881	0 %100
47	M142	X	2.093	2.093	0 %100
48	M142	Z	3.626	3.626	0 %100
49	M143	X	1.594	1.594	0 %100
50	M143	Z	2.76	2.76	0 %100
51	M145	X	1.663	1.663	0 %100
52	M145	Z	2.881	2.881	0 %100
53	M150	X	1.202	1.202	0 %100
54	M150	Z	2.082	2.082	0 %100
55	M151	X	.417	.417	0 %100
56	M151	Z	.722	.722	0 %100
57	M152	X	1.02	1.02	0 %100
58	M152	Z	1.767	1.767	0 %100
59	M153	X	1.02	1.02	0 %100
60	M153	Z	1.767	1.767	0 %100
61	M154	X	1.596	1.596	0 %100
62	M154	Z	2.765	2.765	0 %100
63	M157	X	1.174	1.174	0 %100
64	M157	Z	2.034	2.034	0 %100
65	M158	X	0	0	0 %100
66	M158	Z	0	0	0 %100
67	M162	X	.523	.523	0 %100
68	M162	Z	.906	.906	0 %100
69	M163	X	1.594	1.594	0 %100
70	M163	Z	2.76	2.76	0 %100
71	M165	X	1.663	1.663	0 %100
72	M165	Z	2.881	2.881	0 %100
73	M167	X	.523	.523	0 %100
74	M167	Z	.906	.906	0 %100
75	M168	X	0	0	0 %100
76	M168	Z	0	0	0 %100
77	M170	X	0	0	0 %100
78	M170	Z	0	0	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M175	X	.3	.3	0	%100
80	M175	Z	.52	.52	0	%100
81	M176	X	0	0	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	1.24	1.24	0	%100
84	M177	Z	2.147	2.147	0	%100
85	MP1A	X	1.332	1.332	0	%100
86	MP1A	Z	2.307	2.307	0	%100
87	MP2A	X	1.332	1.332	0	%100
88	MP2A	Z	2.307	2.307	0	%100
89	MP3A	X	1.332	1.332	0	%100
90	MP3A	Z	2.307	2.307	0	%100
91	MP4A	X	1.332	1.332	0	%100
92	MP4A	Z	2.307	2.307	0	%100
93	MP1C	X	1.332	1.332	0	%100
94	MP1C	Z	2.307	2.307	0	%100
95	MP2C	X	1.332	1.332	0	%100
96	MP2C	Z	2.307	2.307	0	%100
97	MP3C	X	1.332	1.332	0	%100
98	MP3C	Z	2.307	2.307	0	%100
99	MP4C	X	1.332	1.332	0	%100
100	MP4C	Z	2.307	2.307	0	%100
101	MP1B	X	1.332	1.332	0	%100
102	MP1B	Z	2.307	2.307	0	%100
103	MP2B	X	1.332	1.332	0	%100
104	MP2B	Z	2.307	2.307	0	%100
105	MP3B	X	1.332	1.332	0	%100
106	MP3B	Z	2.307	2.307	0	%100
107	MP4B	X	1.332	1.332	0	%100
108	MP4B	Z	2.307	2.307	0	%100
109	OVP1	X	1.096	1.096	0	%100
110	OVP1	Z	1.898	1.898	0	%100
111	M105A	X	1.106	1.106	0	%100
112	M105A	Z	1.915	1.915	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	1.106	1.106	0	%100
116	M119A	Z	1.915	1.915	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	.929	.929	0	%100
120	M127A	Z	1.609	1.609	0	%100
121	M128A	X	.929	.929	0	%100
122	M128A	Z	1.609	1.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	0	0	0	%100
2	M100	Z	3.306	3.306	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	2.72	2.72	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	2.72	2.72	0	%100
9	M104	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
10	M104	Z	4.257	4.257	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	.783	.783	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	.783	.783	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	1.063	1.063	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	1.109	1.109	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	1.063	1.063	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	1.109	1.109	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	2.503	2.503	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	.68	.68	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	.68	.68	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	1.064	1.064	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	.783	.783	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	3.131	3.131	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	3.14	3.14	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	1.063	1.063	0	%100
45	M140	X	0	0	0	%100
46	M140	Z	1.109	1.109	0	%100
47	M142	X	0	0	0	%100
48	M142	Z	3.14	3.14	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	4.25	4.25	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	4.436	4.436	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	1.803	1.803	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	2.503	2.503	0	%100
57	M152	X	0	0	0	%100
58	M152	Z	.68	.68	0	%100
59	M153	X	0	0	0	%100
60	M153	Z	.68	.68	0	%100
61	M154	X	0	0	0	%100
62	M154	Z	1.064	1.064	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	3.131	3.131	0	%100
65	M158	X	0	0	0	%100
66	M158	Z	.783	.783	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
67	M162	X	0	0	%100
68	M162	Z	3.14	3.14	%100
69	M163	X	0	0	%100
70	M163	Z	4.25	4.25	%100
71	M165	X	0	0	%100
72	M165	Z	4.436	4.436	%100
73	M167	X	0	0	%100
74	M167	Z	3.14	3.14	%100
75	M168	X	0	0	%100
76	M168	Z	1.063	1.063	%100
77	M170	X	0	0	%100
78	M170	Z	1.109	1.109	%100
79	M175	X	0	0	%100
80	M175	Z	1.803	1.803	%100
81	M176	X	0	0	%100
82	M176	Z	.826	.826	%100
83	M177	X	0	0	%100
84	M177	Z	.826	.826	%100
85	MP1A	X	0	0	%100
86	MP1A	Z	2.664	2.664	%100
87	MP2A	X	0	0	%100
88	MP2A	Z	2.664	2.664	%100
89	MP3A	X	0	0	%100
90	MP3A	Z	2.664	2.664	%100
91	MP4A	X	0	0	%100
92	MP4A	Z	2.664	2.664	%100
93	MP1C	X	0	0	%100
94	MP1C	Z	2.664	2.664	%100
95	MP2C	X	0	0	%100
96	MP2C	Z	2.664	2.664	%100
97	MP3C	X	0	0	%100
98	MP3C	Z	2.664	2.664	%100
99	MP4C	X	0	0	%100
100	MP4C	Z	2.664	2.664	%100
101	MP1B	X	0	0	%100
102	MP1B	Z	2.664	2.664	%100
103	MP2B	X	0	0	%100
104	MP2B	Z	2.664	2.664	%100
105	MP3B	X	0	0	%100
106	MP3B	Z	2.664	2.664	%100
107	MP4B	X	0	0	%100
108	MP4B	Z	2.664	2.664	%100
109	OVP1	X	0	0	%100
110	OVP1	Z	2.191	2.191	%100
111	M105A	X	0	0	%100
112	M105A	Z	2.949	2.949	%100
113	M112A	X	0	0	%100
114	M112A	Z	.737	.737	%100
115	M119A	X	0	0	%100
116	M119A	Z	.737	.737	%100
117	M126A	X	0	0	%100
118	M126A	Z	.619	.619	%100
119	M127A	X	0	0	%100
120	M127A	Z	.619	.619	%100
121	M128A	X	0	0	%100
122	M128A	Z	2.477	2.477	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	-1.24	-1.24	0	%100
2	M100	Z	2.147	2.147	0	%100
3	M101	X	-.417	-.417	0	%100
4	M101	Z	.722	.722	0	%100
5	M102	X	-1.02	-1.02	0	%100
6	M102	Z	1.767	1.767	0	%100
7	M103	X	-1.02	-1.02	0	%100
8	M103	Z	1.767	1.767	0	%100
9	M104	X	-1.596	-1.596	0	%100
10	M104	Z	2.765	2.765	0	%100
11	M107	X	-1.174	-1.174	0	%100
12	M107	Z	2.034	2.034	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	-.523	-.523	0	%100
16	M112	Z	.906	.906	0	%100
17	M113	X	-1.594	-1.594	0	%100
18	M113	Z	2.76	2.76	0	%100
19	M115	X	-1.663	-1.663	0	%100
20	M115	Z	2.881	2.881	0	%100
21	M117	X	-.523	-.523	0	%100
22	M117	Z	.906	.906	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	-.3	-.3	0	%100
28	M125	Z	.52	.52	0	%100
29	M126	X	-.417	-.417	0	%100
30	M126	Z	.722	.722	0	%100
31	M127	X	-1.02	-1.02	0	%100
32	M127	Z	1.767	1.767	0	%100
33	M128	X	-1.02	-1.02	0	%100
34	M128	Z	1.767	1.767	0	%100
35	M129	X	-1.596	-1.596	0	%100
36	M129	Z	2.765	2.765	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	-1.174	-1.174	0	%100
40	M133	Z	2.034	2.034	0	%100
41	M137	X	-.523	-.523	0	%100
42	M137	Z	.906	.906	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	0	0	0	%100
46	M140	Z	0	0	0	%100
47	M142	X	-.523	-.523	0	%100
48	M142	Z	.906	.906	0	%100
49	M143	X	-1.594	-1.594	0	%100
50	M143	Z	2.76	2.76	0	%100
51	M145	X	-1.663	-1.663	0	%100
52	M145	Z	2.881	2.881	0	%100
53	M150	X	-.3	-.3	0	%100
54	M150	Z	.52	.52	0	%100
55	M151	X	-1.669	-1.669	0	%100
56	M151	Z	2.89	2.89	0	%100
57	M152	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M152	Z	0	0	0	%100
59	M153	X	0	0	0	%100
60	M153	Z	0	0	0	%100
61	M154	X	0	0	0	%100
62	M154	Z	0	0	0	%100
63	M157	X	-1.174	-1.174	0	%100
64	M157	Z	2.034	2.034	0	%100
65	M158	X	-1.174	-1.174	0	%100
66	M158	Z	2.034	2.034	0	%100
67	M162	X	-2.093	-2.093	0	%100
68	M162	Z	3.626	3.626	0	%100
69	M163	X	-1.594	-1.594	0	%100
70	M163	Z	2.76	2.76	0	%100
71	M165	X	-1.663	-1.663	0	%100
72	M165	Z	2.881	2.881	0	%100
73	M167	X	-2.093	-2.093	0	%100
74	M167	Z	3.626	3.626	0	%100
75	M168	X	-1.594	-1.594	0	%100
76	M168	Z	2.76	2.76	0	%100
77	M170	X	-1.663	-1.663	0	%100
78	M170	Z	2.881	2.881	0	%100
79	M175	X	-1.202	-1.202	0	%100
80	M175	Z	2.082	2.082	0	%100
81	M176	X	-1.24	-1.24	0	%100
82	M176	Z	2.147	2.147	0	%100
83	M177	X	0	0	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	-1.332	-1.332	0	%100
86	MP1A	Z	2.307	2.307	0	%100
87	MP2A	X	-1.332	-1.332	0	%100
88	MP2A	Z	2.307	2.307	0	%100
89	MP3A	X	-1.332	-1.332	0	%100
90	MP3A	Z	2.307	2.307	0	%100
91	MP4A	X	-1.332	-1.332	0	%100
92	MP4A	Z	2.307	2.307	0	%100
93	MP1C	X	-1.332	-1.332	0	%100
94	MP1C	Z	2.307	2.307	0	%100
95	MP2C	X	-1.332	-1.332	0	%100
96	MP2C	Z	2.307	2.307	0	%100
97	MP3C	X	-1.332	-1.332	0	%100
98	MP3C	Z	2.307	2.307	0	%100
99	MP4C	X	-1.332	-1.332	0	%100
100	MP4C	Z	2.307	2.307	0	%100
101	MP1B	X	-1.332	-1.332	0	%100
102	MP1B	Z	2.307	2.307	0	%100
103	MP2B	X	-1.332	-1.332	0	%100
104	MP2B	Z	2.307	2.307	0	%100
105	MP3B	X	-1.332	-1.332	0	%100
106	MP3B	Z	2.307	2.307	0	%100
107	MP4B	X	-1.332	-1.332	0	%100
108	MP4B	Z	2.307	2.307	0	%100
109	OVP1	X	-1.096	-1.096	0	%100
110	OVP1	Z	1.898	1.898	0	%100
111	M105A	X	-1.106	-1.106	0	%100
112	M105A	Z	1.915	1.915	0	%100
113	M112A	X	-1.106	-1.106	0	%100
114	M112A	Z	1.915	1.915	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M119A	X	0	0	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	-.929	-.929	0	%100
118	M126A	Z	1.609	1.609	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	-.929	-.929	0	%100
122	M128A	Z	1.609	1.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	-.716	-.716	0	%100
2	M100	Z	.413	.413	0	%100
3	M101	X	-2.167	-2.167	0	%100
4	M101	Z	1.251	1.251	0	%100
5	M102	X	-.589	-.589	0	%100
6	M102	Z	.34	.34	0	%100
7	M103	X	-.589	-.589	0	%100
8	M103	Z	.34	.34	0	%100
9	M104	X	-.922	-.922	0	%100
10	M104	Z	.532	.532	0	%100
11	M107	X	-2.712	-2.712	0	%100
12	M107	Z	1.566	1.566	0	%100
13	M108	X	-.678	-.678	0	%100
14	M108	Z	.391	.391	0	%100
15	M112	X	-2.719	-2.719	0	%100
16	M112	Z	1.57	1.57	0	%100
17	M113	X	-3.681	-3.681	0	%100
18	M113	Z	2.125	2.125	0	%100
19	M115	X	-3.842	-3.842	0	%100
20	M115	Z	2.218	2.218	0	%100
21	M117	X	-2.719	-2.719	0	%100
22	M117	Z	1.57	1.57	0	%100
23	M118	X	-.92	-.92	0	%100
24	M118	Z	.531	.531	0	%100
25	M120	X	-.96	-.96	0	%100
26	M120	Z	.554	.554	0	%100
27	M125	X	-1.561	-1.561	0	%100
28	M125	Z	.901	.901	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-2.356	-2.356	0	%100
32	M127	Z	1.36	1.36	0	%100
33	M128	X	-2.356	-2.356	0	%100
34	M128	Z	1.36	1.36	0	%100
35	M129	X	-3.687	-3.687	0	%100
36	M129	Z	2.128	2.128	0	%100
37	M132	X	-.678	-.678	0	%100
38	M132	Z	.391	.391	0	%100
39	M133	X	-.678	-.678	0	%100
40	M133	Z	.391	.391	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	-.92	-.92	0	%100
44	M138	Z	.531	.531	0	%100
45	M140	X	-.96	-.96	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M140	Z	.554	.554	0 %100
47	M142	X	0	0	0 %100
48	M142	Z	0	0	0 %100
49	M143	X	-.92	-.92	0 %100
50	M143	Z	.531	.531	0 %100
51	M145	X	-.96	-.96	0 %100
52	M145	Z	.554	.554	0 %100
53	M150	X	0	0	0 %100
54	M150	Z	0	0	0 %100
55	M151	X	-2.167	-2.167	0 %100
56	M151	Z	1.251	1.251	0 %100
57	M152	X	-.589	-.589	0 %100
58	M152	Z	.34	.34	0 %100
59	M153	X	-.589	-.589	0 %100
60	M153	Z	.34	.34	0 %100
61	M154	X	-.922	-.922	0 %100
62	M154	Z	.532	.532	0 %100
63	M157	X	-.678	-.678	0 %100
64	M157	Z	.391	.391	0 %100
65	M158	X	-2.712	-2.712	0 %100
66	M158	Z	1.566	1.566	0 %100
67	M162	X	-2.719	-2.719	0 %100
68	M162	Z	1.57	1.57	0 %100
69	M163	X	-.92	-.92	0 %100
70	M163	Z	.531	.531	0 %100
71	M165	X	-.96	-.96	0 %100
72	M165	Z	.554	.554	0 %100
73	M167	X	-2.719	-2.719	0 %100
74	M167	Z	1.57	1.57	0 %100
75	M168	X	-3.681	-3.681	0 %100
76	M168	Z	2.125	2.125	0 %100
77	M170	X	-3.842	-3.842	0 %100
78	M170	Z	2.218	2.218	0 %100
79	M175	X	-1.561	-1.561	0 %100
80	M175	Z	.901	.901	0 %100
81	M176	X	-2.863	-2.863	0 %100
82	M176	Z	1.653	1.653	0 %100
83	M177	X	-.716	-.716	0 %100
84	M177	Z	.413	.413	0 %100
85	MP1A	X	-2.307	-2.307	0 %100
86	MP1A	Z	1.332	1.332	0 %100
87	MP2A	X	-2.307	-2.307	0 %100
88	MP2A	Z	1.332	1.332	0 %100
89	MP3A	X	-2.307	-2.307	0 %100
90	MP3A	Z	1.332	1.332	0 %100
91	MP4A	X	-2.307	-2.307	0 %100
92	MP4A	Z	1.332	1.332	0 %100
93	MP1C	X	-2.307	-2.307	0 %100
94	MP1C	Z	1.332	1.332	0 %100
95	MP2C	X	-2.307	-2.307	0 %100
96	MP2C	Z	1.332	1.332	0 %100
97	MP3C	X	-2.307	-2.307	0 %100
98	MP3C	Z	1.332	1.332	0 %100
99	MP4C	X	-2.307	-2.307	0 %100
100	MP4C	Z	1.332	1.332	0 %100
101	MP1B	X	-2.307	-2.307	0 %100
102	MP1B	Z	1.332	1.332	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
103	MP2B	X	-2.307	-2.307	0	%100
104	MP2B	Z	1.332	1.332	0	%100
105	MP3B	X	-2.307	-2.307	0	%100
106	MP3B	Z	1.332	1.332	0	%100
107	MP4B	X	-2.307	-2.307	0	%100
108	MP4B	Z	1.332	1.332	0	%100
109	OVP1	X	-1.898	-1.898	0	%100
110	OVP1	Z	1.096	1.096	0	%100
111	M105A	X	-.638	-.638	0	%100
112	M105A	Z	.369	.369	0	%100
113	M112A	X	-2.554	-2.554	0	%100
114	M112A	Z	1.475	1.475	0	%100
115	M119A	X	-.638	-.638	0	%100
116	M119A	Z	.369	.369	0	%100
117	M126A	X	-2.145	-2.145	0	%100
118	M126A	Z	1.239	1.239	0	%100
119	M127A	X	-.536	-.536	0	%100
120	M127A	Z	.31	.31	0	%100
121	M128A	X	-.536	-.536	0	%100
122	M128A	Z	.31	.31	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	-3.337	-3.337	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	0	0	0	%100
11	M107	X	-2.349	-2.349	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	-2.349	-2.349	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	-4.187	-4.187	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	-3.188	-3.188	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	-3.327	-3.327	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	-4.187	-4.187	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	-3.188	-3.188	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	-3.327	-3.327	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	-2.404	-2.404	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	-.834	-.834	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-2.04	-2.04	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	-2.04	-2.04	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
34	M128	Z	0	0	0	%100
35	M129	X	-3.193	-3.193	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	-2.349	-2.349	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	0	0	0	%100
41	M137	X	-1.047	-1.047	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	-3.188	-3.188	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	-3.327	-3.327	0	%100
46	M140	Z	0	0	0	%100
47	M142	X	-1.047	-1.047	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	0	0	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	0	0	0	%100
53	M150	X	-0.601	-0.601	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	-0.834	-0.834	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	-2.04	-2.04	0	%100
58	M152	Z	0	0	0	%100
59	M153	X	-2.04	-2.04	0	%100
60	M153	Z	0	0	0	%100
61	M154	X	-3.193	-3.193	0	%100
62	M154	Z	0	0	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	0	0	0	%100
65	M158	X	-2.349	-2.349	0	%100
66	M158	Z	0	0	0	%100
67	M162	X	-1.047	-1.047	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	0	0	0	%100
70	M163	Z	0	0	0	%100
71	M165	X	0	0	0	%100
72	M165	Z	0	0	0	%100
73	M167	X	-1.047	-1.047	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	-3.188	-3.188	0	%100
76	M168	Z	0	0	0	%100
77	M170	X	-3.327	-3.327	0	%100
78	M170	Z	0	0	0	%100
79	M175	X	-0.601	-0.601	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	-2.479	-2.479	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	-2.479	-2.479	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	-2.664	-2.664	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-2.664	-2.664	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-2.664	-2.664	0	%100
90	MP3A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
91	MP4A	X	-2.664	-2.664	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-2.664	-2.664	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-2.664	-2.664	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-2.664	-2.664	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-2.664	-2.664	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-2.664	-2.664	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-2.664	-2.664	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-2.664	-2.664	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-2.664	-2.664	0	%100
108	MP4B	Z	0	0	0	%100
109	OVP1	X	-2.191	-2.191	0	%100
110	OVP1	Z	0	0	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	0	0	0	%100
113	M112A	X	-2.212	-2.212	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	-2.212	-2.212	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	-1.858	-1.858	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	-1.858	-1.858	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	-0.716	-0.716	0	%100
2	M100	Z	-0.413	-0.413	0	%100
3	M101	X	-2.167	-2.167	0	%100
4	M101	Z	-1.251	-1.251	0	%100
5	M102	X	-0.589	-0.589	0	%100
6	M102	Z	-0.34	-0.34	0	%100
7	M103	X	-0.589	-0.589	0	%100
8	M103	Z	-0.34	-0.34	0	%100
9	M104	X	-0.922	-0.922	0	%100
10	M104	Z	-0.532	-0.532	0	%100
11	M107	X	-0.678	-0.678	0	%100
12	M107	Z	-0.391	-0.391	0	%100
13	M108	X	-2.712	-2.712	0	%100
14	M108	Z	-1.566	-1.566	0	%100
15	M112	X	-2.719	-2.719	0	%100
16	M112	Z	-1.57	-1.57	0	%100
17	M113	X	-0.92	-0.92	0	%100
18	M113	Z	-0.531	-0.531	0	%100
19	M115	X	-0.96	-0.96	0	%100
20	M115	Z	-0.554	-0.554	0	%100
21	M117	X	-2.719	-2.719	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
22	M117	Z	-1.57	-1.57	0	%100
23	M118	X	-3.681	-3.681	0	%100
24	M118	Z	-2.125	-2.125	0	%100
25	M120	X	-3.842	-3.842	0	%100
26	M120	Z	-2.218	-2.218	0	%100
27	M125	X	-1.561	-1.561	0	%100
28	M125	Z	-.901	-.901	0	%100
29	M126	X	-2.167	-2.167	0	%100
30	M126	Z	-1.251	-1.251	0	%100
31	M127	X	-.589	-.589	0	%100
32	M127	Z	-.34	-.34	0	%100
33	M128	X	-.589	-.589	0	%100
34	M128	Z	-.34	-.34	0	%100
35	M129	X	-.922	-.922	0	%100
36	M129	Z	-.532	-.532	0	%100
37	M132	X	-2.712	-2.712	0	%100
38	M132	Z	-1.566	-1.566	0	%100
39	M133	X	-.678	-.678	0	%100
40	M133	Z	-.391	-.391	0	%100
41	M137	X	-2.719	-2.719	0	%100
42	M137	Z	-1.57	-1.57	0	%100
43	M138	X	-3.681	-3.681	0	%100
44	M138	Z	-2.125	-2.125	0	%100
45	M140	X	-3.842	-3.842	0	%100
46	M140	Z	-2.218	-2.218	0	%100
47	M142	X	-2.719	-2.719	0	%100
48	M142	Z	-1.57	-1.57	0	%100
49	M143	X	-.92	-.92	0	%100
50	M143	Z	-.531	-.531	0	%100
51	M145	X	-.96	-.96	0	%100
52	M145	Z	-.554	-.554	0	%100
53	M150	X	-1.561	-1.561	0	%100
54	M150	Z	-.901	-.901	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	-2.356	-2.356	0	%100
58	M152	Z	-1.36	-1.36	0	%100
59	M153	X	-2.356	-2.356	0	%100
60	M153	Z	-1.36	-1.36	0	%100
61	M154	X	-3.687	-3.687	0	%100
62	M154	Z	-2.128	-2.128	0	%100
63	M157	X	-.678	-.678	0	%100
64	M157	Z	-.391	-.391	0	%100
65	M158	X	-.678	-.678	0	%100
66	M158	Z	-.391	-.391	0	%100
67	M162	X	0	0	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	-.92	-.92	0	%100
70	M163	Z	-.531	-.531	0	%100
71	M165	X	-.96	-.96	0	%100
72	M165	Z	-.554	-.554	0	%100
73	M167	X	0	0	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	-.92	-.92	0	%100
76	M168	Z	-.531	-.531	0	%100
77	M170	X	-.96	-.96	0	%100
78	M170	Z	-.554	-.554	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
79	M175	X	0	0	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	-716	-716	0	%100
82	M176	Z	-413	-413	0	%100
83	M177	X	-2.863	-2.863	0	%100
84	M177	Z	-1.653	-1.653	0	%100
85	MP1A	X	-2.307	-2.307	0	%100
86	MP1A	Z	-1.332	-1.332	0	%100
87	MP2A	X	-2.307	-2.307	0	%100
88	MP2A	Z	-1.332	-1.332	0	%100
89	MP3A	X	-2.307	-2.307	0	%100
90	MP3A	Z	-1.332	-1.332	0	%100
91	MP4A	X	-2.307	-2.307	0	%100
92	MP4A	Z	-1.332	-1.332	0	%100
93	MP1C	X	-2.307	-2.307	0	%100
94	MP1C	Z	-1.332	-1.332	0	%100
95	MP2C	X	-2.307	-2.307	0	%100
96	MP2C	Z	-1.332	-1.332	0	%100
97	MP3C	X	-2.307	-2.307	0	%100
98	MP3C	Z	-1.332	-1.332	0	%100
99	MP4C	X	-2.307	-2.307	0	%100
100	MP4C	Z	-1.332	-1.332	0	%100
101	MP1B	X	-2.307	-2.307	0	%100
102	MP1B	Z	-1.332	-1.332	0	%100
103	MP2B	X	-2.307	-2.307	0	%100
104	MP2B	Z	-1.332	-1.332	0	%100
105	MP3B	X	-2.307	-2.307	0	%100
106	MP3B	Z	-1.332	-1.332	0	%100
107	MP4B	X	-2.307	-2.307	0	%100
108	MP4B	Z	-1.332	-1.332	0	%100
109	OVP1	X	-1.898	-1.898	0	%100
110	OVP1	Z	-1.096	-1.096	0	%100
111	M105A	X	-638	-638	0	%100
112	M105A	Z	-369	-369	0	%100
113	M112A	X	-638	-638	0	%100
114	M112A	Z	-369	-369	0	%100
115	M119A	X	-2.554	-2.554	0	%100
116	M119A	Z	-1.475	-1.475	0	%100
117	M126A	X	-536	-536	0	%100
118	M126A	Z	-31	-31	0	%100
119	M127A	X	-2.145	-2.145	0	%100
120	M127A	Z	-1.239	-1.239	0	%100
121	M128A	X	-536	-536	0	%100
122	M128A	Z	-31	-31	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	-1.24	-1.24	0	%100
2	M100	Z	-2.147	-2.147	0	%100
3	M101	X	-417	-417	0	%100
4	M101	Z	-722	-722	0	%100
5	M102	X	-1.02	-1.02	0	%100
6	M102	Z	-1.767	-1.767	0	%100
7	M103	X	-1.02	-1.02	0	%100
8	M103	Z	-1.767	-1.767	0	%100
9	M104	X	-1.596	-1.596	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
10	M104	Z	-2.765	-2.765	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	-1.174	-1.174	0	%100
14	M108	Z	-2.034	-2.034	0	%100
15	M112	X	-.523	-.523	0	%100
16	M112	Z	-.906	-.906	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	-.523	-.523	0	%100
22	M117	Z	-.906	-.906	0	%100
23	M118	X	-1.594	-1.594	0	%100
24	M118	Z	-2.76	-2.76	0	%100
25	M120	X	-1.663	-1.663	0	%100
26	M120	Z	-2.881	-2.881	0	%100
27	M125	X	-.3	-.3	0	%100
28	M125	Z	-.52	-.52	0	%100
29	M126	X	-1.669	-1.669	0	%100
30	M126	Z	-2.89	-2.89	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	-1.174	-1.174	0	%100
38	M132	Z	-2.034	-2.034	0	%100
39	M133	X	-1.174	-1.174	0	%100
40	M133	Z	-2.034	-2.034	0	%100
41	M137	X	-2.093	-2.093	0	%100
42	M137	Z	-3.626	-3.626	0	%100
43	M138	X	-1.594	-1.594	0	%100
44	M138	Z	-2.76	-2.76	0	%100
45	M140	X	-1.663	-1.663	0	%100
46	M140	Z	-2.881	-2.881	0	%100
47	M142	X	-2.093	-2.093	0	%100
48	M142	Z	-3.626	-3.626	0	%100
49	M143	X	-1.594	-1.594	0	%100
50	M143	Z	-2.76	-2.76	0	%100
51	M145	X	-1.663	-1.663	0	%100
52	M145	Z	-2.881	-2.881	0	%100
53	M150	X	-1.202	-1.202	0	%100
54	M150	Z	-2.082	-2.082	0	%100
55	M151	X	-.417	-.417	0	%100
56	M151	Z	-.722	-.722	0	%100
57	M152	X	-1.02	-1.02	0	%100
58	M152	Z	-1.767	-1.767	0	%100
59	M153	X	-1.02	-1.02	0	%100
60	M153	Z	-1.767	-1.767	0	%100
61	M154	X	-1.596	-1.596	0	%100
62	M154	Z	-2.765	-2.765	0	%100
63	M157	X	-1.174	-1.174	0	%100
64	M157	Z	-2.034	-2.034	0	%100
65	M158	X	0	0	0	%100
66	M158	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
67	M162	X	-523	-523	0 %100
68	M162	Z	-906	-906	0 %100
69	M163	X	-1.594	-1.594	0 %100
70	M163	Z	-2.76	-2.76	0 %100
71	M165	X	-1.663	-1.663	0 %100
72	M165	Z	-2.881	-2.881	0 %100
73	M167	X	-523	-523	0 %100
74	M167	Z	-906	-906	0 %100
75	M168	X	0	0	0 %100
76	M168	Z	0	0	0 %100
77	M170	X	0	0	0 %100
78	M170	Z	0	0	0 %100
79	M175	X	-.3	-.3	0 %100
80	M175	Z	-.52	-.52	0 %100
81	M176	X	0	0	0 %100
82	M176	Z	0	0	0 %100
83	M177	X	-1.24	-1.24	0 %100
84	M177	Z	-2.147	-2.147	0 %100
85	MP1A	X	-1.332	-1.332	0 %100
86	MP1A	Z	-2.307	-2.307	0 %100
87	MP2A	X	-1.332	-1.332	0 %100
88	MP2A	Z	-2.307	-2.307	0 %100
89	MP3A	X	-1.332	-1.332	0 %100
90	MP3A	Z	-2.307	-2.307	0 %100
91	MP4A	X	-1.332	-1.332	0 %100
92	MP4A	Z	-2.307	-2.307	0 %100
93	MP1C	X	-1.332	-1.332	0 %100
94	MP1C	Z	-2.307	-2.307	0 %100
95	MP2C	X	-1.332	-1.332	0 %100
96	MP2C	Z	-2.307	-2.307	0 %100
97	MP3C	X	-1.332	-1.332	0 %100
98	MP3C	Z	-2.307	-2.307	0 %100
99	MP4C	X	-1.332	-1.332	0 %100
100	MP4C	Z	-2.307	-2.307	0 %100
101	MP1B	X	-1.332	-1.332	0 %100
102	MP1B	Z	-2.307	-2.307	0 %100
103	MP2B	X	-1.332	-1.332	0 %100
104	MP2B	Z	-2.307	-2.307	0 %100
105	MP3B	X	-1.332	-1.332	0 %100
106	MP3B	Z	-2.307	-2.307	0 %100
107	MP4B	X	-1.332	-1.332	0 %100
108	MP4B	Z	-2.307	-2.307	0 %100
109	OVP1	X	-1.096	-1.096	0 %100
110	OVP1	Z	-1.898	-1.898	0 %100
111	M105A	X	-1.106	-1.106	0 %100
112	M105A	Z	-1.915	-1.915	0 %100
113	M112A	X	0	0	0 %100
114	M112A	Z	0	0	0 %100
115	M119A	X	-1.106	-1.106	0 %100
116	M119A	Z	-1.915	-1.915	0 %100
117	M126A	X	0	0	0 %100
118	M126A	Z	0	0	0 %100
119	M127A	X	-.929	-.929	0 %100
120	M127A	Z	-1.609	-1.609	0 %100
121	M128A	X	-.929	-.929	0 %100
122	M128A	Z	-1.609	-1.609	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	0	0	0	%100
2	M100	Z	-719	-719	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	-618	-618	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	-618	-618	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	-1.232	-1.232	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	-171	-171	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	-171	-171	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	-314	-314	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	-331	-331	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	-314	-314	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	-331	-331	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	-548	-548	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	-154	-154	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	-154	-154	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	-308	-308	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	-171	-171	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	-684	-684	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	-924	-924	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	-314	-314	0	%100
45	M140	X	0	0	0	%100
46	M140	Z	-331	-331	0	%100
47	M142	X	0	0	0	%100
48	M142	Z	-924	-924	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	-1.255	-1.255	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	-1.322	-1.322	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	-436	-436	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	-548	-548	0	%100
57	M152	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M152	Z	-.154	-.154	0 %100
59	M153	X	0	0	0 %100
60	M153	Z	-.154	-.154	0 %100
61	M154	X	0	0	0 %100
62	M154	Z	-.308	-.308	0 %100
63	M157	X	0	0	0 %100
64	M157	Z	-.684	-.684	0 %100
65	M158	X	0	0	0 %100
66	M158	Z	-.171	-.171	0 %100
67	M162	X	0	0	0 %100
68	M162	Z	-.924	-.924	0 %100
69	M163	X	0	0	0 %100
70	M163	Z	-1.255	-1.255	0 %100
71	M165	X	0	0	0 %100
72	M165	Z	-1.322	-1.322	0 %100
73	M167	X	0	0	0 %100
74	M167	Z	-.924	-.924	0 %100
75	M168	X	0	0	0 %100
76	M168	Z	-.314	-.314	0 %100
77	M170	X	0	0	0 %100
78	M170	Z	-.331	-.331	0 %100
79	M175	X	0	0	0 %100
80	M175	Z	-.436	-.436	0 %100
81	M176	X	0	0	0 %100
82	M176	Z	-.18	-.18	0 %100
83	M177	X	0	0	0 %100
84	M177	Z	-.18	-.18	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	-.488	-.488	0 %100
87	MP2A	X	0	0	0 %100
88	MP2A	Z	-.488	-.488	0 %100
89	MP3A	X	0	0	0 %100
90	MP3A	Z	-.488	-.488	0 %100
91	MP4A	X	0	0	0 %100
92	MP4A	Z	-.488	-.488	0 %100
93	MP1C	X	0	0	0 %100
94	MP1C	Z	-.488	-.488	0 %100
95	MP2C	X	0	0	0 %100
96	MP2C	Z	-.488	-.488	0 %100
97	MP3C	X	0	0	0 %100
98	MP3C	Z	-.488	-.488	0 %100
99	MP4C	X	0	0	0 %100
100	MP4C	Z	-.488	-.488	0 %100
101	MP1B	X	0	0	0 %100
102	MP1B	Z	-.488	-.488	0 %100
103	MP2B	X	0	0	0 %100
104	MP2B	Z	-.488	-.488	0 %100
105	MP3B	X	0	0	0 %100
106	MP3B	Z	-.488	-.488	0 %100
107	MP4B	X	0	0	0 %100
108	MP4B	Z	-.488	-.488	0 %100
109	OVP1	X	0	0	0 %100
110	OVP1	Z	-.399	-.399	0 %100
111	M105A	X	0	0	0 %100
112	M105A	Z	-.591	-.591	0 %100
113	M112A	X	0	0	0 %100
114	M112A	Z	-.148	-.148	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M119A	X	0	0	0	%100
116	M119A	Z	-.148	-.148	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	-.154	-.154	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	-.154	-.154	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-.616	-.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	.27	.27	0	%100
2	M100	Z	-.467	-.467	0	%100
3	M101	X	.091	.091	0	%100
4	M101	Z	-.158	-.158	0	%100
5	M102	X	.232	.232	0	%100
6	M102	Z	-.401	-.401	0	%100
7	M103	X	.232	.232	0	%100
8	M103	Z	-.401	-.401	0	%100
9	M104	X	.462	.462	0	%100
10	M104	Z	-.8	-.8	0	%100
11	M107	X	.257	.257	0	%100
12	M107	Z	-.444	-.444	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	.154	.154	0	%100
16	M112	Z	-.267	-.267	0	%100
17	M113	X	.471	.471	0	%100
18	M113	Z	-.815	-.815	0	%100
19	M115	X	.496	.496	0	%100
20	M115	Z	-.859	-.859	0	%100
21	M117	X	.154	.154	0	%100
22	M117	Z	-.267	-.267	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	.073	.073	0	%100
28	M125	Z	-.126	-.126	0	%100
29	M126	X	.091	.091	0	%100
30	M126	Z	-.158	-.158	0	%100
31	M127	X	.232	.232	0	%100
32	M127	Z	-.401	-.401	0	%100
33	M128	X	.232	.232	0	%100
34	M128	Z	-.401	-.401	0	%100
35	M129	X	.462	.462	0	%100
36	M129	Z	-.8	-.8	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	.257	.257	0	%100
40	M133	Z	-.444	-.444	0	%100
41	M137	X	.154	.154	0	%100
42	M137	Z	-.267	-.267	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M140	Z	0	0	0 %100
47	M142	X	.154	.154	0 %100
48	M142	Z	-.267	-.267	0 %100
49	M143	X	.471	.471	0 %100
50	M143	Z	-.815	-.815	0 %100
51	M145	X	.496	.496	0 %100
52	M145	Z	-.859	-.859	0 %100
53	M150	X	.073	.073	0 %100
54	M150	Z	-.126	-.126	0 %100
55	M151	X	.365	.365	0 %100
56	M151	Z	-.632	-.632	0 %100
57	M152	X	0	0	0 %100
58	M152	Z	0	0	0 %100
59	M153	X	0	0	0 %100
60	M153	Z	0	0	0 %100
61	M154	X	0	0	0 %100
62	M154	Z	0	0	0 %100
63	M157	X	.257	.257	0 %100
64	M157	Z	-.444	-.444	0 %100
65	M158	X	.257	.257	0 %100
66	M158	Z	-.444	-.444	0 %100
67	M162	X	.616	.616	0 %100
68	M162	Z	-1.067	-1.067	0 %100
69	M163	X	.471	.471	0 %100
70	M163	Z	-.815	-.815	0 %100
71	M165	X	.496	.496	0 %100
72	M165	Z	-.859	-.859	0 %100
73	M167	X	.616	.616	0 %100
74	M167	Z	-1.067	-1.067	0 %100
75	M168	X	.471	.471	0 %100
76	M168	Z	-.815	-.815	0 %100
77	M170	X	.496	.496	0 %100
78	M170	Z	-.859	-.859	0 %100
79	M175	X	.291	.291	0 %100
80	M175	Z	-.504	-.504	0 %100
81	M176	X	.27	.27	0 %100
82	M176	Z	-.467	-.467	0 %100
83	M177	X	0	0	0 %100
84	M177	Z	0	0	0 %100
85	MP1A	X	.244	.244	0 %100
86	MP1A	Z	-.422	-.422	0 %100
87	MP2A	X	.244	.244	0 %100
88	MP2A	Z	-.422	-.422	0 %100
89	MP3A	X	.244	.244	0 %100
90	MP3A	Z	-.422	-.422	0 %100
91	MP4A	X	.244	.244	0 %100
92	MP4A	Z	-.422	-.422	0 %100
93	MP1C	X	.244	.244	0 %100
94	MP1C	Z	-.422	-.422	0 %100
95	MP2C	X	.244	.244	0 %100
96	MP2C	Z	-.422	-.422	0 %100
97	MP3C	X	.244	.244	0 %100
98	MP3C	Z	-.422	-.422	0 %100
99	MP4C	X	.244	.244	0 %100
100	MP4C	Z	-.422	-.422	0 %100
101	MP1B	X	.244	.244	0 %100
102	MP1B	Z	-.422	-.422	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
103	MP2B	X	.244	.244	0	%100
104	MP2B	Z	-.422	-.422	0	%100
105	MP3B	X	.244	.244	0	%100
106	MP3B	Z	-.422	-.422	0	%100
107	MP4B	X	.244	.244	0	%100
108	MP4B	Z	-.422	-.422	0	%100
109	OVP1	X	.199	.199	0	%100
110	OVP1	Z	-.345	-.345	0	%100
111	M105A	X	.221	.221	0	%100
112	M105A	Z	-.384	-.384	0	%100
113	M112A	X	.221	.221	0	%100
114	M112A	Z	-.384	-.384	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	.231	.231	0	%100
118	M126A	Z	-.4	-.4	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	.231	.231	0	%100
122	M128A	Z	-.4	-.4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	.156	.156	0	%100
2	M100	Z	-.09	-.09	0	%100
3	M101	X	.474	.474	0	%100
4	M101	Z	-.274	-.274	0	%100
5	M102	X	.134	.134	0	%100
6	M102	Z	-.077	-.077	0	%100
7	M103	X	.134	.134	0	%100
8	M103	Z	-.077	-.077	0	%100
9	M104	X	.267	.267	0	%100
10	M104	Z	-.154	-.154	0	%100
11	M107	X	.593	.593	0	%100
12	M107	Z	-.342	-.342	0	%100
13	M108	X	.148	.148	0	%100
14	M108	Z	-.086	-.086	0	%100
15	M112	X	.8	.8	0	%100
16	M112	Z	-.462	-.462	0	%100
17	M113	X	1.087	1.087	0	%100
18	M113	Z	-.628	-.628	0	%100
19	M115	X	1.145	1.145	0	%100
20	M115	Z	-.661	-.661	0	%100
21	M117	X	.8	.8	0	%100
22	M117	Z	-.462	-.462	0	%100
23	M118	X	.272	.272	0	%100
24	M118	Z	-.157	-.157	0	%100
25	M120	X	.286	.286	0	%100
26	M120	Z	-.165	-.165	0	%100
27	M125	X	.378	.378	0	%100
28	M125	Z	-.218	-.218	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	.535	.535	0	%100
32	M127	Z	-.309	-.309	0	%100
33	M128	X	.535	.535	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M128	Z	-.309	-.309	0 %100
35	M129	X	1.067	1.067	0 %100
36	M129	Z	-.616	-.616	0 %100
37	M132	X	.148	.148	0 %100
38	M132	Z	-.086	-.086	0 %100
39	M133	X	.148	.148	0 %100
40	M133	Z	-.086	-.086	0 %100
41	M137	X	0	0	0 %100
42	M137	Z	0	0	0 %100
43	M138	X	.272	.272	0 %100
44	M138	Z	-.157	-.157	0 %100
45	M140	X	.286	.286	0 %100
46	M140	Z	-.165	-.165	0 %100
47	M142	X	0	0	0 %100
48	M142	Z	0	0	0 %100
49	M143	X	.272	.272	0 %100
50	M143	Z	-.157	-.157	0 %100
51	M145	X	.286	.286	0 %100
52	M145	Z	-.165	-.165	0 %100
53	M150	X	0	0	0 %100
54	M150	Z	0	0	0 %100
55	M151	X	.474	.474	0 %100
56	M151	Z	-.274	-.274	0 %100
57	M152	X	.134	.134	0 %100
58	M152	Z	-.077	-.077	0 %100
59	M153	X	.134	.134	0 %100
60	M153	Z	-.077	-.077	0 %100
61	M154	X	.267	.267	0 %100
62	M154	Z	-.154	-.154	0 %100
63	M157	X	.148	.148	0 %100
64	M157	Z	-.086	-.086	0 %100
65	M158	X	.593	.593	0 %100
66	M158	Z	-.342	-.342	0 %100
67	M162	X	.8	.8	0 %100
68	M162	Z	-.462	-.462	0 %100
69	M163	X	.272	.272	0 %100
70	M163	Z	-.157	-.157	0 %100
71	M165	X	.286	.286	0 %100
72	M165	Z	-.165	-.165	0 %100
73	M167	X	.8	.8	0 %100
74	M167	Z	-.462	-.462	0 %100
75	M168	X	1.087	1.087	0 %100
76	M168	Z	-.628	-.628	0 %100
77	M170	X	1.145	1.145	0 %100
78	M170	Z	-.661	-.661	0 %100
79	M175	X	.378	.378	0 %100
80	M175	Z	-.218	-.218	0 %100
81	M176	X	.623	.623	0 %100
82	M176	Z	-.359	-.359	0 %100
83	M177	X	.156	.156	0 %100
84	M177	Z	-.09	-.09	0 %100
85	MP1A	X	.422	.422	0 %100
86	MP1A	Z	-.244	-.244	0 %100
87	MP2A	X	.422	.422	0 %100
88	MP2A	Z	-.244	-.244	0 %100
89	MP3A	X	.422	.422	0 %100
90	MP3A	Z	-.244	-.244	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
91	MP4A	X	.422	.422	0	%100
92	MP4A	Z	-.244	-.244	0	%100
93	MP1C	X	.422	.422	0	%100
94	MP1C	Z	-.244	-.244	0	%100
95	MP2C	X	.422	.422	0	%100
96	MP2C	Z	-.244	-.244	0	%100
97	MP3C	X	.422	.422	0	%100
98	MP3C	Z	-.244	-.244	0	%100
99	MP4C	X	.422	.422	0	%100
100	MP4C	Z	-.244	-.244	0	%100
101	MP1B	X	.422	.422	0	%100
102	MP1B	Z	-.244	-.244	0	%100
103	MP2B	X	.422	.422	0	%100
104	MP2B	Z	-.244	-.244	0	%100
105	MP3B	X	.422	.422	0	%100
106	MP3B	Z	-.244	-.244	0	%100
107	MP4B	X	.422	.422	0	%100
108	MP4B	Z	-.244	-.244	0	%100
109	OVP1	X	.345	.345	0	%100
110	OVP1	Z	-.199	-.199	0	%100
111	M105A	X	.128	.128	0	%100
112	M105A	Z	-.074	-.074	0	%100
113	M112A	X	.511	.511	0	%100
114	M112A	Z	-.295	-.295	0	%100
115	M119A	X	.128	.128	0	%100
116	M119A	Z	-.074	-.074	0	%100
117	M126A	X	.534	.534	0	%100
118	M126A	Z	-.308	-.308	0	%100
119	M127A	X	.133	.133	0	%100
120	M127A	Z	-.077	-.077	0	%100
121	M128A	X	.133	.133	0	%100
122	M128A	Z	-.077	-.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	.73	.73	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	0	0	0	%100
11	M107	X	.513	.513	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	.513	.513	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	1.232	1.232	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	.941	.941	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	.992	.992	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	1.232	1.232	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
22	M117	Z	0	0	0	%100
23	M118	X	.941	.941	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	.992	.992	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	.582	.582	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	.183	.183	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	.463	.463	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	.463	.463	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	.924	.924	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	.513	.513	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	0	0	0	%100
41	M137	X	.308	.308	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	.941	.941	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	.992	.992	0	%100
46	M140	Z	0	0	0	%100
47	M142	X	.308	.308	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	0	0	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	0	0	0	%100
53	M150	X	.145	.145	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	.183	.183	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	.463	.463	0	%100
58	M152	Z	0	0	0	%100
59	M153	X	.463	.463	0	%100
60	M153	Z	0	0	0	%100
61	M154	X	.924	.924	0	%100
62	M154	Z	0	0	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	0	0	0	%100
65	M158	X	.513	.513	0	%100
66	M158	Z	0	0	0	%100
67	M162	X	.308	.308	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	0	0	0	%100
70	M163	Z	0	0	0	%100
71	M165	X	0	0	0	%100
72	M165	Z	0	0	0	%100
73	M167	X	.308	.308	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	.941	.941	0	%100
76	M168	Z	0	0	0	%100
77	M170	X	.992	.992	0	%100
78	M170	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
79	M175	X	.145	.145	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	.539	.539	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	.539	.539	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	.488	.488	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	.488	.488	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	.488	.488	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	.488	.488	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	.488	.488	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	.488	.488	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	.488	.488	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	.488	.488	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	.488	.488	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	.488	.488	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	.488	.488	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	.488	.488	0	%100
108	MP4B	Z	0	0	0	%100
109	OVP1	X	.399	.399	0	%100
110	OVP1	Z	0	0	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	0	0	0	%100
113	M112A	X	.443	.443	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	.443	.443	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	.462	.462	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	.462	.462	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	.156	.156	0	%100
2	M100	Z	.09	.09	0	%100
3	M101	X	.474	.474	0	%100
4	M101	Z	.274	.274	0	%100
5	M102	X	.134	.134	0	%100
6	M102	Z	.077	.077	0	%100
7	M103	X	.134	.134	0	%100
8	M103	Z	.077	.077	0	%100
9	M104	X	.267	.267	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
10	M104	Z	.154	.154	0	%100
11	M107	X	.148	.148	0	%100
12	M107	Z	.086	.086	0	%100
13	M108	X	.593	.593	0	%100
14	M108	Z	.342	.342	0	%100
15	M112	X	.8	.8	0	%100
16	M112	Z	.462	.462	0	%100
17	M113	X	.272	.272	0	%100
18	M113	Z	.157	.157	0	%100
19	M115	X	.286	.286	0	%100
20	M115	Z	.165	.165	0	%100
21	M117	X	.8	.8	0	%100
22	M117	Z	.462	.462	0	%100
23	M118	X	1.087	1.087	0	%100
24	M118	Z	.628	.628	0	%100
25	M120	X	1.145	1.145	0	%100
26	M120	Z	.661	.661	0	%100
27	M125	X	.378	.378	0	%100
28	M125	Z	.218	.218	0	%100
29	M126	X	.474	.474	0	%100
30	M126	Z	.274	.274	0	%100
31	M127	X	.134	.134	0	%100
32	M127	Z	.077	.077	0	%100
33	M128	X	.134	.134	0	%100
34	M128	Z	.077	.077	0	%100
35	M129	X	.267	.267	0	%100
36	M129	Z	.154	.154	0	%100
37	M132	X	.593	.593	0	%100
38	M132	Z	.342	.342	0	%100
39	M133	X	.148	.148	0	%100
40	M133	Z	.086	.086	0	%100
41	M137	X	.8	.8	0	%100
42	M137	Z	.462	.462	0	%100
43	M138	X	1.087	1.087	0	%100
44	M138	Z	.628	.628	0	%100
45	M140	X	1.145	1.145	0	%100
46	M140	Z	.661	.661	0	%100
47	M142	X	.8	.8	0	%100
48	M142	Z	.462	.462	0	%100
49	M143	X	.272	.272	0	%100
50	M143	Z	.157	.157	0	%100
51	M145	X	.286	.286	0	%100
52	M145	Z	.165	.165	0	%100
53	M150	X	.378	.378	0	%100
54	M150	Z	.218	.218	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	.535	.535	0	%100
58	M152	Z	.309	.309	0	%100
59	M153	X	.535	.535	0	%100
60	M153	Z	.309	.309	0	%100
61	M154	X	1.067	1.067	0	%100
62	M154	Z	.616	.616	0	%100
63	M157	X	.148	.148	0	%100
64	M157	Z	.086	.086	0	%100
65	M158	X	.148	.148	0	%100
66	M158	Z	.086	.086	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
67	M162	X	0	0	%100
68	M162	Z	0	0	%100
69	M163	X	.272	.272	%100
70	M163	Z	.157	.157	%100
71	M165	X	.286	.286	%100
72	M165	Z	.165	.165	%100
73	M167	X	0	0	%100
74	M167	Z	0	0	%100
75	M168	X	.272	.272	%100
76	M168	Z	.157	.157	%100
77	M170	X	.286	.286	%100
78	M170	Z	.165	.165	%100
79	M175	X	0	0	%100
80	M175	Z	0	0	%100
81	M176	X	.156	.156	%100
82	M176	Z	.09	.09	%100
83	M177	X	.623	.623	%100
84	M177	Z	.359	.359	%100
85	MP1A	X	.422	.422	%100
86	MP1A	Z	.244	.244	%100
87	MP2A	X	.422	.422	%100
88	MP2A	Z	.244	.244	%100
89	MP3A	X	.422	.422	%100
90	MP3A	Z	.244	.244	%100
91	MP4A	X	.422	.422	%100
92	MP4A	Z	.244	.244	%100
93	MP1C	X	.422	.422	%100
94	MP1C	Z	.244	.244	%100
95	MP2C	X	.422	.422	%100
96	MP2C	Z	.244	.244	%100
97	MP3C	X	.422	.422	%100
98	MP3C	Z	.244	.244	%100
99	MP4C	X	.422	.422	%100
100	MP4C	Z	.244	.244	%100
101	MP1B	X	.422	.422	%100
102	MP1B	Z	.244	.244	%100
103	MP2B	X	.422	.422	%100
104	MP2B	Z	.244	.244	%100
105	MP3B	X	.422	.422	%100
106	MP3B	Z	.244	.244	%100
107	MP4B	X	.422	.422	%100
108	MP4B	Z	.244	.244	%100
109	OVP1	X	.345	.345	%100
110	OVP1	Z	.199	.199	%100
111	M105A	X	.128	.128	%100
112	M105A	Z	.074	.074	%100
113	M112A	X	.128	.128	%100
114	M112A	Z	.074	.074	%100
115	M119A	X	.511	.511	%100
116	M119A	Z	.295	.295	%100
117	M126A	X	.133	.133	%100
118	M126A	Z	.077	.077	%100
119	M127A	X	.534	.534	%100
120	M127A	Z	.308	.308	%100
121	M128A	X	.133	.133	%100
122	M128A	Z	.077	.077	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	.27	.27	0	%100
2	M100	Z	.467	.467	0	%100
3	M101	X	.091	.091	0	%100
4	M101	Z	.158	.158	0	%100
5	M102	X	.232	.232	0	%100
6	M102	Z	.401	.401	0	%100
7	M103	X	.232	.232	0	%100
8	M103	Z	.401	.401	0	%100
9	M104	X	.462	.462	0	%100
10	M104	Z	.8	.8	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	.257	.257	0	%100
14	M108	Z	.444	.444	0	%100
15	M112	X	.154	.154	0	%100
16	M112	Z	.267	.267	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	.154	.154	0	%100
22	M117	Z	.267	.267	0	%100
23	M118	X	.471	.471	0	%100
24	M118	Z	.815	.815	0	%100
25	M120	X	.496	.496	0	%100
26	M120	Z	.859	.859	0	%100
27	M125	X	.073	.073	0	%100
28	M125	Z	.126	.126	0	%100
29	M126	X	.365	.365	0	%100
30	M126	Z	.632	.632	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	.257	.257	0	%100
38	M132	Z	.444	.444	0	%100
39	M133	X	.257	.257	0	%100
40	M133	Z	.444	.444	0	%100
41	M137	X	.616	.616	0	%100
42	M137	Z	1.067	1.067	0	%100
43	M138	X	.471	.471	0	%100
44	M138	Z	.815	.815	0	%100
45	M140	X	.496	.496	0	%100
46	M140	Z	.859	.859	0	%100
47	M142	X	.616	.616	0	%100
48	M142	Z	1.067	1.067	0	%100
49	M143	X	.471	.471	0	%100
50	M143	Z	.815	.815	0	%100
51	M145	X	.496	.496	0	%100
52	M145	Z	.859	.859	0	%100
53	M150	X	.291	.291	0	%100
54	M150	Z	.504	.504	0	%100
55	M151	X	.091	.091	0	%100
56	M151	Z	.158	.158	0	%100
57	M152	X	.232	.232	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M152	Z	.401	.401	0 %100
59	M153	X	.232	.232	0 %100
60	M153	Z	.401	.401	0 %100
61	M154	X	.462	.462	0 %100
62	M154	Z	.8	.8	0 %100
63	M157	X	.257	.257	0 %100
64	M157	Z	.444	.444	0 %100
65	M158	X	0	0	0 %100
66	M158	Z	0	0	0 %100
67	M162	X	.154	.154	0 %100
68	M162	Z	.267	.267	0 %100
69	M163	X	.471	.471	0 %100
70	M163	Z	.815	.815	0 %100
71	M165	X	.496	.496	0 %100
72	M165	Z	.859	.859	0 %100
73	M167	X	.154	.154	0 %100
74	M167	Z	.267	.267	0 %100
75	M168	X	0	0	0 %100
76	M168	Z	0	0	0 %100
77	M170	X	0	0	0 %100
78	M170	Z	0	0	0 %100
79	M175	X	.073	.073	0 %100
80	M175	Z	.126	.126	0 %100
81	M176	X	0	0	0 %100
82	M176	Z	0	0	0 %100
83	M177	X	.27	.27	0 %100
84	M177	Z	.467	.467	0 %100
85	MP1A	X	.244	.244	0 %100
86	MP1A	Z	.422	.422	0 %100
87	MP2A	X	.244	.244	0 %100
88	MP2A	Z	.422	.422	0 %100
89	MP3A	X	.244	.244	0 %100
90	MP3A	Z	.422	.422	0 %100
91	MP4A	X	.244	.244	0 %100
92	MP4A	Z	.422	.422	0 %100
93	MP1C	X	.244	.244	0 %100
94	MP1C	Z	.422	.422	0 %100
95	MP2C	X	.244	.244	0 %100
96	MP2C	Z	.422	.422	0 %100
97	MP3C	X	.244	.244	0 %100
98	MP3C	Z	.422	.422	0 %100
99	MP4C	X	.244	.244	0 %100
100	MP4C	Z	.422	.422	0 %100
101	MP1B	X	.244	.244	0 %100
102	MP1B	Z	.422	.422	0 %100
103	MP2B	X	.244	.244	0 %100
104	MP2B	Z	.422	.422	0 %100
105	MP3B	X	.244	.244	0 %100
106	MP3B	Z	.422	.422	0 %100
107	MP4B	X	.244	.244	0 %100
108	MP4B	Z	.422	.422	0 %100
109	OVP1	X	.199	.199	0 %100
110	OVP1	Z	.345	.345	0 %100
111	M105A	X	.221	.221	0 %100
112	M105A	Z	.384	.384	0 %100
113	M112A	X	0	0	0 %100
114	M112A	Z	0	0	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
115	M119A	X	.221	.221	0	%100
116	M119A	Z	.384	.384	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	.231	.231	0	%100
120	M127A	Z	.4	.4	0	%100
121	M128A	X	.231	.231	0	%100
122	M128A	Z	.4	.4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	0	0	0	%100
2	M100	Z	.719	.719	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	.618	.618	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	.618	.618	0	%100
9	M104	X	0	0	0	%100
10	M104	Z	1.232	1.232	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	.171	.171	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	.171	.171	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	.314	.314	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	.331	.331	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	.314	.314	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	.331	.331	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	.548	.548	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	.154	.154	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	.154	.154	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	.308	.308	0	%100
37	M132	X	0	0	0	%100
38	M132	Z	.171	.171	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	.684	.684	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	.924	.924	0	%100
43	M138	X	0	0	0	%100
44	M138	Z	.314	.314	0	%100
45	M140	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M140	Z	.331	.331	0 %100
47	M142	X	0	0	0 %100
48	M142	Z	.924	.924	0 %100
49	M143	X	0	0	0 %100
50	M143	Z	1.255	1.255	0 %100
51	M145	X	0	0	0 %100
52	M145	Z	1.322	1.322	0 %100
53	M150	X	0	0	0 %100
54	M150	Z	.436	.436	0 %100
55	M151	X	0	0	0 %100
56	M151	Z	.548	.548	0 %100
57	M152	X	0	0	0 %100
58	M152	Z	.154	.154	0 %100
59	M153	X	0	0	0 %100
60	M153	Z	.154	.154	0 %100
61	M154	X	0	0	0 %100
62	M154	Z	.308	.308	0 %100
63	M157	X	0	0	0 %100
64	M157	Z	.684	.684	0 %100
65	M158	X	0	0	0 %100
66	M158	Z	.171	.171	0 %100
67	M162	X	0	0	0 %100
68	M162	Z	.924	.924	0 %100
69	M163	X	0	0	0 %100
70	M163	Z	1.255	1.255	0 %100
71	M165	X	0	0	0 %100
72	M165	Z	1.322	1.322	0 %100
73	M167	X	0	0	0 %100
74	M167	Z	.924	.924	0 %100
75	M168	X	0	0	0 %100
76	M168	Z	.314	.314	0 %100
77	M170	X	0	0	0 %100
78	M170	Z	.331	.331	0 %100
79	M175	X	0	0	0 %100
80	M175	Z	.436	.436	0 %100
81	M176	X	0	0	0 %100
82	M176	Z	.18	.18	0 %100
83	M177	X	0	0	0 %100
84	M177	Z	.18	.18	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	.488	.488	0 %100
87	MP2A	X	0	0	0 %100
88	MP2A	Z	.488	.488	0 %100
89	MP3A	X	0	0	0 %100
90	MP3A	Z	.488	.488	0 %100
91	MP4A	X	0	0	0 %100
92	MP4A	Z	.488	.488	0 %100
93	MP1C	X	0	0	0 %100
94	MP1C	Z	.488	.488	0 %100
95	MP2C	X	0	0	0 %100
96	MP2C	Z	.488	.488	0 %100
97	MP3C	X	0	0	0 %100
98	MP3C	Z	.488	.488	0 %100
99	MP4C	X	0	0	0 %100
100	MP4C	Z	.488	.488	0 %100
101	MP1B	X	0	0	0 %100
102	MP1B	Z	.488	.488	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
103	MP2B	X	0	0	0	%100
104	MP2B	Z	.488	.488	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	.488	.488	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	.488	.488	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	.399	.399	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	.591	.591	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	.148	.148	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	.148	.148	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	.154	.154	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	.154	.154	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	.616	.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	-.27	-.27	0	%100
2	M100	Z	.467	.467	0	%100
3	M101	X	-.091	-.091	0	%100
4	M101	Z	.158	.158	0	%100
5	M102	X	-.232	-.232	0	%100
6	M102	Z	.401	.401	0	%100
7	M103	X	-.232	-.232	0	%100
8	M103	Z	.401	.401	0	%100
9	M104	X	-.462	-.462	0	%100
10	M104	Z	.8	.8	0	%100
11	M107	X	-.257	-.257	0	%100
12	M107	Z	.444	.444	0	%100
13	M108	X	0	0	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	-.154	-.154	0	%100
16	M112	Z	.267	.267	0	%100
17	M113	X	-.471	-.471	0	%100
18	M113	Z	.815	.815	0	%100
19	M115	X	-.496	-.496	0	%100
20	M115	Z	.859	.859	0	%100
21	M117	X	-.154	-.154	0	%100
22	M117	Z	.267	.267	0	%100
23	M118	X	0	0	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	0	0	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	-.073	-.073	0	%100
28	M125	Z	.126	.126	0	%100
29	M126	X	-.091	-.091	0	%100
30	M126	Z	.158	.158	0	%100
31	M127	X	-.232	-.232	0	%100
32	M127	Z	.401	.401	0	%100
33	M128	X	-.232	-.232	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M128	Z	.401	.401	0 %100
35	M129	X	-.462	-.462	0 %100
36	M129	Z	.8	.8	0 %100
37	M132	X	0	0	0 %100
38	M132	Z	0	0	0 %100
39	M133	X	-.257	-.257	0 %100
40	M133	Z	.444	.444	0 %100
41	M137	X	-.154	-.154	0 %100
42	M137	Z	.267	.267	0 %100
43	M138	X	0	0	0 %100
44	M138	Z	0	0	0 %100
45	M140	X	0	0	0 %100
46	M140	Z	0	0	0 %100
47	M142	X	-.154	-.154	0 %100
48	M142	Z	.267	.267	0 %100
49	M143	X	-.471	-.471	0 %100
50	M143	Z	.815	.815	0 %100
51	M145	X	-.496	-.496	0 %100
52	M145	Z	.859	.859	0 %100
53	M150	X	-.073	-.073	0 %100
54	M150	Z	.126	.126	0 %100
55	M151	X	-.365	-.365	0 %100
56	M151	Z	.632	.632	0 %100
57	M152	X	0	0	0 %100
58	M152	Z	0	0	0 %100
59	M153	X	0	0	0 %100
60	M153	Z	0	0	0 %100
61	M154	X	0	0	0 %100
62	M154	Z	0	0	0 %100
63	M157	X	-.257	-.257	0 %100
64	M157	Z	.444	.444	0 %100
65	M158	X	-.257	-.257	0 %100
66	M158	Z	.444	.444	0 %100
67	M162	X	-.616	-.616	0 %100
68	M162	Z	1.067	1.067	0 %100
69	M163	X	-.471	-.471	0 %100
70	M163	Z	.815	.815	0 %100
71	M165	X	-.496	-.496	0 %100
72	M165	Z	.859	.859	0 %100
73	M167	X	-.616	-.616	0 %100
74	M167	Z	1.067	1.067	0 %100
75	M168	X	-.471	-.471	0 %100
76	M168	Z	.815	.815	0 %100
77	M170	X	-.496	-.496	0 %100
78	M170	Z	.859	.859	0 %100
79	M175	X	-.291	-.291	0 %100
80	M175	Z	.504	.504	0 %100
81	M176	X	-.27	-.27	0 %100
82	M176	Z	.467	.467	0 %100
83	M177	X	0	0	0 %100
84	M177	Z	0	0	0 %100
85	MP1A	X	-.244	-.244	0 %100
86	MP1A	Z	.422	.422	0 %100
87	MP2A	X	-.244	-.244	0 %100
88	MP2A	Z	.422	.422	0 %100
89	MP3A	X	-.244	-.244	0 %100
90	MP3A	Z	.422	.422	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
91	MP4A	X	-.244	-.244	0	%100
92	MP4A	Z	.422	.422	0	%100
93	MP1C	X	-.244	-.244	0	%100
94	MP1C	Z	.422	.422	0	%100
95	MP2C	X	-.244	-.244	0	%100
96	MP2C	Z	.422	.422	0	%100
97	MP3C	X	-.244	-.244	0	%100
98	MP3C	Z	.422	.422	0	%100
99	MP4C	X	-.244	-.244	0	%100
100	MP4C	Z	.422	.422	0	%100
101	MP1B	X	-.244	-.244	0	%100
102	MP1B	Z	.422	.422	0	%100
103	MP2B	X	-.244	-.244	0	%100
104	MP2B	Z	.422	.422	0	%100
105	MP3B	X	-.244	-.244	0	%100
106	MP3B	Z	.422	.422	0	%100
107	MP4B	X	-.244	-.244	0	%100
108	MP4B	Z	.422	.422	0	%100
109	OVP1	X	-.199	-.199	0	%100
110	OVP1	Z	.345	.345	0	%100
111	M105A	X	-.221	-.221	0	%100
112	M105A	Z	.384	.384	0	%100
113	M112A	X	-.221	-.221	0	%100
114	M112A	Z	.384	.384	0	%100
115	M119A	X	0	0	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	-.231	-.231	0	%100
118	M126A	Z	.4	.4	0	%100
119	M127A	X	0	0	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	-.231	-.231	0	%100
122	M128A	Z	.4	.4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	-.156	-.156	0	%100
2	M100	Z	.09	.09	0	%100
3	M101	X	-.474	-.474	0	%100
4	M101	Z	.274	.274	0	%100
5	M102	X	-.134	-.134	0	%100
6	M102	Z	.077	.077	0	%100
7	M103	X	-.134	-.134	0	%100
8	M103	Z	.077	.077	0	%100
9	M104	X	-.267	-.267	0	%100
10	M104	Z	.154	.154	0	%100
11	M107	X	-.593	-.593	0	%100
12	M107	Z	.342	.342	0	%100
13	M108	X	-.148	-.148	0	%100
14	M108	Z	.086	.086	0	%100
15	M112	X	-.8	-.8	0	%100
16	M112	Z	.462	.462	0	%100
17	M113	X	-1.087	-1.087	0	%100
18	M113	Z	.628	.628	0	%100
19	M115	X	-1.145	-1.145	0	%100
20	M115	Z	.661	.661	0	%100
21	M117	X	-.8	-.8	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
22	M117	Z	.462	.462	0	%100
23	M118	X	-.272	-.272	0	%100
24	M118	Z	.157	.157	0	%100
25	M120	X	-.286	-.286	0	%100
26	M120	Z	.165	.165	0	%100
27	M125	X	-.378	-.378	0	%100
28	M125	Z	.218	.218	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-.535	-.535	0	%100
32	M127	Z	.309	.309	0	%100
33	M128	X	-.535	-.535	0	%100
34	M128	Z	.309	.309	0	%100
35	M129	X	-1.067	-1.067	0	%100
36	M129	Z	.616	.616	0	%100
37	M132	X	-.148	-.148	0	%100
38	M132	Z	.086	.086	0	%100
39	M133	X	-.148	-.148	0	%100
40	M133	Z	.086	.086	0	%100
41	M137	X	0	0	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	-.272	-.272	0	%100
44	M138	Z	.157	.157	0	%100
45	M140	X	-.286	-.286	0	%100
46	M140	Z	.165	.165	0	%100
47	M142	X	0	0	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	-.272	-.272	0	%100
50	M143	Z	.157	.157	0	%100
51	M145	X	-.286	-.286	0	%100
52	M145	Z	.165	.165	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	-.474	-.474	0	%100
56	M151	Z	.274	.274	0	%100
57	M152	X	-.134	-.134	0	%100
58	M152	Z	.077	.077	0	%100
59	M153	X	-.134	-.134	0	%100
60	M153	Z	.077	.077	0	%100
61	M154	X	-.267	-.267	0	%100
62	M154	Z	.154	.154	0	%100
63	M157	X	-.148	-.148	0	%100
64	M157	Z	.086	.086	0	%100
65	M158	X	-.593	-.593	0	%100
66	M158	Z	.342	.342	0	%100
67	M162	X	-.8	-.8	0	%100
68	M162	Z	.462	.462	0	%100
69	M163	X	-.272	-.272	0	%100
70	M163	Z	.157	.157	0	%100
71	M165	X	-.286	-.286	0	%100
72	M165	Z	.165	.165	0	%100
73	M167	X	-.8	-.8	0	%100
74	M167	Z	.462	.462	0	%100
75	M168	X	-1.087	-1.087	0	%100
76	M168	Z	.628	.628	0	%100
77	M170	X	-1.145	-1.145	0	%100
78	M170	Z	.661	.661	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
79	M175	X	-.378	-.378	0	%100
80	M175	Z	.218	.218	0	%100
81	M176	X	-.623	-.623	0	%100
82	M176	Z	.359	.359	0	%100
83	M177	X	-.156	-.156	0	%100
84	M177	Z	.09	.09	0	%100
85	MP1A	X	-.422	-.422	0	%100
86	MP1A	Z	.244	.244	0	%100
87	MP2A	X	-.422	-.422	0	%100
88	MP2A	Z	.244	.244	0	%100
89	MP3A	X	-.422	-.422	0	%100
90	MP3A	Z	.244	.244	0	%100
91	MP4A	X	-.422	-.422	0	%100
92	MP4A	Z	.244	.244	0	%100
93	MP1C	X	-.422	-.422	0	%100
94	MP1C	Z	.244	.244	0	%100
95	MP2C	X	-.422	-.422	0	%100
96	MP2C	Z	.244	.244	0	%100
97	MP3C	X	-.422	-.422	0	%100
98	MP3C	Z	.244	.244	0	%100
99	MP4C	X	-.422	-.422	0	%100
100	MP4C	Z	.244	.244	0	%100
101	MP1B	X	-.422	-.422	0	%100
102	MP1B	Z	.244	.244	0	%100
103	MP2B	X	-.422	-.422	0	%100
104	MP2B	Z	.244	.244	0	%100
105	MP3B	X	-.422	-.422	0	%100
106	MP3B	Z	.244	.244	0	%100
107	MP4B	X	-.422	-.422	0	%100
108	MP4B	Z	.244	.244	0	%100
109	OVP1	X	-.345	-.345	0	%100
110	OVP1	Z	.199	.199	0	%100
111	M105A	X	-.128	-.128	0	%100
112	M105A	Z	.074	.074	0	%100
113	M112A	X	-.511	-.511	0	%100
114	M112A	Z	.295	.295	0	%100
115	M119A	X	-.128	-.128	0	%100
116	M119A	Z	.074	.074	0	%100
117	M126A	X	-.534	-.534	0	%100
118	M126A	Z	.308	.308	0	%100
119	M127A	X	-.133	-.133	0	%100
120	M127A	Z	.077	.077	0	%100
121	M128A	X	-.133	-.133	0	%100
122	M128A	Z	.077	.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	-.73	-.73	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M104	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
10	M104	Z	0	0	0	%100
11	M107	X	-0.513	-0.513	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	-0.513	-0.513	0	%100
14	M108	Z	0	0	0	%100
15	M112	X	-1.232	-1.232	0	%100
16	M112	Z	0	0	0	%100
17	M113	X	-0.941	-0.941	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	-0.992	-0.992	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	-1.232	-1.232	0	%100
22	M117	Z	0	0	0	%100
23	M118	X	-0.941	-0.941	0	%100
24	M118	Z	0	0	0	%100
25	M120	X	-0.992	-0.992	0	%100
26	M120	Z	0	0	0	%100
27	M125	X	-0.582	-0.582	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	-0.183	-0.183	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-0.463	-0.463	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	-0.463	-0.463	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	-0.924	-0.924	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	-0.513	-0.513	0	%100
38	M132	Z	0	0	0	%100
39	M133	X	0	0	0	%100
40	M133	Z	0	0	0	%100
41	M137	X	-0.308	-0.308	0	%100
42	M137	Z	0	0	0	%100
43	M138	X	-0.941	-0.941	0	%100
44	M138	Z	0	0	0	%100
45	M140	X	-0.992	-0.992	0	%100
46	M140	Z	0	0	0	%100
47	M142	X	-0.308	-0.308	0	%100
48	M142	Z	0	0	0	%100
49	M143	X	0	0	0	%100
50	M143	Z	0	0	0	%100
51	M145	X	0	0	0	%100
52	M145	Z	0	0	0	%100
53	M150	X	-0.145	-0.145	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	-0.183	-0.183	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	-0.463	-0.463	0	%100
58	M152	Z	0	0	0	%100
59	M153	X	-0.463	-0.463	0	%100
60	M153	Z	0	0	0	%100
61	M154	X	-0.924	-0.924	0	%100
62	M154	Z	0	0	0	%100
63	M157	X	0	0	0	%100
64	M157	Z	0	0	0	%100
65	M158	X	-0.513	-0.513	0	%100
66	M158	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
67	M162	X	-.308	-.308	0	%100
68	M162	Z	0	0	0	%100
69	M163	X	0	0	0	%100
70	M163	Z	0	0	0	%100
71	M165	X	0	0	0	%100
72	M165	Z	0	0	0	%100
73	M167	X	-.308	-.308	0	%100
74	M167	Z	0	0	0	%100
75	M168	X	-.941	-.941	0	%100
76	M168	Z	0	0	0	%100
77	M170	X	-.992	-.992	0	%100
78	M170	Z	0	0	0	%100
79	M175	X	-.145	-.145	0	%100
80	M175	Z	0	0	0	%100
81	M176	X	-.539	-.539	0	%100
82	M176	Z	0	0	0	%100
83	M177	X	-.539	-.539	0	%100
84	M177	Z	0	0	0	%100
85	MP1A	X	-.488	-.488	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-.488	-.488	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-.488	-.488	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-.488	-.488	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-.488	-.488	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-.488	-.488	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-.488	-.488	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-.488	-.488	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-.488	-.488	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-.488	-.488	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-.488	-.488	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-.488	-.488	0	%100
108	MP4B	Z	0	0	0	%100
109	OVP1	X	-.399	-.399	0	%100
110	OVP1	Z	0	0	0	%100
111	M105A	X	0	0	0	%100
112	M105A	Z	0	0	0	%100
113	M112A	X	-.443	-.443	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	-.443	-.443	0	%100
116	M119A	Z	0	0	0	%100
117	M126A	X	-.462	-.462	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	-.462	-.462	0	%100
120	M127A	Z	0	0	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M100	X	-.156	-.156	0	%100
2	M100	Z	-.09	-.09	0	%100
3	M101	X	-.474	-.474	0	%100
4	M101	Z	-.274	-.274	0	%100
5	M102	X	-.134	-.134	0	%100
6	M102	Z	-.077	-.077	0	%100
7	M103	X	-.134	-.134	0	%100
8	M103	Z	-.077	-.077	0	%100
9	M104	X	-.267	-.267	0	%100
10	M104	Z	-.154	-.154	0	%100
11	M107	X	-.148	-.148	0	%100
12	M107	Z	-.086	-.086	0	%100
13	M108	X	-.593	-.593	0	%100
14	M108	Z	-.342	-.342	0	%100
15	M112	X	-.8	-.8	0	%100
16	M112	Z	-.462	-.462	0	%100
17	M113	X	-.272	-.272	0	%100
18	M113	Z	-.157	-.157	0	%100
19	M115	X	-.286	-.286	0	%100
20	M115	Z	-.165	-.165	0	%100
21	M117	X	-.8	-.8	0	%100
22	M117	Z	-.462	-.462	0	%100
23	M118	X	-1.087	-1.087	0	%100
24	M118	Z	-.628	-.628	0	%100
25	M120	X	-1.145	-1.145	0	%100
26	M120	Z	-.661	-.661	0	%100
27	M125	X	-.378	-.378	0	%100
28	M125	Z	-.218	-.218	0	%100
29	M126	X	-.474	-.474	0	%100
30	M126	Z	-.274	-.274	0	%100
31	M127	X	-.134	-.134	0	%100
32	M127	Z	-.077	-.077	0	%100
33	M128	X	-.134	-.134	0	%100
34	M128	Z	-.077	-.077	0	%100
35	M129	X	-.267	-.267	0	%100
36	M129	Z	-.154	-.154	0	%100
37	M132	X	-.593	-.593	0	%100
38	M132	Z	-.342	-.342	0	%100
39	M133	X	-.148	-.148	0	%100
40	M133	Z	-.086	-.086	0	%100
41	M137	X	-.8	-.8	0	%100
42	M137	Z	-.462	-.462	0	%100
43	M138	X	-1.087	-1.087	0	%100
44	M138	Z	-.628	-.628	0	%100
45	M140	X	-1.145	-1.145	0	%100
46	M140	Z	-.661	-.661	0	%100
47	M142	X	-.8	-.8	0	%100
48	M142	Z	-.462	-.462	0	%100
49	M143	X	-.272	-.272	0	%100
50	M143	Z	-.157	-.157	0	%100
51	M145	X	-.286	-.286	0	%100
52	M145	Z	-.165	-.165	0	%100
53	M150	X	-.378	-.378	0	%100
54	M150	Z	-.218	-.218	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M152	X	-.535	-.535	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M152	Z	-.309	-.309	0 %100
59	M153	X	-.535	-.535	0 %100
60	M153	Z	-.309	-.309	0 %100
61	M154	X	-1.067	-1.067	0 %100
62	M154	Z	-.616	-.616	0 %100
63	M157	X	-.148	-.148	0 %100
64	M157	Z	-.086	-.086	0 %100
65	M158	X	-.148	-.148	0 %100
66	M158	Z	-.086	-.086	0 %100
67	M162	X	0	0	0 %100
68	M162	Z	0	0	0 %100
69	M163	X	-.272	-.272	0 %100
70	M163	Z	-.157	-.157	0 %100
71	M165	X	-.286	-.286	0 %100
72	M165	Z	-.165	-.165	0 %100
73	M167	X	0	0	0 %100
74	M167	Z	0	0	0 %100
75	M168	X	-.272	-.272	0 %100
76	M168	Z	-.157	-.157	0 %100
77	M170	X	-.286	-.286	0 %100
78	M170	Z	-.165	-.165	0 %100
79	M175	X	0	0	0 %100
80	M175	Z	0	0	0 %100
81	M176	X	-.156	-.156	0 %100
82	M176	Z	-.09	-.09	0 %100
83	M177	X	-.623	-.623	0 %100
84	M177	Z	-.359	-.359	0 %100
85	MP1A	X	-.422	-.422	0 %100
86	MP1A	Z	-.244	-.244	0 %100
87	MP2A	X	-.422	-.422	0 %100
88	MP2A	Z	-.244	-.244	0 %100
89	MP3A	X	-.422	-.422	0 %100
90	MP3A	Z	-.244	-.244	0 %100
91	MP4A	X	-.422	-.422	0 %100
92	MP4A	Z	-.244	-.244	0 %100
93	MP1C	X	-.422	-.422	0 %100
94	MP1C	Z	-.244	-.244	0 %100
95	MP2C	X	-.422	-.422	0 %100
96	MP2C	Z	-.244	-.244	0 %100
97	MP3C	X	-.422	-.422	0 %100
98	MP3C	Z	-.244	-.244	0 %100
99	MP4C	X	-.422	-.422	0 %100
100	MP4C	Z	-.244	-.244	0 %100
101	MP1B	X	-.422	-.422	0 %100
102	MP1B	Z	-.244	-.244	0 %100
103	MP2B	X	-.422	-.422	0 %100
104	MP2B	Z	-.244	-.244	0 %100
105	MP3B	X	-.422	-.422	0 %100
106	MP3B	Z	-.244	-.244	0 %100
107	MP4B	X	-.422	-.422	0 %100
108	MP4B	Z	-.244	-.244	0 %100
109	OVP1	X	-.345	-.345	0 %100
110	OVP1	Z	-.199	-.199	0 %100
111	M105A	X	-.128	-.128	0 %100
112	M105A	Z	-.074	-.074	0 %100
113	M112A	X	-.128	-.128	0 %100
114	M112A	Z	-.074	-.074	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
115	M119A	X	-511	-511	0	%100
116	M119A	Z	-.295	-.295	0	%100
117	M126A	X	-.133	-.133	0	%100
118	M126A	Z	-.077	-.077	0	%100
119	M127A	X	-.534	-.534	0	%100
120	M127A	Z	-.308	-.308	0	%100
121	M128A	X	-.133	-.133	0	%100
122	M128A	Z	-.077	-.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M100	X	-.27	-.27	0	%100
2	M100	Z	-.467	-.467	0	%100
3	M101	X	-.091	-.091	0	%100
4	M101	Z	-.158	-.158	0	%100
5	M102	X	-.232	-.232	0	%100
6	M102	Z	-.401	-.401	0	%100
7	M103	X	-.232	-.232	0	%100
8	M103	Z	-.401	-.401	0	%100
9	M104	X	-.462	-.462	0	%100
10	M104	Z	-.8	-.8	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M108	X	-.257	-.257	0	%100
14	M108	Z	-.444	-.444	0	%100
15	M112	X	-.154	-.154	0	%100
16	M112	Z	-.267	-.267	0	%100
17	M113	X	0	0	0	%100
18	M113	Z	0	0	0	%100
19	M115	X	0	0	0	%100
20	M115	Z	0	0	0	%100
21	M117	X	-.154	-.154	0	%100
22	M117	Z	-.267	-.267	0	%100
23	M118	X	-.471	-.471	0	%100
24	M118	Z	-.815	-.815	0	%100
25	M120	X	-.496	-.496	0	%100
26	M120	Z	-.859	-.859	0	%100
27	M125	X	-.073	-.073	0	%100
28	M125	Z	-.126	-.126	0	%100
29	M126	X	-.365	-.365	0	%100
30	M126	Z	-.632	-.632	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M128	X	0	0	0	%100
34	M128	Z	0	0	0	%100
35	M129	X	0	0	0	%100
36	M129	Z	0	0	0	%100
37	M132	X	-.257	-.257	0	%100
38	M132	Z	-.444	-.444	0	%100
39	M133	X	-.257	-.257	0	%100
40	M133	Z	-.444	-.444	0	%100
41	M137	X	-.616	-.616	0	%100
42	M137	Z	-1.067	-1.067	0	%100
43	M138	X	-.471	-.471	0	%100
44	M138	Z	-.815	-.815	0	%100
45	M140	X	-.496	-.496	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M140	Z	- .859	- .859	0 %100
47	M142	X	- .616	- .616	0 %100
48	M142	Z	-1.067	-1.067	0 %100
49	M143	X	- .471	- .471	0 %100
50	M143	Z	- .815	- .815	0 %100
51	M145	X	- .496	- .496	0 %100
52	M145	Z	- .859	- .859	0 %100
53	M150	X	- .291	- .291	0 %100
54	M150	Z	- .504	- .504	0 %100
55	M151	X	- .091	- .091	0 %100
56	M151	Z	- .158	- .158	0 %100
57	M152	X	- .232	- .232	0 %100
58	M152	Z	- .401	- .401	0 %100
59	M153	X	- .232	- .232	0 %100
60	M153	Z	- .401	- .401	0 %100
61	M154	X	- .462	- .462	0 %100
62	M154	Z	- .8	- .8	0 %100
63	M157	X	- .257	- .257	0 %100
64	M157	Z	- .444	- .444	0 %100
65	M158	X	0	0	0 %100
66	M158	Z	0	0	0 %100
67	M162	X	- .154	- .154	0 %100
68	M162	Z	- .267	- .267	0 %100
69	M163	X	- .471	- .471	0 %100
70	M163	Z	- .815	- .815	0 %100
71	M165	X	- .496	- .496	0 %100
72	M165	Z	- .859	- .859	0 %100
73	M167	X	- .154	- .154	0 %100
74	M167	Z	- .267	- .267	0 %100
75	M168	X	0	0	0 %100
76	M168	Z	0	0	0 %100
77	M170	X	0	0	0 %100
78	M170	Z	0	0	0 %100
79	M175	X	- .073	- .073	0 %100
80	M175	Z	- .126	- .126	0 %100
81	M176	X	0	0	0 %100
82	M176	Z	0	0	0 %100
83	M177	X	- .27	- .27	0 %100
84	M177	Z	- .467	- .467	0 %100
85	MP1A	X	- .244	- .244	0 %100
86	MP1A	Z	- .422	- .422	0 %100
87	MP2A	X	- .244	- .244	0 %100
88	MP2A	Z	- .422	- .422	0 %100
89	MP3A	X	- .244	- .244	0 %100
90	MP3A	Z	- .422	- .422	0 %100
91	MP4A	X	- .244	- .244	0 %100
92	MP4A	Z	- .422	- .422	0 %100
93	MP1C	X	- .244	- .244	0 %100
94	MP1C	Z	- .422	- .422	0 %100
95	MP2C	X	- .244	- .244	0 %100
96	MP2C	Z	- .422	- .422	0 %100
97	MP3C	X	- .244	- .244	0 %100
98	MP3C	Z	- .422	- .422	0 %100
99	MP4C	X	- .244	- .244	0 %100
100	MP4C	Z	- .422	- .422	0 %100
101	MP1B	X	- .244	- .244	0 %100
102	MP1B	Z	- .422	- .422	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	MP2B	X	-.244	-.244	0	%100
104	MP2B	Z	-.422	-.422	0	%100
105	MP3B	X	-.244	-.244	0	%100
106	MP3B	Z	-.422	-.422	0	%100
107	MP4B	X	-.244	-.244	0	%100
108	MP4B	Z	-.422	-.422	0	%100
109	OVP1	X	-.199	-.199	0	%100
110	OVP1	Z	-.345	-.345	0	%100
111	M105A	X	-.221	-.221	0	%100
112	M105A	Z	-.384	-.384	0	%100
113	M112A	X	0	0	0	%100
114	M112A	Z	0	0	0	%100
115	M119A	X	-.221	-.221	0	%100
116	M119A	Z	-.384	-.384	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M127A	X	-.231	-.231	0	%100
120	M127A	Z	-.4	-.4	0	%100
121	M128A	X	-.231	-.231	0	%100
122	M128A	Z	-.4	-.4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M132	Y	-1.597	-4.066	0	.832
2	M132	Y	-4.066	-6.636	.832	1.665
3	M132	Y	-6.636	-7.874	1.665	2.497
4	M132	Y	-7.874	-6.293	2.497	3.329
5	M132	Y	-6.293	-3.33	3.329	4.162
6	M133	Y	-3.329	-6.32	0	.832
7	M133	Y	-6.32	-7.943	.832	1.665
8	M133	Y	-7.943	-6.773	1.665	2.497
9	M133	Y	-6.773	-4.256	2.497	3.329
10	M133	Y	-4.256	-1.812	3.329	4.162
11	M157	Y	-1.812	-4.256	0	.832
12	M157	Y	-4.256	-6.773	.832	1.665
13	M157	Y	-6.773	-7.943	1.665	2.497
14	M157	Y	-7.943	-6.32	2.497	3.329
15	M157	Y	-6.32	-3.329	3.329	4.162
16	M158	Y	-3.33	-6.293	0	.832
17	M158	Y	-6.293	-7.874	.832	1.665
18	M158	Y	-7.874	-6.636	1.665	2.497
19	M158	Y	-6.636	-4.066	2.497	3.329
20	M158	Y	-4.066	-1.597	3.329	4.162
21	M107	Y	-1.812	-4.256	0	.832
22	M107	Y	-4.256	-6.773	.832	1.665
23	M107	Y	-6.773	-7.943	1.665	2.497
24	M107	Y	-7.943	-6.32	2.497	3.329
25	M107	Y	-6.32	-3.329	3.329	4.162
26	M108	Y	-3.33	-6.293	0	.832
27	M108	Y	-6.293	-7.874	.832	1.665
28	M108	Y	-7.874	-6.636	1.665	2.497
29	M108	Y	-6.636	-4.066	2.497	3.329
30	M108	Y	-4.066	-1.597	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
--	--------------	-----------	---------------------------	--------------------------	-----------------------	---------------------

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

	Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M132	Y	-3.514	-8.944	0	.832
2	M132	Y	-8.944	-14.6	.832	1.665
3	M132	Y	-14.6	-17.322	1.665	2.497
4	M132	Y	-17.322	-13.844	2.497	3.329
5	M132	Y	-13.844	-7.326	3.329	4.162
6	M133	Y	-7.323	-13.905	0	.832
7	M133	Y	-13.905	-17.474	.832	1.665
8	M133	Y	-17.474	-14.902	1.665	2.497
9	M133	Y	-14.902	-9.363	2.497	3.329
10	M133	Y	-9.363	-3.986	3.329	4.162
11	M157	Y	-3.976	-9.367	0	.832
12	M157	Y	-9.367	-14.896	.832	1.665
13	M157	Y	-14.896	-17.465	1.665	2.497
14	M157	Y	-17.465	-13.915	2.497	3.329
15	M157	Y	-13.915	-7.34	3.329	4.162
16	M158	Y	-7.325	-13.844	0	.832
17	M158	Y	-13.844	-17.322	.832	1.665
18	M158	Y	-17.322	-14.596	1.665	2.497
19	M158	Y	-14.596	-8.941	2.497	3.329
20	M158	Y	-8.941	-3.523	3.329	4.162
21	M107	Y	-3.514	-8.944	0	.832
22	M107	Y	-8.944	-14.6	.832	1.665
23	M107	Y	-14.6	-17.322	1.665	2.497
24	M107	Y	-17.322	-13.844	2.497	3.329
25	M107	Y	-13.844	-7.326	3.329	4.162
26	M108	Y	-7.323	-13.905	0	.832
27	M108	Y	-13.905	-17.474	.832	1.665
28	M108	Y	-17.474	-14.902	1.665	2.497
29	M108	Y	-14.902	-9.363	2.497	3.329
30	M108	Y	-9.363	-3.986	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N202	N200	N178	N179	Y	Two Way	-.005
2	N229	N231	N208	N207	Y	Two Way	-.005
3	N149	N148A	N170	N172	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N202	N200	N178	N179	Y	Two Way	-.011
2	N207	N208	N231	N229	Y	Two Way	-.011
3	N148A	N149	N172	N170	Y	Two Way	-.011

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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....	LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn		
1	M100	PIPE_3.0	.128	8.896	20	.062	5.104	18	22812...	65205	5.749	5.749	2...H1-1b	
2	M101	HSS4X4X4	.237	0	16	.064	0	y	14	12465...	139518	16.181	16.181	3...H1-1b
3	M102	HSS4X4X4	.166	2.375	14	.046	2.375	y	21	13626...	139518	16.181	16.181	1...H1-1b
4	M103	HSS4X4X4	.167	0	24	.046	0	y	17	13626...	139518	16.181	16.181	1...H1-1b
5	M104	PL1/2x6	.108	.516	6	.074	1.031	y	14	66009...	97200	1.012	12.15	1...H1-1b
6	M107	L2x2x3	.128	0	2	.013	4.162	y	17	9823.1...	23392.8	.558	1.083	1...H2-1
7	M108	L2x2x3	.121	0	12	.013	0	y	21	9823.1...	23392.8	.558	1.083	1...H2-1
8	M112	PL3/8x6	.132	0	10	.345	0	y	19	70647...	72900	.57	9.113	1...H1-1b

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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....	LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn	
9	M113	PL3/8x6	.223	.167	8	.343	0 y	13	71583...	72900	.57	9.113	1...H1-1b
10	M115	PL1/2x6	.037	.112	1	.036	.112 y	49	96757...	97200	1.012	12.15	1...H1-1b
11	M117	PL3/8x6	.133	0	10	.342	0 y	19	70647...	72900	.57	9.113	1...H1-1b
12	M118	PL3/8x6	.213	.167	6	.343	0 y	13	71583...	72900	.57	9.113	1...H1-1b
13	M120	PL1/2x6	.036	.112	1	.025	.112 y	21	96757...	97200	1.012	12.15	1...H1-1b
14	M125	HSS4X4X4	.342	0	16	.064	0 y	14	13925...	139518	16.181	16.181	1...H1-1b
15	M126	HSS4X4X4	.232	0	24	.087	0 y	44	12465...	139518	16.181	16.181	3...H1-1b
16	M127	HSS4X4X4	.166	2.375	22	.046	2.375 y	17	13626...	139518	16.181	16.181	1...H1-1b
17	M128	HSS4X4X4	.166	0	20	.046	0 y	13	13626...	139518	16.181	16.181	1...H1-1b
18	M129	PL1/2x6	.108	.516	10	.074	1.031 y	22	66009...	97200	1.012	12.15	1...H1-1b
19	M132	L2x2x3	.128	0	10	.013	4.162 y	13	9823.1...	23392.8	.558	1.083	1...H2-1
20	M133	L2x2x3	.122	0	8	.013	0 y	17	9823.1...	23392.8	.558	1.083	1...H2-1
21	M137	PL3/8x6	.131	0	6	.346	0 y	15	70647...	72900	.57	9.113	1...H1-1b
22	M138	PL3/8x6	.223	.167	4	.344	0 y	21	71583...	72900	.57	9.113	1...H1-1b
23	M140	PL1/2x6	.037	.112	9	.046	.112 y	48	96757...	97200	1.012	12.15	1...H1-1b
24	M142	PL3/8x6	.133	0	6	.340	0 y	15	70647...	72900	.57	9.113	1...H1-1b
25	M143	PL3/8x6	.212	.167	2	.341	0 y	21	71583...	72900	.57	9.113	1...H1-1b
26	M145	PL1/2x6	.036	.112	9	.025	.112 y	49	96757...	97200	1.012	12.15	1...H1-1b
27	M150	HSS4X4X4	.329	0	24	.087	0 y	44	13925...	139518	16.181	16.181	1...H1-1b
28	M151	HSS4X4X4	.232	0	20	.085	0 y	30	12465...	139518	16.181	16.181	3...H1-1b
29	M152	HSS4X4X4	.166	2.375	18	.046	2.375 y	13	13626...	139518	16.181	16.181	1...H1-1b
30	M153	HSS4X4X4	.167	0	16	.046	0 y	21	13626...	139518	16.181	16.181	1...H1-1b
31	M154	PL1/2x6	.109	.516	10	.085	.516 y	49	66009...	97200	1.012	12.15	1...H1-1b
32	M157	L2x2x3	.128	0	6	.013	0 y	21	9823.1...	23392.8	.558	1.083	1...H2-1
33	M158	L2x2x3	.122	0	4	.013	0 y	13	9823.1...	23392.8	.558	1.083	1...H2-1
34	M162	PL3/8x6	.133	0	2	.346	0 y	23	70647...	72900	.57	9.113	1...H1-1b
35	M163	PL3/8x6	.223	.167	12	.344	0 y	17	71583...	72900	.57	9.113	1...H1-1b
36	M165	PL1/2x6	.037	.112	5	.053	0 y	49	96757...	97200	1.012	12.15	1...H1-1b
37	M167	PL3/8x6	.134	0	2	.343	0 y	24	70647...	72900	.57	9.113	1...H1-1b
38	M168	PL3/8x6	.213	.167	10	.343	0 y	16	71583...	72900	.57	9.113	1...H1-1b
39	M170	PL1/2x6	.036	.112	5	.038	.112 y	49	96757...	97200	1.012	12.15	1...H1-1b
40	M175	HSS4X4X4	.330	0	20	.085	0 y	30	13925...	139518	16.181	16.181	1...H1-1b
41	M176	PIPE_3.0	.129	8.896	16	.062	5.104	14	22812...	65205	5.749	5.749	2...H1-1b
42	M177	PIPE_3.0	.129	8.896	24	.062	5.104	22	22812...	65205	5.749	5.749	2...H1-1b
43	MP1A	PIPE_2.0	.258	3	22	.064	.5	19	20866...	32130	1.872	1.872	1...H1-1b
44	MP2A	PIPE_2.0	.254	3	1	.060	3	10	20866...	32130	1.872	1.872	1...H1-1b
45	MP3A	PIPE_2.0	.237	3	1	.060	3	4	20866...	32130	1.872	1.872	1...H1-1b
46	MP4A	PIPE_2.0	.255	3	16	.063	1.938	6	20866...	32130	1.872	1.872	1...H1-1b
47	MP1C	PIPE_2.0	.258	3	18	.064	.5	15	20866...	32130	1.872	1.872	1...H1-1b
48	MP2C	PIPE_2.0	.254	3	9	.060	3	6	20866...	32130	1.872	1.872	1...H1-1b
49	MP3C	PIPE_2.0	.244	3	9	.060	3	12	20866...	32130	1.872	1.872	1...H1-1b
50	MP4C	PIPE_2.0	.256	3	24	.063	1.938	2	20866...	32130	1.872	1.872	1...H1-1b
51	MP1B	PIPE_2.0	.260	3	14	.065	.5	23	20866...	32130	1.872	1.872	1...H1-1b
52	MP2B	PIPE_2.0	.255	3	5	.060	3	2	20866...	32130	1.872	1.872	1...H1-1b
53	MP3B	PIPE_2.0	.237	3	5	.059	3	8	20866...	32130	1.872	1.872	1...H1-1b
54	MP4B	PIPE_2.0	.256	3	20	.063	1.938	10	20866...	32130	1.872	1.872	1...H1-1b
55	OVP1	PIPE_2.0	.074	2	12	.014	2	12	28843...	32130	1.872	1.872	2...H1-1b
56	M105A	PIPE_2.5	.109	5.396	21	.041	8.604	7	11606...	50715	3.596	3.596	2...H1-1b
57	M112A	PIPE_2.5	.109	5.396	17	.041	8.604	3	11606...	50715	3.596	3.596	2...H1-1b
58	M119A	PIPE_2.5	.110	5.396	13	.041	8.604	11	11606...	50715	3.596	3.596	2...H1-1b
59	M126A	L3X3X4	.117	0	19	.069	0 z	12	46404...	46656	1.688	3.756	1...H2-1
60	M127A	L3X3X4	.117	0	15	.068	0 z	8	46404...	46656	1.688	3.756	1...H2-1
61	M128A	L3X3X4	.117	0	23	.066	0 z	4	46404...	46656	1.688	3.756	1...H2-1



Company :
 Designer :
 Job Number :
 Model Name :

June 28, 2021
 7:24 AM
 Checked By: _____

Envelope Joint Reactions

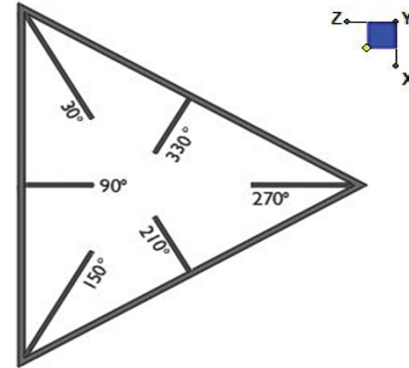
	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N175	max	1030.752	10	2350.681	13	1803.154	1	5.246	13	1.631	4	.1	49
2		min	-1025.04	4	909.476	43	-1942.209	7	1.887	7	-1.623	10	-.094	10
3	N204	max	1460.462	9	2198.165	21	1069.095	1	-.994	3	1.508	12	-1.651	3
4		min	-1583.78	3	916.077	3	-1004.573	7	-2.519	21	-1.5	6	-4.379	21
5	N233	max	1548.737	11	2202.338	17	1128.319	1	-.931	11	1.518	8	4.384	17
6		min	-1431.149	5	916.54	11	-1053.784	7	-2.527	17	-1.511	2	1.687	11
7	Totals:	max	3985.782	10	6638.456	16	4000.568	1						
8		min	-3985.79	4	3200.886	10	-4000.566	7						



I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N204	30
N233	150
N175	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

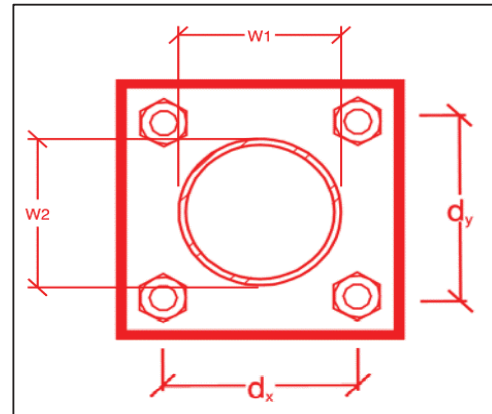
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

Yes
4
6
6
A325N
0.625
21.3
4.0
20.7
12.4
25.7%*
8.1%



*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
0.5
3
4.18
2.97
68.7%
71.2%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in) :	10.3
$\Phi \cdot M_{n_{xx}}$ (kip-in) :	16.2
$M_{u_{yy}}$ (kip-in) :	0.8
$\Phi \cdot M_{n_{yy}}$ (kip-in) :	16.2

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:


















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

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

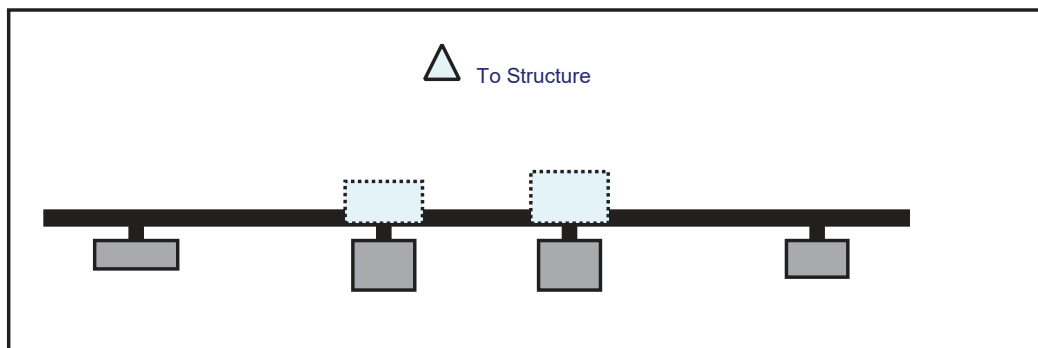
The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____
Name _____
Signature _____

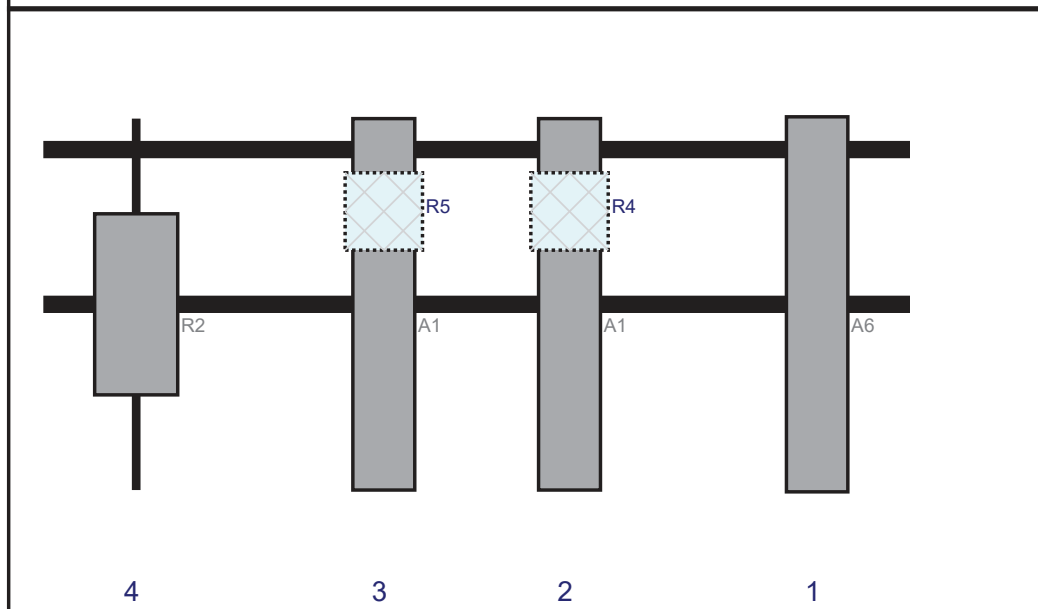
Schedule A – Photo & Document File Structure

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

Plan View

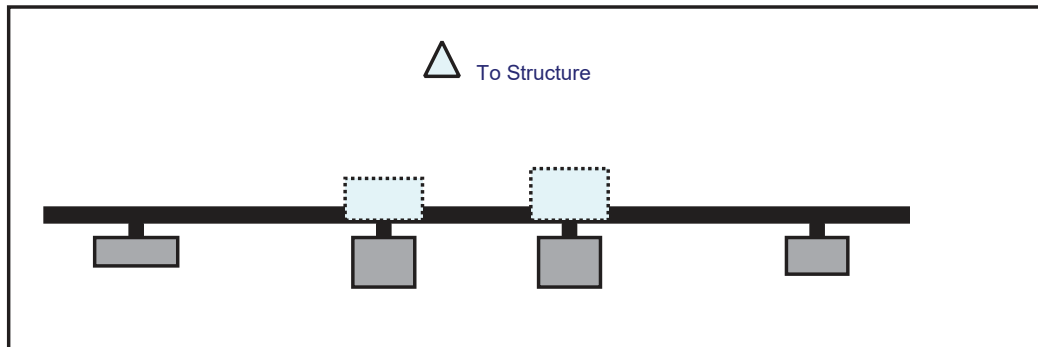


Front View
Looking at Structure

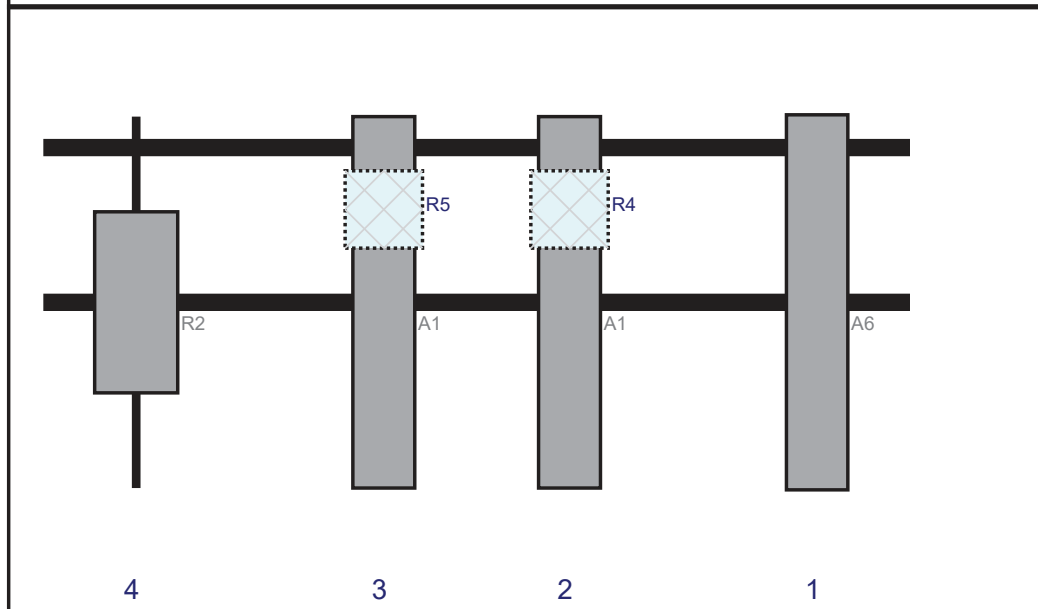


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LNx-8513DS-A1M	72.7	11.9	150	1	a	Front	36	0	Retained	10/20/2015
A1	QS6656-5D	72	12	102	2	a	Front	36	0	Added	
R4	B2/B66A RRR-BR049 (RFV01U-D1A)	15	15	102	2	a	Behind	18	0	Added	
A1	QS6656-5D	72	12	66	3	a	Front	36	0	Added	
R5	B5/B13 RRR-BR04C (RFV01U-D2A)	15	15	66	3	a	Behind	18	0	Added	
R2	MT6407-77A	35.1	16.1	18	4	a	Front	36	0	Added	

Plan View

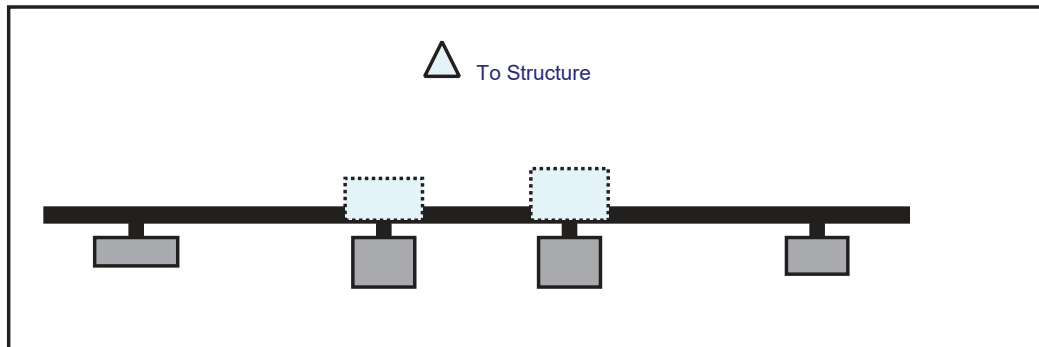


Front View
Looking at Structure

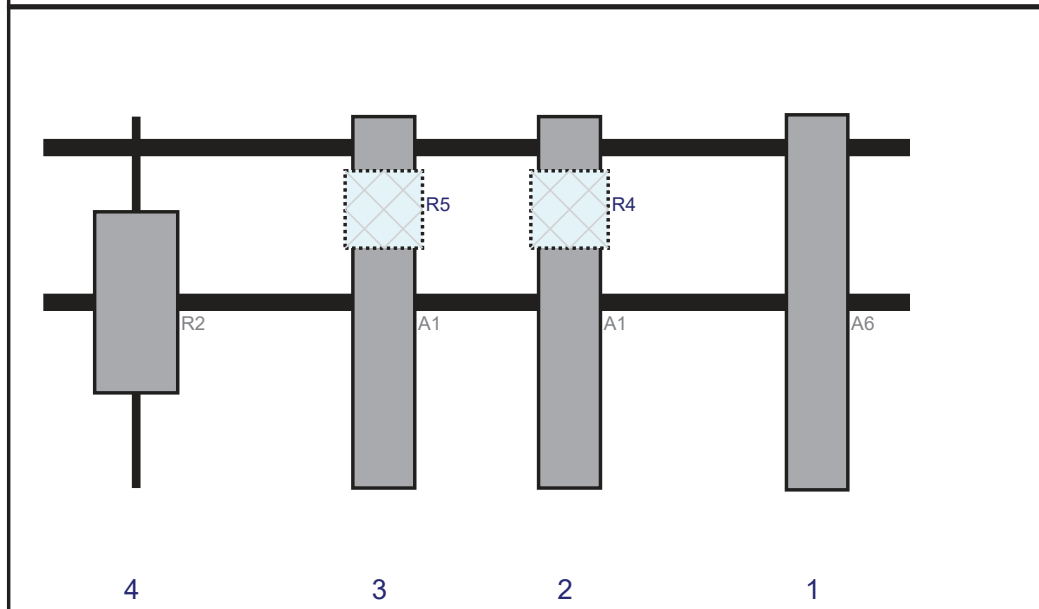


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LNx-8513DS-A1M	72.7	11.9	150	1	a	Front	36	0	Retained	10/20/2015
A1	QS6656-5D	72	12	102	2	a	Front	36	0	Added	
R4	B2/B66A RRR-BR049 (RFV01U-D1A)	15	15	102	2	a	Behind	18	0	Added	
A1	QS6656-5D	72	12	66	3	a	Front	36	0	Added	
R5	B5/B13 RRR-BR04C (RFV01U-D2A)	15	15	66	3	a	Behind	18	0	Added	
R2	MT6407-77A	35.1	16.1	18	4	a	Front	36	0	Added	

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LNx-8513DS-A1M	72.7	11.9	150	1	a	Front	36	0	Retained	10/20/2015
A1	QS6656-5D	72	12	102	2	a	Front	36	0	Added	
R4	B2/B66A RRR-BR049 (RFV01U-D1A)	15	15	102	2	a	Behind	18	0	Added	
A1	QS6656-5D	72	12	66	3	a	Front	36	0	Added	
R5	B5/B13 RRR-BR04C (RFV01U-D2A)	15	15	66	3	a	Behind	18	0	Added	
R2	MT6407-77A	35.1	16.1	18	4	a	Front	36	0	Added	



Maser Consulting

Subject

TIA-222-H Usage

Site Information

Site ID: 467570-VZW / WOODBURY S CT
Site Name: WOODBURY S CT
Carrier Name: Verizon Wireless
Address: 202 Great Hill Road
Woodbury, Connecticut 06798
Litchfield County

Latitude: 41.522006°
Longitude: -73.220736°

Structure Information

Tower Type: 140-Ft Self Support
Mount Type: 14.00-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: **WOODBURY S 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	662	2647	56	0.0304	0.5007	6.06%
VZW CDMA	881.52	2	394	789	56	0.0090	0.5877	1.54%
VZW Cellular	885	4	788	3153	56	0.0362	0.5900	6.13%
VZW PCS	1980	4	1402	5606	56	0.0643	1.0000	6.43%
VZW AWS	2125	4	1462	5848	56	0.0671	1.0000	6.71%
VZW AWS3	2157.5	4	731	2924	56	0.0335	1.0000	3.35%
Total Percentage of Maximum Permissible Exposure								30.22%

*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/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.