



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

October 12, 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# 873633; Verizon Site ID# 467612
10 Bona Street Milford, Connecticut 06461
Latitude: 41.220083 / Longitude: -73.077389**

Ms. Bachman:

Verizon currently maintains fifteen (15) antennas at the 113-foot mount on the existing 133-foot Monopole Tower located at 10 Bona Street Milford, CT. The property is co-owned by 10 Bona Street LLC and Crown Castle 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) Amphenol BXA 171063 8BF EDIN 4 Antennas (**REMOVE**) – (3) Sub6 Antenna - VZS01 Antennas (**REPLACE**)

(3) Antel BXA 171063 8 BF 2 Antennas (**REMOVE**) (3) JMA MX06FRO660-03 Antennas (**REPLACE**)

(3) Swedcom SWCP2X5514 (**REMOVE**) - (3) JMA MX06FRO660-03 Antennas (**REPLACE**)

(3) Alcatel Lucent RRH2X40AWS EDWM Radios (**REMOVE**) - (3) Samsung B2/B66A RRH BR049 Radios (**REPLACE**)

Install New:

(3) Samsung B5/B13 RRH BR04C Radios

(2) OVP-12 Pendant

(3) Support Rail Bracket with 18” long L3X3X1/4 Angles

Remove:

(1) RRFDC-3315-PF-48 Pendant



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(6) Commscope CBC721 DF TMAs

Ground:

Remove:

- (1) Coax Cables (1 5/8")
- (1) Hybrid Cable
- (3) Nokia UHBA B13 RRH 4X30

Install New:

- (2) 6x12 Hybriflex Hybrid Cable

The facility was approved by the Connecticut Siting Council on October 23, 2002.

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 Benjamin G. Blake, Mayor of the City of Milford and David Sulkis, City Planner for the City of Milford. 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).



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

Sincerely,

Colin Robinson

Colin Robinson
Project Manager
NETWORK BUILDING + CONSULTING
100 Apollo Drive Suite 303
Chelmsford, MA 01824
crobenson@nbcllc.com
(360) 561-3311

cc:

Benjamin G. Blake, Mayor (*Via Federal Express*)
City of Milford, CT
110 River St
Milford, CT 06460
203-783-3201

David Sulkis, City Planner (*Via Federal Express*)
City of Milford
70 West River Street
Milford, CT 06460
203-783-3245

Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Wednesday, October 13, 2021 10:32 AM
To: Colin Robinson
Subject: FedEx Shipment 774950779562: Your package has been delivered



Hi. Your package was
delivered Wed, 10/13/2021 at
10:29am.

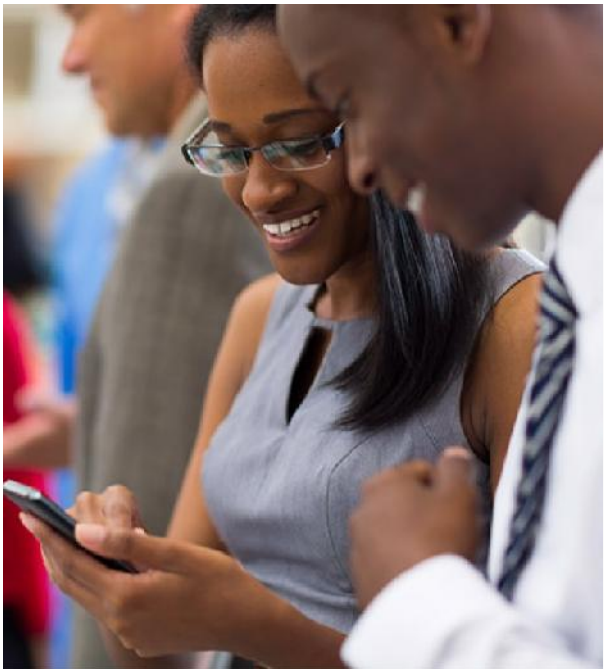


Delivered to 110 RIVER ST, MILFORD, CT 06460

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER	774950779562
FROM	NB+C 100 Apollo Dr. Suite 303 CHELMSFORD, MA, US, 01824
TO	City of Milford, CT Benjamin G. Blake

	110 River St MILFORD, CT, US, 06460
REFERENCE	100788 873633 Milford CT
SHIPPER REFERENCE	100788 873633 Milford CT
SHIP DATE	Tue 10/12/2021 06:15 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	MILFORD, CT, US, 06460
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight



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FOLLOW FEDEX



Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Wednesday, October 13, 2021 10:28 AM
To: Colin Robinson
Subject: FedEx Shipment 774950826241: Your package has been delivered



Hi. Your package was
delivered Wed, 10/13/2021 at
10:23am.



Delivered to 70 W RIVER ST, MILFORD, CT 06460
Received by T.HALL

OBTAIN PROOF OF DELIVERY

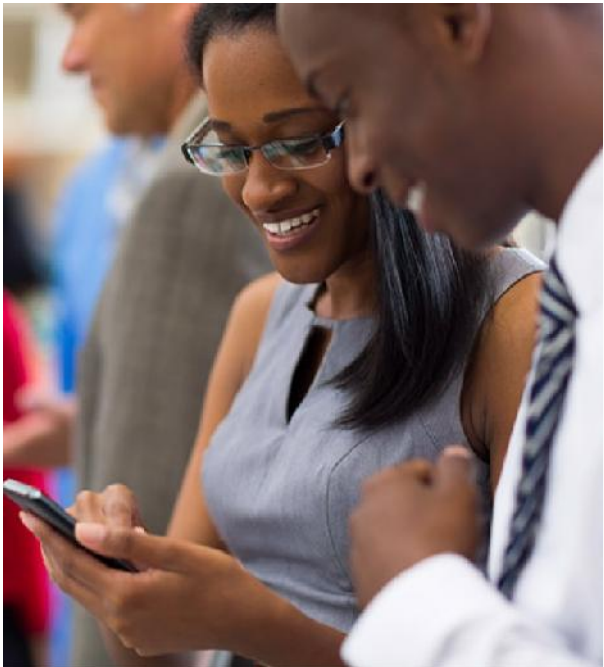
TRACKING NUMBER [774950826241](#)

FROM NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

TO City Planner
David Sulkis

70 West River Street
City of Milford
MILFORD, CT, US, 06460

REFERENCE	100788 873633 Milford CT
SHIPPER REFERENCE	100788 873633 Milford CT
SHIP DATE	Tue 10/12/2021 06:15 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	MILFORD, CT, US, 06460
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
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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

October 24, 2002

Kenneth C. Baldwin
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-084-021004** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 10 Bona Street, Milford, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on October 23, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated October 4, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,



Mortimer A. Gelston
Chairman

MAG/laf

c: Honorable James L. Richetelli, Jr., Mayor, City of Milford
Wade Pierce, City Planner, City of Milford
Michele G. Briggs, Southwestern Bell Mobile Systems
Integrated Mobile Services, LLC

Exhibit B

Property Card



Property Information

Property Location	10 BONA ST
Owner	10 BONA STREET LLC
Co-Owner	C/O CROWN CASTLE
Mailing Address	PMB 353/SITE BU 873633 MCMURRAY PA 15317-2520
Land Use	434V CELL TOWER MDL-00
Land Class	I
Zoning Code	CDD1
Census Tract	

Neighborhood	F
Acreage	0.23
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN UNKNOWN
Book / Page	03141/0288
Fire District	1

Primary Construction Details

Year Built	0
Building Desc.	CELL TOWER
Building Style	UNKNOWN
Building Grade	
Stories	
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	NA

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	

Photo



Sketch



(*Industrial / Commercial Details)

Building Use	Vacant
Building Condition	
Sprinkler %	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA
Foundation	NA



City of Milford, CT

Property Listing Report

Map Block Lot

053 304 70

Bldg #

1

Sec #

1

PID

12894

Account

003888

Valuation Summary (Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Extras	0	0
Improvements		
Outbuildings	250000	175000
Land	101250	70880
Total	351250	245880

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	0	0

Outbuilding and Extra Features

Type	Description
CEL TWR SITE	1 UNITS

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
10 BONA STREET LLC	03141/0288	2007-01-03	0
CLEMENTE JOSEPH N	01111/0191	1981-04-29	0

Exhibit C

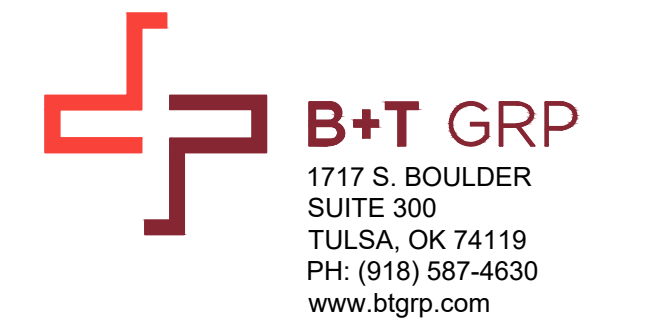
Construction Drawings



VERIZON SITE NUMBER: 467612
VERIZON SITE NAME: MILFORD 3 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 133'-0"

BUSINESS UNIT #: 873633
SITE ADDRESS: 10 BONA STREET
COUNTY: MILFORD, CT 06461
JURISDICTION: NEW HAVEN
SITING COUNCIL: CONNECTICUT

VERIZON 5G L-SUB6 - CARRIER ADD



VERIZON SITE NUMBER: 467612
BU #: 873633
MILFORD
 10 BONA STREET
 MILFORD, CT 06461
 EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/31/21	SIH	FOR CONSTRUCTION	SIH
1	9/15/21	SIH	FOR CONSTRUCTION	SIH

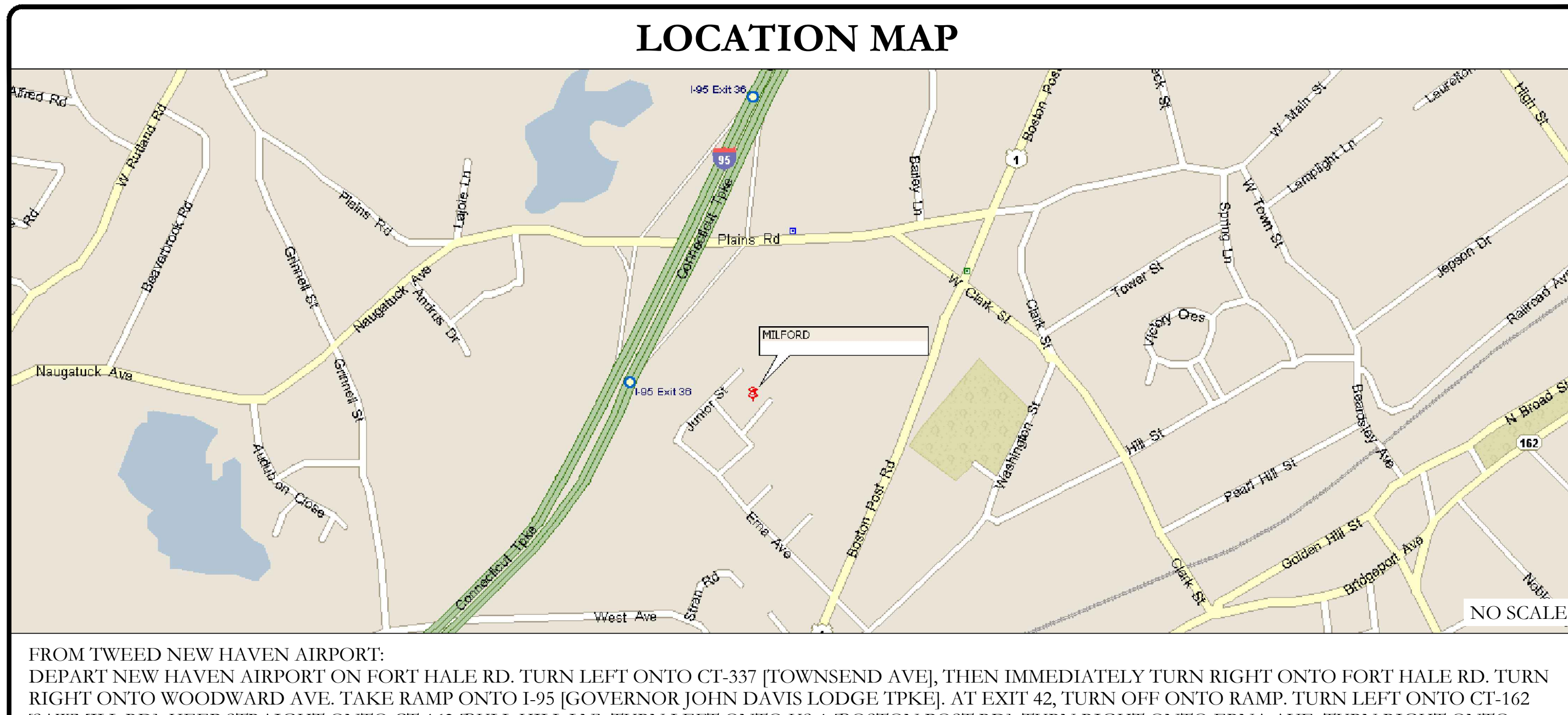
SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	MILFORD
SITE ADDRESS:	10 BONA STREET MILFORD, CT 06461
COUNTY:	NEW HAVEN
MAP/PARCEL #:	053 304 70
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.220083°
LONGITUDE:	-73.077389°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	64'
CURRENT ZONING:	CDD1
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	10 BONA STREET LLC PMB 353/SITE BU 873633 MCMURRAY, PA 15317-2520
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921
ELECTRIC PROVIDER:	NOT PROVIDED
TELCO PROVIDER:	NOT PROVIDED

DRAWING INDEX

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

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



APPROVALS

SIGNATURE	DATE
_____	_____
_____	_____
_____	_____
_____	_____

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	TOWER ENGINEERING PROFESSIONALS
DATED:	5/7/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	5/4/21
RFDS REVISION:	N/A
DATED:	1/12/21
ORDER ID:	552659
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 (3) RADIOS
- REMOVE (6) TMAs
- REMOVE (1) PENDANT
- REMOVE (1) HYBRID CABLE
- REMOVE (1) COAX CABLE (1-5/8")
- INSTALL (9) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (1) 12 OVP
- INSTALL (2) HYBRID CABLES
- INSTALL (3) SIDE BY SIDE ANTENNA MOUNTS
- INSTALL (2) 36" LONG OVP PIPE P2.0 STD
- INSTALL (3) 156" LONG P2.5 STD FACE HORIZONTAL
- INSTALL (3) PROPOSED SUPPORT RAIL CORNER BRACKET

GROUND SCOPE OF WORK:

- REMOVE (3) NOKIA - UHBA B13 RRH 4x30

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

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR	
PROJECT NUMBER	10061730
VzW LOCATION CODE (PSLC)	467612

*** 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

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

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

SHEET NUMBER: T-1	REVISION: 1
-----------------------------	-----------------------

79731.002.01_MILFORD.dwg - SheetT-1 - User: shudson - Sep 15, 2021 - 6:46pm

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- METAL CONDUIT AND TRAY SHALL BE GROUND 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 BITS 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 BITS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BITS.
- 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 NONFERROUS METAL PIPING ONLY).

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIG 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 THE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SLOTTED FITTINGS, ARCS NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD 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 LOCKOUT ON OUTSIDE AND INSIDE.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
- METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
- ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

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

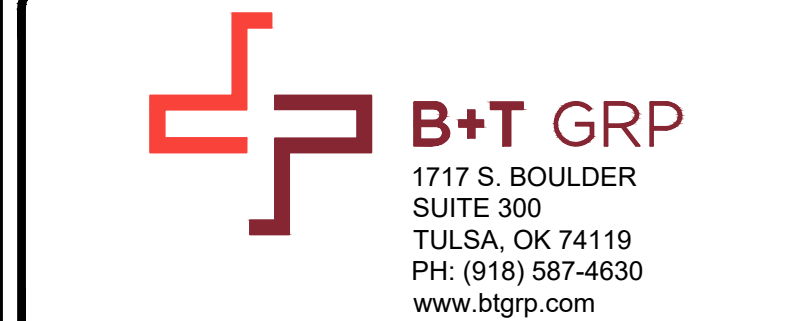
* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

ABBREVIATIONS:

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

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



VERIZON SITE NUMBER:
467612

BU #: **873633**
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/31/21	STH	FOR CONSTRUCTION	STH
1	9/15/21	STH	FOR CONSTRUCTION	STH



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

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

SHEET NUMBER: **T-2** REVISION: **1**

verizon
 180 WASHINGTON VALLEY ROAD
 BEDMINSTER, NJ 07921

CROWN CASTLE
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
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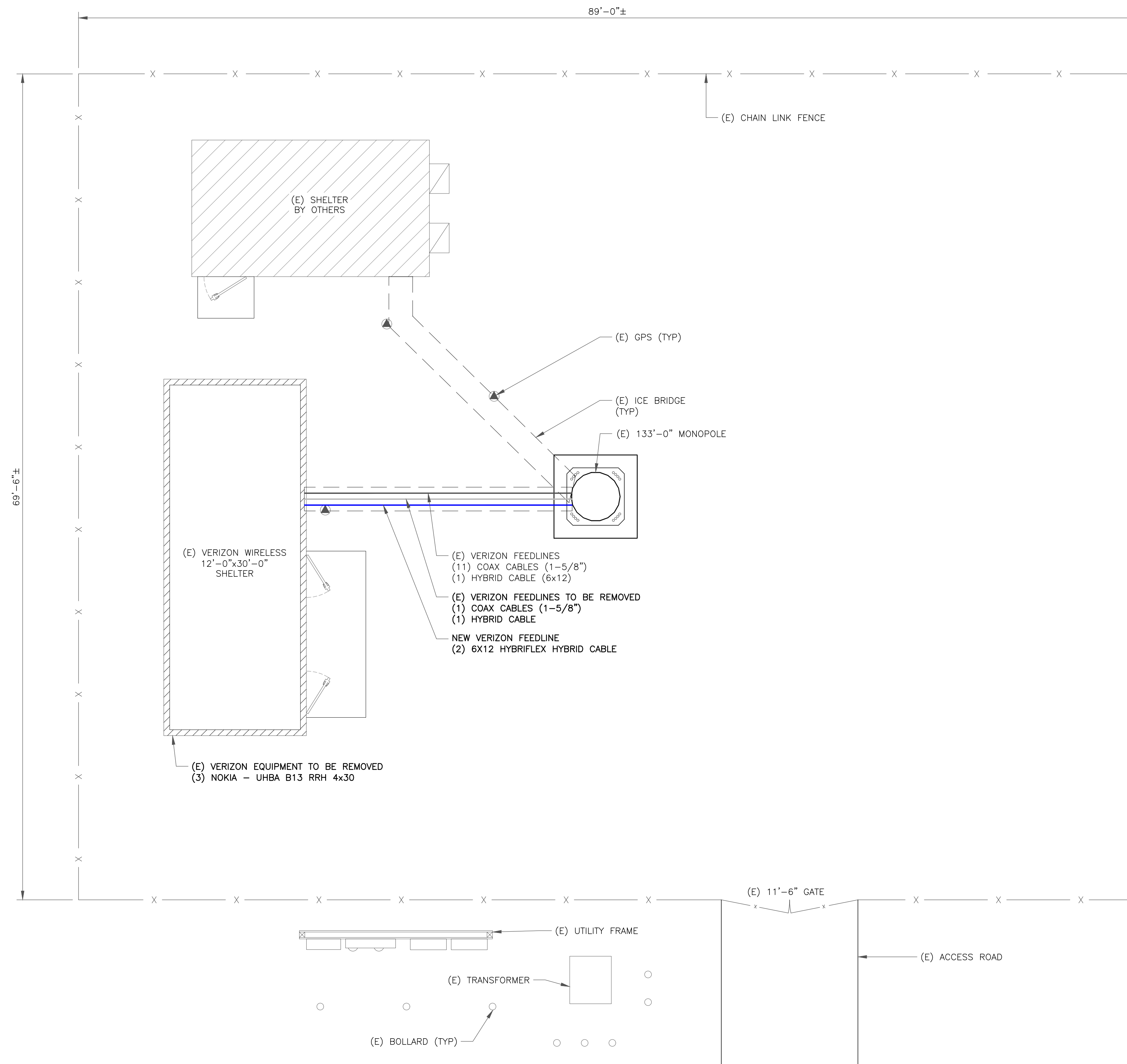
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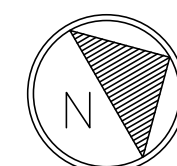
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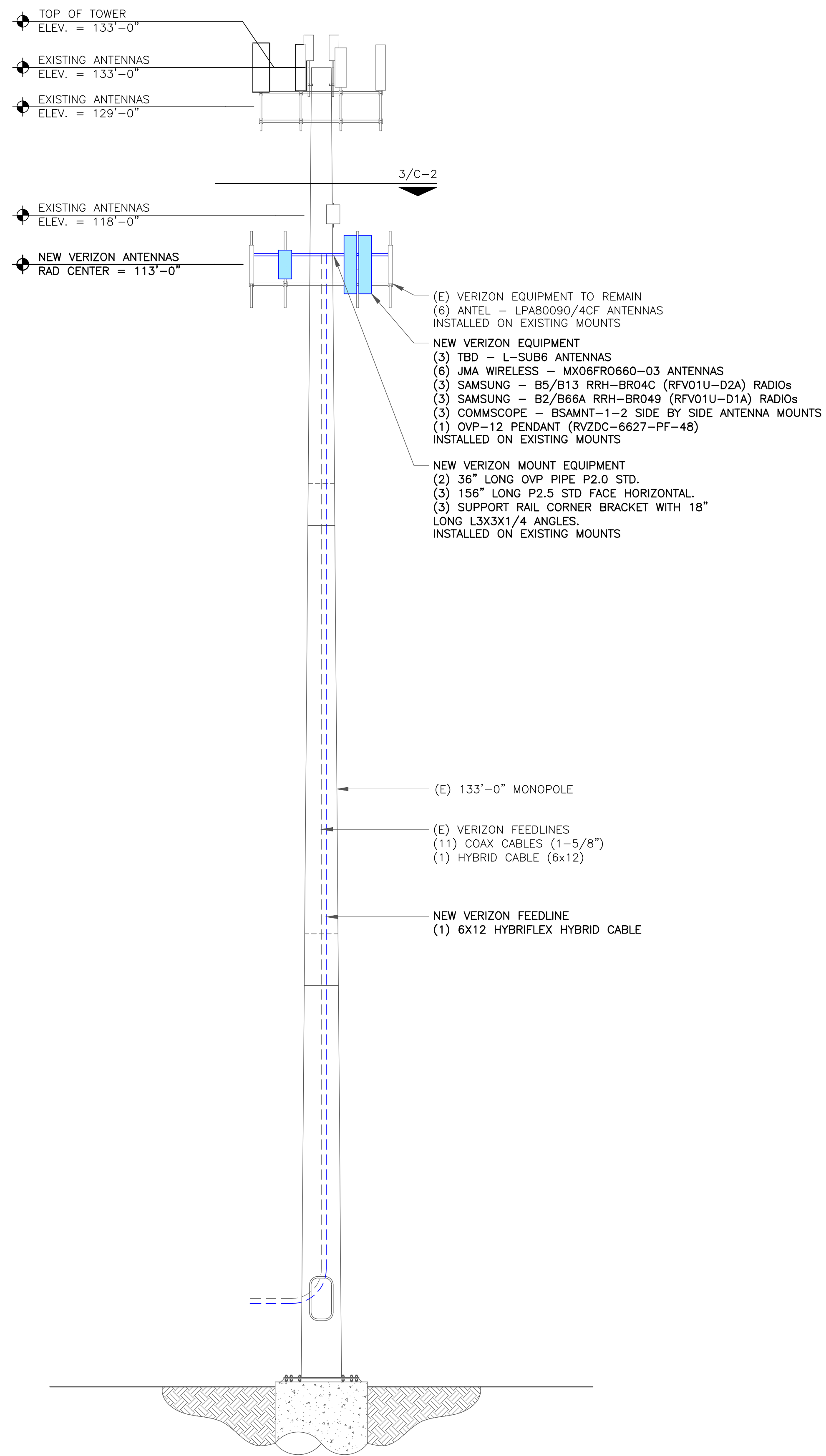
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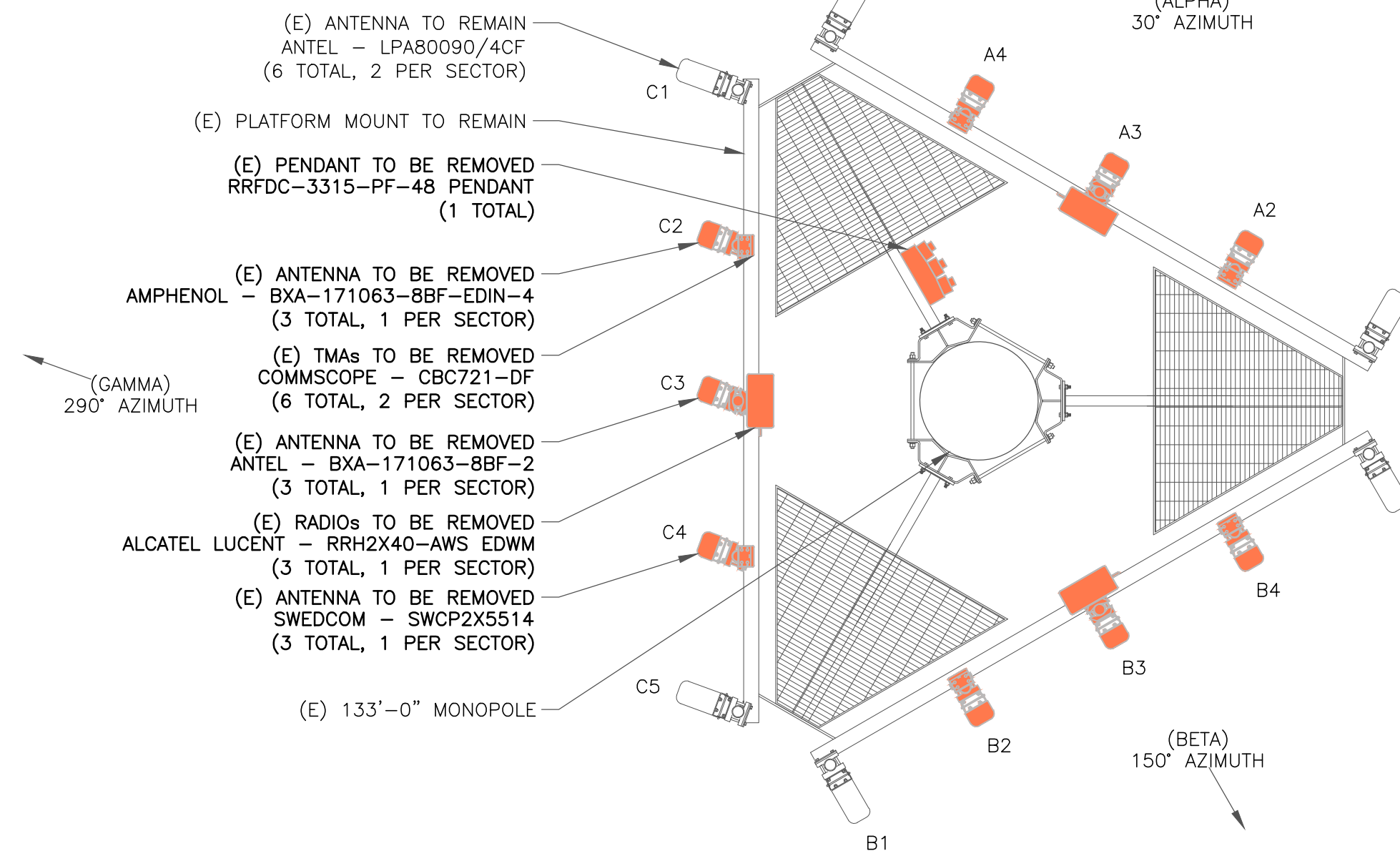


1 SITE PLAN
 SCALE: 3/16"=1'-0" (FULL SIZE)
 3/32"=1'-0" (11x17)

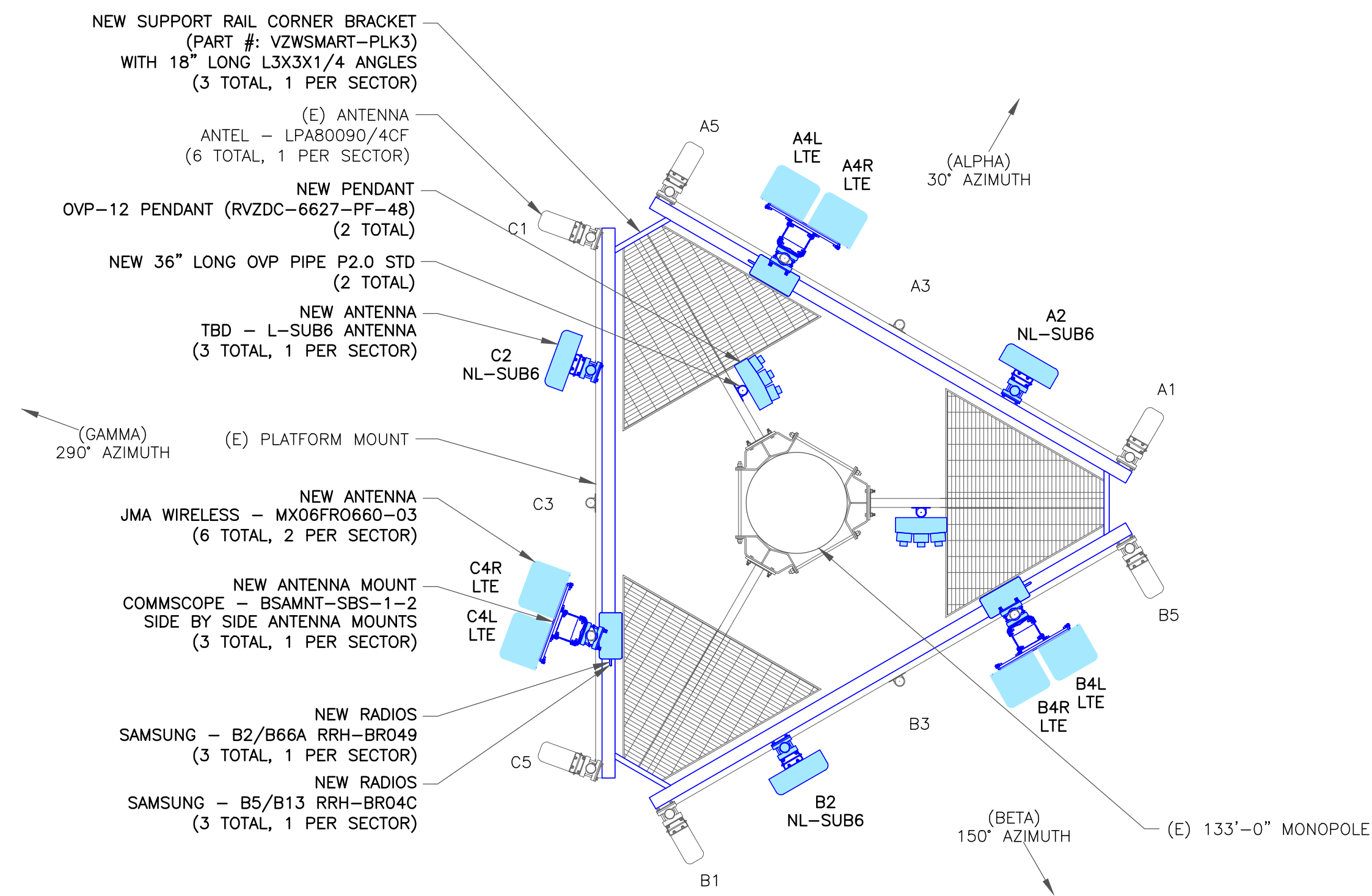




1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

VERIZON EQUIPMENT
ANTENNA CL: 113'-0"
MOUNT CL: 112'-6"

verizon
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467612

BU #: 873633
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	9/15/21	STH	FOR CONSTRUCTION	STH



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SHEET NUMBER:

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REVISION:

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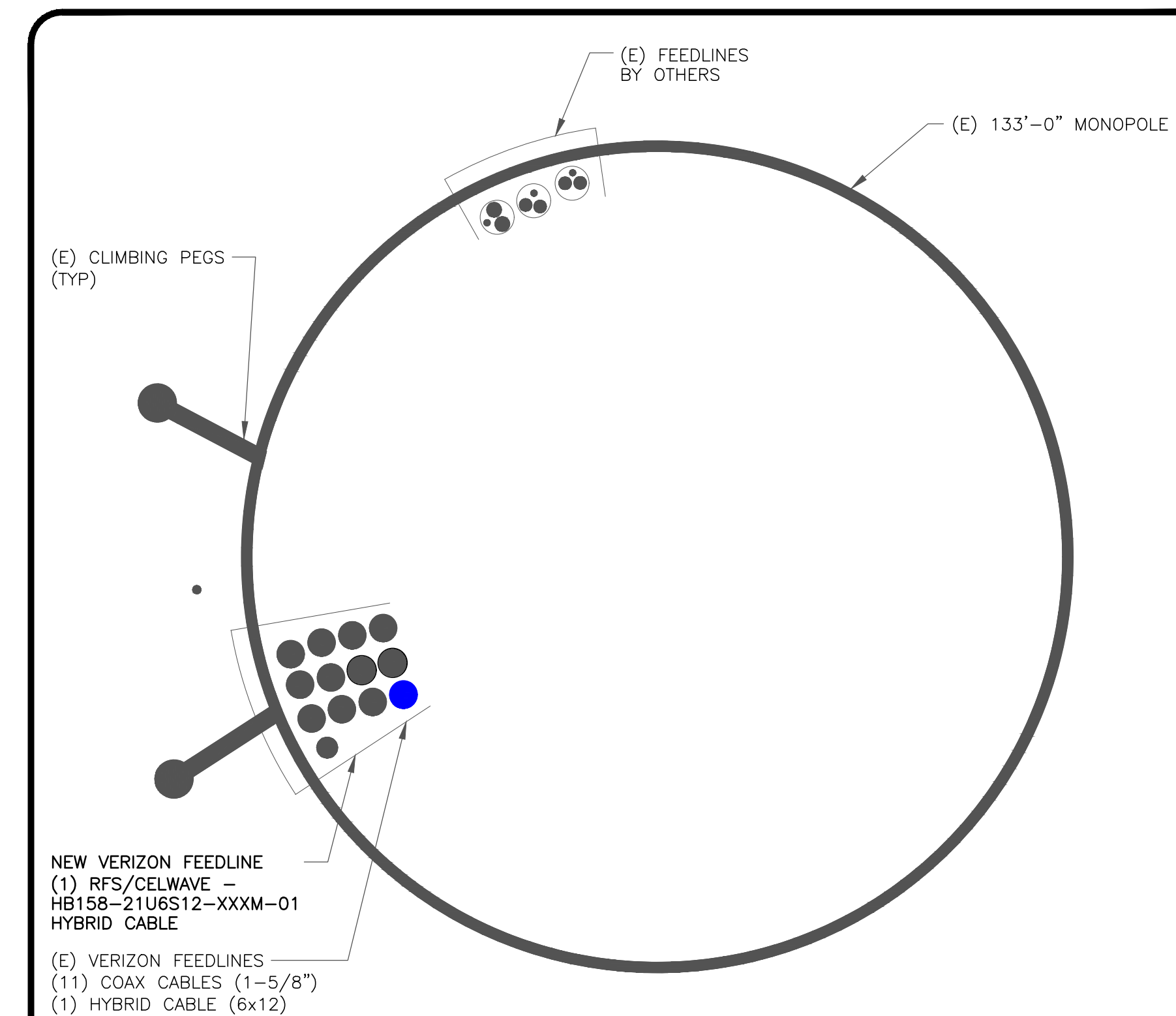
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA80090/4CF	113'-0"	30°	-	-	-	-
A2	NEW	TBD	L-SUB6 ANTENNA	113'-0"	30°	0°	3°	-	-
A3	-	-	-	-	-	-	-	-	-
A4L	NEW	JMA WIRELESS	MX06FRO660-03	113'-0"	30°	0°	4°/4°/6°/6°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
A4R	NEW	JMA WIRELESS	MX06FRO660-03	113'-0"	30°	0°	4°/4°/6°/6°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
A5	EXISTING	ANTEL	LPA80090/4CF	113'-0"	30°	-	-	RAYCAP	(1) RVZDC-6627-PF-48
B1	EXISTING	ANTEL	LPA80090/4CF	113'-0"	150°	-	-	-	-
B2	NEW	TBD	L-SUB6 ANTENNA	113'-0"	150°	0°	3°	-	-
B3	-	-	-	-	-	-	-	-	-
B4L	NEW	JMA WIRELESS	MX06FRO660-03	113'-0"	150°	0°	2°/2°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
B4R	NEW	JMA WIRELESS	MX06FRO660-03	113'-0"	150°	0°	2°/2°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
B5	EXISTING	ANTEL	LPA80090/4CF	113'-0"	150°	-	-	-	-
C1	EXISTING	ANTEL	LPA80090/4CF	113'-0"	290°	-	-	-	-
C2	NEW	TBD	L-SUB6 ANTENNA	113'-0"	290°	0°	3°	-	-
C3	-	-	-	-	-	-	-	-	-
C4L	NEW	JMA WIRELESS	MX06FRO660-03	113'-0"	290°	0°	4°/4°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
C4R	NEW	JMA WIRELESS	MX06FRO660-03	113'-0"	290°	0°	4°/4°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
C5	EXISTING	ANTEL	LPA80090/4CF	113'-0"	290°	-	-	-	-

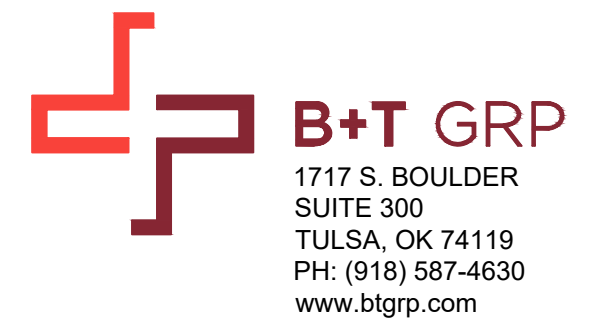
1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	163'-0"±	11
EXISTING	HYBRID	6x12	163'-0"±	1
NEW	HYBRID	6x12	163'-0"±	1
TOTAL CABLE QTY:				13



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:
467612

BU #: 873633
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	9/15/21	STH	FOR CONSTRUCTION	STH



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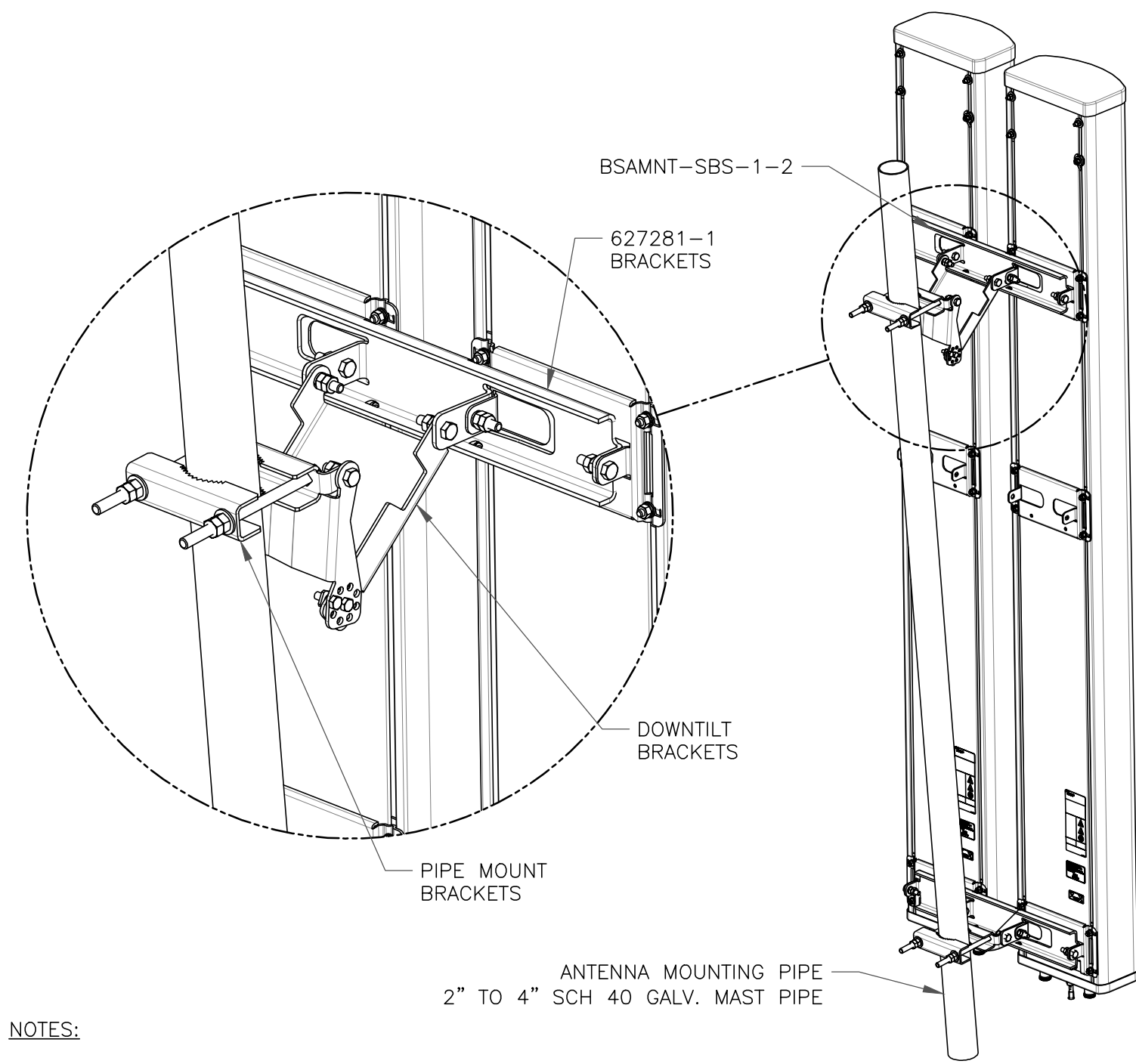
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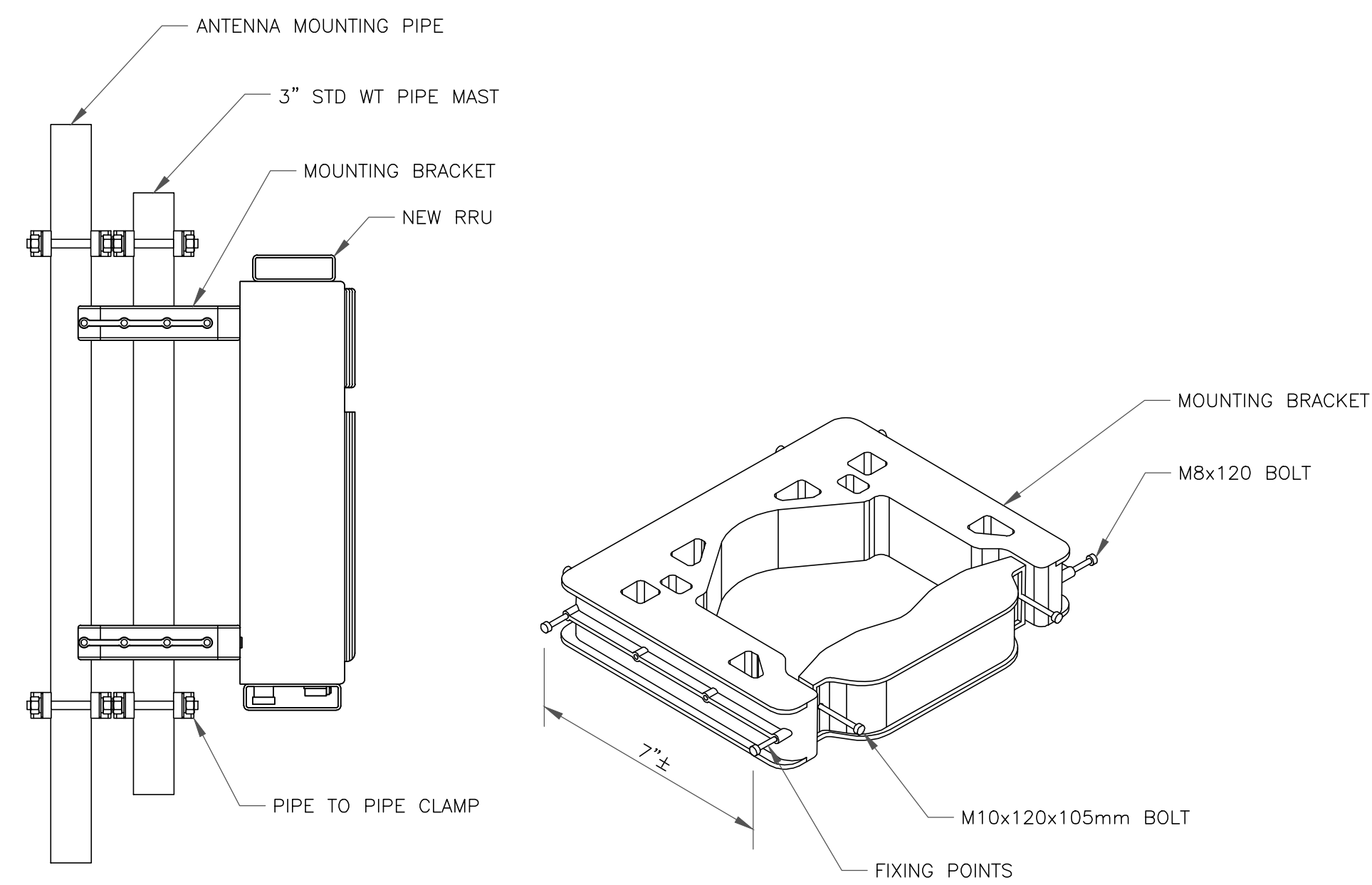


NOTES:

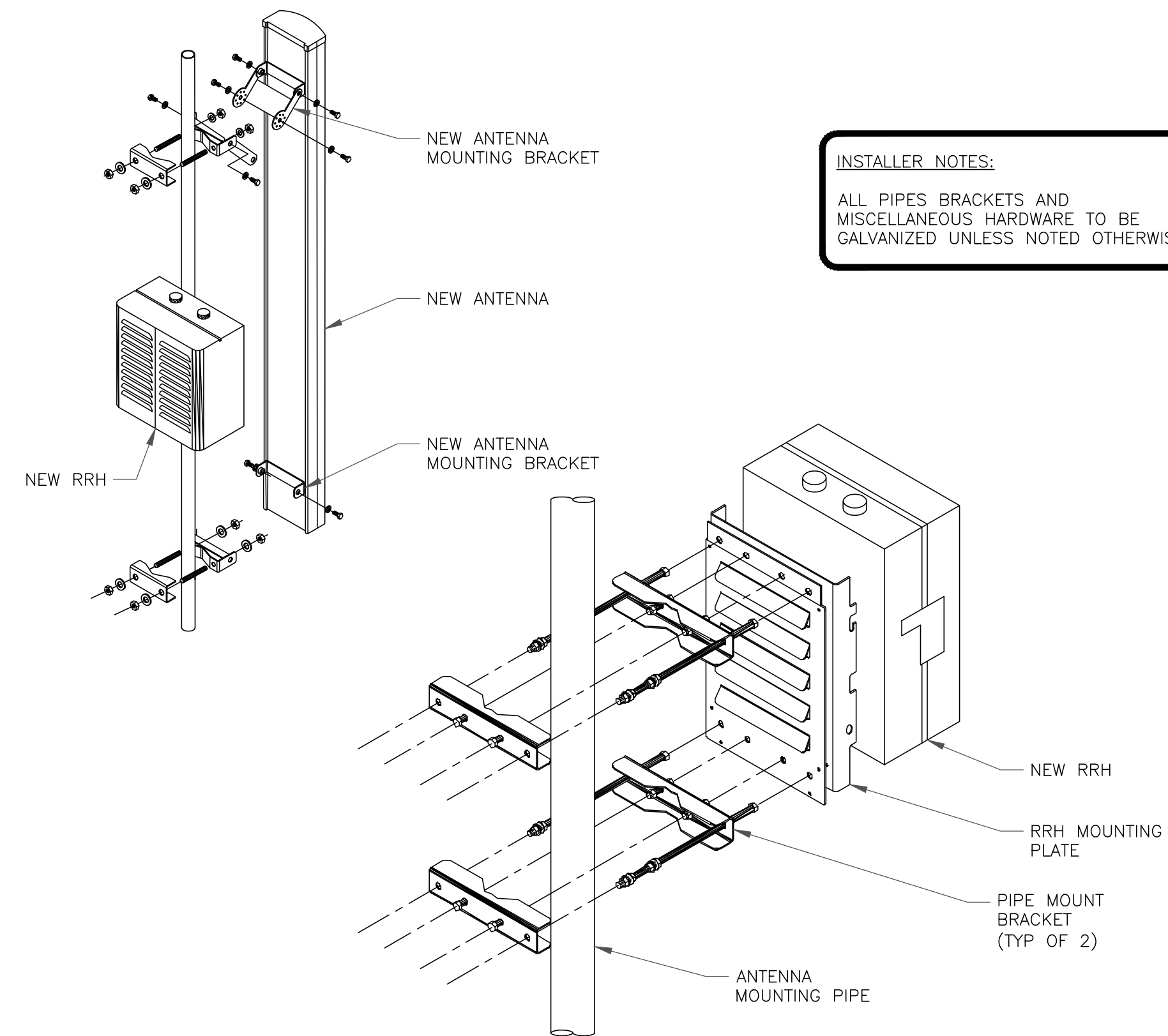
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

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

VERIZON SITE NUMBER:
467612

BU #: **873633**
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

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1	9/15/21	STH	FOR CONSTRUCTION	STH



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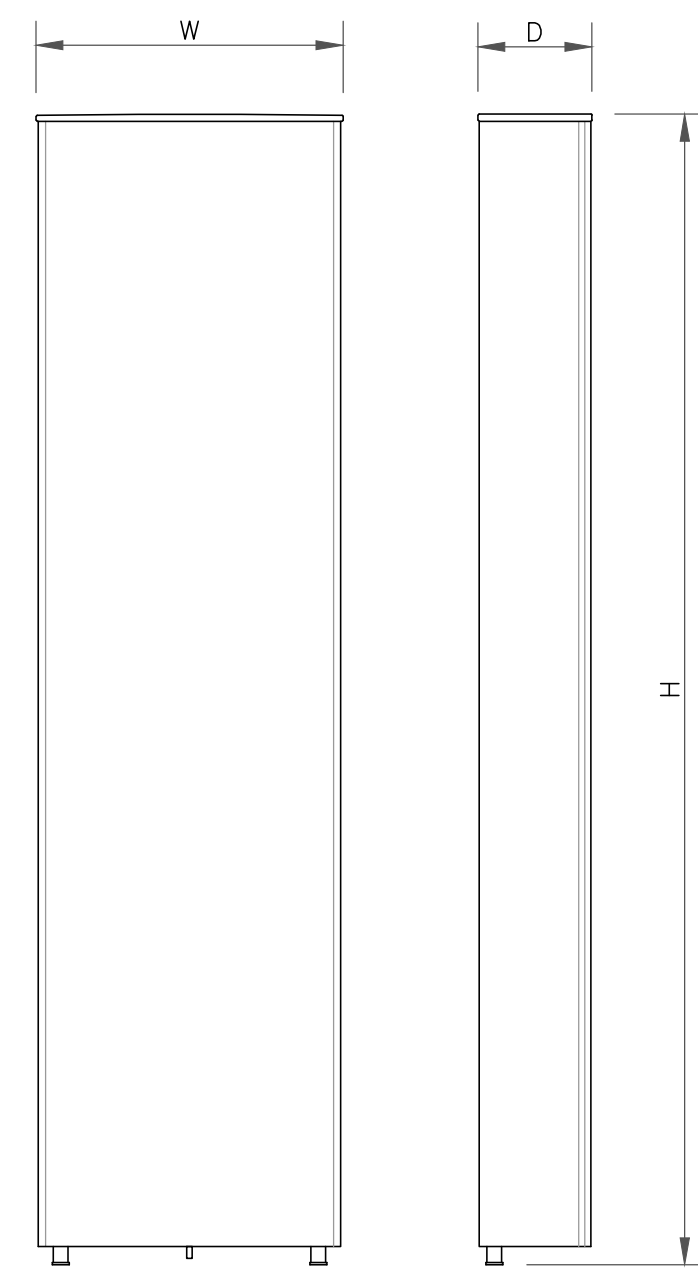
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C-4

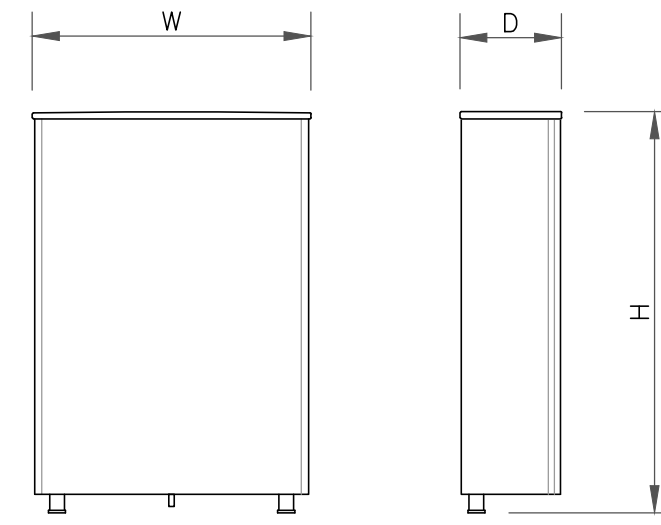
REVISION:

1



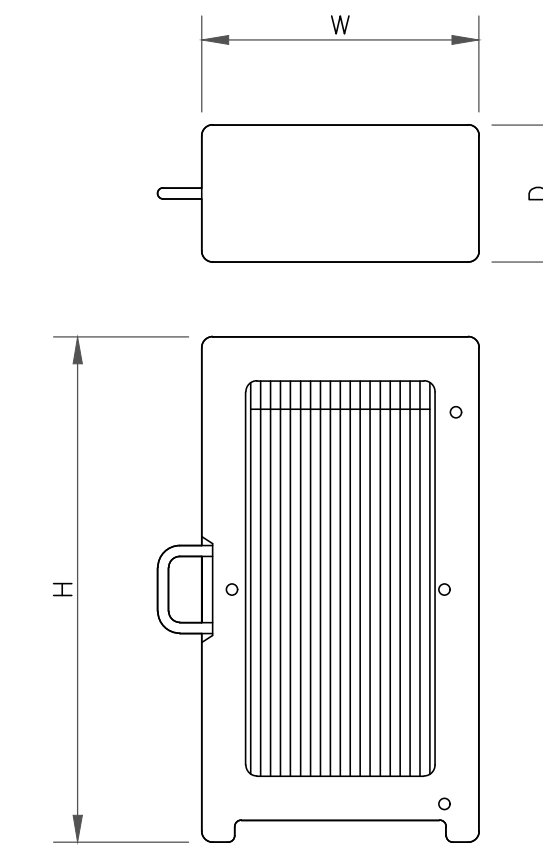
ANTENNA SPECS	
MANUFACTURER	JMA WIRELESS
MODEL #	MX06FRO660-03
WIDTH	15.4"
DEPTH	10.7"
HEIGHT	71.3"
WEIGHT	78.0 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



ANTENNA SPECS	
MANUFACTURER	VZW
MODEL #	SUB6 ANTENNA - VZS01
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.1 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH-BR04C
WIDTH	15"
DEPTH	8.1"
HEIGHT	10"
WEIGHT	70.3 LBS

3 RRU SPECS
SCALE: NOT TO SCALE

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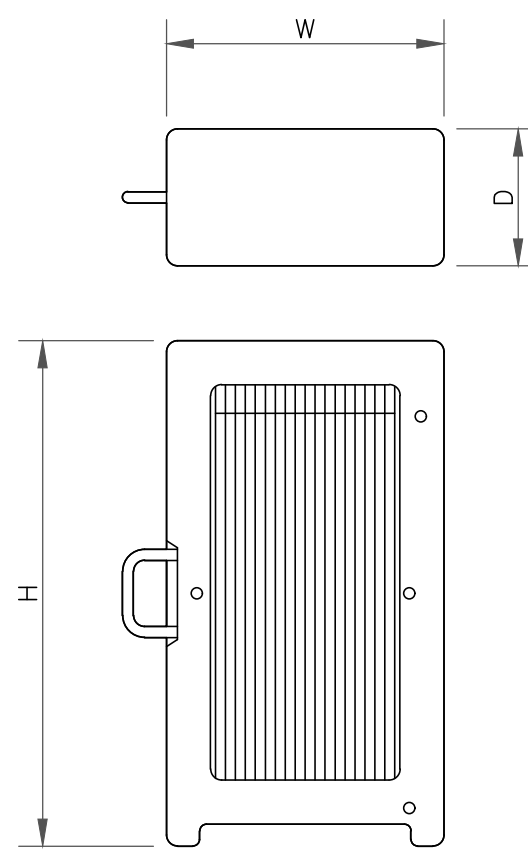
BU #: **873633**
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

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RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15"
DEPTH	10"
HEIGHT	15"
WEIGHT	84.4 LBS

6 RRU SPECS
SCALE: NOT TO SCALE



JUNCTION BOX SPECIFICATIONS	
MANUFACTURER	RAYCAP
MODEL #	RVZDC-6627-PF-48
WIDTH	15.73"
DEPTH	10.31"
HEIGHT	28.93"
WEIGHT	32.0 LBS

5 JUNCTION BOX SPECS
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE



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VERIZON SITE NUMBER:
 467612

BU #: 873633
 MILFORD

10 BONA STREET
 MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

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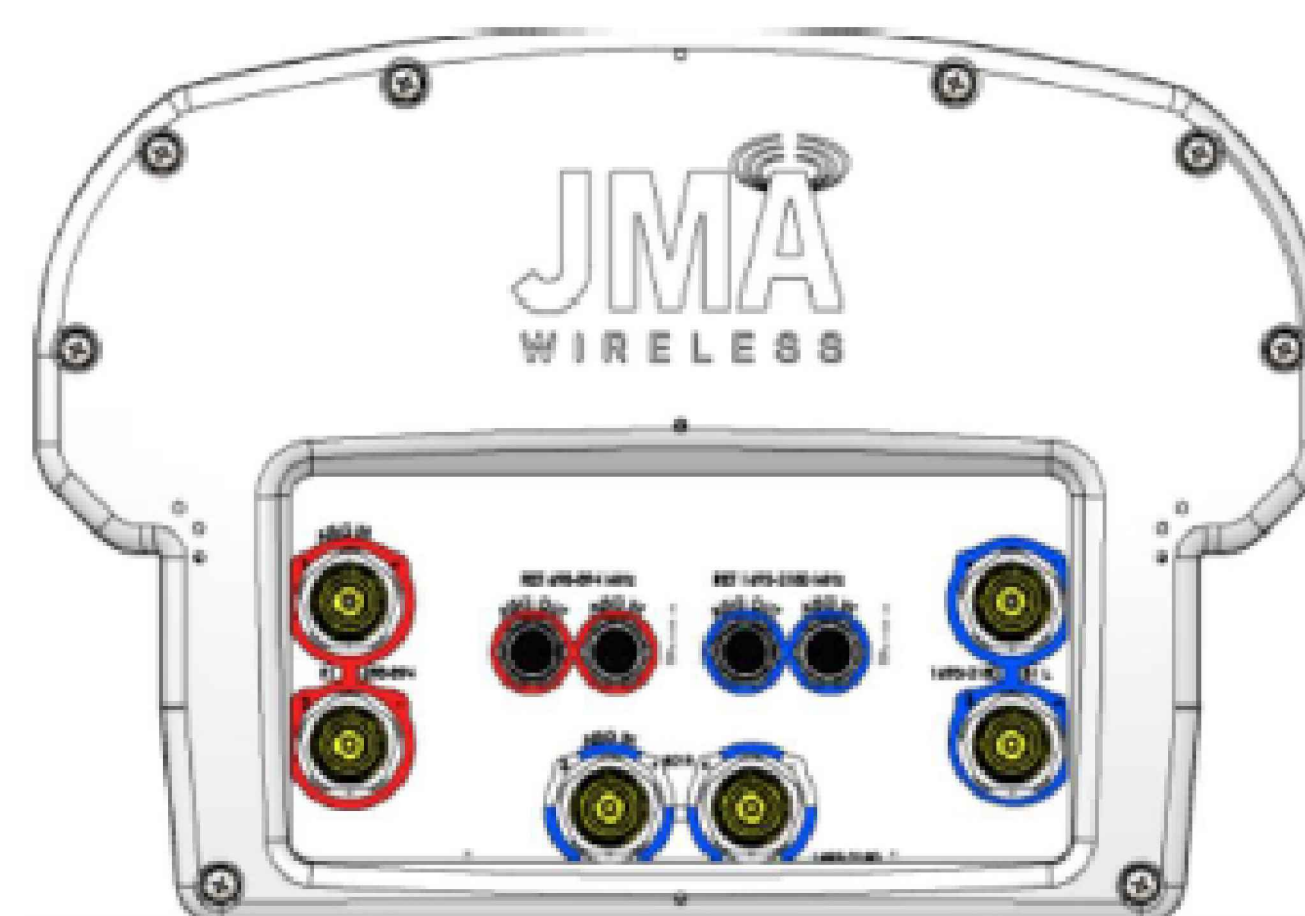
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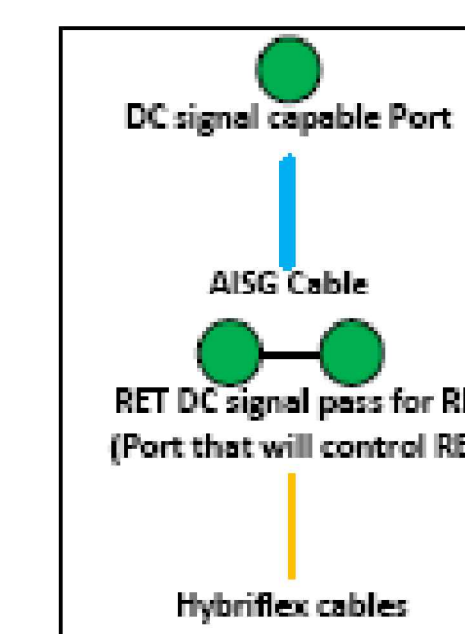
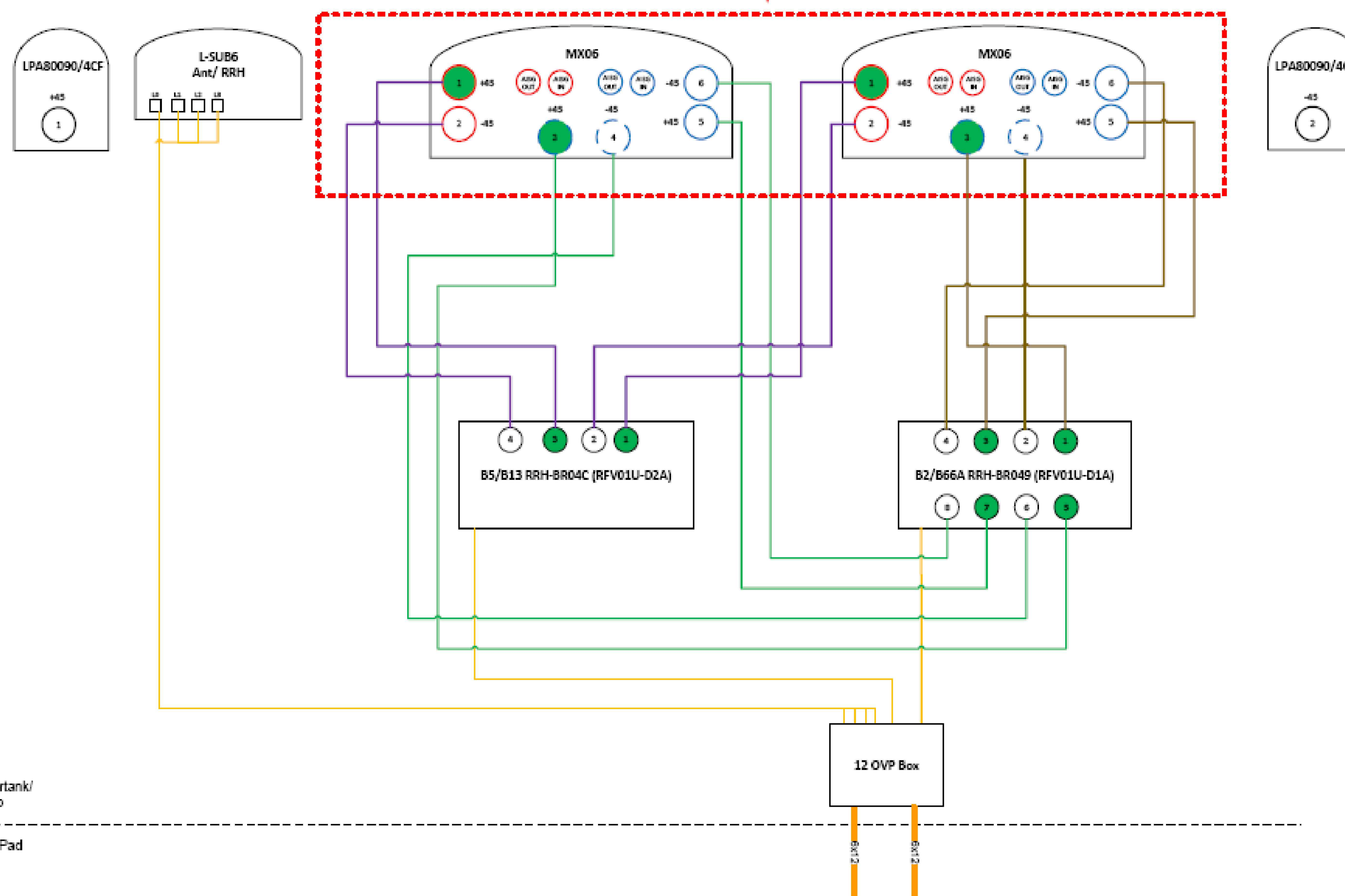
1



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



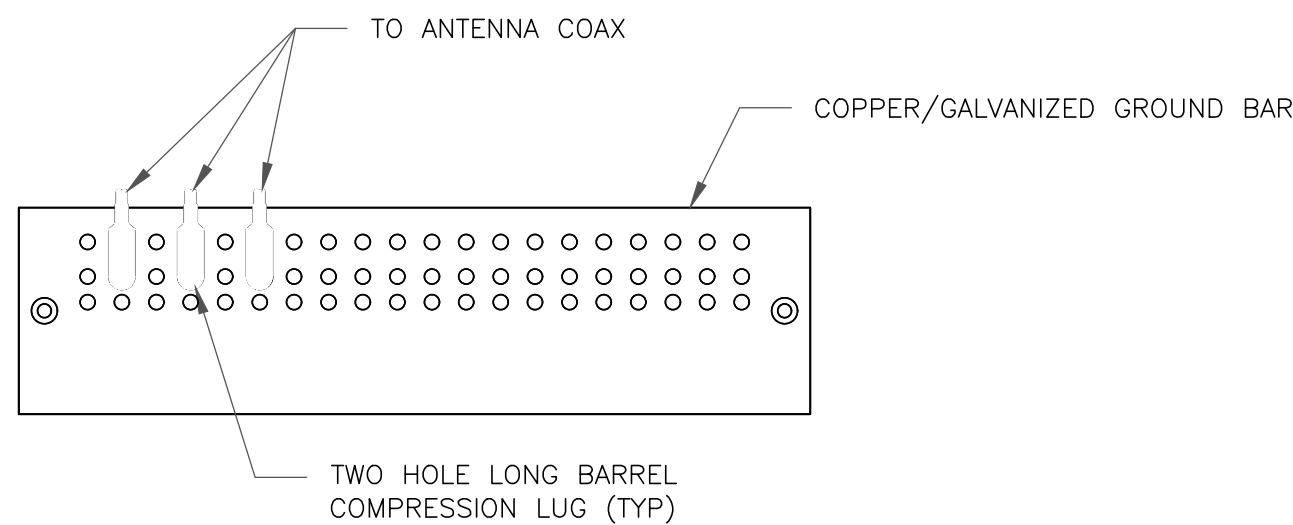
91900314-02



Comments:
 Diagram shows antenna port configuration as viewed from below antennas.
 Antenna positions are indicated as viewed from IN FRONT of antennas.
 Cap and weatherproof unused antenna ports.
 All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

Tower/Watertank/
 Rooftop

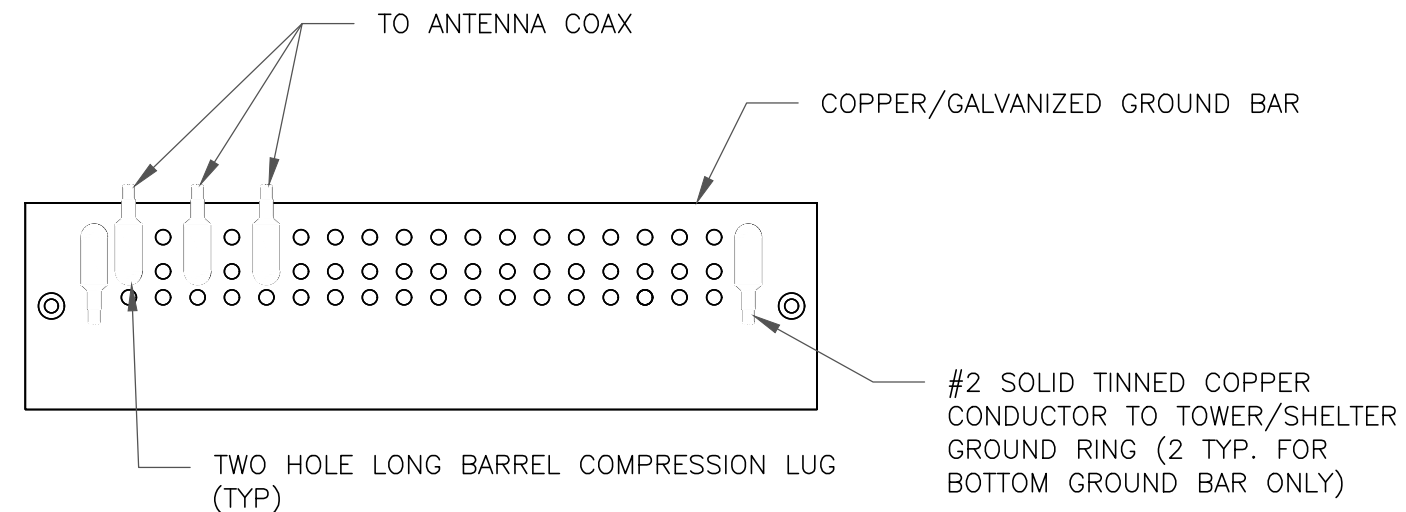
 Equipment Pad



NOTES:

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

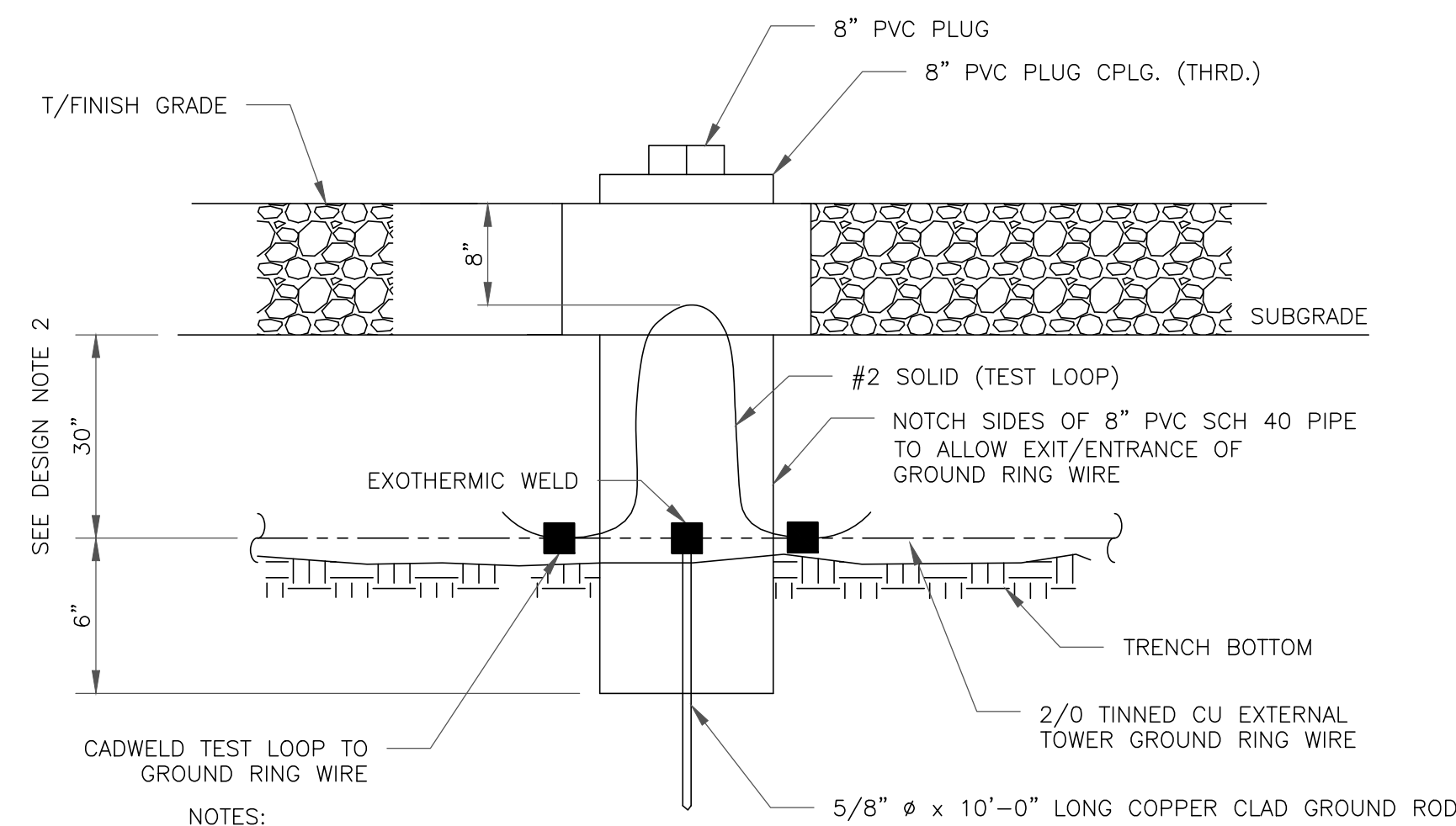
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

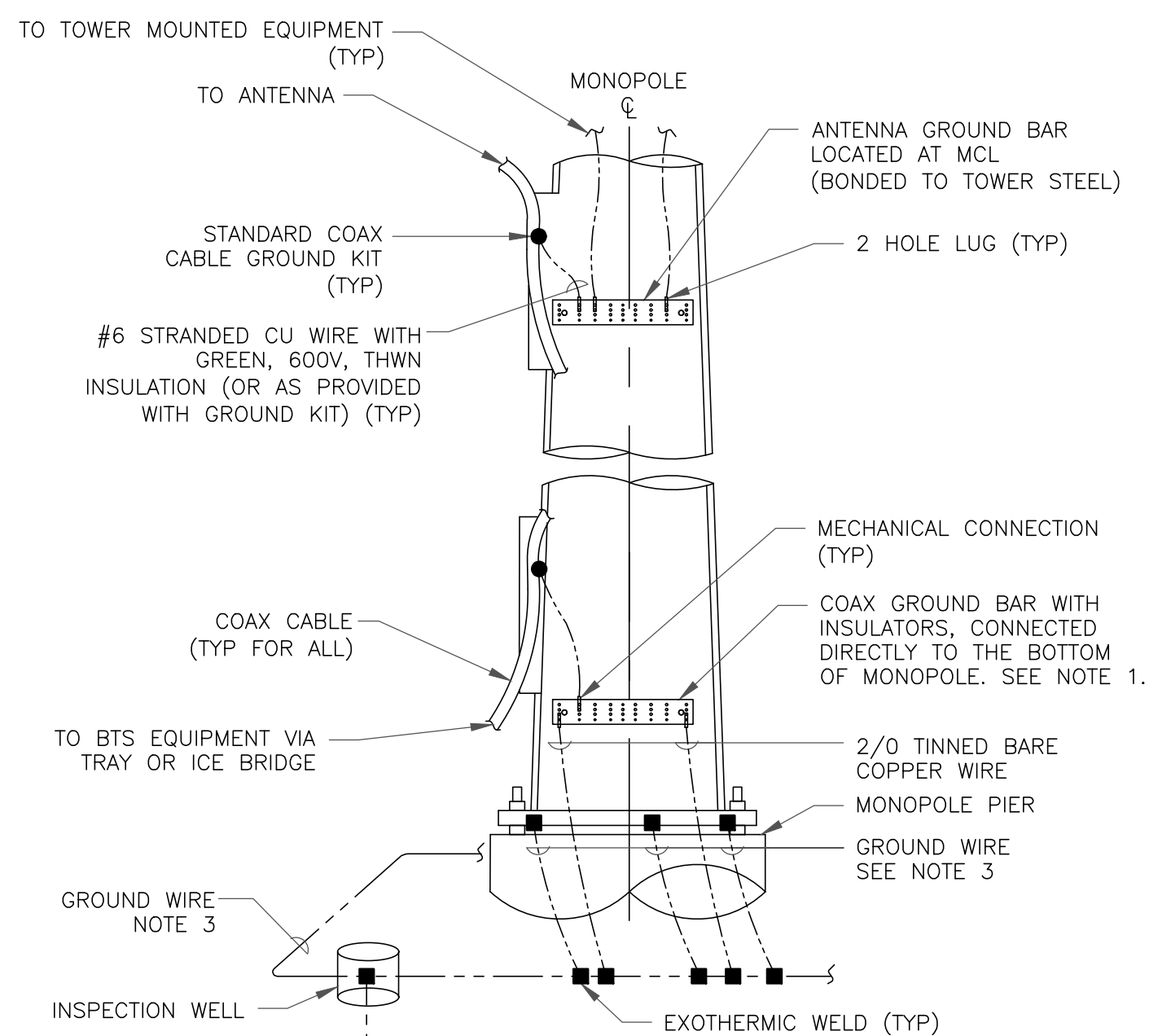
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

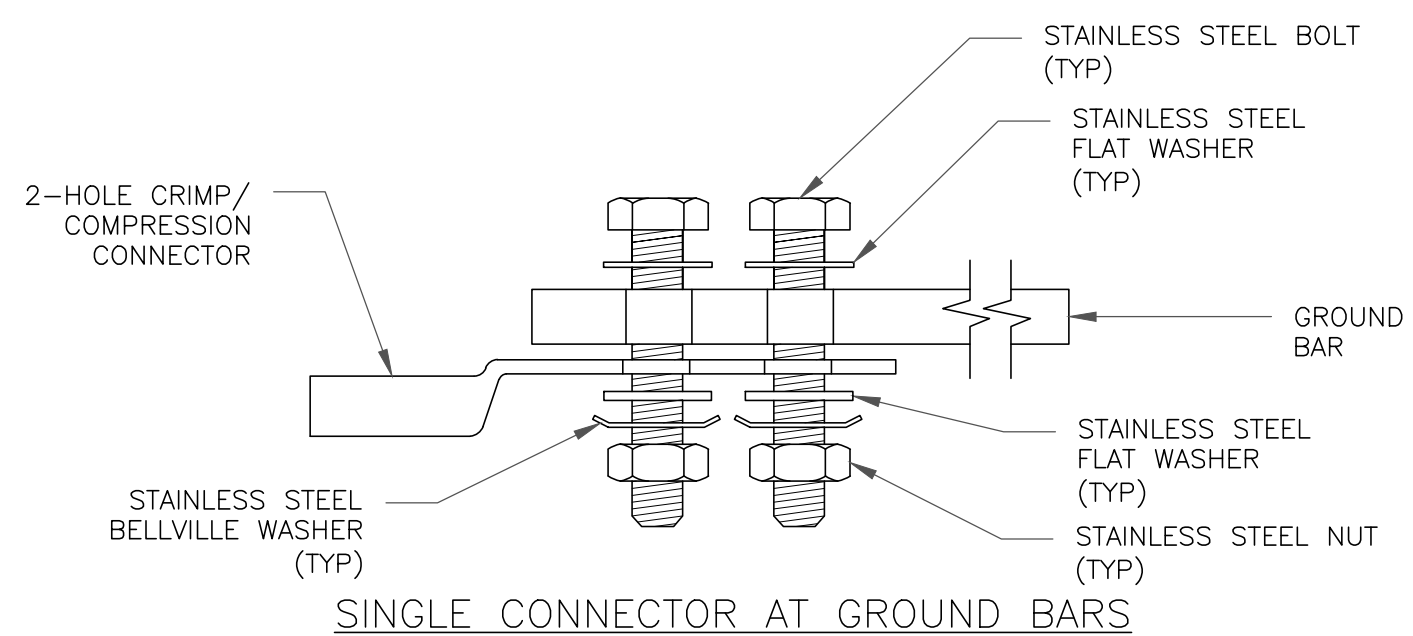
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



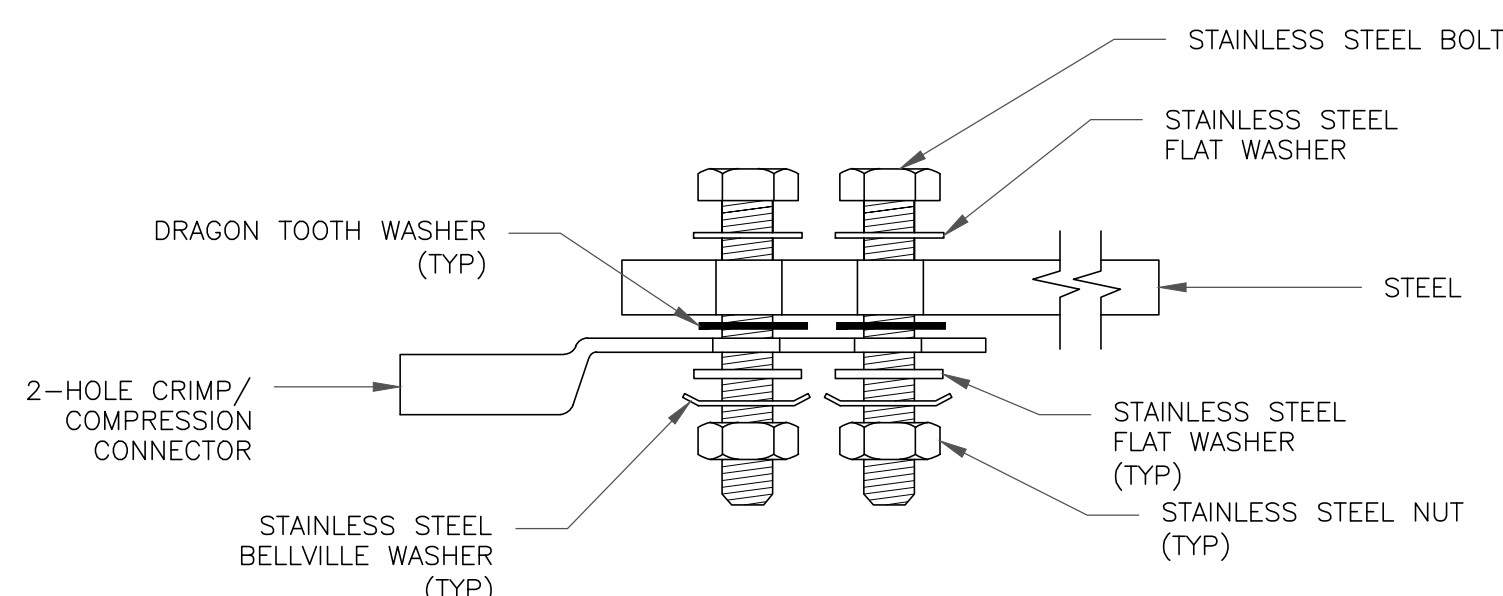
NOTES:

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

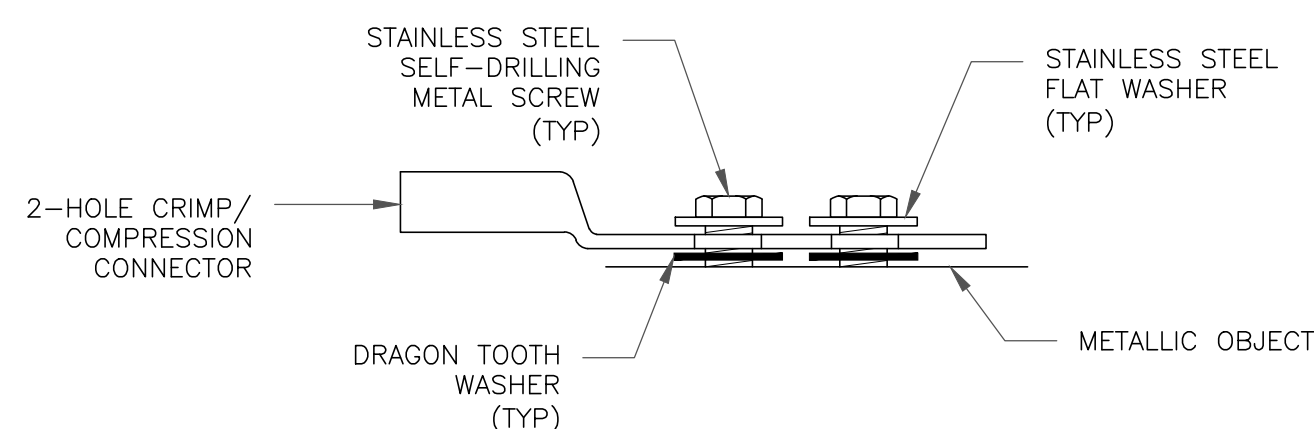
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

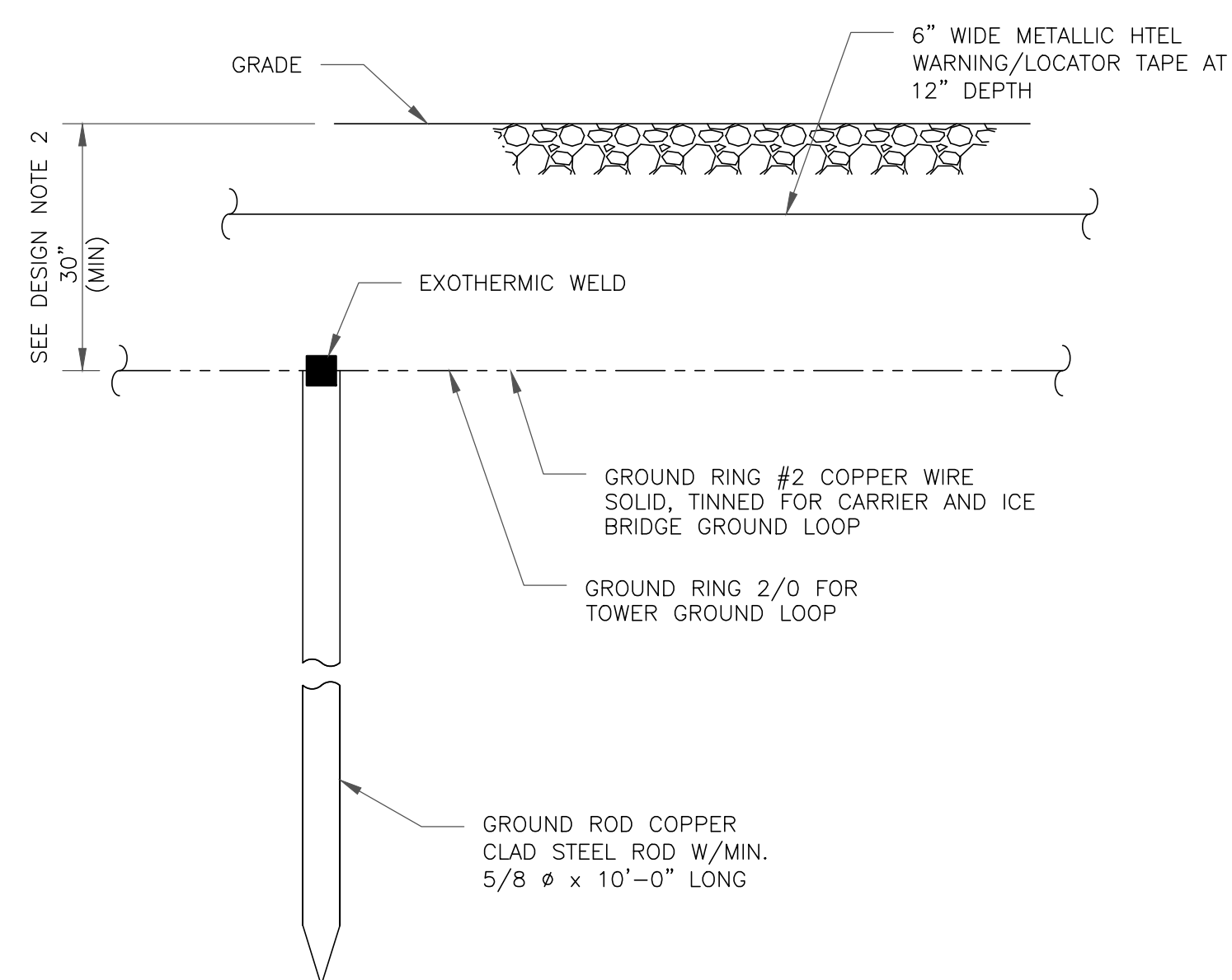


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
467612

BU #: **873633**
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

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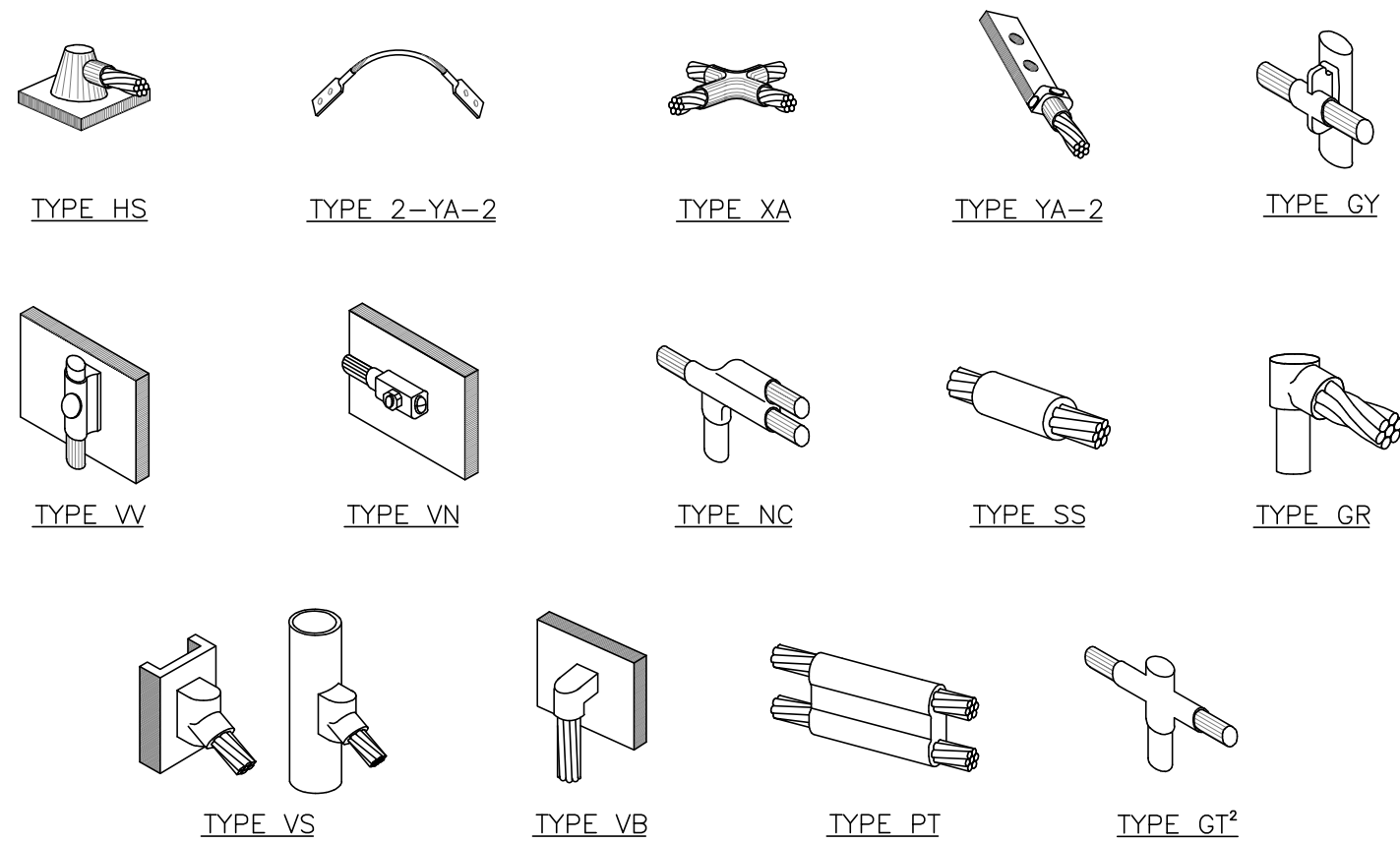
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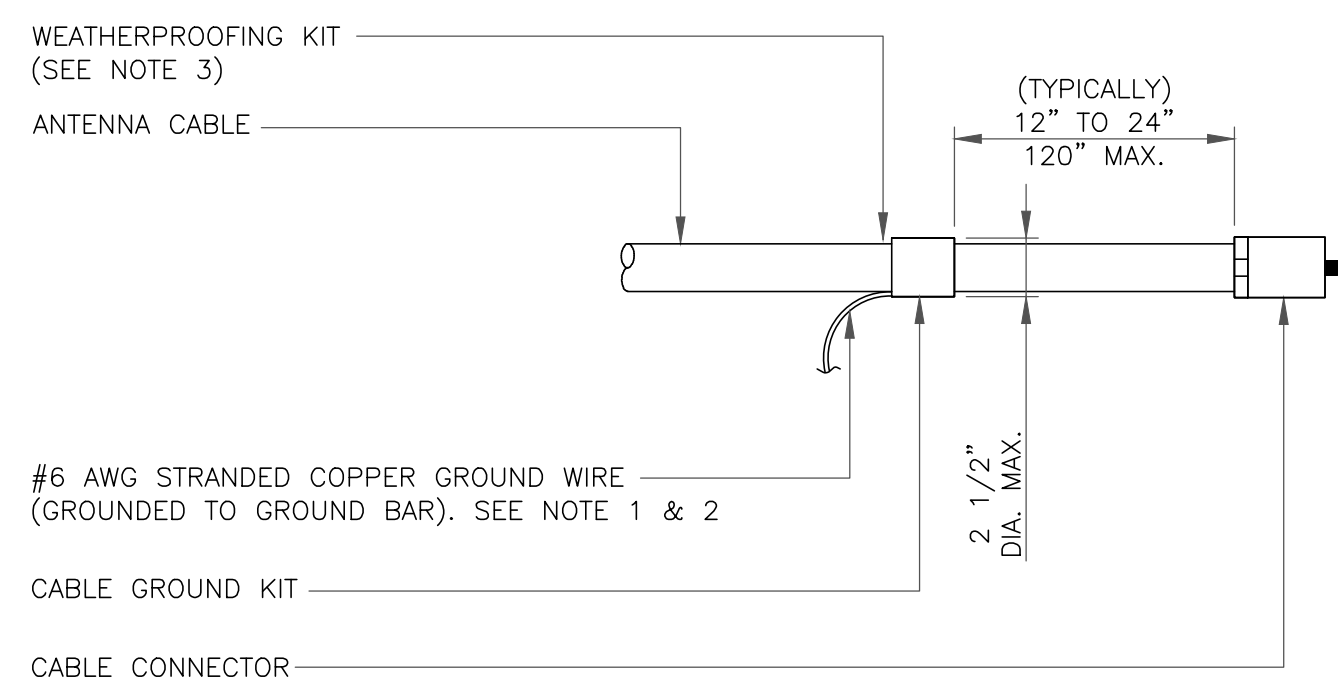
1



NOTE:

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

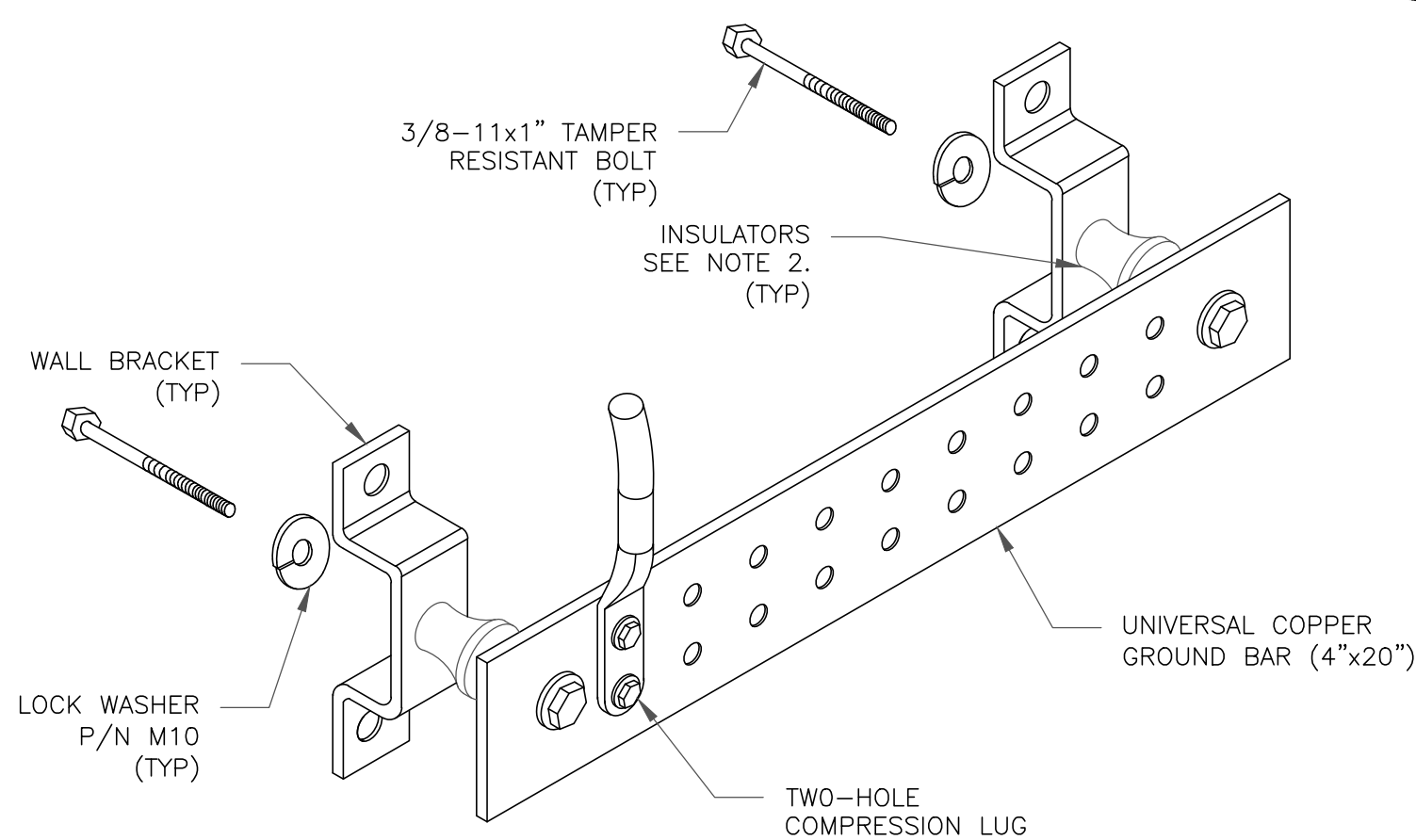
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

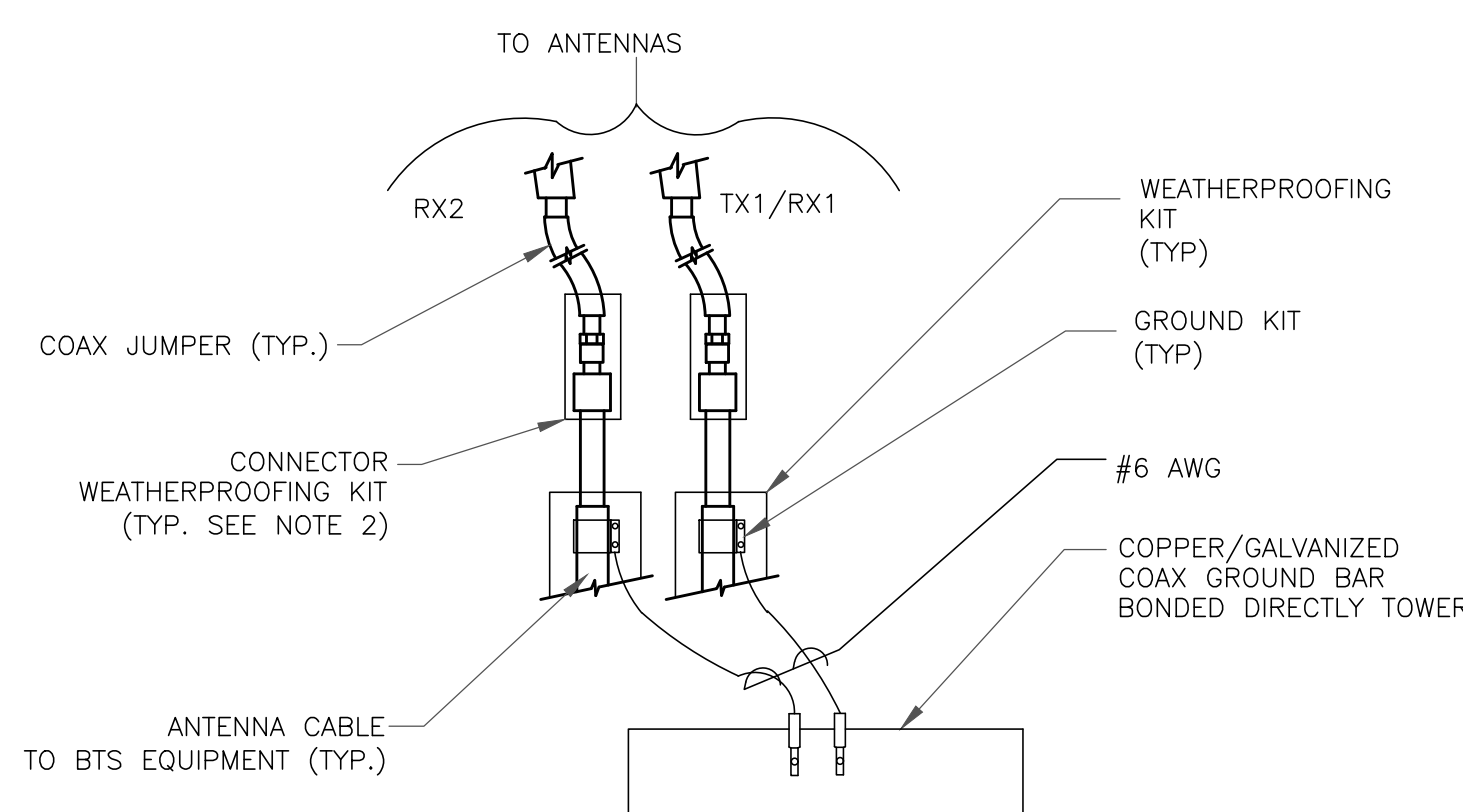
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

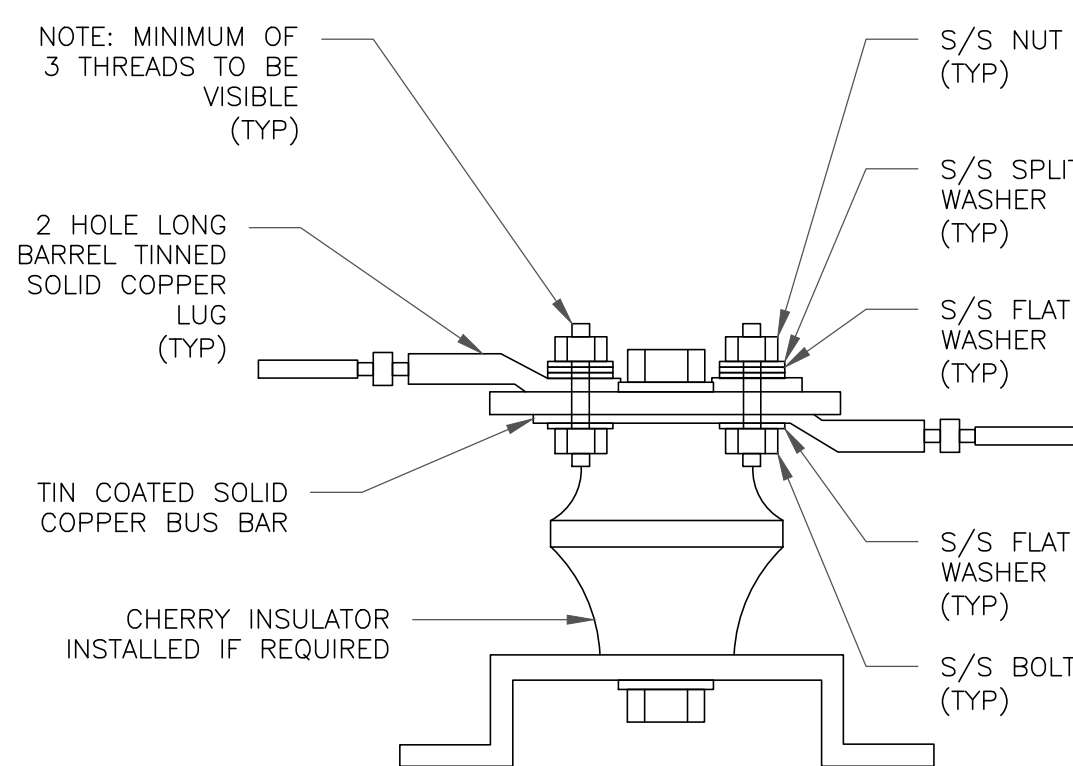
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

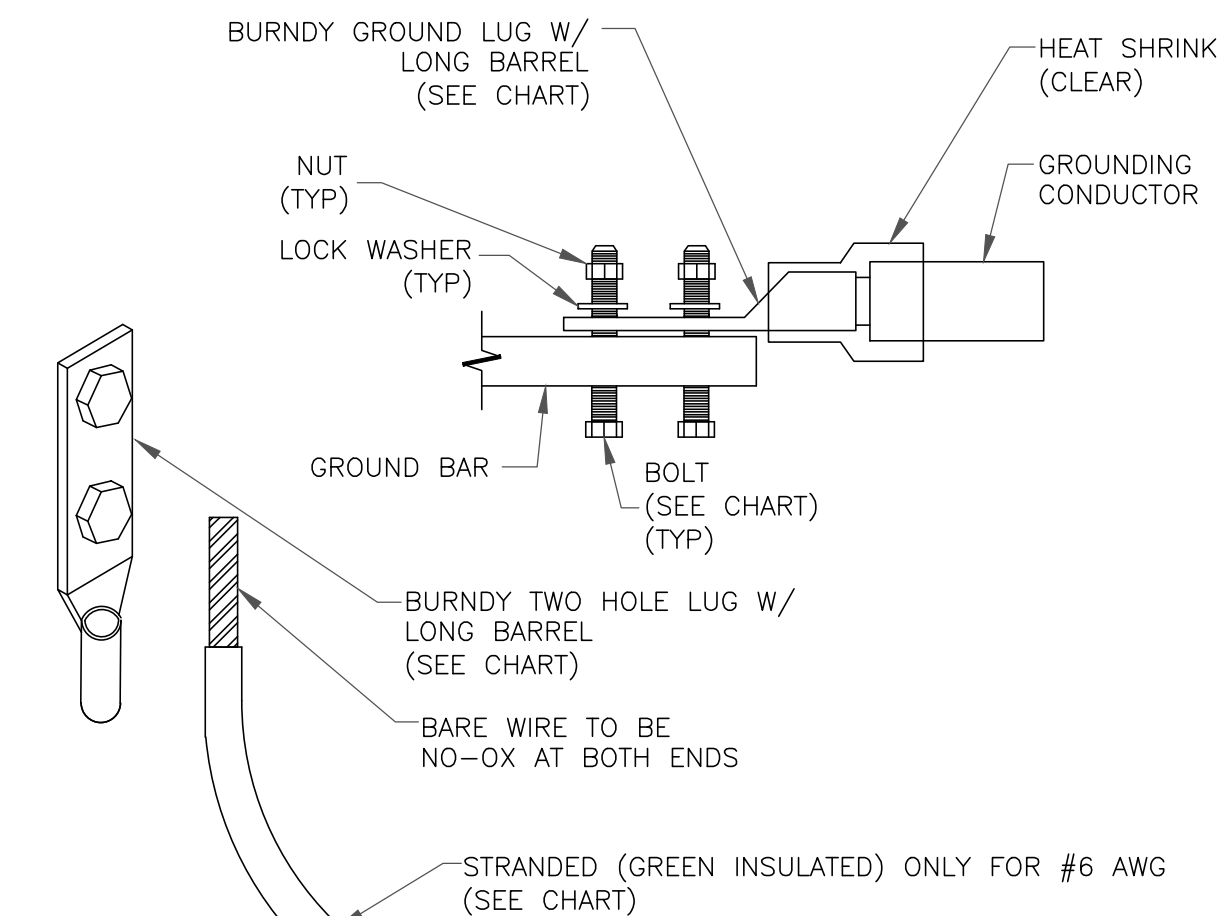
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

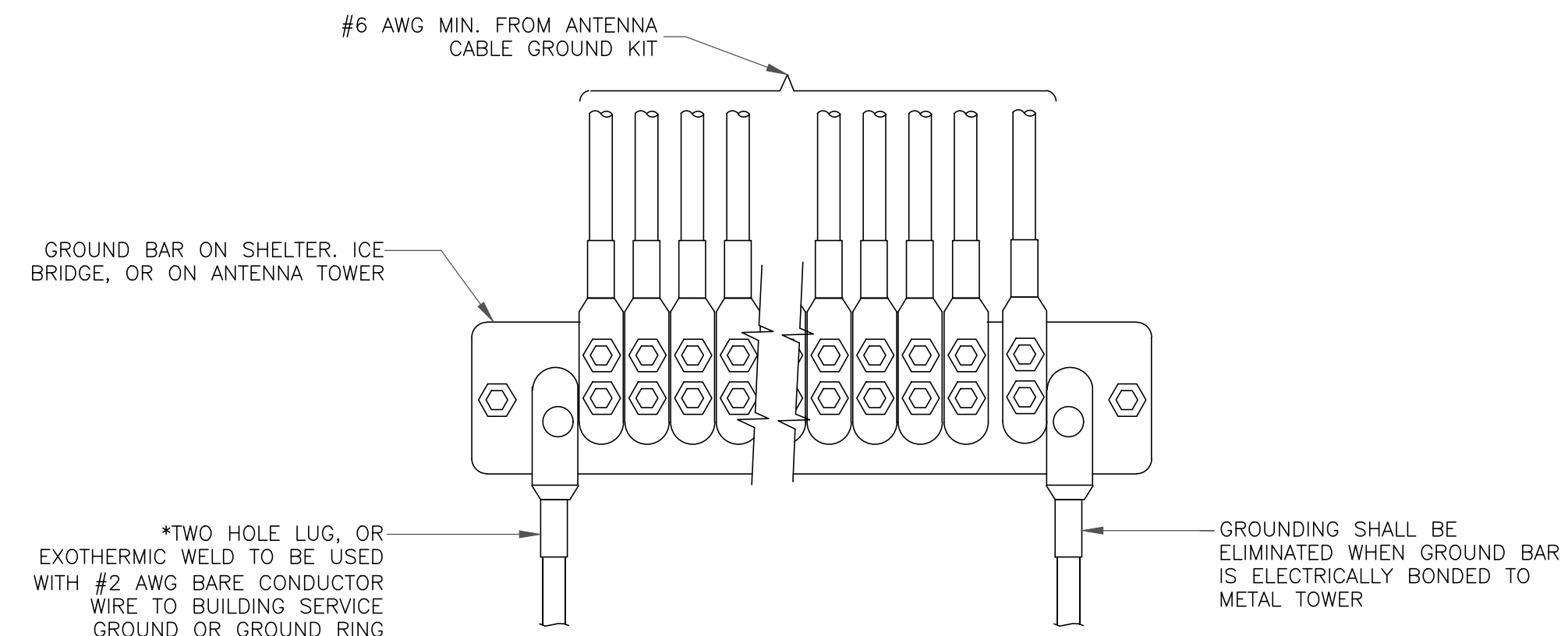
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



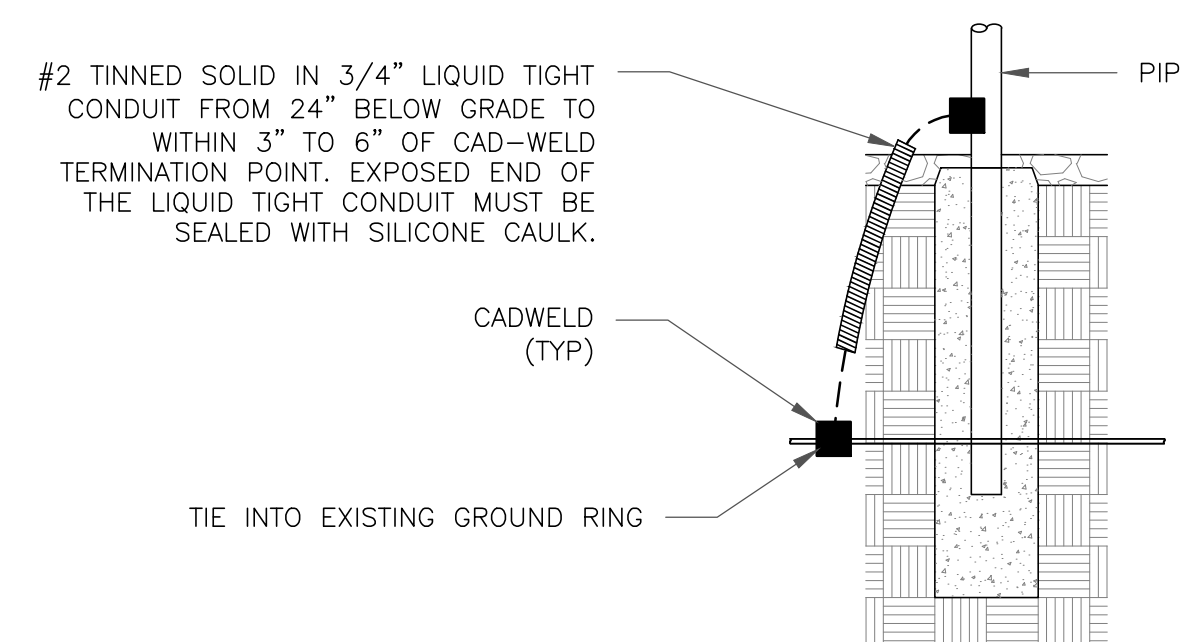
NOTES:

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

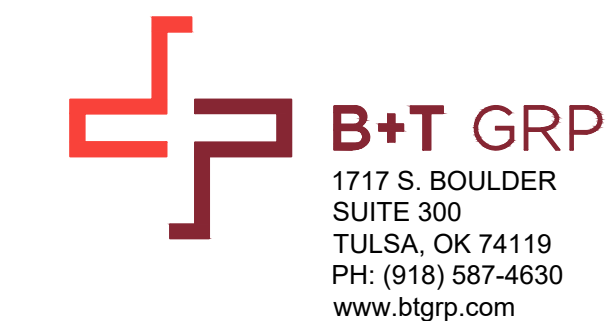
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:
467612

BU #: **873633**
MILFORD

10 BONA STREET
MILFORD, CT 06461

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	9/15/21	SIH	FOR CONSTRUCTION	SIH



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Exhibit D

Structural Analysis Report

Date: **May 7, 2021**



Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351

Subject: Structural Analysis Report

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 467612
Site Name: MILFORD 3 CT

Crown Castle Designation: **BU Number:** 873633
Site Name: Milford
JDE Job Number: 644623
Work Order Number: 1957252
Order Number: 552659 Rev. 0

Engineering Firm Designation: **TEP Project Number:** 65119.537656

Site Data: **10 Bona Street, Milford, New Haven County, CT 06461**
Latitude 41° 13' 12.27", Longitude -73° 4' 38.56"
133 Foot - Monopole Tower

Tower Engineering Professionals 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 – 63.9%

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

Structural analysis prepared by: Alix Hyppolite / CLT

Respectfully submitted by:

Aaron T. Rucker, P.E.



Electronic Copy

05/07/2021

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tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 133-ft monopole tower designed by Summit.

2) ANALYSIS CRITERIA

TIA-222 Revision: TIA-222-H
 Risk Category: II
 Wind Speed: 125 mph
 Exposure Category: C
 Topographic Factor: 1.0
 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)
114.0	114.0	1	Tower Mounts	Platform Mount [LP 303-1]		
	113.0	6	Antel	LPA-80090/4CF w/ Mount Pipe	12 1	1-5/8 1-1/4
		6	JMA Wireless	MX06FRO660-03 w/ Mount Pipe		
		3	VZW	Sub6 Antenna - VZS01 w/ Mount Pipe		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		1	Raycap	RVZDC-6627-PF-48		

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)
133.0	133.0	3	Raycap	DC6-48-60-18-8F	2	3/8
		1	Tower Mounts	Platform Mount [601-3]	4 2	3/4 7/8
129.0	133.0	3	Powerwave Technologies	7770.00	12	1-5/8
		3	CCI Antennas	OPA-65R-LCUU-H4		
		3	Andrew	SBNHH-1D65A		
		3	Kathrein	80010964		
		6	Powerwave Technologies	LGP21401		
		3	Ericsson	RRUS 32 B30		
		3	Powerwave Technologies	1001940		
		3	Ericsson	RRUS 8843 B2/B66A		
		3	Ericsson	RRUS 4449 B5/B12		
	2	Commscope	WCS-IMFQ-AMT			
	129.0	1	Site Pro 1	F3P-12-WLL		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1340372	CCISites
Tower Foundation Drawings	1340388	CCISites
Tower Manufacturer Drawings	1339622	CCISites

3.1) Analysis Method

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

3.2) Assumptions

- 1) 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. Tower Engineering Professionals 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)	ϕP_{allow} (k)	% Capacity	Pass / Fail
L1	133 - 86.5	Pole	TP33.116x24x0.25	1	-13.99	1561.31	41.6	Pass
L2	86.5 - 39.75	Pole	TP41.78x31.7828x0.2813	2	-22.97	2219.08	63.9	Pass
L3	39.75 - 0	Pole	TP49.01x40.1884x0.375	3	-36.10	3555.76	55.7	Pass
							Summary	
						Pole (L2)	63.9	Pass
						RATING =	63.9	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	40.8	Pass
1,2	Base Plate	-	47.1	Pass
1,2,3	Base Foundation Soil Interaction (Drilled Pier Foundation)	-	31.4	Pass
1,2,3	Base Foundation Structural (Drilled Pier Foundation)	-	46.3	Pass
1,2,3	Base Foundation Soil Interaction (Pad and Pier Foundation)	-	47.0	Pass
1,2,3	Base Foundation Structural (Pad and Pier Foundation)	-	29.7	Pass

Structure Rating (max from all components) =	63.9%
-----------------------------------------------------	--------------

Notes:

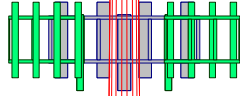
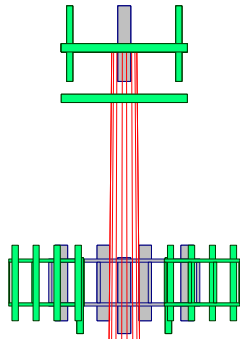
- 1) See additional documentation in "Appendix C - Additional Calculations" for calculations supporting the % capacity listed.
- 2) Rating per TIA-222-H Section 15.5
- 3) It is unknown whether the foundation is a drilled pier or pad and pier. Both designs were analyzed and determined to be sufficient.

4.1) Recommendations

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

APPENDIX A
TNXTOWER OUTPUT

133.0 ft



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 63.9%

86.5 ft

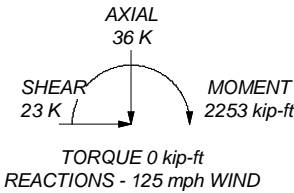
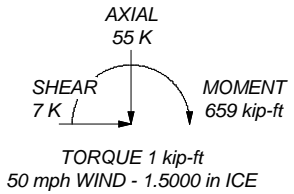
39.8 ft

0.0 ft

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	46.50	18	0.2500	4.25	24.0000	33.1160	A607-65	3.6
2	51.00	18	0.2813	5.25	31.7828	41.7800	A607-65	5.7
3	45.00	18	0.3750	40.1884	49.0100			8.1
								17.3



ALL REACTIONS ARE FACTORED



Tower Engineering Professionals

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Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: Milford (BU 873633)		
Project: TEP No. 65119.537656		
Client: Crown Castle	Drawn by: JSC	App'd:
Code: TIA-222-H	Date: 05/07/21	Scale: NTS
Path: <small>C:\Users\lccpedge\Desktop\IP\Milford\m\873633_1957252_LC5.et</small>		Dwg No. E-1

Tower Engineering Professionals

<p>tnxTower</p> <p><i>Tower Engineering Professionals</i> 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350</p>	Job Milford (BU 873633)	Page 1 of 11
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	Client Crown Castle	Designed by JSC

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

Tower is located in New Haven County, Connecticut.

Tower base elevation above sea level: 69.00 ft.

Basic wind speed of 125 mph.

Risk Category II.

Exposure Category C.

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

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.5000 in.

Ice thickness is considered to increase with height.

Ice density of 56.00 pcf.

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

Temperature drop of 50.0000 °F.

Deflections calculated using a wind speed of 60 mph.

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

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

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

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

Maximum demand-capacity ratio is: 1.05.

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

Options

<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	133.00-86.50	46.50	4.25	18	24.0000	33.1160	0.2500	1.0000	A607-65 (65 ksi)
L2	86.50-39.75	51.00	5.25	18	31.7828	41.7800	0.2813	1.1250	A607-65 (65 ksi)
L3	39.75-0.00	45.00		18	40.1884	49.0100	0.3750	1.5000	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	24.3317	18.8456	1342.9976	8.4313	12.1920	110.1540	2687.7623	9.4246	3.7840	15.136
	33.5883	26.0792	3558.9750	11.6674	16.8229	211.5550	7122.6329	13.0421	5.3884	21.554
L2	33.0757	28.1211	3525.6028	11.1831	16.1457	218.3621	7055.8446	14.0632	5.0988	18.129
	42.3811	37.0454	8060.1282	14.7321	21.2242	379.7605	16130.8621	18.5262	6.8583	24.385
L3	41.7956	47.3879	9489.9237	14.1337	20.4157	464.8347	18992.3345	23.6984	6.4132	17.102
	49.7082	57.8878	17299.0559	17.2654	24.8971	694.8227	34620.8743	28.9494	7.9658	21.242

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 Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
L1 133.00-86.50				1	1	1			
L2 86.50-39.75				1	1	1			
L3 39.75-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
**											

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _A A _A ft ² /ft	Weight plf	
Safety Line 3/8	C	No	No	CaAa (Out Of Face)	133.00 - 0.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.04 0.14 0.24 0.44	0.22 0.75 1.28 2.34

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	Client	Crown Castle	Designed by	JSC

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	CAAA	Weight
							ft ² /ft	plf
Step Pegs (5/8" SR) 7.5-in w/ 30" Step	C	No	No	CaAa (Out Of Face)	133.00 - 0.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.52 1.02 2.13 6.17
**								
LCF158-50A(1-5/8)	C	No	No	Inside Pole	129.00 - 0.00	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.80 0.80 0.80 0.80
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	133.00 - 0.00	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.58 0.58 0.58 0.58
6-8AWG 3 PAIR(7/8)	C	No	No	Inside Pole	133.00 - 0.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.68 0.68 0.68 0.68
FB-L98B-034-XXX XXX(3/8)	C	No	No	Inside Pole	133.00 - 0.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.05 0.05 0.05 0.05
2" Rigid Conduit	C	No	No	Inside Pole	133.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	2.80 2.80 2.80 2.80
**								
561(1-5/8)	C	No	No	Inside Pole	114.00 - 0.00	12	No Ice 1/2" Ice 1" Ice 2" Ice	1.35 1.35 1.35 1.35
LDF6-50A(1-1/4)	C	No	No	Inside Pole	114.00 - 0.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.60 0.60 0.60 0.60
**								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	CAAA In Face ft ²	CAAA Out Face ft ²	Weight K
L1	133.00-86.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	3.199	1.47
L2	86.50-39.75	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	3.216	1.84
L3	39.75-0.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	2.735	1.56

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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	133.00-86.50	A	1.437	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	29.918	1.70
L2	86.50-39.75	A	1.359	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	30.079	2.07
L3	39.75-0.00	A	1.213	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	24.349	1.74

Feed Line Center of Pressure

Section	Elevation ft	CP _X in	CP _Z in	CP _X Ice in	CP _Z Ice in
L1	133.00-86.50	-0.5354	0.3091	-2.2340	1.2898
L2	86.50-39.75	-0.5407	0.3122	-2.3818	1.3752
L3	39.75-0.00	-0.5440	0.3141	-2.3795	1.3738

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
Lighting Rod 3/4" x 4'	C	None		0.0000	133.00	No Ice	0.30	0.03
						1/2" Ice	0.71	0.03
						1" Ice	1.00	0.04
						2" Ice	1.52	0.06
8'x2" Antenna Mount Pipe	C	None		0.0000	133.00	No Ice	1.90	0.03
						1/2" Ice	2.73	0.04
						1" Ice	3.40	0.06
						2" Ice	4.40	0.12
** DC6-48-60-18-8F	A	From Leg	1.00 0.00 0.00	0.0000	133.00	No Ice	1.21	0.03
1/2" Ice						1.89	0.05	
1" Ice						2.11	0.08	
2" Ice						2.57	0.14	
DC6-48-60-18-8F	B	From Leg	1.00 0.00 0.00	0.0000	133.00	No Ice	1.21	0.03
						1/2" Ice	1.89	0.05
						1" Ice	2.11	0.08
						2" Ice	2.57	0.14
DC6-48-60-18-8F	C	From Leg	1.00	0.0000	133.00	No Ice	1.21	0.03

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Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	CAAA Front	CAAA Side	Weight
			Horz	Lateral	Vert						°	ft	ft^{2}	ft^{2}	K
			0.00				1/2" Ice	1.89	1.89	0.05
			0.00				1" Ice	2.11	2.11	0.08
							2" Ice	2.57	2.57	0.14
Pipe Mount [PM 601-3]	C	None			0.0000	133.00	No Ice	3.17	3.17	0.20
							1/2" Ice	3.79	3.79	0.23
							1" Ice	4.42	4.42	0.28
							2" Ice	5.76	5.76	0.40
**										
7770.00	A	From Leg	4.00		0.0000	129.00	No Ice	5.51	2.93	0.04
			0.00				1/2" Ice	5.87	3.27	0.07
			4.00				1" Ice	6.23	3.63	0.11
							2" Ice	6.99	4.35	0.20
7770.00	B	From Leg	4.00		0.0000	129.00	No Ice	5.51	2.93	0.04
			0.00				1/2" Ice	5.87	3.27	0.07
			4.00				1" Ice	6.23	3.63	0.11
							2" Ice	6.99	4.35	0.20
7770.00	C	From Leg	4.00		0.0000	129.00	No Ice	5.51	2.93	0.04
			0.00				1/2" Ice	5.87	3.27	0.07
			4.00				1" Ice	6.23	3.63	0.11
							2" Ice	6.99	4.35	0.20
OPA-65R-LCUU-H4	A	From Leg	4.00		0.0000	129.00	No Ice	6.00	3.03	0.06
			0.00				1/2" Ice	6.55	3.51	0.10
			4.00				1" Ice	7.11	4.01	0.15
							2" Ice	8.29	5.07	0.25
OPA-65R-LCUU-H4	B	From Leg	4.00		0.0000	129.00	No Ice	6.00	3.03	0.06
			0.00				1/2" Ice	6.55	3.51	0.10
			4.00				1" Ice	7.11	4.01	0.15
							2" Ice	8.29	5.07	0.25
OPA-65R-LCUU-H4	C	From Leg	4.00		0.0000	129.00	No Ice	6.00	3.03	0.06
			0.00				1/2" Ice	6.55	3.51	0.10
			4.00				1" Ice	7.11	4.01	0.15
							2" Ice	8.29	5.07	0.25
SBNHH-1D65A	A	From Leg	4.00		0.0000	129.00	No Ice	3.08	1.85	0.03
			0.00				1/2" Ice	3.40	2.14	0.07
			4.00				1" Ice	3.73	2.45	0.12
							2" Ice	4.41	3.09	0.22
SBNHH-1D65A	B	From Leg	4.00		0.0000	129.00	No Ice	3.08	1.85	0.03
			0.00				1/2" Ice	3.40	2.14	0.07
			4.00				1" Ice	3.73	2.45	0.12
							2" Ice	4.41	3.09	0.22
SBNHH-1D65A	C	From Leg	4.00		0.0000	129.00	No Ice	3.08	1.85	0.03
			0.00				1/2" Ice	3.40	2.14	0.07
			4.00				1" Ice	3.73	2.45	0.12
							2" Ice	4.41	3.09	0.22
80010964	A	From Leg	4.00		0.0000	129.00	No Ice	8.58	2.96	0.09
			0.00				1/2" Ice	9.16	3.44	0.15
			4.00				1" Ice	9.75	3.94	0.22
							2" Ice	10.99	4.98	0.37
80010964	B	From Leg	4.00		0.0000	129.00	No Ice	8.58	2.96	0.09
			0.00				1/2" Ice	9.16	3.44	0.15
			4.00				1" Ice	9.75	3.94	0.22
							2" Ice	10.99	4.98	0.37
80010964	C	From Leg	4.00		0.0000	129.00	No Ice	8.58	2.96	0.09
			0.00				1/2" Ice	9.16	3.44	0.15
			4.00				1" Ice	9.75	3.94	0.22
							2" Ice	10.99	4.98	0.37
(2) LGP21401	A	From Leg	4.00		0.0000	129.00	No Ice	1.10	0.21	0.01

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	Client	Crown Castle	Designed by	JSC

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	CAAA Front	CAAA Side	Weight
			Horz Lateral	Vert						°	ft	ft^{2}	ft^{2}	K
			0.00			1/2" Ice	1.24	0.27	0.02
			4.00			1" Ice	1.38	0.35	0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	B	From Leg	4.00	0.0000	129.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			4.00			1" Ice	1.38	0.35	0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	C	From Leg	4.00	0.0000	129.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			4.00			1" Ice	1.38	0.35	0.03
						2" Ice	1.69	0.52	0.05
RRUS 32 B30	A	From Leg	4.00	0.0000	129.00	No Ice	2.73	1.67	0.05
			0.00			1/2" Ice	2.95	1.86	0.07
			4.00			1" Ice	3.18	2.05	0.10
						2" Ice	3.66	2.46	0.16
RRUS 32 B30	B	From Leg	4.00	0.0000	129.00	No Ice	2.73	1.67	0.05
			0.00			1/2" Ice	2.95	1.86	0.07
			4.00			1" Ice	3.18	2.05	0.10
						2" Ice	3.66	2.46	0.16
RRUS 32 B30	C	From Leg	4.00	0.0000	129.00	No Ice	2.73	1.67	0.05
			0.00			1/2" Ice	2.95	1.86	0.07
			4.00			1" Ice	3.18	2.05	0.10
						2" Ice	3.66	2.46	0.16
1001940	A	From Leg	4.00	0.0000	129.00	No Ice	0.18	0.08	0.00
			0.00			1/2" Ice	0.23	0.13	0.00
			4.00			1" Ice	0.30	0.18	0.01
						2" Ice	0.44	0.30	0.01
1001940	B	From Leg	4.00	0.0000	129.00	No Ice	0.18	0.08	0.00
			0.00			1/2" Ice	0.23	0.13	0.00
			4.00			1" Ice	0.30	0.18	0.01
						2" Ice	0.44	0.30	0.01
1001940	C	From Leg	4.00	0.0000	129.00	No Ice	0.18	0.08	0.00
			0.00			1/2" Ice	0.23	0.13	0.00
			4.00			1" Ice	0.30	0.18	0.01
						2" Ice	0.44	0.30	0.01
RRUS 8843 B2/B66A	A	From Leg	4.00	0.0000	129.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			4.00			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
RRUS 8843 B2/B66A	B	From Leg	4.00	0.0000	129.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			4.00			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
RRUS 8843 B2/B66A	C	From Leg	4.00	0.0000	129.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			4.00			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
RRUS 4449 B5/B12	A	From Leg	4.00	0.0000	129.00	No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09
			4.00			1" Ice	2.33	1.73	0.11
						2" Ice	2.72	2.07	0.16
RRUS 4449 B5/B12	B	From Leg	4.00	0.0000	129.00	No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09
			4.00			1" Ice	2.33	1.73	0.11
						2" Ice	2.72	2.07	0.16
RRUS 4449 B5/B12	C	From Leg	4.00	0.0000	129.00	No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09

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	Client	Crown Castle	Designed by	JSC

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	CAAA Front	CAAA Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
			4.00			1" Ice	2.33	1.73	0.11
						2" Ice	2.72	2.07	0.16
WCS-IMFQ-AMT	A	From Leg	4.00	0.0000	129.00	No Ice	0.99	0.64	0.03
			0.00			1/2" Ice	1.11	0.75	0.04
			4.00			1" Ice	1.25	0.86	0.05
WCS-IMFQ-AMT	B	From Leg	4.00	0.0000	129.00	2" Ice	1.53	1.11	0.08
			0.00			No Ice	0.99	0.64	0.03
			4.00			1/2" Ice	1.11	0.75	0.04
			4.00			1" Ice	1.25	0.86	0.05
(5) 2.4" Dia. x 10-ft Mount Pipe	A	From Leg	4.00	0.0000	129.00	2" Ice	1.53	1.11	0.08
			0.00			No Ice	2.38	2.38	0.04
			4.00			1/2" Ice	3.40	3.40	0.05
						1" Ice	4.45	4.45	0.08
						2" Ice	5.91	5.91	0.15
(5) 2.4" Dia. x 10-ft Mount Pipe	B	From Leg	4.00	0.0000	129.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			4.00			1" Ice	4.45	4.45	0.08
						2" Ice	5.91	5.91	0.15
(5) 2.4" Dia. x 10-ft Mount Pipe	C	From Leg	4.00	0.0000	129.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			4.00			1" Ice	4.45	4.45	0.08
						2" Ice	5.91	5.91	0.15
Site Pro 1 F3P-12-WLL	C	None		0.0000	129.00	No Ice	26.20	25.00	2.79
						1/2" Ice	32.70	31.90	3.21
						1" Ice	41.30	39.20	3.79
						2" Ice	52.20	52.60	4.50
**									
****114****									
(2) LPA-80090/4CF w/ Mount Pipe	A	From Centroid-Le g	4.00	0.0000	114.00	No Ice	2.86	5.21	0.03
			0.00			1/2" Ice	3.22	5.82	0.07
			-1.00			1" Ice	3.59	6.44	0.11
						2" Ice	4.34	7.74	0.22
(2) LPA-80090/4CF w/ Mount Pipe	B	From Centroid-Le g	4.00	0.0000	114.00	No Ice	2.86	5.21	0.03
			0.00			1/2" Ice	3.22	5.82	0.07
			-1.00			1" Ice	3.59	6.44	0.11
						2" Ice	4.34	7.74	0.22
(2) LPA-80090/4CF w/ Mount Pipe	C	From Centroid-Le g	4.00	0.0000	114.00	No Ice	2.86	5.21	0.03
			0.00			1/2" Ice	3.22	5.82	0.07
			-1.00			1" Ice	3.59	6.44	0.11
						2" Ice	4.34	7.74	0.22
(2) MX06FRO660-03 w/ Mount Pipe	A	From Centroid-Le g	4.00	0.0000	114.00	No Ice	6.54	5.55	0.10
			0.00			1/2" Ice	7.06	6.05	0.18
			-1.00			1" Ice	7.60	6.57	0.28
						2" Ice	8.70	7.65	0.50
(2) MX06FRO660-03 w/ Mount Pipe	B	From Centroid-Le g	4.00	0.0000	114.00	No Ice	6.54	5.55	0.10
			0.00			1/2" Ice	7.06	6.05	0.18
			-1.00			1" Ice	7.60	6.57	0.28
						2" Ice	8.70	7.65	0.50
(2) MX06FRO660-03 w/ Mount Pipe	C	From Centroid-Le g	4.00	0.0000	114.00	No Ice	6.54	5.55	0.10
			0.00			1/2" Ice	7.06	6.05	0.18
			-1.00			1" Ice	7.60	6.57	0.28
						2" Ice	8.70	7.65	0.50
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Le g	4.00	0.0000	114.00	No Ice	4.92	2.69	0.10
			0.00			1/2" Ice	5.26	3.15	0.14
			-1.00			1" Ice	5.62	3.63	0.19
						2" Ice	6.37	4.64	0.29
Sub6 Antenna - VZS01 w/	B	From	4.00	0.0000	114.00	No Ice	4.92	2.69	0.10

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	Client	Crown Castle	Designed by	JSC

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	CAAA Front	CAAA Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
Mount Pipe		Centroid-Le g	0.00	-1.00		1/2" Ice	5.26	3.15	0.14
						1" Ice	5.62	3.63	0.19
						2" Ice	6.37	4.64	0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	4.92	2.69
							1/2" Ice	5.26	3.15
							1" Ice	5.62	3.63
							2" Ice	6.37	4.64
RFV01U-D1A	A	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	1.88	1.25
							1/2" Ice	2.05	1.39
							1" Ice	2.22	1.54
							2" Ice	2.60	1.86
RFV01U-D1A	B	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	1.88	1.25
							1/2" Ice	2.05	1.39
							1" Ice	2.22	1.54
							2" Ice	2.60	1.86
RFV01U-D1A	C	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	1.88	1.25
							1/2" Ice	2.05	1.39
							1" Ice	2.22	1.54
							2" Ice	2.60	1.86
RFV01U-D2A	A	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	1.88	1.01
							1/2" Ice	2.05	1.14
							1" Ice	2.22	1.28
							2" Ice	2.60	1.59
RFV01U-D2A	B	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	1.88	1.01
							1/2" Ice	2.05	1.14
							1" Ice	2.22	1.28
							2" Ice	2.60	1.59
RFV01U-D2A	C	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	1.88	1.01
							1/2" Ice	2.05	1.14
							1" Ice	2.22	1.28
							2" Ice	2.60	1.59
RVZDC-6627-PF-48	A	From Centroid-Le g	4.00	-1.00	0.0000	114.00	No Ice	3.79	2.51
							1/2" Ice	4.04	2.73
							1" Ice	4.30	2.95
							2" Ice	4.84	3.42
Platform Mount [LP 303-1]	A	None			0.0000	114.00	No Ice	14.69	14.69
							1/2" Ice	18.01	18.01
							1" Ice	21.34	21.34
							2" Ice	28.08	28.08

**

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

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

Maximum Tower Deflections - Service Wind

<i>Section No.</i>	<i>Elevation ft</i>	<i>Horz. Deflection in</i>	<i>Gov. Load Comb.</i>	<i>Tilt °</i>	<i>Twist °</i>
L1	133 - 86.5	15.5240	39	0.9957	0.0006
L2	90.75 - 39.75	7.3365	39	0.7880	0.0003
L3	45 - 0	1.7250	39	0.3516	0.0001

Critical Deflections and Radius of Curvature - Service Wind

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Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
133.00	Lighting Rod 3/4" x 4'	39	15.5240	0.9957	0.0006	55752
129.00	7770.00	39	14.6981	0.9812	0.0006	55752
114.00	(2) LPA-80090/4CF w/ Mount Pipe	39	11.6479	0.9220	0.0005	14671

Maximum Tower Deflections - Design Wind

Section No.	Elevation	Horz. Deflection	Gov. Load Comb.	Tilt	Twist
	ft	in		°	°
L1	133 - 86.5	71.9135	2	4.6142	0.0029
L2	90.75 - 39.75	33.9960	2	3.6534	0.0018
L3	45 - 0	7.9919	2	1.6297	0.0008

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
133.00	Lighting Rod 3/4" x 4'	2	71.9135	4.6142	0.0029	12170
129.00	7770.00	2	68.0889	4.5472	0.0028	12170
114.00	(2) LPA-80090/4CF w/ Mount Pipe	2	53.9641	4.2737	0.0022	3201

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio P _u /φP _n
	ft		ft	ft		in ²	K	K	
L1	133 - 86.5 (1)	TP33.116x24x0.25	46.50	0.00	0.0	25.4180	-13.99	1486.96	0.009
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	51.00	0.00	0.0	36.1267	-22.97	2113.41	0.011
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	45.00	0.00	0.0	57.8878	-36.10	3386.44	0.011

Pole Bending Design Data

Section No.	Elevation	Size	M _{ux}	φM _{nx}	Ratio M _{ux} /φM _{nx}	M _{uy}	φM _{ny}	Ratio M _{uy} /φM _{ny}
	ft		kip-ft	kip-ft		kip-ft	kip-ft	
L1	133 - 86.5 (1)	TP33.116x24x0.25	486	1141	0.426	0	1141	0.000
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	1292	1962	0.659	0	1962	0.000

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Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	2253	3928	0.574	0	3928	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	133 - 86.5 (1)	TP33.116x24x0.25	15.61	446.09	0.035	0	1251	0.000
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	19.56	634.02	0.031	0	2247	0.000
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	22.97	1015.93	0.023	0	4327	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	133 - 86.5 (1)	0.009	0.426	0.000	0.035	0.000	0.437	1.050	4.8.2
L2	86.5 - 39.75 (2)	0.011	0.659	0.000	0.031	0.000	0.670	1.050	4.8.2
L3	39.75 - 0 (3)	0.011	0.574	0.000	0.023	0.000	0.585	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	133 - 86.5	Pole	TP33.116x24x0.25	1	-13.99	1561.31	41.6	Pass
L2	86.5 - 39.75	Pole	TP41.78x31.7828x0.2813	2	-22.97	2219.08	63.9	Pass
L3	39.75 - 0	Pole	TP49.01x40.1884x0.375	3	-36.10	3555.76	55.7	Pass
Summary								
Pole (L2)							63.9	Pass
RATING =							63.9	Pass

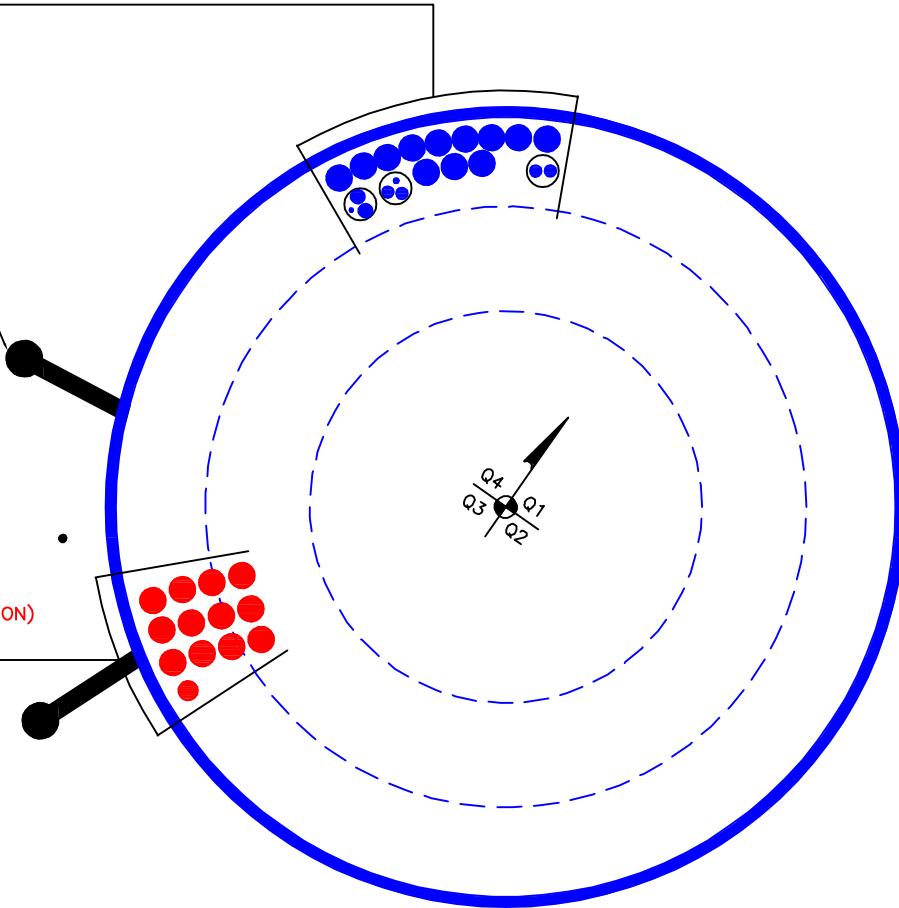
APPENDIX B
BASE LEVEL DRAWING



- (OTHER EQUIPMENT CONSIDERED)
- (2) 3/8" TO 133 FT LEVEL
 - (4) 3/4" TO 133 FT LEVEL
 - (2) 7/8" TO 133 FT LEVEL
 - (12) 1-5/8" TO 129 FT LEVEL

CLIMBING PEGS W/
SAFETY CLIMB

- (PROPOSED EQUIPMENT CONFIGURATION)
- (1) 1-1/4" TO 114 FT LEVEL
 - (12) 1-5/8" TO 114 FT LEVEL



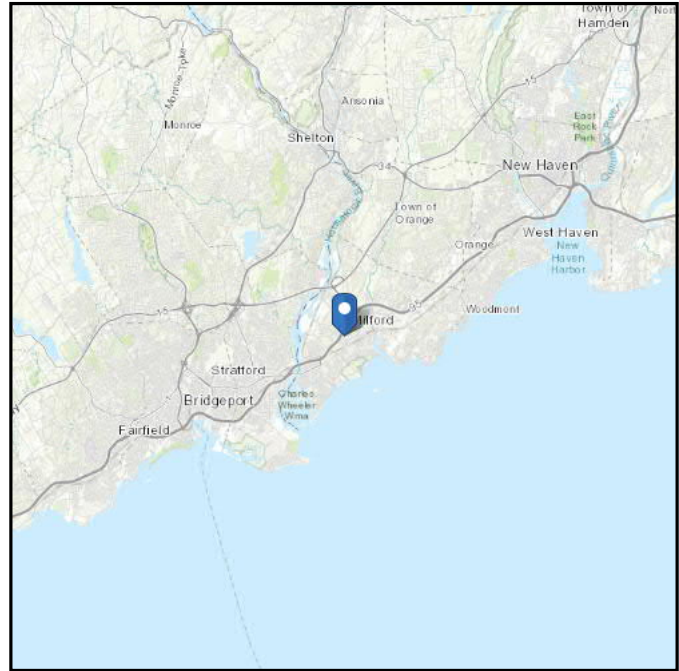
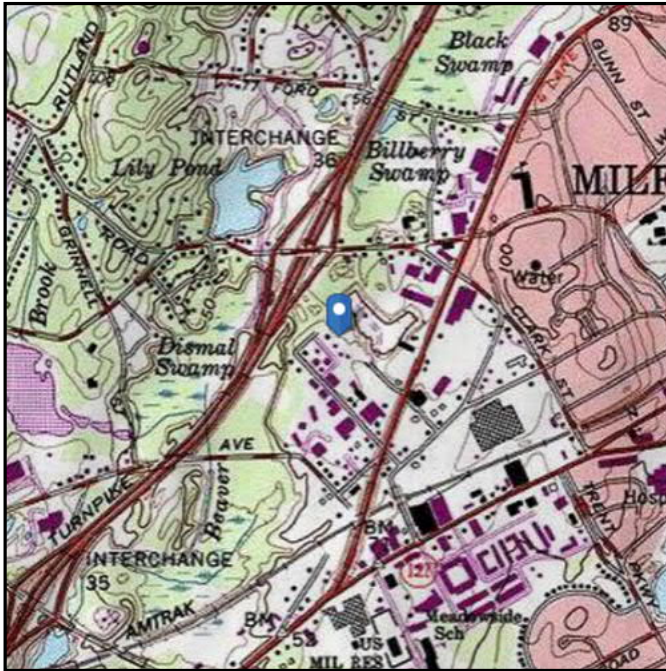
APPENDIX C
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 69.27 ft (NAVD 88)
Latitude: 41.220075
Longitude: -73.077378



Wind

Results:

Wind Speed:	124 Vmph	*125 mph per Connecticut requirements
10-year MRI	77 Vmph	
25-year MRI	87 Vmph	
50-year MRI	94 Vmph	
100-year MRI	100 Vmph	

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

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

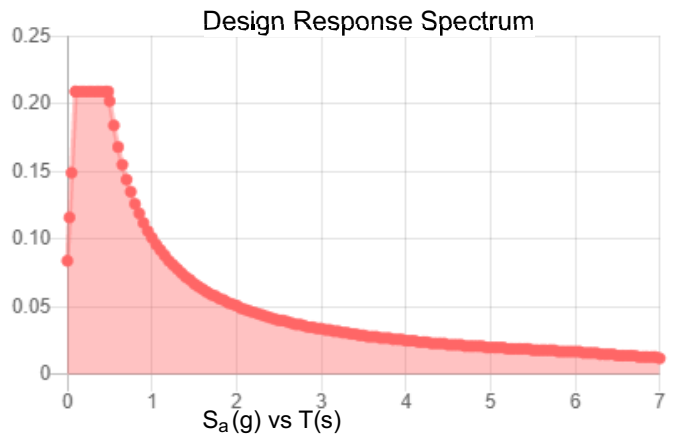
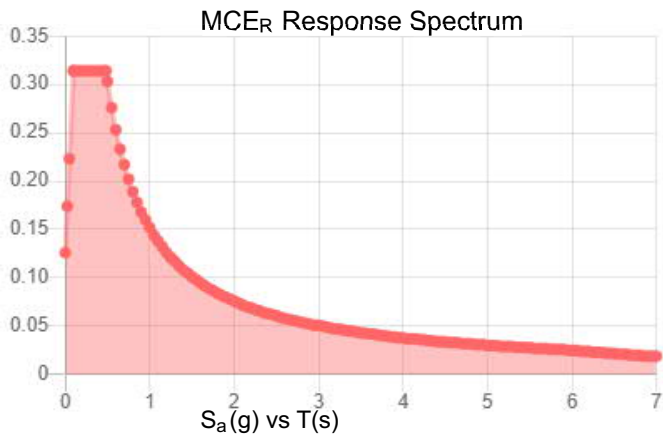
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.196	S_{DS} :	0.209
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.105
S_{MS} :	0.314	PGA _M :	0.166
S_{M1} :	0.152	F _{PGA} :	1.591
		I_e :	1

Seismic Design Category B



Data Accessed:

Tue May 04 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: Tue May 04 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.

Monopole Base Plate Connection

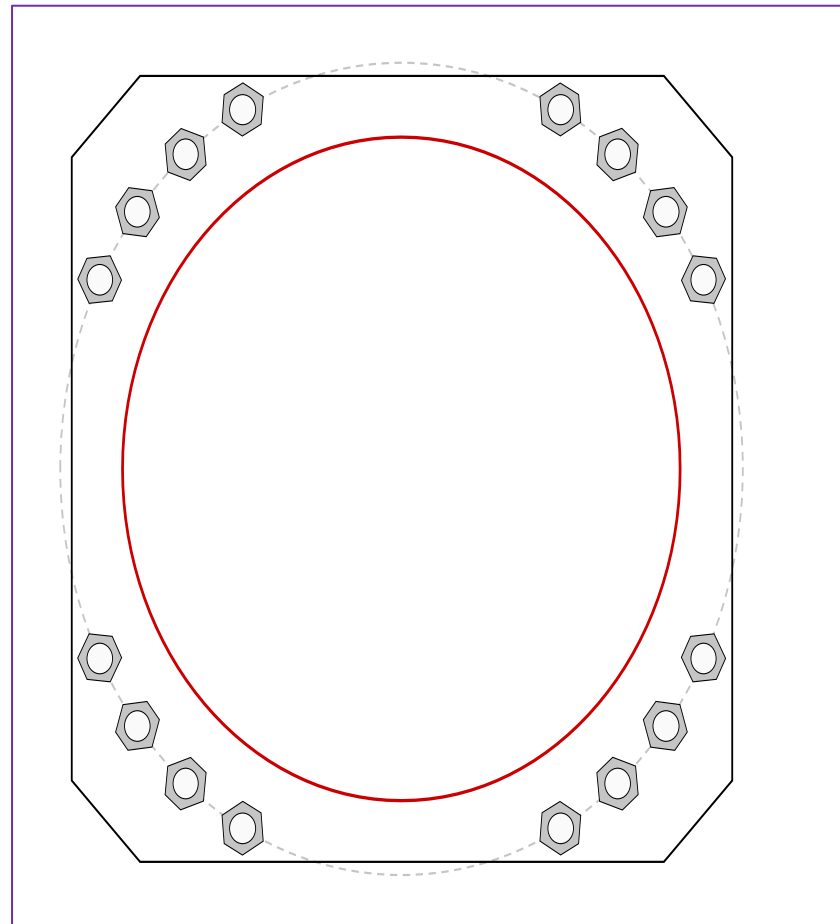


Site Info	
BU #	873633
Site Name	Milford
Order #	552659 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.25

Applied Loads	
Moment (kip-ft)	2253.00
Axial Force (kips)	36.00
Shear Force (kips)	23.00

*TIA-222-H Section 15.5 Applied



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

Anchor Rod Data
(16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 60" BC <i>Anchor Spacing: 6 in</i>
Base Plate Data
58" W x 3.25" Plate (A572-55; $F_y=55$ ksi, $F_u=70$ ksi); Clip: 6 in
Stiffener Data
N/A
Pole Data
49.01" x 0.375" 18-sided pole (A607-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary		<i>(units of kips, kip-in)</i>
$P_{u_c} = 114.84$	$\phi P_{n_c} = 268.39$	Stress Rating
$V_u = 1.44$	$\phi V_n = 120.77$	40.8%
$M_u = n/a$	$\phi M_n = n/a$	Pass
Base Plate Summary		
Max Stress (ksi):	24.47	(Flexural)
Allowable Stress (ksi):	49.5	
Stress Rating:	47.1%	Pass

Drilled Pier Foundation



BU #:	873633
Site Name:	Milford
Order Number:	552659 Rev. 0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	2253	
Axial Force (kips)	36	
Shear Force (kips)	23	

Material Properties		
Concrete Strength, f _c :	3	ksi
Rebar Strength, F _y :	60	ksi
Tie Yield Strength, F _{yt} :	40	ksi

Pier Design Data		
Depth	25	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
<i>From 0.5' above grade to 25' below grade</i>		
Pier Diameter	7	ft
Rebar Quantity	24	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	18	in

[Rebar & Pier Options](#)

[Embedded Pole Inputs](#)

[Belled Pier Inputs](#)

Analysis Results

Soil Lateral Check	Compression	Uplift
D _{v=0} (ft from TOC)	6.57	-
Soil Safety Factor	4.04	-
Max Moment (kip-ft)	2377.38	-
Rating*	31.4%	-

Soil Vertical Check	Compression	Uplift
Skin Friction (kips)	600.55	-
End Bearing (kips)	375.22	-
Weight of Concrete (kips)	176.64	-
Total Capacity (kips)	975.77	-
Axial (kips)	212.64	-
Rating*	20.8%	-

Reinforced Concrete Flexure	Compression	Uplift
Critical Depth (ft from TOC)	6.64	-
Critical Moment (kip-ft)	2377.35	-
Critical Moment Capacity	5808.15	-
Rating*	39.0%	-

Reinforced Concrete Shear	Compression	Uplift
Critical Depth (ft from TOC)	18.69	-
Critical Shear (kip)	274.69	-
Critical Shear Capacity	565.35	-
Rating*	46.3%	-

Soil Interaction Rating*	31.4%
Structural Foundation Rating*	46.3%

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
N/A	<input type="checkbox"/>
Shear Design Options	
Check Shear along Depth of Pier:	<input checked="" type="checkbox"/>
Utilize Shear-Friction Methodology:	<input type="checkbox"/>
Override Critical Depth:	<input type="checkbox"/>

[Go to Soil Calculations](#)

Soil Profile

Groundwater Depth	N/A	# of Layers	2
-------------------	-----	-------------	---

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	120	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	25	21.5	120	150	0	30	1.694	1.694			10	19	Cohesionless

Pier and Pad Foundation



BU #:	873633
Site Name:	Milford
App. Number:	552659 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	<input type="checkbox"/>
Block Foundation?:	<input type="checkbox"/>
Rectangular Pad?:	<input type="checkbox"/>

Superstructure Analysis Reactions		
Compression, P_{comp} :	36	kips
Base Shear, Vu_{comp} :	23	kips
Moment, M_u :	2253	ft-kips
Tower Height, H :	133	ft
BP Dist. Above Fdn, bp_{dist} :	3.5	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
<i>Lateral (Sliding) (kips)</i>	245.99	23.00	8.9%	Pass
<i>Bearing Pressure (ksf)</i>	7.50	1.90	24.1%	Pass
<i>Overturning (kip*ft)</i>	5176.58	2432.21	47.0%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	7558.32	2356.50	29.7%	Pass
<i>Pier Compression (kip)</i>	23390.64	75.69	0.3%	Pass
<i>Pad Flexure (kip*ft)</i>	4940.35	775.55	15.0%	Pass
<i>Pad Shear - 1-way (kips)</i>	715.56	128.14	17.1%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.164	0.025	14.4%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	6626.53	1413.90	20.3%	Pass

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	7	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	11	
Pier Rebar Quantity, mc :	32	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	12	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

*Rating per TIA-222-H Section 15.5

Soil Rating*:	47.0%
Structural Rating*:	29.7%

Pad Properties		
Depth, D :	7	ft
Pad Width, W_1 :	23.5	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	24	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, Fy :	60	ksi
Concrete Compressive Strength, $F'c$:	3	ksi
Dry Concrete Density, δc :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	100	pcf
Ultimate Gross Bearing, Q_{ult} :	10.000	ksf
Cohesion, Cu :	0.000	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :	19	
Base Friction, μ :	0.45	
Neglected Depth, N :	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

<--Toggle between Gross and Net

Exhibit E

Mount Analysis



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

Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10061730
Maser Consulting Project #: 21777052A

May 4, 2021

Site Information

Site ID: 467612-VZW / MILFORD 3 CT
Site Name: Milford 3 CT
Carrier Name: Verizon Wireless
Address: 10 Bona St.
Milford, Connecticut 06461
New Haven County
Latitude: 41.220083°
Longitude: -73.077389°

Structure Information

Tower Type: Monopole
Mount Type: 12.58-Ft Platform Mount

FUZE ID # 16231891

Analysis Results

Platform Mount: 57.1% 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: Frank Centone

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 674969, dated January 12, 2021
Mount Mapping Report	Level-Up Towers, Site ID: 873633, dated February 17, 2021
Mount Analysis Report	Maser Consulting Project CT #: 21777052A, Dated April 2, 2021
Mount Modification Drawings	Maser Consulting Project CT #: 21777052A, Dated May 4, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.997
Seismic Parameters:	S_s : 0.203 S_1 : 0.053
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
112.50	113.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		6	Antel	LPA80090/4CF	Retained
		1	Raycap	RRFDC-3315-PF-48*	

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

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).

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting 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 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 CT, 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 is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	11.7 %	Pass
Standoff Horizontal	38.6 %	Pass
Platform Crossmember	22.2 %	Pass
P2.5 Mount Pipe	17.6 %	Pass
Mount Pipe	30.8 %	Pass
Corner Plate	26.2 %	Pass
Grating Support	17.9 %	Pass
Cross Arm Plate	53.5 %	Pass
Support Rail	12.8 %	Pass
Support Rail Corner	21.5 %	Pass
Connection Check	57.1 %	Pass

Structure Rating – (Controlling Utilization of all Components)	57.1%
-----------------------------------------------------------------------	--------------

Recommendation:


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

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

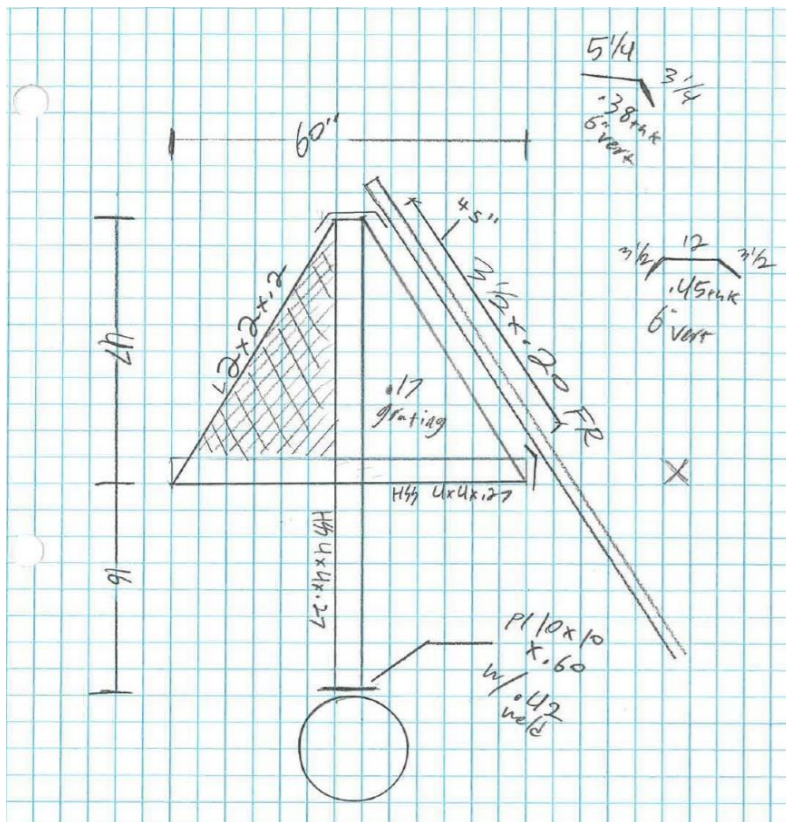
Attachments:

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



	Antenna Mount Mapping Form (PATENT PENDING)			FCC #
	Tower Owner:	CROWN CASTLE	Mapping Date:	2.17.21
	Site Name:	MILFORD 3	Tower Type:	Monopole
	Site Number or ID:	873633	Tower Height (Ft.):	
Mapping Contractor:	LEVEL-UP TOWERS	Mount Elevation (Ft.):	119	

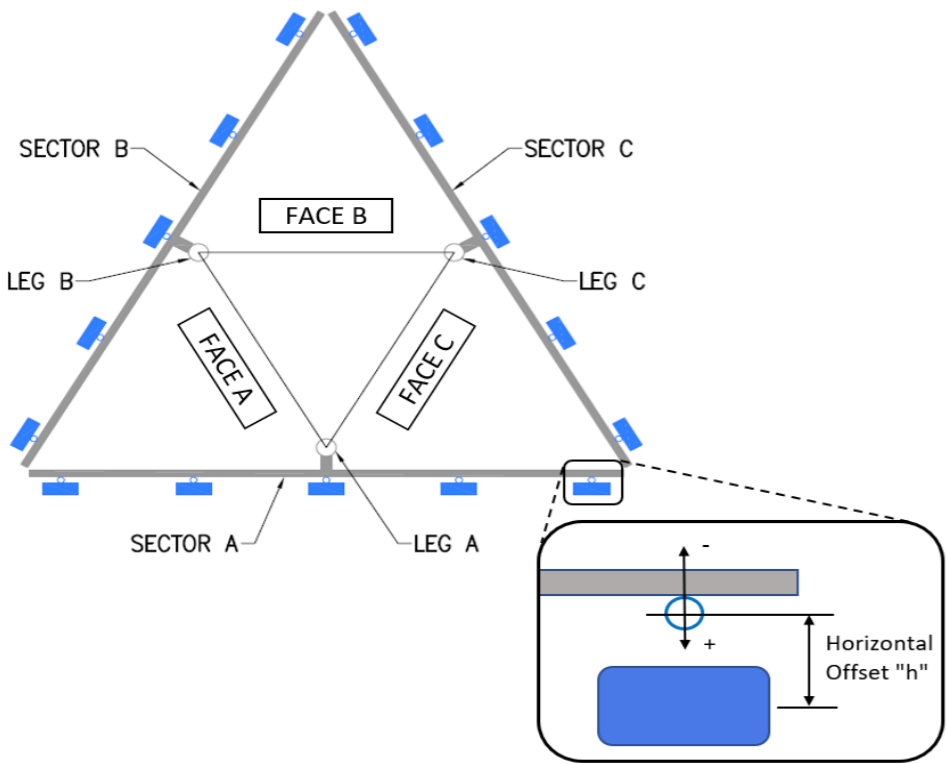
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited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



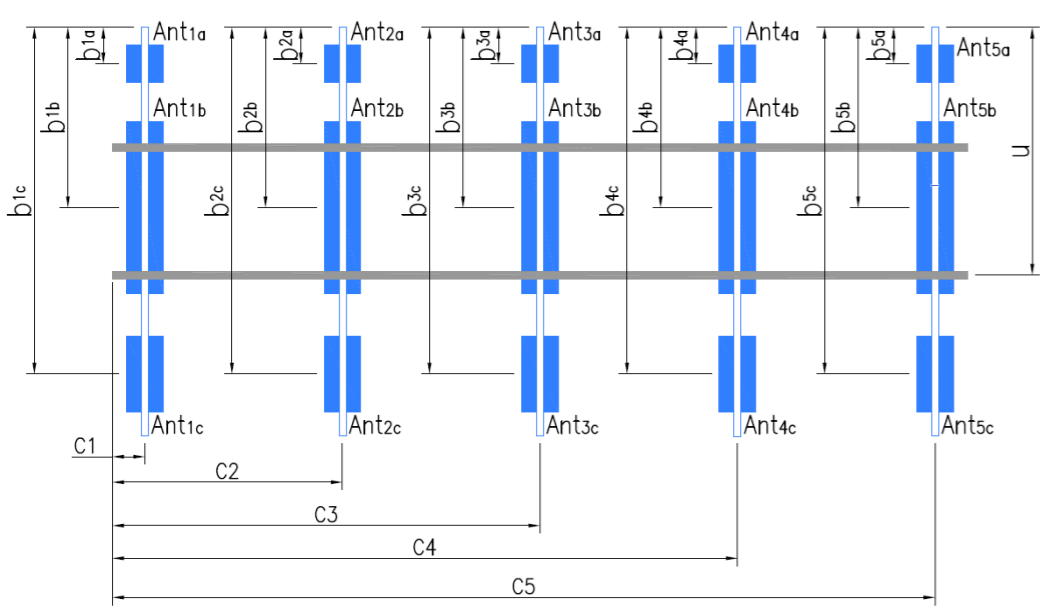
Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	72x2.38x.18	44.50	4.50	C1	72x2.38x.18	44.50	4.50
A2	72x2.38x.18	44.50	47.50	C2	72x2.38x.18	44.50	47.50
A3	72x2.38x.18	44.50	85.00	C3	72x2.38x.18	44.50	85.00
A4	72x2.38x.18	44.50	122.50	C4	72x2.38x.18	44.50	122.50
A5	72x2.38x.18	44.50	147.00	C5	72x2.38x.18	44.50	147.00
A6				C6			
B1	72x2.38x.18	44.50	4.50	D1			
B2	72x2.38x.18	44.50	47.50	D2			
B3	72x2.38x.18	44.50	85.00	D3			
B4	72x2.38x.18	44.50	122.50	D4			
B5	72x2.38x.18	44.50	147.00	D5			
B6				D6			

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

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	28.66
----------------------------------------	--	-------------------------------------------------------------	-------

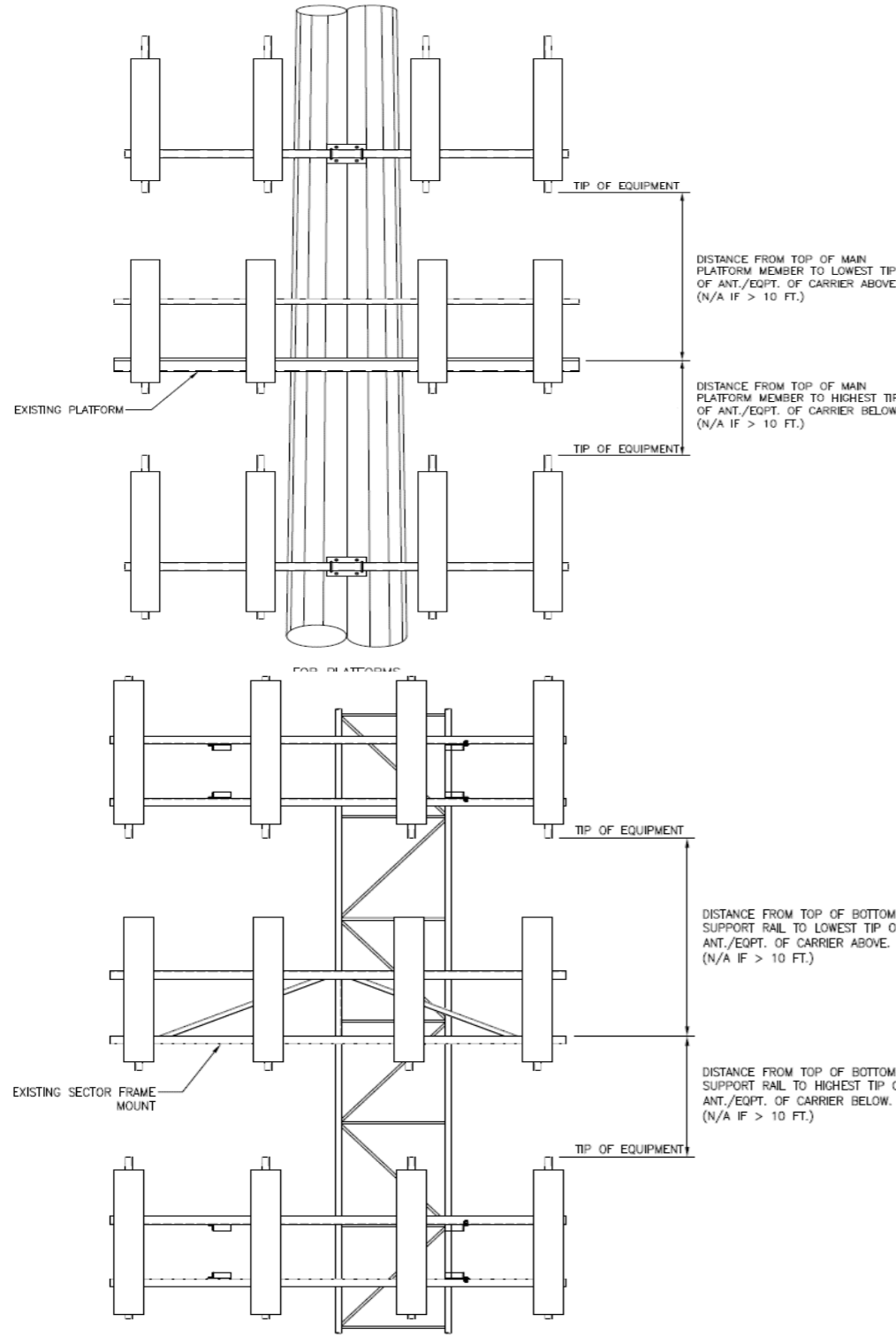


Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas	
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)		Photo Numbers
Sector A											
Ant _{1a}	LPA 800/90 4 CF E DIN	6.00	10.00	48.00	(1) 1 5/8	120.208	30.00	12.00	25.00	221	
Ant _{1b}											
Ant _{1c}											
Ant _{2a}											
Ant _{2b}	SWCP 2X5514	14.00	12.00	52.00	(1) 1 5/8	120.708	24.00	14.00	25.00	223	
Ant _{2c}	DIPLEXER	6.00	1.50	8.00	(2) 1 5/8	120.875	22.00	-4.00		223	
Ant _{3a}	RRH 2X40-AWS	12.00	9.00	25.00	FIBER	121.208	18.00	-6.00		228	
Ant _{3b}	BXA-171063-8BF-EDIN	6.00	4.00	48.00	(2) 1/2	119.958	33.00	8.00	25.00	228	
Ant _{3c}											
Ant _{4a}	DIPLEXER	6.00	1.50	8.00	(2) 1 5/8	120.875	22.00	-4.00		233	
Ant _{4b}	BXA-171063-8BF-EDIN	6.00	4.00	48.00	(2) 1/2	119.958	33.00	8.00	25.00	233	
Ant _{4c}											
Ant _{5a}	LPA 800/90 4 CF E DIN	6.00	10.00	48.00	(1) 1 5/8	120.208	30.00	12.00	25.00	237	
Ant _{5b}											
Ant _{5c}											
Ant on Standoff											
Ant on Standoff											
Ant on Tower											
Ant on Tower											



Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector		Sector B										
Sector A:	25.00	Deg	Leg A:		Deg	Ant _{1a}	LPA 800/90 4 CF E DIN	6.00	10.00	48.00	(1) 1 5/8	120.208	30.00	12.00	145.00	242
Sector B:	145.00	Deg	Leg B:		Deg	Ant _{1b}										
Sector C:	265.00	Deg	Leg C:		Deg	Ant _{1c}										
Sector D:		Deg	Leg D:		Deg	Ant _{2a}										
Climbing Facility Information						Ant _{2b}	SWCP 2X5514	14.00	12.00	52.00	(1) 1 5/8	120.708	24.00	14.00	145.00	244
Location:	Face	Deg	Sector A			Ant _{2c}	DIPLEXER	6.00	1.50	8.00	(2) 1 5/8	120.875	22.00	-4.00		244
Climbing Facility	Corrosion Type:	Good condition.				Ant _{3a}	RRH 2X40-AWS	12.00	9.00	25.00	FIBER	121.208	18.00	-6.00		247
	Access:	Climbing path was unobstructed.				Ant _{3b}	BXA-171063-8BF-EDIN	6.00	4.00	48.00	(2) 1/2	119.958	33.00	8.00	145.00	247
	Condition:	Missing safety cable.				Ant _{3c}										
						Ant _{4a}	DIPLEXER	6.00	1.50	8.00	(2) 1 5/8	120.875	22.00	-4.00		262
						Ant _{4b}	BXA-171063-8BF-EDIN	6.00	4.00	48.00	(2) 1/2	119.958	33.00	8.00	145.00	259
						Ant _{4c}										
						Ant _{5a}	LPA 800/90 4 CF E DIN	6.00	10.00	48.00	(1) 1 5/8	120.208	30.00	12.00	145.00	263
						Ant _{5b}										
						Ant _{5c}										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										



Sector C												
Ant _{1a}	LPA 800/90 4 CF E DIN	6.00	10.00	48.00	(1) 1 5/8	120.208	30.00	12.00	265.00	200		
Ant _{1b}												
Ant _{1c}												
Ant _{2a}												
Ant _{2b}	SWCP 2X5514	14.00	12.00	52.00	(1) 1 5/8	120.708	24.00	14.00	265.00	198		
Ant _{2c}	DIPLEXER	6.00	1.50	8.00	(2) 1 5/8	120.875	22.00	-4.00		198		
Ant _{3a}	RRH 2X40-AWS	12.00	9.00	25.00	FIBER	121.208	18.00	-6.00		209		
Ant _{3b}	BXA-171063-8BF-EDIN	6.00	4.00	48.00	(2) 1/2	119.958	33.00	8.00	265.00	22		
Ant _{3c}												
Ant _{4a}	DIPLEXER	6.00	1.50	8.00	(2) 1 5/8	120.875	22.00	-4.00		211		
Ant _{4b}	BXA-171063-8BF-EDIN	6.00	4.00	48.00	(2) 1/2	119.958	33.00	8.00	265.00	211		
Ant _{4c}												
Ant _{5a}	LPA 800/90 4 CF E DIN	6.00	10.00	48.00	(1) 1 5/8	120.208	30.00	12.00	265.00	215		
Ant _{5b}												
Ant _{5c}												
Ant on Standoff												
Ant on Standoff												
Ant on Tower												
Ant on Tower												
Sector D												
Ant _{1a}												
Ant _{1b}												
Ant _{1c}												
Ant _{2a}												
Ant _{2b}												
Ant _{2c}												
Ant _{3a}												
Ant _{3b}												
Ant _{3c}												
Ant _{4a}												
Ant _{4b}												
Ant _{4c}												
Ant _{5a}												
Ant _{5b}												
Ant _{5c}												
Ant on Standoff												
Ant on Standoff												
Ant on Tower												
Ant on Tower												

Observed Safety and Structural Issues During the Mount Mapping

Issue #	Description of Issue	Photo #
---------	----------------------	---------

1	A3 Antenna cover broken and cracking at top	230
2		
3		
4		
5		
6		
7		
8		

Mapping Notes

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

Standard Conditions

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



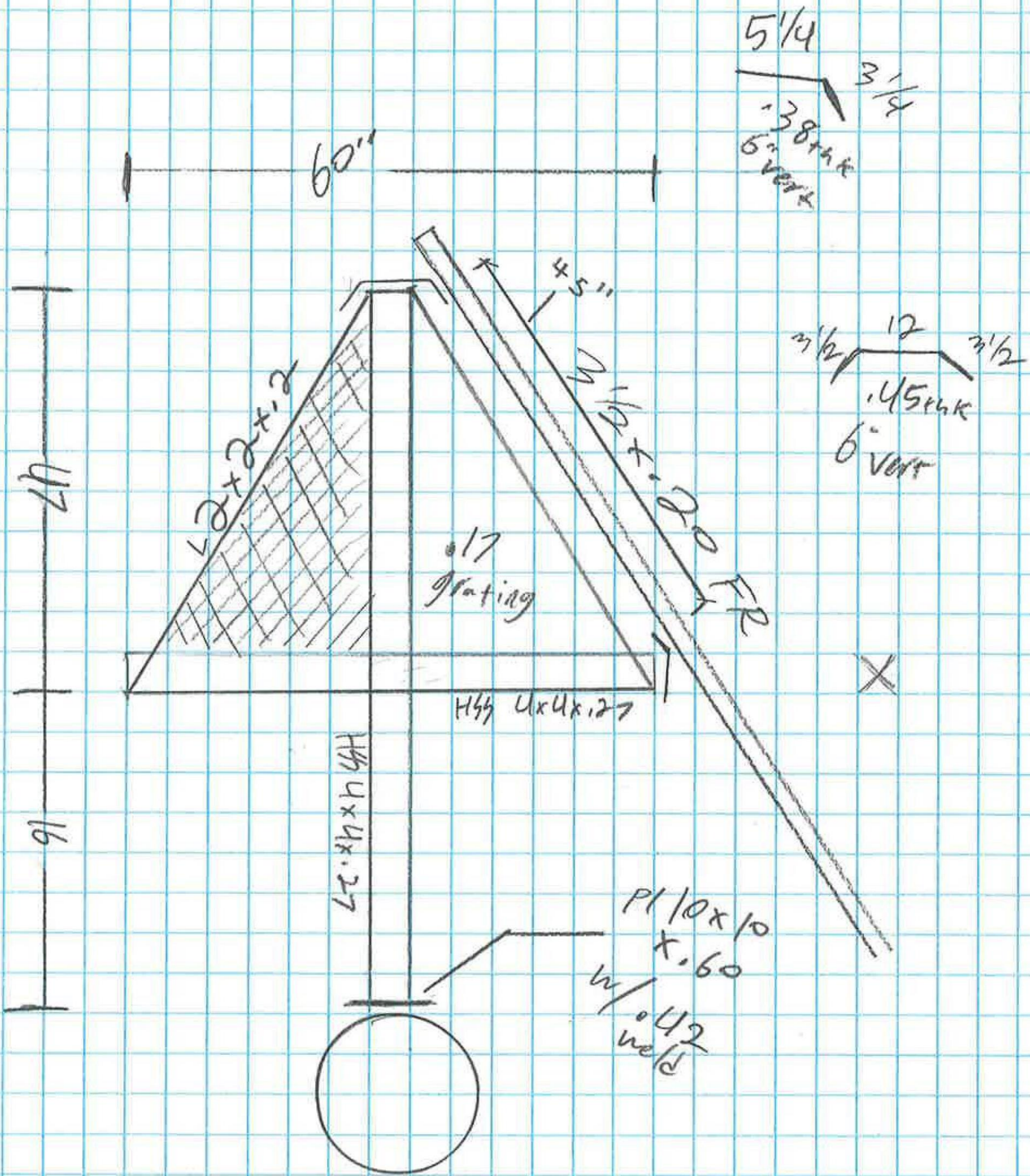
Antenna Mount Mapping Form (PATENT PENDING)

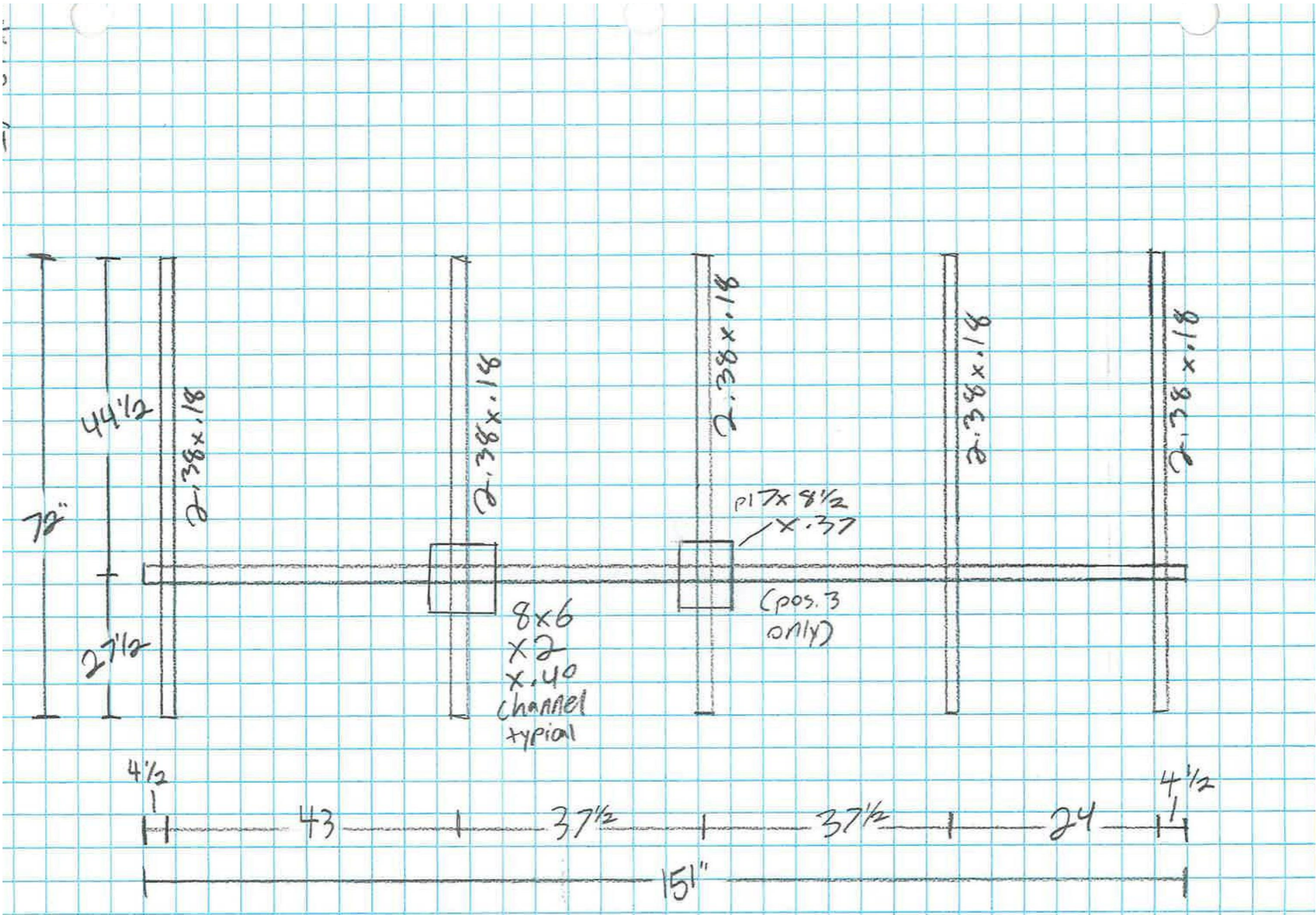
FCC #

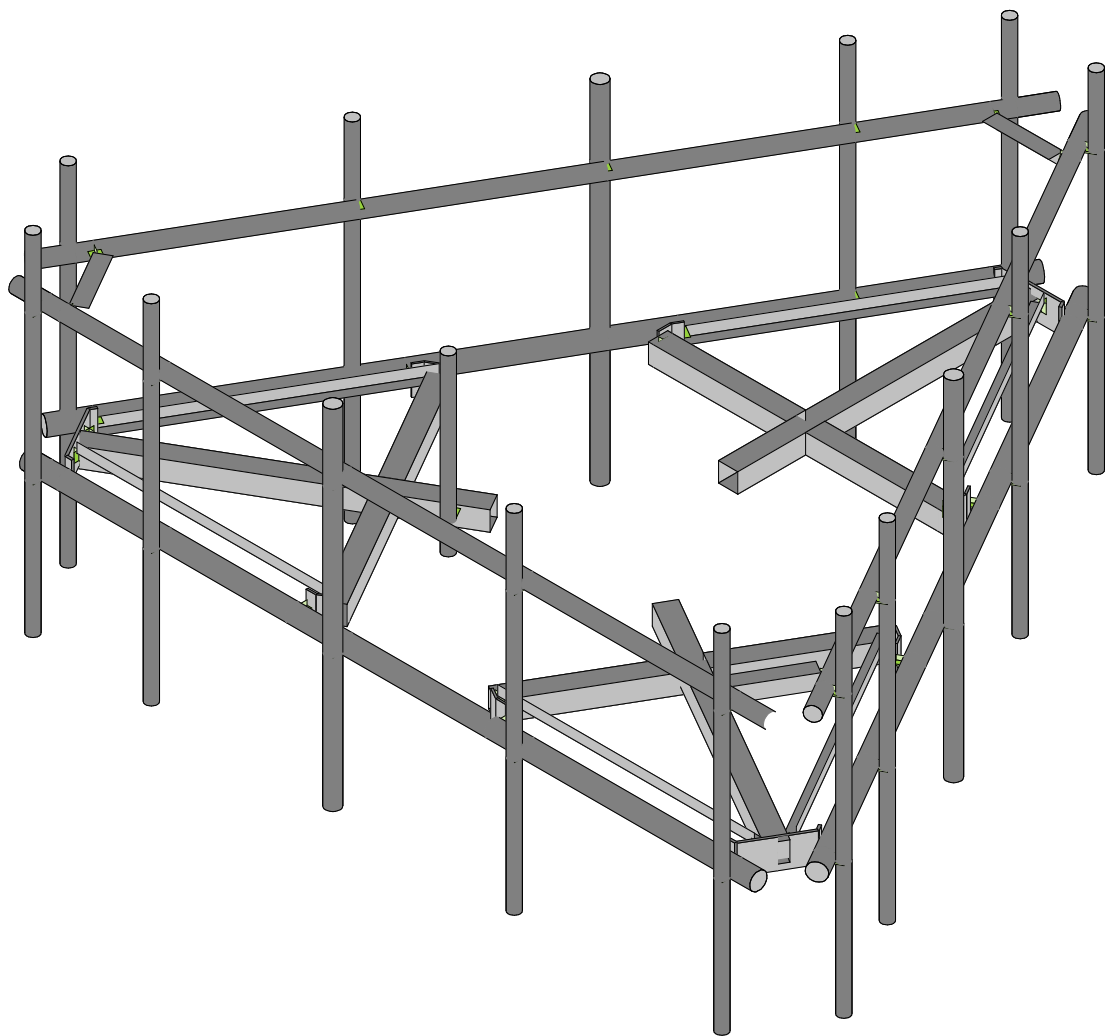
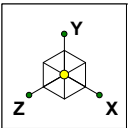
Tower Owner:	CROWN CASTLE	Mapping Date:	2.17.21
Site Name:	MILFORD 3	Tower Type:	Monopole
Site Number or ID:	873633	Tower Height (Ft.):	
Mapping Contractor:	LEVEL-UP TOWERS	Mount Elevation (Ft.):	119

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Please Insert Sketches of the Antenna Mount



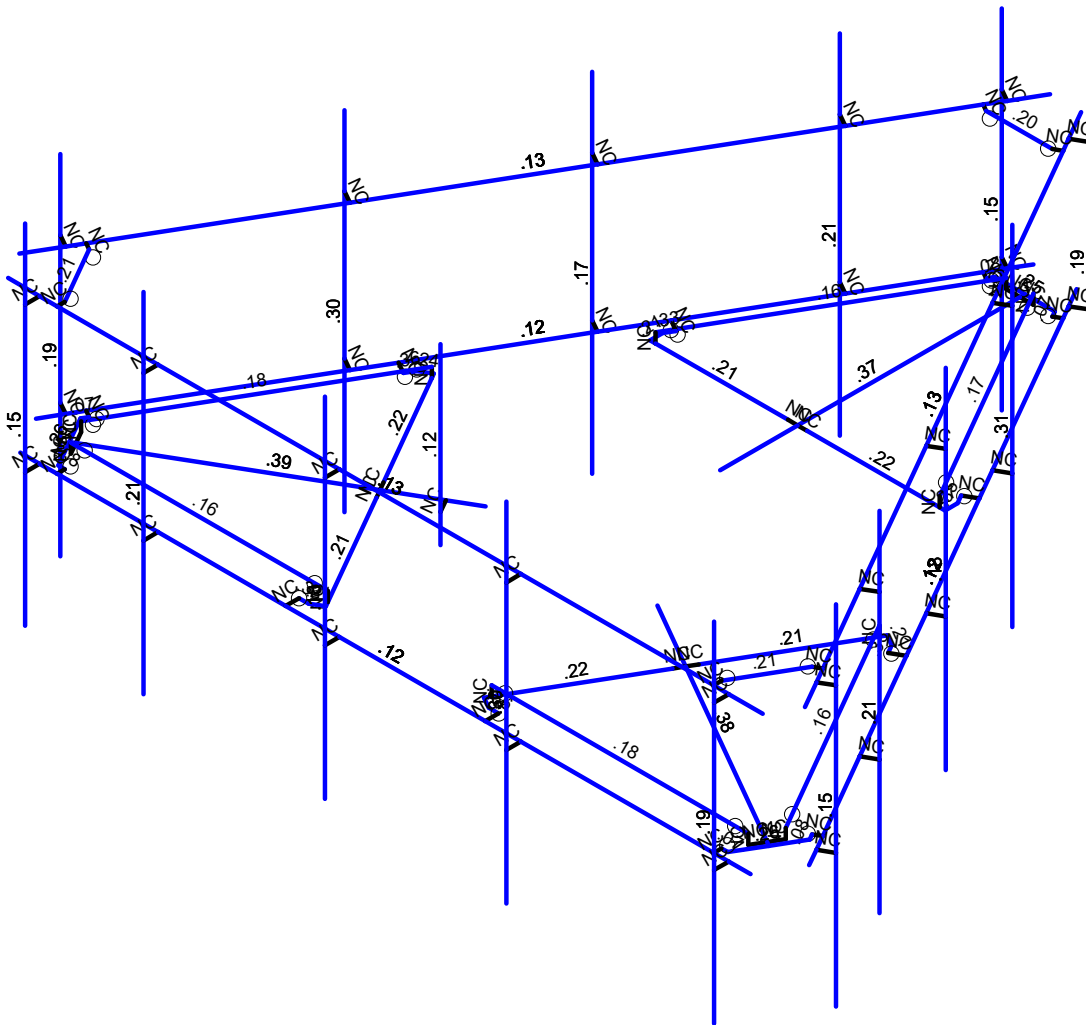
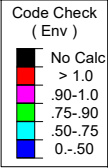
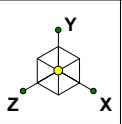




SK - 1

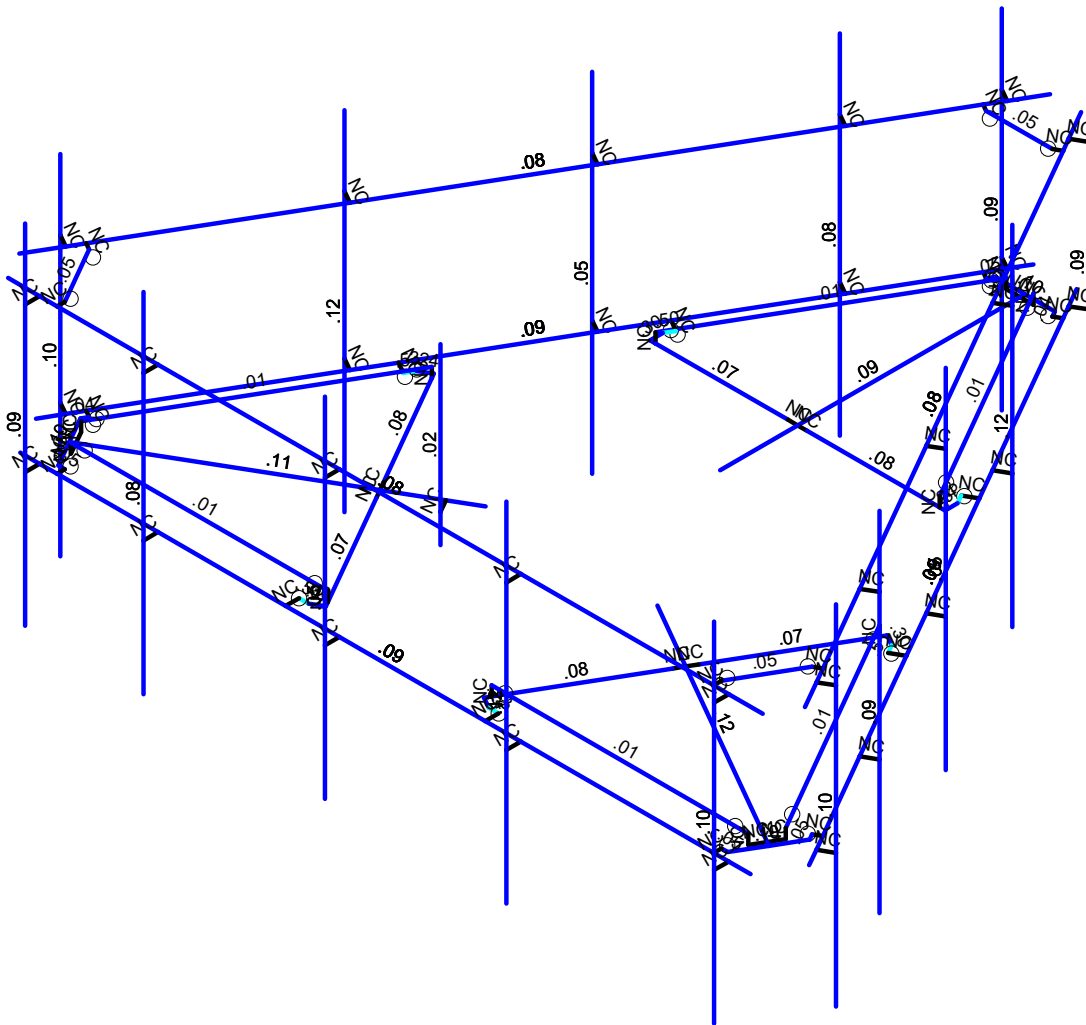
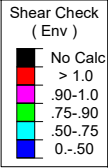
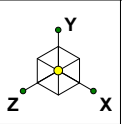
May 3, 2021 at 2:05 PM

467612-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

		SK - 2
		May 3, 2021 at 2:05 PM
		467612-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

SK - 3

May 3, 2021 at 2:05 PM

467612-VZW_MT_LO_H.r3d



Company :
 Designer :
 Job Number :
 Model Name :

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 Checked By: _____

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					111		
2	Antenna Di	None					111		
3	Antenna Wo (0 Deg)	None					111		
4	Antenna Wo (30 Deg)	None					111		
5	Antenna Wo (60 Deg)	None					111		
6	Antenna Wo (90 Deg)	None					111		
7	Antenna Wo (120 Deg)	None					111		
8	Antenna Wo (150 Deg)	None					111		
9	Antenna Wo (180 Deg)	None					111		
10	Antenna Wo (210 Deg)	None					111		
11	Antenna Wo (240 Deg)	None					111		
12	Antenna Wo (270 Deg)	None					111		
13	Antenna Wo (300 Deg)	None					111		
14	Antenna Wo (330 Deg)	None					111		
15	Antenna Wi (0 Deg)	None					111		
16	Antenna Wi (30 Deg)	None					111		
17	Antenna Wi (60 Deg)	None					111		
18	Antenna Wi (90 Deg)	None					111		
19	Antenna Wi (120 Deg)	None					111		
20	Antenna Wi (150 Deg)	None					111		
21	Antenna Wi (180 Deg)	None					111		
22	Antenna Wi (210 Deg)	None					111		
23	Antenna Wi (240 Deg)	None					111		
24	Antenna Wi (270 Deg)	None					111		
25	Antenna Wi (300 Deg)	None					111		
26	Antenna Wi (330 Deg)	None					111		
27	Antenna Wm (0 Deg)	None					111		
28	Antenna Wm (30 Deg)	None					111		
29	Antenna Wm (60 Deg)	None					111		
30	Antenna Wm (90 Deg)	None					111		
31	Antenna Wm (120 Deg)	None					111		
32	Antenna Wm (150 Deg)	None					111		
33	Antenna Wm (180 Deg)	None					111		
34	Antenna Wm (210 Deg)	None					111		
35	Antenna Wm (240 Deg)	None					111		
36	Antenna Wm (270 Deg)	None					111		
37	Antenna Wm (300 Deg)	None					111		
38	Antenna Wm (330 Deg)	None					111		
39	Structure D	None		-1				61	3
40	Structure Di	None						122	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	



Company :
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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	Sol..	PD..	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							



Company :
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Load Combinations (Continued)

Description	Sol.	PD	SR	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						
52	Seismic M...		Y	1	1	39	1						
53	1.2D + 1.0..		Y	1	1.2	39	1.2	SX		SY	1	SZ	-1
54	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866
55	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5
56	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	1	SY	1	SZ	
57	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	.5
58	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	.866
59	1.2D + 1.0..		Y	1	1.2	39	1.2	SX		SY	1	SZ	1
60	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866
61	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5
62	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	-1	SY	1	SZ	
63	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5
64	1.2D + 1.0..		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.291667	-3.5	4.060523	0	
2	N2	-6.291667	-3.5	4.060523	0	
3	N3	-0.	-3.5	-1.708333	0	
4	N5	-2.541667	-3.5	-3.041667	0	
5	N8	5.916667	-3.5	4.060523	0	
6	N9	5.916667	-3.5	4.310523	0	
7	N10	-3.916667	-3.5	4.060523	0	
8	N11	-3.916667	-3.5	4.310523	0	
9	N12	2.333333	-3.5	4.060523	0	
10	N13	2.333333	-3.5	4.310523	0	
11	N14	-0.791667	-3.5	4.060523	0	
12	N15	-0.791667	-3.5	4.310523	0	
13	N16	-0.791667	-5.791667	4.310523	0	
14	N17	-0.791667	0.208333	4.310523	0	



Company :
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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N18	-3.916667	-5.791667	4.310523	0	
16	N19	-3.916667	0.208333	4.310523	0	
17	N20	2.333333	-5.791667	4.310523	0	
18	N21	2.333333	0.208333	4.310523	0	
19	N22	5.916667	-5.791667	4.310523	0	
20	N23	5.916667	0.208333	4.310523	0	
21	N24	-0.	-3.5	-3.041667	0	
22	N27	-0.	-3.5	-6.958333	0	
23	CP	0	-3.5	0	0	
24	N101	2.541667	-3.5	-3.041667	0	
25	N102	-0.166667	-3.5	-3.041667	0	
26	N103A	0.166667	-3.5	-3.041667	0	
27	N104A	-2.541667	-3.5	-3.260417	0	
28	N105	2.541667	-3.5	-3.260417	0	
29	N131	2.458333	-3.5	-3.404754	0	
30	N135	0.571615	-3.5	-6.861357	0	
31	N144	-2.458333	-3.5	-3.404754	0	
32	N148	-0.571615	-3.5	-6.861357	0	
33	N86A	2.656798	-3.5	-3.519338	0	
34	N86B	-2.656798	-3.5	-3.519338	0	
35	N86C	-0.515625	-3.5	-6.958333	0	
36	N87A	0.515625	-3.5	-6.958333	0	
37	N86D	0.688365	-3.5	-6.928763	0	
38	N86E	-0.688365	-3.5	-6.928763	0	
39	N88A	-0.	-3.5	-6.875	0	
40	N87C	0.234238	-3.333333	-6.875	0	
41	N86G	0.234238	-3.5	-6.875	0	
42	N87B	-0.234238	-3.333333	-6.875	0	
43	N88C	-0.234238	-3.5	-6.875	0	
44	N140A	-1.95	-3.25	4.310523	0	
45	N91	2.447414	-3.333333	-3.041667	0	
46	N92	-2.447414	-3.333333	-3.041667	0	
47	N90	-2.447414	-3.5	-3.041667	0	
48	N89	2.447414	-3.5	-3.041667	0	
49	N53A	-1.47946	-3.5	0.854167	0	
50	N54	-1.363327	-3.5	3.721981	0	
51	N55	-2.634161	-3.5	1.520833	0	
52	N56	-6.026093	-3.5	3.479167	0	
53	N58	-3.904994	-3.5	-0.680315	0	
54	N59	-2.550827	-3.5	1.665171	0	
55	N60	-2.717494	-3.5	1.376496	0	
56	N61	-1.55277	-3.5	3.831356	0	
57	N62	-4.094437	-3.5	-0.57094	0	
58	N63	-4.17777	-3.5	-0.426602	0	
59	N64	-6.227916	-3.5	2.935646	0	
60	N65	-1.719437	-3.5	3.831356	0	
61	N66	-5.656302	-3.5	3.925711	0	
62	N67	-4.376235	-3.5	-0.541185	0	
63	N68	-1.719437	-3.5	4.060523	0	
64	N69	-5.768281	-3.5	3.925711	0	
65	N70	-6.283906	-3.5	3.032622	0	
66	N71	-6.344667	-3.5	2.868239	0	
67	N72	-5.656302	-3.5	4.060523	0	
68	N73	-5.953925	-3.5	3.4375	0	
69	N74	-6.071043	-3.333333	3.234644	0	
70	N75	-6.071043	-3.5	3.234644	0	
71	N76	-5.836806	-3.333333	3.640356	0	



Company :
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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N77	-5.836806	-3.5	3.640356	0	
73	N78	-3.857867	-3.333333	-0.598689	0	
74	N79	-1.410454	-3.333333	3.640356	0	
75	N80	-1.410454	-3.5	3.640356	0	
76	N81	-3.857867	-3.5	-0.598689	0	
77	N82	1.47946	-3.5	0.854167	0	
78	N83	3.904994	-3.5	-0.680315	0	
79	N84	2.634161	-3.5	1.520833	0	
80	N85	6.026093	-3.5	3.479167	0	
81	N87	1.363327	-3.5	3.721981	0	
82	N88	2.717494	-3.5	1.376496	0	
83	N89A	2.550827	-3.5	1.665171	0	
84	N90A	4.094437	-3.5	-0.57094	0	
85	N91A	1.55277	-3.5	3.831356	0	
86	N92A	1.719437	-3.5	3.831356	0	
87	N93	5.656302	-3.5	3.925711	0	
88	N94	4.17777	-3.5	-0.426602	0	
89	N95	6.227916	-3.5	2.935646	0	
90	N96	1.719437	-3.5	4.060523	0	
91	N97	4.376235	-3.5	-0.541186	0	
92	N98	6.283906	-3.5	3.032622	0	
93	N99	5.768281	-3.5	3.925711	0	
94	N100	5.656302	-3.5	4.060523	0	
95	N101A	6.344667	-3.5	2.868239	0	
96	N102A	5.953925	-3.5	3.4375	0	
97	N103	5.836806	-3.333333	3.640356	0	
98	N104	5.836806	-3.5	3.640356	0	
99	N105A	6.071043	-3.333333	3.234644	0	
100	N106	6.071043	-3.5	3.234644	0	
101	N107	1.410454	-3.333333	3.640356	0	
102	N108	3.857867	-3.333333	-0.598689	0	
103	N109	3.857867	-3.5	-0.598689	0	
104	N110	1.410454	-3.5	3.640356	0	
105	N105B	0.370683	-3.5	-7.479005	0	
106	N106A	6.66235	-3.5	3.418482	0	
107	N108A	-6.66235	-3.5	3.418482	0	
108	N109A	-0.370683	-3.5	-7.479005	0	
109	N109B	-5.958333	-3.5	4.060523	0	
110	N110A	-5.958333	-3.5	4.310523	0	
111	N111	-5.958333	-5.791667	4.310523	0	
112	N112	-5.958333	0.208333	4.310523	0	
113	N113	0.558183	-3.5	-7.154245	0	
114	N114	0.774689	-3.5	-7.279245	0	
115	N115	5.47485	-3.5	1.361671	0	
116	N116	5.691356	-3.5	1.236671	0	
117	N117	2.34985	-3.5	-4.050988	0	
118	N118	2.566356	-3.5	-4.175988	0	
119	N119	3.91235	-3.5	-1.344658	0	
120	N120	4.128856	-3.5	-1.469658	0	
121	N121	4.128856	-5.791667	-1.469658	0	
122	N122	4.128856	0.208333	-1.469658	0	
123	N123	5.691356	-5.791667	1.236671	0	
124	N124	5.691356	0.208333	1.236671	0	
125	N125	2.566356	-5.791667	-4.175988	0	
126	N126	2.566356	0.208333	-4.175988	0	
127	N127	0.774689	-5.791667	-7.279245	0	
128	N128	0.774689	0.208333	-7.279245	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N130	6.495683	-3.5	3.129806	0	
130	N131A	6.712189	-3.5	3.004806	0	
131	N132	6.712189	-5.791667	3.004806	0	
132	N133	6.712189	0.208333	3.004806	0	
133	N134	-6.47485	-3.5	3.093722	0	
134	N135A	-6.691356	-3.5	2.968722	0	
135	N136	-1.558183	-3.5	-5.422194	0	
136	N137	-1.774689	-3.5	-5.547194	0	
137	N138	-4.683183	-3.5	-0.009536	0	
138	N139	-4.899689	-3.5	-0.134536	0	
139	N140	-3.120683	-3.5	-2.715865	0	
140	N141	-3.337189	-3.5	-2.840865	0	
141	N142	-3.337189	-5.791667	-2.840865	0	
142	N143	-3.337189	0.208333	-2.840865	0	
143	N144A	-1.774689	-5.791667	-5.547194	0	
144	N145	-1.774689	0.208333	-5.547194	0	
145	N146	-4.899689	-5.791667	-0.134536	0	
146	N147	-4.899689	0.208333	-0.134536	0	
147	N148A	-6.691356	-5.791667	2.968722	0	
148	N149	-6.691356	0.208333	2.968722	0	
149	N151	-0.53735	-3.5	-7.19033	0	
150	N152	-0.753856	-3.5	-7.31533	0	
151	N153	-0.753856	-5.791667	-7.31533	0	
152	N154	-0.753856	0.208333	-7.31533	0	
153	N153A	-1.912473	-3.5	1.104167	0	
154	N154A	-1.787473	-3.5	1.320673	0	
155	N155	-1.787473	-4	1.320673	0	
156	N156	-1.787473	-1	1.320673	0	
157	N157	6.5	-1	4.060523	0	
158	N158	-6.5	-1	4.060523	0	
159	N159	0.571615	-1	-6.861357	0	
160	N160	-0.571615	-1	-6.861357	0	
161	N161	0.688365	-1	-6.928763	0	
162	N162	-0.688365	-1	-6.928763	0	
163	N163	-6.227916	-1	2.935646	0	
164	N164	-5.656302	-1	3.925711	0	
165	N165	-6.344667	-1	2.868239	0	
166	N166	-5.656302	-1	4.060523	0	
167	N167	5.656302	-1	3.925711	0	
168	N168	6.227916	-1	2.935646	0	
169	N169	5.656302	-1	4.060523	0	
170	N170	6.344667	-1	2.868239	0	
171	N175	5.916667	-1	4.060523	0	
172	N176	5.916667	-1	4.310523	0	
173	N177	-3.916667	-1	4.060523	0	
174	N178	-3.916667	-1	4.310523	0	
175	N179	2.333333	-1	4.060523	0	
176	N180	2.333333	-1	4.310523	0	
177	N181	-0.791667	-1	4.060523	0	
178	N182	-0.791667	-1	4.310523	0	
179	N183	-5.958333	-1	4.060523	0	
180	N184	-5.958333	-1	4.310523	0	
181	N185	0.558183	-1	-7.154245	0	
182	N186	0.774689	-1	-7.279245	0	
183	N187	5.47485	-1	1.361671	0	
184	N188	5.691356	-1	1.236671	0	
185	N189	2.34985	-1	-4.050988	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N190	2.566356	-1	-4.175988	0	
187	N191	3.91235	-1	-1.344658	0	
188	N192	4.128856	-1	-1.469658	0	
189	N193	6.495683	-1	3.129806	0	
190	N194	6.712189	-1	3.004806	0	
191	N195	-6.47485	-1	3.093722	0	
192	N196	-6.691356	-1	2.968722	0	
193	N197	-1.558183	-1	-5.422194	0	
194	N198	-1.774689	-1	-5.547194	0	
195	N199	-4.683183	-1	-0.009536	0	
196	N200	-4.899689	-1	-0.134536	0	
197	N201	-3.120683	-1	-2.715865	0	
198	N202	-3.337189	-1	-2.840865	0	
199	N203	-0.53735	-1	-7.19033	0	
200	N204	-0.753856	-1	-7.31533	0	
201	N202A	0.266516	-1	-7.659427	0	
202	N203A	6.766516	-1	3.598903	0	
203	N205	-6.766516	-1	3.598903	0	
204	N206	-0.266516	-1	-7.659427	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	Q235	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	Q235	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	Q235	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	Q235	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	Q235	Typical	2.25	.026	6.75	.101
8	P2.5 Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE_2.5	Beam	Wide Flange	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail Conner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	Q235	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	Q235	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	Q235	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	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
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			P2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	Q235	Typical
13	M46	N86C	N87A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
14	M51B	N87C	N91			Grating Support	Beam	Single Angle	Q235	Typical
15	M52B	N92	N87B			Grating Support	Beam	Single Angle	Q235	Typical
16	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
17	M58	N102	N24			RIGID	None	None	RIGID	Typical
18	M59	N24	N103A			RIGID	None	None	RIGID	Typical
19	M76	N101	N105			Cross Arm Plate	Column	RECT	Q235	Typical
20	M77	N105	N131			Cross Arm Plate	Column	RECT	Q235	Typical
21	M79	N131	N86A			RIGID	None	None	RIGID	Typical
22	M80	N87A	N135			Corner Plate	Beam	RECT	A36 Gr.36	Typical
23	M83	N135	N86D			RIGID	None	None	RIGID	Typical
24	M84	N5	N104A			Cross Arm Plate	Column	RECT	Q235	Typical
25	M85	N104A	N144			Cross Arm Plate	Column	RECT	Q235	Typical
26	M88	N144	N86B			RIGID	None	None	RIGID	Typical
27	M91	N86C	N148			Corner Plate	Beam	RECT	A36 Gr.36	Typical
28	M92	N148	N86E			RIGID	None	None	RIGID	Typical
29	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
30	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
31	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
32	M52A	N92	N90			RIGID	None	None	RIGID	Typical
33	M52C	N91	N89			RIGID	None	None	RIGID	Typical
34	M36	N53A	N56			Standoff Horiz...	Beam	SquareTube	Q235	Typical
35	M37	N58	N60			Platform Cross...	Beam	SquareTube	Q235	Typical
36	M38	N59	N54			Platform Cross...	Beam	SquareTube	Q235	Typical
37	M39	N69	N70			Corner Plate	Beam	RECT	A36 Gr.36	Typical
38	M40	N74	N78			Grating Support	Beam	Single Angle	Q235	Typical
39	M41	N79	N76			Grating Support	Beam	Single Angle	Q235	Typical
40	M42	N76	N77			RIGID	None	None	RIGID	Typical
41	M43A	N59	N55			RIGID	None	None	RIGID	Typical
42	M44	N55	N60			RIGID	None	None	RIGID	Typical
43	M45	N58	N62			Cross Arm Plate	Column	RECT	Q235	Typical
44	M46A	N62	N63			Cross Arm Plate	Column	RECT	Q235	Typical
45	M47	N63	N67			RIGID	None	None	RIGID	Typical
46	M48	N70	N64			Corner Plate	Beam	RECT	A36 Gr.36	Typical
47	M49	N64	N71			RIGID	None	None	RIGID	Typical
48	M50A	N54	N61			Cross Arm Plate	Column	RECT	Q235	Typical
49	M51C	N61	N65			Cross Arm Plate	Column	RECT	Q235	Typical
50	M52D	N65	N68			RIGID	None	None	RIGID	Typical
51	M53	N69	N66			Corner Plate	Beam	RECT	A36 Gr.36	Typical
52	M54	N66	N72			RIGID	None	None	RIGID	Typical
53	M55	N77	N73			RIGID	None	None	RIGID	Typical
54	M56	N73	N75			RIGID	None	None	RIGID	Typical
55	M57	N74	N75			RIGID	None	None	RIGID	Typical
56	M58A	N79	N80			RIGID	None	None	RIGID	Typical
57	M59A	N78	N81			RIGID	None	None	RIGID	Typical
58	M60	N82	N85			Standoff Horiz...	Beam	SquareTube	Q235	Typical
59	M61	N87	N89A			Platform Cross...	Beam	SquareTube	Q235	Typical
60	M62	N88	N83			Platform Cross...	Beam	SquareTube	Q235	Typical
61	M63	N98	N99			Corner Plate	Beam	RECT	A36 Gr.36	Typical
62	M64	N103	N107			Grating Support	Beam	Single Angle	Q235	Typical
63	M65	N108	N105A			Grating Support	Beam	Single Angle	Q235	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
64	M66	N105A	N106			RIGID	None	None	RIGID	Typical
65	M67	N88	N84			RIGID	None	None	RIGID	Typical
66	M68	N84	N89A			RIGID	None	None	RIGID	Typical
67	M69	N87	N91A			Cross Arm Plate	Column	RECT	Q235	Typical
68	M70	N91A	N92A			Cross Arm Plate	Column	RECT	Q235	Typical
69	M71	N92A	N96			RIGID	None	None	RIGID	Typical
70	M72	N99	N93			Corner Plate	Beam	RECT	A36 Gr.36	Typical
71	M73	N93	N100			RIGID	None	None	RIGID	Typical
72	M74	N83	N90A			Cross Arm Plate	Column	RECT	Q235	Typical
73	M75	N90A	N94			Cross Arm Plate	Column	RECT	Q235	Typical
74	M76A	N94	N97			RIGID	None	None	RIGID	Typical
75	M77A	N98	N95			Corner Plate	Beam	RECT	A36 Gr.36	Typical
76	M78	N95	N101A			RIGID	None	None	RIGID	Typical
77	M79A	N106	N102A			RIGID	None	None	RIGID	Typical
78	M80A	N102A	N104			RIGID	None	None	RIGID	Typical
79	M81	N103	N104			RIGID	None	None	RIGID	Typical
80	M82	N108	N109			RIGID	None	None	RIGID	Typical
81	M83A	N107	N110			RIGID	None	None	RIGID	Typical
82	M82A	N105B	N106A			Face Horizontal	Beam	Pipe	Q235	Typical
83	M83B	N108A	N109A			Face Horizontal	Beam	Pipe	Q235	Typical
84	M84A	N109B	N110A			RIGID	None	None	RIGID	Typical
85	MP5A	N112	N111			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N113	N114			RIGID	None	None	RIGID	Typical
87	M87	N115	N116			RIGID	None	None	RIGID	Typical
88	M88A	N117	N118			RIGID	None	None	RIGID	Typical
89	M89	N119	N120			RIGID	None	None	RIGID	Typical
90	MP3C	N122	N121			P2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP4C	N124	N123			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	MP2C	N126	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	MP1C	N128	N127			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N130	N131A			RIGID	None	None	RIGID	Typical
95	MP5C	N133	N132			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N134	N135A			RIGID	None	None	RIGID	Typical
97	M97	N136	N137			RIGID	None	None	RIGID	Typical
98	M98	N138	N139			RIGID	None	None	RIGID	Typical
99	M99	N140	N141			RIGID	None	None	RIGID	Typical
100	MP3B	N143	N142			P2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	MP4B	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	MP2B	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	MP1B	N149	N148A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	M104	N151	N152			RIGID	None	None	RIGID	Typical
105	MP5B	N154	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M106	N153A	N154A			RIGID	None	None	RIGID	Typical
107	M107	N156	N155			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
108	M108	N157	N158			Support Rail	Beam	Wide Flange	A53 Gr.B	Typical
109	M109	N159	N161			RIGID	None	None	RIGID	Typical
110	M110	N160	N162			RIGID	None	None	RIGID	Typical
111	M111	N163	N165			RIGID	None	None	RIGID	Typical
112	M112	N164	N166			RIGID	None	None	RIGID	Typical
113	M113	N167	N169			RIGID	None	None	RIGID	Typical
114	M114	N168	N170			RIGID	None	None	RIGID	Typical
115	M117	N167	N168		180	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
116	M118	N159	N160		180	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
117	M119	N163	N164		180	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
118	M120	N175	N176			RIGID	None	None	RIGID	Typical
119	M121	N177	N178			RIGID	None	None	RIGID	Typical
120	M122	N179	N180			RIGID	None	None	RIGID	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
121	M123	N181	N182			RIGID	None	None	RIGID	Typical
122	M124	N183	N184			RIGID	None	None	RIGID	Typical
123	M125	N185	N186			RIGID	None	None	RIGID	Typical
124	M126	N187	N188			RIGID	None	None	RIGID	Typical
125	M127	N189	N190			RIGID	None	None	RIGID	Typical
126	M128	N191	N192			RIGID	None	None	RIGID	Typical
127	M129	N193	N194			RIGID	None	None	RIGID	Typical
128	M130	N195	N196			RIGID	None	None	RIGID	Typical
129	M131	N197	N198			RIGID	None	None	RIGID	Typical
130	M132	N199	N200			RIGID	None	None	RIGID	Typical
131	M133	N201	N202			RIGID	None	None	RIGID	Typical
132	M134	N203	N204			RIGID	None	None	RIGID	Typical
133	M133A	N202A	N203A			Support Rail	Beam	Wide Flange	A53 Gr.B	Typical
134	M134A	N205	N206			Support Rail	Beam	Wide Flange	A53 Gr.B	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	12.583			Lbyy						Lateral
2	M4	Standoff Ho...	5.25			Lbyy						Lateral
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	MP3A	P2.5 Mount ...	6			Lbyy						Lateral
5	MP4A	Mount Pipe	6			Lbyy						Lateral
6	MP2A	Mount Pipe	6			Lbyy						Lateral
7	MP1A	Mount Pipe	6			Lbyy						Lateral
8	M43	Platform Cr...	2.375			Lbyy						Lateral
9	M46	Corner Plate	1.031			Lbyy						Lateral
10	M51B	Grating Sup...	4.426			Lbyy						Lateral
11	M52B	Grating Sup...	4.426			Lbyy						Lateral
12	M76	Cross Arm ...	.219									Lateral
13	M77	Cross Arm ...	.167									Lateral
14	M80	Corner Plate	.112			Lbyy						Lateral
15	M84	Cross Arm ...	.219									Lateral
16	M85	Cross Arm ...	.167									Lateral
17	M91	Corner Plate	.112			Lbyy						Lateral
18	M36	Standoff Ho...	5.25			Lbyy						Lateral
19	M37	Platform Cr...	2.375			Lbyy						Lateral
20	M38	Platform Cr...	2.375			Lbyy						Lateral
21	M39	Corner Plate	1.031			Lbyy						Lateral
22	M40	Grating Sup...	4.426			Lbyy						Lateral
23	M41	Grating Sup...	4.426			Lbyy						Lateral
24	M45	Cross Arm ...	.219									Lateral
25	M46A	Cross Arm ...	.167									Lateral
26	M48	Corner Plate	.112			Lbyy						Lateral
27	M50A	Cross Arm ...	.219									Lateral
28	M51C	Cross Arm ...	.167									Lateral
29	M53	Corner Plate	.112			Lbyy						Lateral
30	M60	Standoff Ho...	5.25			Lbyy						Lateral
31	M61	Platform Cr...	2.375			Lbyy						Lateral
32	M62	Platform Cr...	2.375			Lbyy						Lateral
33	M63	Corner Plate	1.031			Lbyy						Lateral
34	M64	Grating Sup...	4.426			Lbyy						Lateral
35	M65	Grating Sup...	4.426			Lbyy						Lateral
36	M69	Cross Arm ...	.219									Lateral
37	M70	Cross Arm ...	.167									Lateral
38	M72	Corner Plate	.112			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
39	M74	Cross Arm ...	.219									Lateral
40	M75	Cross Arm ...	.167									Lateral
41	M77A	Corner Plate	.112			Lbyy						Lateral
42	M82A	Face Horizo...	12.583			Lbyy						Lateral
43	M83B	Face Horizo...	12.583			Lbyy						Lateral
44	MP5A	Mount Pipe	6			Lbyy						Lateral
45	MP3C	P2.5 Mount ...	6			Lbyy						Lateral
46	MP4C	Mount Pipe	6			Lbyy						Lateral
47	MP2C	Mount Pipe	6			Lbyy						Lateral
48	MP1C	Mount Pipe	6			Lbyy						Lateral
49	MP5C	Mount Pipe	6			Lbyy						Lateral
50	MP3B	P2.5 Mount ...	6			Lbyy						Lateral
51	MP4B	Mount Pipe	6			Lbyy						Lateral
52	MP2B	Mount Pipe	6			Lbyy						Lateral
53	MP1B	Mount Pipe	6			Lbyy						Lateral
54	MP5B	Mount Pipe	6			Lbyy						Lateral
55	M107	Mount Pipe	3									Lateral
56	M108	Support Rail	13			Lbyy						Lateral
57	M117	Support Rail...	1.143			Lbyy						Lateral
58	M118	Support Rail...	1.143			Lbyy						Lateral
59	M119	Support Rail...	1.143			Lbyy						Lateral
60	M133A	Support Rail	13			Lbyy						Lateral
61	M134A	Support Rail	13			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[|b,k-ft]	Location[ft,%]
1	MP2A	Y	-23	1
2	MP2A	My	-.011	1
3	MP2A	Mz	.017	1
4	MP2A	Y	-23	5
5	MP2A	My	-.011	5
6	MP2A	Mz	.017	5
7	MP2B	Y	-23	1
8	MP2B	My	-.009	1
9	MP2B	Mz	-.019	1
10	MP2B	Y	-23	5
11	MP2B	My	-.009	5
12	MP2B	Mz	-.019	5
13	MP2C	Y	-23	1
14	MP2C	My	.019	1
15	MP2C	Mz	.008	1
16	MP2C	Y	-23	5
17	MP2C	My	.019	5
18	MP2C	Mz	.008	5
19	MP2A	Y	-23	1
20	MP2A	My	-.011	1
21	MP2A	Mz	-.017	1
22	MP2A	Y	-23	5
23	MP2A	My	-.011	5
24	MP2A	Mz	-.017	5
25	MP2B	Y	-23	1
26	MP2B	My	.021	1
27	MP2B	Mz	-.001	1
28	MP2B	Y	-23	5
29	MP2B	My	.021	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP2B	Mz	-0.01	5
31	MP2C	Y	-23	1
32	MP2C	My	-0.15	1
33	MP2C	Mz	.014	1
34	MP2C	Y	-23	5
35	MP2C	My	-0.15	5
36	MP2C	Mz	.014	5
37	MP4A	Y	-43.55	2
38	MP4A	My	-0.22	2
39	MP4A	Mz	0	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-0.22	4
42	MP4A	Mz	0	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.011	2
45	MP4B	Mz	-0.19	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.011	4
48	MP4B	Mz	-0.19	4
49	MP4C	Y	-43.55	2
50	MP4C	My	.004	2
51	MP4C	Mz	.021	2
52	MP4C	Y	-43.55	4
53	MP4C	My	.004	4
54	MP4C	Mz	.021	4
55	MP2A	Y	-84.4	3
56	MP2A	My	.042	3
57	MP2A	Mz	0	3
58	MP2B	Y	-84.4	3
59	MP2B	My	-0.21	3
60	MP2B	Mz	.037	3
61	MP2C	Y	-84.4	3
62	MP2C	My	-0.007	3
63	MP2C	Mz	-0.042	3
64	MP3A	Y	-70.3	3
65	MP3A	My	.035	3
66	MP3A	Mz	0	3
67	MP3B	Y	-70.3	3
68	MP3B	My	-0.18	3
69	MP3B	Mz	.03	3
70	MP3C	Y	-70.3	3
71	MP3C	My	-0.006	3
72	MP3C	Mz	-0.035	3
73	M107	Y	-32	1.25
74	M107	My	0	1.25
75	M107	Mz	0	1.25
76	MP1A	Y	-5.5	1.5
77	MP1A	My	-0.003	1.5
78	MP1A	Mz	0	1.5
79	MP1A	Y	-5.5	4.5
80	MP1A	My	-0.003	4.5
81	MP1A	Mz	0	4.5
82	MP1B	Y	-5.5	1.5
83	MP1B	My	.001	1.5
84	MP1B	Mz	-0.002	1.5
85	MP1B	Y	-5.5	4.5
86	MP1B	My	.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
87	MP1B	Mz	-.002	4.5
88	MP1C	Y	-5.5	1.5
89	MP1C	My	.000478	1.5
90	MP1C	Mz	.003	1.5
91	MP1C	Y	-5.5	4.5
92	MP1C	My	.000478	4.5
93	MP1C	Mz	.003	4.5
94	MP5A	Y	-5.5	1.5
95	MP5A	My	-.003	1.5
96	MP5A	Mz	0	1.5
97	MP5A	Y	-5.5	4.5
98	MP5A	My	-.003	4.5
99	MP5A	Mz	0	4.5
100	MP5B	Y	-5.5	1.5
101	MP5B	My	.001	1.5
102	MP5B	Mz	-.002	1.5
103	MP5B	Y	-5.5	4.5
104	MP5B	My	.001	4.5
105	MP5B	Mz	-.002	4.5
106	MP5C	Y	-5.5	1.5
107	MP5C	My	.000478	1.5
108	MP5C	Mz	.003	1.5
109	MP5C	Y	-5.5	4.5
110	MP5C	My	.000478	4.5
111	MP5C	Mz	.003	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	Y	-80.649	1
2	MP2A	My	-.04	1
3	MP2A	Mz	.06	1
4	MP2A	Y	-80.649	5
5	MP2A	My	-.04	5
6	MP2A	Mz	.06	5
7	MP2B	Y	-80.649	1
8	MP2B	My	-.032	1
9	MP2B	Mz	-.065	1
10	MP2B	Y	-80.649	5
11	MP2B	My	-.032	5
12	MP2B	Mz	-.065	5
13	MP2C	Y	-80.649	1
14	MP2C	My	.067	1
15	MP2C	Mz	.029	1
16	MP2C	Y	-80.649	5
17	MP2C	My	.067	5
18	MP2C	Mz	.029	5
19	MP2A	Y	-80.649	1
20	MP2A	My	-.04	1
21	MP2A	Mz	-.06	1
22	MP2A	Y	-80.649	5
23	MP2A	My	-.04	5
24	MP2A	Mz	-.06	5
25	MP2B	Y	-80.649	1
26	MP2B	My	.073	1
27	MP2B	Mz	-.005	1
28	MP2B	Y	-80.649	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
29	MP2B	My	.073	5
30	MP2B	Mz	-.005	5
31	MP2C	Y	-80.649	1
32	MP2C	My	-.053	1
33	MP2C	Mz	.05	1
34	MP2C	Y	-80.649	5
35	MP2C	My	-.053	5
36	MP2C	Mz	.05	5
37	MP4A	Y	-34.807	2
38	MP4A	My	-.017	2
39	MP4A	Mz	0	2
40	MP4A	Y	-34.807	4
41	MP4A	My	-.017	4
42	MP4A	Mz	0	4
43	MP4B	Y	-34.807	2
44	MP4B	My	.009	2
45	MP4B	Mz	-.015	2
46	MP4B	Y	-34.807	4
47	MP4B	My	.009	4
48	MP4B	Mz	-.015	4
49	MP4C	Y	-34.807	2
50	MP4C	My	.003	2
51	MP4C	Mz	.017	2
52	MP4C	Y	-34.807	4
53	MP4C	My	.003	4
54	MP4C	Mz	.017	4
55	MP2A	Y	-43.868	3
56	MP2A	My	.022	3
57	MP2A	Mz	0	3
58	MP2B	Y	-43.868	3
59	MP2B	My	-.011	3
60	MP2B	Mz	.019	3
61	MP2C	Y	-43.868	3
62	MP2C	My	-.004	3
63	MP2C	Mz	-.022	3
64	MP3A	Y	-39.445	3
65	MP3A	My	.02	3
66	MP3A	Mz	0	3
67	MP3B	Y	-39.445	3
68	MP3B	My	-.01	3
69	MP3B	Mz	.017	3
70	MP3C	Y	-39.445	3
71	MP3C	My	-.003	3
72	MP3C	Mz	-.019	3
73	M107	Y	-74.245	1.25
74	M107	My	0	1.25
75	M107	Mz	0	1.25
76	MP1A	Y	-31.798	1.5
77	MP1A	My	-.016	1.5
78	MP1A	Mz	0	1.5
79	MP1A	Y	-31.798	4.5
80	MP1A	My	-.016	4.5
81	MP1A	Mz	0	4.5
82	MP1B	Y	-31.798	1.5
83	MP1B	My	.008	1.5
84	MP1B	Mz	-.014	1.5
85	MP1B	Y	-31.798	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP1B	My	.008	4.5
87	MP1B	Mz	-.014	4.5
88	MP1C	Y	-31.798	1.5
89	MP1C	My	.003	1.5
90	MP1C	Mz	.016	1.5
91	MP1C	Y	-31.798	4.5
92	MP1C	My	.003	4.5
93	MP1C	Mz	.016	4.5
94	MP5A	Y	-31.798	1.5
95	MP5A	My	-.016	1.5
96	MP5A	Mz	0	1.5
97	MP5A	Y	-31.798	4.5
98	MP5A	My	-.016	4.5
99	MP5A	Mz	0	4.5
100	MP5B	Y	-31.798	1.5
101	MP5B	My	.008	1.5
102	MP5B	Mz	-.014	1.5
103	MP5B	Y	-31.798	4.5
104	MP5B	My	.008	4.5
105	MP5B	Mz	-.014	4.5
106	MP5C	Y	-31.798	1.5
107	MP5C	My	.003	1.5
108	MP5C	Mz	.016	1.5
109	MP5C	Y	-31.798	4.5
110	MP5C	My	.003	4.5
111	MP5C	Mz	.016	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-201.298	1
3	MP2A	Mx	-.151	1
4	MP2A	X	0	5
5	MP2A	Z	-201.298	5
6	MP2A	Mx	-.151	5
7	MP2B	X	0	1
8	MP2B	Z	-162.567	1
9	MP2B	Mx	.131	1
10	MP2B	X	0	5
11	MP2B	Z	-162.567	5
12	MP2B	Mx	.131	5
13	MP2C	X	0	1
14	MP2C	Z	-151.214	1
15	MP2C	Mx	-.055	1
16	MP2C	X	0	5
17	MP2C	Z	-151.214	5
18	MP2C	Mx	-.055	5
19	MP2A	X	0	1
20	MP2A	Z	-201.298	1
21	MP2A	Mx	.151	1
22	MP2A	X	0	5
23	MP2A	Z	-201.298	5
24	MP2A	Mx	.151	5
25	MP2B	X	0	1
26	MP2B	Z	-162.567	1
27	MP2B	Mx	.009	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
28	MP2B	X	0	5
29	MP2B	Z	-162.567	5
30	MP2B	Mx	.009	5
31	MP2C	X	0	1
32	MP2C	Z	-151.214	1
33	MP2C	Mx	-.094	1
34	MP2C	X	0	5
35	MP2C	Z	-151.214	5
36	MP2C	Mx	-.094	5
37	MP4A	X	0	2
38	MP4A	Z	-95.856	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-95.856	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-52.11	2
45	MP4B	Mx	.023	2
46	MP4B	X	0	4
47	MP4B	Z	-52.11	4
48	MP4B	Mx	.023	4
49	MP4C	X	0	2
50	MP4C	Z	-39.286	2
51	MP4C	Mx	-.019	2
52	MP4C	X	0	4
53	MP4C	Z	-39.286	4
54	MP4C	Mx	-.019	4
55	MP2A	X	0	3
56	MP2A	Z	-76.277	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	-57.31	3
60	MP2B	Mx	-.025	3
61	MP2C	X	0	3
62	MP2C	Z	-51.75	3
63	MP2C	Mx	.025	3
64	MP3A	X	0	3
65	MP3A	Z	-76.277	3
66	MP3A	Mx	0	3
67	MP3B	X	0	3
68	MP3B	Z	-50.044	3
69	MP3B	Mx	-.022	3
70	MP3C	X	0	3
71	MP3C	Z	-42.354	3
72	MP3C	Mx	.021	3
73	M107	X	0	1.25
74	M107	Z	-141.527	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	-53.231	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	-53.231	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	-75.144	1.5
84	MP1B	Mx	.033	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
85	MP1B	X	0	4.5
86	MP1B	Z	-75.144	4.5
87	MP1B	Mx	.033	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	-81.567	1.5
90	MP1C	Mx	-.04	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	-81.567	4.5
93	MP1C	Mx	-.04	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	-53.231	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	-53.231	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	-75.144	1.5
102	MP5B	Mx	.033	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	-75.144	4.5
105	MP5B	Mx	.033	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	-81.567	1.5
108	MP5C	Mx	-.04	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	-81.567	4.5
111	MP5C	Mx	-.04	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	94.194	1
2	MP2A	Z	-163.148	1
3	MP2A	Mx	-.169	1
4	MP2A	X	94.194	5
5	MP2A	Z	-163.148	5
6	MP2A	Mx	-.169	5
7	MP2B	X	74.828	1
8	MP2B	Z	-129.607	1
9	MP2B	Mx	.075	1
10	MP2B	X	74.828	5
11	MP2B	Z	-129.607	5
12	MP2B	Mx	.075	5
13	MP2C	X	85.497	1
14	MP2C	Z	-148.085	1
15	MP2C	Mx	.017	1
16	MP2C	X	85.497	5
17	MP2C	Z	-148.085	5
18	MP2C	Mx	.017	5
19	MP2A	X	94.194	1
20	MP2A	Z	-163.148	1
21	MP2A	Mx	.075	1
22	MP2A	X	94.194	5
23	MP2A	Z	-163.148	5
24	MP2A	Mx	.075	5
25	MP2B	X	74.828	1
26	MP2B	Z	-129.607	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
27	MP2B	Mx	.075	1
28	MP2B	X	74.828	5
29	MP2B	Z	-129.607	5
30	MP2B	Mx	.075	5
31	MP2C	X	85.497	1
32	MP2C	Z	-148.085	1
33	MP2C	Mx	-.148	1
34	MP2C	X	85.497	5
35	MP2C	Z	-148.085	5
36	MP2C	Mx	-.148	5
37	MP4A	X	40.637	2
38	MP4A	Z	-70.385	2
39	MP4A	Mx	-.02	2
40	MP4A	X	40.637	4
41	MP4A	Z	-70.385	4
42	MP4A	Mx	-.02	4
43	MP4B	X	18.764	2
44	MP4B	Z	-32.5	2
45	MP4B	Mx	.019	2
46	MP4B	X	18.764	4
47	MP4B	Z	-32.5	4
48	MP4B	Mx	.019	4
49	MP4C	X	30.814	2
50	MP4C	Z	-53.371	2
51	MP4C	Mx	-.024	2
52	MP4C	X	30.814	4
53	MP4C	Z	-53.371	4
54	MP4C	Mx	-.024	4
55	MP2A	X	34.977	3
56	MP2A	Z	-60.582	3
57	MP2A	Mx	.017	3
58	MP2B	X	25.494	3
59	MP2B	Z	-44.156	3
60	MP2B	Mx	-.025	3
61	MP2C	X	30.718	3
62	MP2C	Z	-53.205	3
63	MP2C	Mx	.024	3
64	MP3A	X	33.766	3
65	MP3A	Z	-58.485	3
66	MP3A	Mx	.017	3
67	MP3B	X	20.65	3
68	MP3B	Z	-35.767	3
69	MP3B	Mx	-.021	3
70	MP3C	X	27.876	3
71	MP3C	Z	-48.282	3
72	MP3C	Mx	.021	3
73	M107	X	57.697	1.25
74	M107	Z	-99.935	1.25
75	M107	Mx	0	1.25
76	MP1A	X	30.268	1.5
77	MP1A	Z	-52.425	1.5
78	MP1A	Mx	-.015	1.5
79	MP1A	X	30.268	4.5
80	MP1A	Z	-52.425	4.5
81	MP1A	Mx	-.015	4.5
82	MP1B	X	41.224	1.5
83	MP1B	Z	-71.402	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
84	MP1B	Mx	.041	1.5
85	MP1B	X	41.224	4.5
86	MP1B	Z	-71.402	4.5
87	MP1B	Mx	.041	4.5
88	MP1C	X	35.188	1.5
89	MP1C	Z	-60.948	1.5
90	MP1C	Mx	-.027	1.5
91	MP1C	X	35.188	4.5
92	MP1C	Z	-60.948	4.5
93	MP1C	Mx	-.027	4.5
94	MP5A	X	30.268	1.5
95	MP5A	Z	-52.425	1.5
96	MP5A	Mx	-.015	1.5
97	MP5A	X	30.268	4.5
98	MP5A	Z	-52.425	4.5
99	MP5A	Mx	-.015	4.5
100	MP5B	X	41.224	1.5
101	MP5B	Z	-71.402	1.5
102	MP5B	Mx	.041	1.5
103	MP5B	X	41.224	4.5
104	MP5B	Z	-71.402	4.5
105	MP5B	Mx	.041	4.5
106	MP5C	X	35.188	1.5
107	MP5C	Z	-60.948	1.5
108	MP5C	Mx	-.027	1.5
109	MP5C	X	35.188	4.5
110	MP5C	Z	-60.948	4.5
111	MP5C	Mx	-.027	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	140.787	1
2	MP2A	Z	-81.284	1
3	MP2A	Mx	-.131	1
4	MP2A	X	140.787	5
5	MP2A	Z	-81.284	5
6	MP2A	Mx	-.131	5
7	MP2B	X	140.787	1
8	MP2B	Z	-81.284	1
9	MP2B	Mx	.009	1
10	MP2B	X	140.787	5
11	MP2B	Z	-81.284	5
12	MP2B	Mx	.009	5
13	MP2C	X	169.097	1
14	MP2C	Z	-97.628	1
15	MP2C	Mx	.104	1
16	MP2C	X	169.097	5
17	MP2C	Z	-97.628	5
18	MP2C	Mx	.104	5
19	MP2A	X	140.787	1
20	MP2A	Z	-81.284	1
21	MP2A	Mx	-.009	1
22	MP2A	X	140.787	5
23	MP2A	Z	-81.284	5
24	MP2A	Mx	-.009	5
25	MP2B	X	140.787	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP2B	Z	-81.284	1
27	MP2B	Mx	.131	1
28	MP2B	X	140.787	5
29	MP2B	Z	-81.284	5
30	MP2B	Mx	.131	5
31	MP2C	X	169.097	1
32	MP2C	Z	-97.628	1
33	MP2C	Mx	-.171	1
34	MP2C	X	169.097	5
35	MP2C	Z	-97.628	5
36	MP2C	Mx	-.171	5
37	MP4A	X	45.128	2
38	MP4A	Z	-26.055	2
39	MP4A	Mx	-.023	2
40	MP4A	X	45.128	4
41	MP4A	Z	-26.055	4
42	MP4A	Mx	-.023	4
43	MP4B	X	45.128	2
44	MP4B	Z	-26.055	2
45	MP4B	Mx	.023	2
46	MP4B	X	45.128	4
47	MP4B	Z	-26.055	4
48	MP4B	Mx	.023	4
49	MP4C	X	77.105	2
50	MP4C	Z	-44.516	2
51	MP4C	Mx	-.015	2
52	MP4C	X	77.105	4
53	MP4C	Z	-44.516	4
54	MP4C	Mx	-.015	4
55	MP2A	X	49.632	3
56	MP2A	Z	-28.655	3
57	MP2A	Mx	.025	3
58	MP2B	X	49.632	3
59	MP2B	Z	-28.655	3
60	MP2B	Mx	-.025	3
61	MP2C	X	63.496	3
62	MP2C	Z	-36.659	3
63	MP2C	Mx	.013	3
64	MP3A	X	43.339	3
65	MP3A	Z	-25.022	3
66	MP3A	Mx	.022	3
67	MP3B	X	43.339	3
68	MP3B	Z	-25.022	3
69	MP3B	Mx	-.022	3
70	MP3C	X	62.514	3
71	MP3C	Z	-36.093	3
72	MP3C	Mx	.012	3
73	M107	X	88.619	1.25
74	M107	Z	-51.164	1.25
75	M107	Mx	0	1.25
76	MP1A	X	65.076	1.5
77	MP1A	Z	-37.572	1.5
78	MP1A	Mx	-.033	1.5
79	MP1A	X	65.076	4.5
80	MP1A	Z	-37.572	4.5
81	MP1A	Mx	-.033	4.5
82	MP1B	X	65.076	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
83	MP1B	Z	-37.572	1.5
84	MP1B	Mx	.033	1.5
85	MP1B	X	65.076	4.5
86	MP1B	Z	-37.572	4.5
87	MP1B	Mx	.033	4.5
88	MP1C	X	49.059	1.5
89	MP1C	Z	-28.324	1.5
90	MP1C	Mx	-.01	1.5
91	MP1C	X	49.059	4.5
92	MP1C	Z	-28.324	4.5
93	MP1C	Mx	-.01	4.5
94	MP5A	X	65.076	1.5
95	MP5A	Z	-37.572	1.5
96	MP5A	Mx	-.033	1.5
97	MP5A	X	65.076	4.5
98	MP5A	Z	-37.572	4.5
99	MP5A	Mx	-.033	4.5
100	MP5B	X	65.076	1.5
101	MP5B	Z	-37.572	1.5
102	MP5B	Mx	.033	1.5
103	MP5B	X	65.076	4.5
104	MP5B	Z	-37.572	4.5
105	MP5B	Mx	.033	4.5
106	MP5C	X	49.059	1.5
107	MP5C	Z	-28.324	1.5
108	MP5C	Mx	-.01	1.5
109	MP5C	X	49.059	4.5
110	MP5C	Z	-28.324	4.5
111	MP5C	Mx	-.01	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	149.657	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.075	1
4	MP2A	X	149.657	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.075	5
7	MP2B	X	188.387	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.075	1
10	MP2B	X	188.387	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.075	5
13	MP2C	X	199.74	1
14	MP2C	Z	0	1
15	MP2C	Mx	.165	1
16	MP2C	X	199.74	5
17	MP2C	Z	0	5
18	MP2C	Mx	.165	5
19	MP2A	X	149.657	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.075	1
22	MP2A	X	149.657	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.075	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
25	MP2B	X	188.387	1
26	MP2B	Z	0	1
27	MP2B	Mx	.169	1
28	MP2B	X	188.387	5
29	MP2B	Z	0	5
30	MP2B	Mx	.169	5
31	MP2C	X	199.74	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.13	1
34	MP2C	X	199.74	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.13	5
37	MP4A	X	37.527	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.019	2
40	MP4A	X	37.527	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.019	4
43	MP4B	X	81.274	2
44	MP4B	Z	0	2
45	MP4B	Mx	.02	2
46	MP4B	X	81.274	4
47	MP4B	Z	0	4
48	MP4B	Mx	.02	4
49	MP4C	X	94.097	2
50	MP4C	Z	0	2
51	MP4C	Mx	.008	2
52	MP4C	X	94.097	4
53	MP4C	Z	0	4
54	MP4C	Mx	.008	4
55	MP2A	X	50.987	3
56	MP2A	Z	0	3
57	MP2A	Mx	.025	3
58	MP2B	X	69.954	3
59	MP2B	Z	0	3
60	MP2B	Mx	-.017	3
61	MP2C	X	75.514	3
62	MP2C	Z	0	3
63	MP2C	Mx	-.007	3
64	MP3A	X	41.3	3
65	MP3A	Z	0	3
66	MP3A	Mx	.021	3
67	MP3B	X	67.533	3
68	MP3B	Z	0	3
69	MP3B	Mx	-.017	3
70	MP3C	X	75.222	3
71	MP3C	Z	0	3
72	MP3C	Mx	-.007	3
73	M107	X	115.395	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	82.448	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	-.041	1.5
79	MP1A	X	82.448	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.041	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP1B	X	60.535	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	.015	1.5
85	MP1B	X	60.535	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	.015	4.5
88	MP1C	X	54.112	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.005	1.5
91	MP1C	X	54.112	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	.005	4.5
94	MP5A	X	82.448	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	-.041	1.5
97	MP5A	X	82.448	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	-.041	4.5
100	MP5B	X	60.535	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	.015	1.5
103	MP5B	X	60.535	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	.015	4.5
106	MP5C	X	54.112	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	.005	1.5
109	MP5C	X	54.112	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	140.787	1
2	MP2A	Z	81.284	1
3	MP2A	Mx	-.009	1
4	MP2A	X	140.787	5
5	MP2A	Z	81.284	5
6	MP2A	Mx	-.009	5
7	MP2B	X	174.329	1
8	MP2B	Z	100.649	1
9	MP2B	Mx	-.151	1
10	MP2B	X	174.329	5
11	MP2B	Z	100.649	5
12	MP2B	Mx	-.151	5
13	MP2C	X	155.851	1
14	MP2C	Z	89.98	1
15	MP2C	Mx	.161	1
16	MP2C	X	155.851	5
17	MP2C	Z	89.98	5
18	MP2C	Mx	.161	5
19	MP2A	X	140.787	1
20	MP2A	Z	81.284	1
21	MP2A	Mx	-.131	1
22	MP2A	X	140.787	5
23	MP2A	Z	81.284	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP2A	Mx	-.131	5
25	MP2B	X	174.329	1
26	MP2B	Z	100.649	1
27	MP2B	Mx	.151	1
28	MP2B	X	174.329	5
29	MP2B	Z	100.649	5
30	MP2B	Mx	.151	5
31	MP2C	X	155.851	1
32	MP2C	Z	89.98	1
33	MP2C	Mx	-.046	1
34	MP2C	X	155.851	5
35	MP2C	Z	89.98	5
36	MP2C	Mx	-.046	5
37	MP4A	X	45.128	2
38	MP4A	Z	26.055	2
39	MP4A	Mx	-.023	2
40	MP4A	X	45.128	4
41	MP4A	Z	26.055	4
42	MP4A	Mx	-.023	4
43	MP4B	X	83.014	2
44	MP4B	Z	47.928	2
45	MP4B	Mx	0	2
46	MP4B	X	83.014	4
47	MP4B	Z	47.928	4
48	MP4B	Mx	0	4
49	MP4C	X	62.143	2
50	MP4C	Z	35.878	2
51	MP4C	Mx	.023	2
52	MP4C	X	62.143	4
53	MP4C	Z	35.878	4
54	MP4C	Mx	.023	4
55	MP2A	X	49.632	3
56	MP2A	Z	28.655	3
57	MP2A	Mx	.025	3
58	MP2B	X	66.058	3
59	MP2B	Z	38.138	3
60	MP2B	Mx	0	3
61	MP2C	X	57.009	3
62	MP2C	Z	32.914	3
63	MP2C	Mx	-.021	3
64	MP3A	X	43.339	3
65	MP3A	Z	25.022	3
66	MP3A	Mx	.022	3
67	MP3B	X	66.058	3
68	MP3B	Z	38.138	3
69	MP3B	Mx	0	3
70	MP3C	X	53.542	3
71	MP3C	Z	30.913	3
72	MP3C	Mx	-.02	3
73	M107	X	122.566	1.25
74	M107	Z	70.764	1.25
75	M107	Mx	0	1.25
76	MP1A	X	65.076	1.5
77	MP1A	Z	37.572	1.5
78	MP1A	Mx	-.033	1.5
79	MP1A	X	65.076	4.5
80	MP1A	Z	37.572	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
81	MP1A	Mx	-.033	4.5
82	MP1B	X	46.099	1.5
83	MP1B	Z	26.615	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	46.099	4.5
86	MP1B	Z	26.615	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	56.554	1.5
89	MP1C	Z	32.651	1.5
90	MP1C	Mx	.021	1.5
91	MP1C	X	56.554	4.5
92	MP1C	Z	32.651	4.5
93	MP1C	Mx	.021	4.5
94	MP5A	X	65.076	1.5
95	MP5A	Z	37.572	1.5
96	MP5A	Mx	-.033	1.5
97	MP5A	X	65.076	4.5
98	MP5A	Z	37.572	4.5
99	MP5A	Mx	-.033	4.5
100	MP5B	X	46.099	1.5
101	MP5B	Z	26.615	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	46.099	4.5
104	MP5B	Z	26.615	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	56.554	1.5
107	MP5C	Z	32.651	1.5
108	MP5C	Mx	.021	1.5
109	MP5C	X	56.554	4.5
110	MP5C	Z	32.651	4.5
111	MP5C	Mx	.021	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	94.194	1
2	MP2A	Z	163.148	1
3	MP2A	Mx	.075	1
4	MP2A	X	94.194	5
5	MP2A	Z	163.148	5
6	MP2A	Mx	.075	5
7	MP2B	X	94.194	1
8	MP2B	Z	163.148	1
9	MP2B	Mx	-.169	1
10	MP2B	X	94.194	5
11	MP2B	Z	163.148	5
12	MP2B	Mx	-.169	5
13	MP2C	X	77.849	1
14	MP2C	Z	134.838	1
15	MP2C	Mx	.113	1
16	MP2C	X	77.849	5
17	MP2C	Z	134.838	5
18	MP2C	Mx	.113	5
19	MP2A	X	94.194	1
20	MP2A	Z	163.148	1
21	MP2A	Mx	-.169	1
22	MP2A	X	94.194	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
23	MP2A	Z	163.148	5
24	MP2A	Mx	-.169	5
25	MP2B	X	94.194	1
26	MP2B	Z	163.148	1
27	MP2B	Mx	.075	1
28	MP2B	X	94.194	5
29	MP2B	Z	163.148	5
30	MP2B	Mx	.075	5
31	MP2C	X	77.849	1
32	MP2C	Z	134.838	1
33	MP2C	Mx	.033	1
34	MP2C	X	77.849	5
35	MP2C	Z	134.838	5
36	MP2C	Mx	.033	5
37	MP4A	X	40.637	2
38	MP4A	Z	70.385	2
39	MP4A	Mx	-.02	2
40	MP4A	X	40.637	4
41	MP4A	Z	70.385	4
42	MP4A	Mx	-.02	4
43	MP4B	X	40.637	2
44	MP4B	Z	70.385	2
45	MP4B	Mx	-.02	2
46	MP4B	X	40.637	4
47	MP4B	Z	70.385	4
48	MP4B	Mx	-.02	4
49	MP4C	X	22.175	2
50	MP4C	Z	38.409	2
51	MP4C	Mx	.021	2
52	MP4C	X	22.175	4
53	MP4C	Z	38.409	4
54	MP4C	Mx	.021	4
55	MP2A	X	34.977	3
56	MP2A	Z	60.582	3
57	MP2A	Mx	.017	3
58	MP2B	X	34.977	3
59	MP2B	Z	60.582	3
60	MP2B	Mx	.017	3
61	MP2C	X	26.973	3
62	MP2C	Z	46.718	3
63	MP2C	Mx	-.025	3
64	MP3A	X	33.766	3
65	MP3A	Z	58.485	3
66	MP3A	Mx	.017	3
67	MP3B	X	33.766	3
68	MP3B	Z	58.485	3
69	MP3B	Mx	.017	3
70	MP3C	X	22.696	3
71	MP3C	Z	39.31	3
72	MP3C	Mx	-.021	3
73	M107	X	77.297	1.25
74	M107	Z	133.882	1.25
75	M107	Mx	0	1.25
76	MP1A	X	30.268	1.5
77	MP1A	Z	52.425	1.5
78	MP1A	Mx	-.015	1.5
79	MP1A	X	30.268	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP1A	Z	52.425	4.5
81	MP1A	Mx	-.015	4.5
82	MP1B	X	30.268	1.5
83	MP1B	Z	52.425	1.5
84	MP1B	Mx	-.015	1.5
85	MP1B	X	30.268	4.5
86	MP1B	Z	52.425	4.5
87	MP1B	Mx	-.015	4.5
88	MP1C	X	39.515	1.5
89	MP1C	Z	68.442	1.5
90	MP1C	Mx	.037	1.5
91	MP1C	X	39.515	4.5
92	MP1C	Z	68.442	4.5
93	MP1C	Mx	.037	4.5
94	MP5A	X	30.268	1.5
95	MP5A	Z	52.425	1.5
96	MP5A	Mx	-.015	1.5
97	MP5A	X	30.268	4.5
98	MP5A	Z	52.425	4.5
99	MP5A	Mx	-.015	4.5
100	MP5B	X	30.268	1.5
101	MP5B	Z	52.425	1.5
102	MP5B	Mx	-.015	1.5
103	MP5B	X	30.268	4.5
104	MP5B	Z	52.425	4.5
105	MP5B	Mx	-.015	4.5
106	MP5C	X	39.515	1.5
107	MP5C	Z	68.442	1.5
108	MP5C	Mx	.037	1.5
109	MP5C	X	39.515	4.5
110	MP5C	Z	68.442	4.5
111	MP5C	Mx	.037	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	201.298	1
3	MP2A	Mx	.151	1
4	MP2A	X	0	5
5	MP2A	Z	201.298	5
6	MP2A	Mx	.151	5
7	MP2B	X	0	1
8	MP2B	Z	162.567	1
9	MP2B	Mx	-.131	1
10	MP2B	X	0	5
11	MP2B	Z	162.567	5
12	MP2B	Mx	-.131	5
13	MP2C	X	0	1
14	MP2C	Z	151.214	1
15	MP2C	Mx	.055	1
16	MP2C	X	0	5
17	MP2C	Z	151.214	5
18	MP2C	Mx	.055	5
19	MP2A	X	0	1
20	MP2A	Z	201.298	1
21	MP2A	Mx	-.151	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP2A	X	0	5
23	MP2A	Z	201.298	5
24	MP2A	Mx	-.151	5
25	MP2B	X	0	1
26	MP2B	Z	162.567	1
27	MP2B	Mx	-.009	1
28	MP2B	X	0	5
29	MP2B	Z	162.567	5
30	MP2B	Mx	-.009	5
31	MP2C	X	0	1
32	MP2C	Z	151.214	1
33	MP2C	Mx	.094	1
34	MP2C	X	0	5
35	MP2C	Z	151.214	5
36	MP2C	Mx	.094	5
37	MP4A	X	0	2
38	MP4A	Z	95.856	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	95.856	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	52.11	2
45	MP4B	Mx	-.023	2
46	MP4B	X	0	4
47	MP4B	Z	52.11	4
48	MP4B	Mx	-.023	4
49	MP4C	X	0	2
50	MP4C	Z	39.286	2
51	MP4C	Mx	.019	2
52	MP4C	X	0	4
53	MP4C	Z	39.286	4
54	MP4C	Mx	.019	4
55	MP2A	X	0	3
56	MP2A	Z	76.277	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	57.31	3
60	MP2B	Mx	.025	3
61	MP2C	X	0	3
62	MP2C	Z	51.75	3
63	MP2C	Mx	-.025	3
64	MP3A	X	0	3
65	MP3A	Z	76.277	3
66	MP3A	Mx	0	3
67	MP3B	X	0	3
68	MP3B	Z	50.044	3
69	MP3B	Mx	.022	3
70	MP3C	X	0	3
71	MP3C	Z	42.354	3
72	MP3C	Mx	-.021	3
73	M107	X	0	1.25
74	M107	Z	141.527	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	53.231	1.5
78	MP1A	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
79	MP1A	X	0	4.5
80	MP1A	Z	53.231	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	75.144	1.5
84	MP1B	Mx	-.033	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	75.144	4.5
87	MP1B	Mx	-.033	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	81.567	1.5
90	MP1C	Mx	.04	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	81.567	4.5
93	MP1C	Mx	.04	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	53.231	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	53.231	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	75.144	1.5
102	MP5B	Mx	-.033	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	75.144	4.5
105	MP5B	Mx	-.033	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	81.567	1.5
108	MP5C	Mx	.04	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	81.567	4.5
111	MP5C	Mx	.04	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-94.194	1
2	MP2A	Z	163.148	1
3	MP2A	Mx	.169	1
4	MP2A	X	-94.194	5
5	MP2A	Z	163.148	5
6	MP2A	Mx	.169	5
7	MP2B	X	-74.828	1
8	MP2B	Z	129.607	1
9	MP2B	Mx	-.075	1
10	MP2B	X	-74.828	5
11	MP2B	Z	129.607	5
12	MP2B	Mx	-.075	5
13	MP2C	X	-85.497	1
14	MP2C	Z	148.085	1
15	MP2C	Mx	-.017	1
16	MP2C	X	-85.497	5
17	MP2C	Z	148.085	5
18	MP2C	Mx	-.017	5
19	MP2A	X	-94.194	1
20	MP2A	Z	163.148	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
21	MP2A	Mx	-.075	1
22	MP2A	X	-94.194	5
23	MP2A	Z	163.148	5
24	MP2A	Mx	-.075	5
25	MP2B	X	-74.828	1
26	MP2B	Z	129.607	1
27	MP2B	Mx	-.075	1
28	MP2B	X	-74.828	5
29	MP2B	Z	129.607	5
30	MP2B	Mx	-.075	5
31	MP2C	X	-85.497	1
32	MP2C	Z	148.085	1
33	MP2C	Mx	.148	1
34	MP2C	X	-85.497	5
35	MP2C	Z	148.085	5
36	MP2C	Mx	.148	5
37	MP4A	X	-40.637	2
38	MP4A	Z	70.385	2
39	MP4A	Mx	.02	2
40	MP4A	X	-40.637	4
41	MP4A	Z	70.385	4
42	MP4A	Mx	.02	4
43	MP4B	X	-18.764	2
44	MP4B	Z	32.5	2
45	MP4B	Mx	-.019	2
46	MP4B	X	-18.764	4
47	MP4B	Z	32.5	4
48	MP4B	Mx	-.019	4
49	MP4C	X	-30.814	2
50	MP4C	Z	53.371	2
51	MP4C	Mx	.024	2
52	MP4C	X	-30.814	4
53	MP4C	Z	53.371	4
54	MP4C	Mx	.024	4
55	MP2A	X	-34.977	3
56	MP2A	Z	60.582	3
57	MP2A	Mx	-.017	3
58	MP2B	X	-25.494	3
59	MP2B	Z	44.156	3
60	MP2B	Mx	.025	3
61	MP2C	X	-30.718	3
62	MP2C	Z	53.205	3
63	MP2C	Mx	-.024	3
64	MP3A	X	-33.766	3
65	MP3A	Z	58.485	3
66	MP3A	Mx	-.017	3
67	MP3B	X	-20.65	3
68	MP3B	Z	35.767	3
69	MP3B	Mx	.021	3
70	MP3C	X	-27.876	3
71	MP3C	Z	48.282	3
72	MP3C	Mx	-.021	3
73	M107	X	-57.697	1.25
74	M107	Z	99.935	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-30.268	1.5
77	MP1A	Z	52.425	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
78	MP1A	Mx	.015	1.5
79	MP1A	X	-30.268	4.5
80	MP1A	Z	52.425	4.5
81	MP1A	Mx	.015	4.5
82	MP1B	X	-41.224	1.5
83	MP1B	Z	71.402	1.5
84	MP1B	Mx	-.041	1.5
85	MP1B	X	-41.224	4.5
86	MP1B	Z	71.402	4.5
87	MP1B	Mx	-.041	4.5
88	MP1C	X	-35.188	1.5
89	MP1C	Z	60.948	1.5
90	MP1C	Mx	.027	1.5
91	MP1C	X	-35.188	4.5
92	MP1C	Z	60.948	4.5
93	MP1C	Mx	.027	4.5
94	MP5A	X	-30.268	1.5
95	MP5A	Z	52.425	1.5
96	MP5A	Mx	.015	1.5
97	MP5A	X	-30.268	4.5
98	MP5A	Z	52.425	4.5
99	MP5A	Mx	.015	4.5
100	MP5B	X	-41.224	1.5
101	MP5B	Z	71.402	1.5
102	MP5B	Mx	-.041	1.5
103	MP5B	X	-41.224	4.5
104	MP5B	Z	71.402	4.5
105	MP5B	Mx	-.041	4.5
106	MP5C	X	-35.188	1.5
107	MP5C	Z	60.948	1.5
108	MP5C	Mx	.027	1.5
109	MP5C	X	-35.188	4.5
110	MP5C	Z	60.948	4.5
111	MP5C	Mx	.027	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-140.787	1
2	MP2A	Z	81.284	1
3	MP2A	Mx	.131	1
4	MP2A	X	-140.787	5
5	MP2A	Z	81.284	5
6	MP2A	Mx	.131	5
7	MP2B	X	-140.787	1
8	MP2B	Z	81.284	1
9	MP2B	Mx	-.009	1
10	MP2B	X	-140.787	5
11	MP2B	Z	81.284	5
12	MP2B	Mx	-.009	5
13	MP2C	X	-169.097	1
14	MP2C	Z	97.628	1
15	MP2C	Mx	-.104	1
16	MP2C	X	-169.097	5
17	MP2C	Z	97.628	5
18	MP2C	Mx	-.104	5
19	MP2A	X	-140.787	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP2A	Z	81.284	1
21	MP2A	Mx	.009	1
22	MP2A	X	-140.787	5
23	MP2A	Z	81.284	5
24	MP2A	Mx	.009	5
25	MP2B	X	-140.787	1
26	MP2B	Z	81.284	1
27	MP2B	Mx	-.131	1
28	MP2B	X	-140.787	5
29	MP2B	Z	81.284	5
30	MP2B	Mx	-.131	5
31	MP2C	X	-169.097	1
32	MP2C	Z	97.628	1
33	MP2C	Mx	.171	1
34	MP2C	X	-169.097	5
35	MP2C	Z	97.628	5
36	MP2C	Mx	.171	5
37	MP4A	X	-45.128	2
38	MP4A	Z	26.055	2
39	MP4A	Mx	.023	2
40	MP4A	X	-45.128	4
41	MP4A	Z	26.055	4
42	MP4A	Mx	.023	4
43	MP4B	X	-45.128	2
44	MP4B	Z	26.055	2
45	MP4B	Mx	-.023	2
46	MP4B	X	-45.128	4
47	MP4B	Z	26.055	4
48	MP4B	Mx	-.023	4
49	MP4C	X	-77.105	2
50	MP4C	Z	44.516	2
51	MP4C	Mx	.015	2
52	MP4C	X	-77.105	4
53	MP4C	Z	44.516	4
54	MP4C	Mx	.015	4
55	MP2A	X	-49.632	3
56	MP2A	Z	28.655	3
57	MP2A	Mx	-.025	3
58	MP2B	X	-49.632	3
59	MP2B	Z	28.655	3
60	MP2B	Mx	.025	3
61	MP2C	X	-63.496	3
62	MP2C	Z	36.659	3
63	MP2C	Mx	-.013	3
64	MP3A	X	-43.339	3
65	MP3A	Z	25.022	3
66	MP3A	Mx	-.022	3
67	MP3B	X	-43.339	3
68	MP3B	Z	25.022	3
69	MP3B	Mx	.022	3
70	MP3C	X	-62.514	3
71	MP3C	Z	36.093	3
72	MP3C	Mx	-.012	3
73	M107	X	-88.619	1.25
74	M107	Z	51.164	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-65.076	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
77	MP1A	Z	37.572	1.5
78	MP1A	Mx	.033	1.5
79	MP1A	X	-65.076	4.5
80	MP1A	Z	37.572	4.5
81	MP1A	Mx	.033	4.5
82	MP1B	X	-65.076	1.5
83	MP1B	Z	37.572	1.5
84	MP1B	Mx	-.033	1.5
85	MP1B	X	-65.076	4.5
86	MP1B	Z	37.572	4.5
87	MP1B	Mx	-.033	4.5
88	MP1C	X	-49.059	1.5
89	MP1C	Z	28.324	1.5
90	MP1C	Mx	.01	1.5
91	MP1C	X	-49.059	4.5
92	MP1C	Z	28.324	4.5
93	MP1C	Mx	.01	4.5
94	MP5A	X	-65.076	1.5
95	MP5A	Z	37.572	1.5
96	MP5A	Mx	.033	1.5
97	MP5A	X	-65.076	4.5
98	MP5A	Z	37.572	4.5
99	MP5A	Mx	.033	4.5
100	MP5B	X	-65.076	1.5
101	MP5B	Z	37.572	1.5
102	MP5B	Mx	-.033	1.5
103	MP5B	X	-65.076	4.5
104	MP5B	Z	37.572	4.5
105	MP5B	Mx	-.033	4.5
106	MP5C	X	-49.059	1.5
107	MP5C	Z	28.324	1.5
108	MP5C	Mx	.01	1.5
109	MP5C	X	-49.059	4.5
110	MP5C	Z	28.324	4.5
111	MP5C	Mx	.01	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-149.657	1
2	MP2A	Z	0	1
3	MP2A	Mx	.075	1
4	MP2A	X	-149.657	5
5	MP2A	Z	0	5
6	MP2A	Mx	.075	5
7	MP2B	X	-188.387	1
8	MP2B	Z	0	1
9	MP2B	Mx	.075	1
10	MP2B	X	-188.387	5
11	MP2B	Z	0	5
12	MP2B	Mx	.075	5
13	MP2C	X	-199.74	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.165	1
16	MP2C	X	-199.74	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.165	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
19	MP2A	X	-149.657	1
20	MP2A	Z	0	1
21	MP2A	Mx	.075	1
22	MP2A	X	-149.657	5
23	MP2A	Z	0	5
24	MP2A	Mx	.075	5
25	MP2B	X	-188.387	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.169	1
28	MP2B	X	-188.387	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.169	5
31	MP2C	X	-199.74	1
32	MP2C	Z	0	1
33	MP2C	Mx	.13	1
34	MP2C	X	-199.74	5
35	MP2C	Z	0	5
36	MP2C	Mx	.13	5
37	MP4A	X	-37.527	2
38	MP4A	Z	0	2
39	MP4A	Mx	.019	2
40	MP4A	X	-37.527	4
41	MP4A	Z	0	4
42	MP4A	Mx	.019	4
43	MP4B	X	-81.274	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.02	2
46	MP4B	X	-81.274	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.02	4
49	MP4C	X	-94.097	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.008	2
52	MP4C	X	-94.097	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.008	4
55	MP2A	X	-50.987	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.025	3
58	MP2B	X	-69.954	3
59	MP2B	Z	0	3
60	MP2B	Mx	.017	3
61	MP2C	X	-75.514	3
62	MP2C	Z	0	3
63	MP2C	Mx	.007	3
64	MP3A	X	-41.3	3
65	MP3A	Z	0	3
66	MP3A	Mx	-.021	3
67	MP3B	X	-67.533	3
68	MP3B	Z	0	3
69	MP3B	Mx	.017	3
70	MP3C	X	-75.222	3
71	MP3C	Z	0	3
72	MP3C	Mx	.007	3
73	M107	X	-115.395	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
76	MP1A	X	-82.448	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	.041	1.5
79	MP1A	X	-82.448	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.041	4.5
82	MP1B	X	-60.535	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	-.015	1.5
85	MP1B	X	-60.535	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	-.015	4.5
88	MP1C	X	-54.112	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.005	1.5
91	MP1C	X	-54.112	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	-.005	4.5
94	MP5A	X	-82.448	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	.041	1.5
97	MP5A	X	-82.448	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	.041	4.5
100	MP5B	X	-60.535	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	-.015	1.5
103	MP5B	X	-60.535	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	-.015	4.5
106	MP5C	X	-54.112	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	-.005	1.5
109	MP5C	X	-54.112	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	-.005	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP2A	X	-140.787	1
2	MP2A	Z	-81.284	1
3	MP2A	Mx	.009	1
4	MP2A	X	-140.787	5
5	MP2A	Z	-81.284	5
6	MP2A	Mx	.009	5
7	MP2B	X	-174.329	1
8	MP2B	Z	-100.649	1
9	MP2B	Mx	.151	1
10	MP2B	X	-174.329	5
11	MP2B	Z	-100.649	5
12	MP2B	Mx	.151	5
13	MP2C	X	-155.851	1
14	MP2C	Z	-89.98	1
15	MP2C	Mx	-.161	1
16	MP2C	X	-155.851	5
17	MP2C	Z	-89.98	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP2C	Mx	-.161	5
19	MP2A	X	-140.787	1
20	MP2A	Z	-81.284	1
21	MP2A	Mx	.131	1
22	MP2A	X	-140.787	5
23	MP2A	Z	-81.284	5
24	MP2A	Mx	.131	5
25	MP2B	X	-174.329	1
26	MP2B	Z	-100.649	1
27	MP2B	Mx	-.151	1
28	MP2B	X	-174.329	5
29	MP2B	Z	-100.649	5
30	MP2B	Mx	-.151	5
31	MP2C	X	-155.851	1
32	MP2C	Z	-89.98	1
33	MP2C	Mx	.046	1
34	MP2C	X	-155.851	5
35	MP2C	Z	-89.98	5
36	MP2C	Mx	.046	5
37	MP4A	X	-45.128	2
38	MP4A	Z	-26.055	2
39	MP4A	Mx	.023	2
40	MP4A	X	-45.128	4
41	MP4A	Z	-26.055	4
42	MP4A	Mx	.023	4
43	MP4B	X	-83.014	2
44	MP4B	Z	-47.928	2
45	MP4B	Mx	0	2
46	MP4B	X	-83.014	4
47	MP4B	Z	-47.928	4
48	MP4B	Mx	0	4
49	MP4C	X	-62.143	2
50	MP4C	Z	-35.878	2
51	MP4C	Mx	-.023	2
52	MP4C	X	-62.143	4
53	MP4C	Z	-35.878	4
54	MP4C	Mx	-.023	4
55	MP2A	X	-49.632	3
56	MP2A	Z	-28.655	3
57	MP2A	Mx	-.025	3
58	MP2B	X	-66.058	3
59	MP2B	Z	-38.138	3
60	MP2B	Mx	0	3
61	MP2C	X	-57.009	3
62	MP2C	Z	-32.914	3
63	MP2C	Mx	.021	3
64	MP3A	X	-43.339	3
65	MP3A	Z	-25.022	3
66	MP3A	Mx	-.022	3
67	MP3B	X	-66.058	3
68	MP3B	Z	-38.138	3
69	MP3B	Mx	0	3
70	MP3C	X	-53.542	3
71	MP3C	Z	-30.913	3
72	MP3C	Mx	.02	3
73	M107	X	-122.566	1.25
74	M107	Z	-70.764	1.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	M107	Mx	0	1.25
76	MP1A	X	-65.076	1.5
77	MP1A	Z	-37.572	1.5
78	MP1A	Mx	.033	1.5
79	MP1A	X	-65.076	4.5
80	MP1A	Z	-37.572	4.5
81	MP1A	Mx	.033	4.5
82	MP1B	X	-46.099	1.5
83	MP1B	Z	-26.615	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	-46.099	4.5
86	MP1B	Z	-26.615	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	-56.554	1.5
89	MP1C	Z	-32.651	1.5
90	MP1C	Mx	-.021	1.5
91	MP1C	X	-56.554	4.5
92	MP1C	Z	-32.651	4.5
93	MP1C	Mx	-.021	4.5
94	MP5A	X	-65.076	1.5
95	MP5A	Z	-37.572	1.5
96	MP5A	Mx	.033	1.5
97	MP5A	X	-65.076	4.5
98	MP5A	Z	-37.572	4.5
99	MP5A	Mx	.033	4.5
100	MP5B	X	-46.099	1.5
101	MP5B	Z	-26.615	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	-46.099	4.5
104	MP5B	Z	-26.615	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	-56.554	1.5
107	MP5C	Z	-32.651	1.5
108	MP5C	Mx	-.021	1.5
109	MP5C	X	-56.554	4.5
110	MP5C	Z	-32.651	4.5
111	MP5C	Mx	-.021	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-94.194	1
2	MP2A	Z	-163.148	1
3	MP2A	Mx	-.075	1
4	MP2A	X	-94.194	5
5	MP2A	Z	-163.148	5
6	MP2A	Mx	-.075	5
7	MP2B	X	-94.194	1
8	MP2B	Z	-163.148	1
9	MP2B	Mx	.169	1
10	MP2B	X	-94.194	5
11	MP2B	Z	-163.148	5
12	MP2B	Mx	.169	5
13	MP2C	X	-77.849	1
14	MP2C	Z	-134.838	1
15	MP2C	Mx	-.113	1
16	MP2C	X	-77.849	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
17	MP2C	Z	-134.838	5
18	MP2C	Mx	-.113	5
19	MP2A	X	-94.194	1
20	MP2A	Z	-163.148	1
21	MP2A	Mx	.169	1
22	MP2A	X	-94.194	5
23	MP2A	Z	-163.148	5
24	MP2A	Mx	.169	5
25	MP2B	X	-94.194	1
26	MP2B	Z	-163.148	1
27	MP2B	Mx	-.075	1
28	MP2B	X	-94.194	5
29	MP2B	Z	-163.148	5
30	MP2B	Mx	-.075	5
31	MP2C	X	-77.849	1
32	MP2C	Z	-134.838	1
33	MP2C	Mx	-.033	1
34	MP2C	X	-77.849	5
35	MP2C	Z	-134.838	5
36	MP2C	Mx	-.033	5
37	MP4A	X	-40.637	2
38	MP4A	Z	-70.385	2
39	MP4A	Mx	.02	2
40	MP4A	X	-40.637	4
41	MP4A	Z	-70.385	4
42	MP4A	Mx	.02	4
43	MP4B	X	-40.637	2
44	MP4B	Z	-70.385	2
45	MP4B	Mx	.02	2
46	MP4B	X	-40.637	4
47	MP4B	Z	-70.385	4
48	MP4B	Mx	.02	4
49	MP4C	X	-22.175	2
50	MP4C	Z	-38.409	2
51	MP4C	Mx	-.021	2
52	MP4C	X	-22.175	4
53	MP4C	Z	-38.409	4
54	MP4C	Mx	-.021	4
55	MP2A	X	-34.977	3
56	MP2A	Z	-60.582	3
57	MP2A	Mx	-.017	3
58	MP2B	X	-34.977	3
59	MP2B	Z	-60.582	3
60	MP2B	Mx	-.017	3
61	MP2C	X	-26.973	3
62	MP2C	Z	-46.718	3
63	MP2C	Mx	.025	3
64	MP3A	X	-33.766	3
65	MP3A	Z	-58.485	3
66	MP3A	Mx	-.017	3
67	MP3B	X	-33.766	3
68	MP3B	Z	-58.485	3
69	MP3B	Mx	-.017	3
70	MP3C	X	-22.696	3
71	MP3C	Z	-39.31	3
72	MP3C	Mx	.021	3
73	M107	X	-77.297	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
74	M107	Z	-133.882	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-30.268	1.5
77	MP1A	Z	-52.425	1.5
78	MP1A	Mx	.015	1.5
79	MP1A	X	-30.268	4.5
80	MP1A	Z	-52.425	4.5
81	MP1A	Mx	.015	4.5
82	MP1B	X	-30.268	1.5
83	MP1B	Z	-52.425	1.5
84	MP1B	Mx	.015	1.5
85	MP1B	X	-30.268	4.5
86	MP1B	Z	-52.425	4.5
87	MP1B	Mx	.015	4.5
88	MP1C	X	-39.515	1.5
89	MP1C	Z	-68.442	1.5
90	MP1C	Mx	-.037	1.5
91	MP1C	X	-39.515	4.5
92	MP1C	Z	-68.442	4.5
93	MP1C	Mx	-.037	4.5
94	MP5A	X	-30.268	1.5
95	MP5A	Z	-52.425	1.5
96	MP5A	Mx	.015	1.5
97	MP5A	X	-30.268	4.5
98	MP5A	Z	-52.425	4.5
99	MP5A	Mx	.015	4.5
100	MP5B	X	-30.268	1.5
101	MP5B	Z	-52.425	1.5
102	MP5B	Mx	.015	1.5
103	MP5B	X	-30.268	4.5
104	MP5B	Z	-52.425	4.5
105	MP5B	Mx	.015	4.5
106	MP5C	X	-39.515	1.5
107	MP5C	Z	-68.442	1.5
108	MP5C	Mx	-.037	1.5
109	MP5C	X	-39.515	4.5
110	MP5C	Z	-68.442	4.5
111	MP5C	Mx	-.037	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-38.042	1
3	MP2A	Mx	-.029	1
4	MP2A	X	0	5
5	MP2A	Z	-38.042	5
6	MP2A	Mx	-.029	5
7	MP2B	X	0	1
8	MP2B	Z	-31.087	1
9	MP2B	Mx	.025	1
10	MP2B	X	0	5
11	MP2B	Z	-31.087	5
12	MP2B	Mx	.025	5
13	MP2C	X	0	1
14	MP2C	Z	-29.048	1
15	MP2C	Mx	-.011	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP2C	X	0	5
17	MP2C	Z	-29.048	5
18	MP2C	Mx	-.011	5
19	MP2A	X	0	1
20	MP2A	Z	-38.042	1
21	MP2A	Mx	.029	1
22	MP2A	X	0	5
23	MP2A	Z	-38.042	5
24	MP2A	Mx	.029	5
25	MP2B	X	0	1
26	MP2B	Z	-31.087	1
27	MP2B	Mx	.002	1
28	MP2B	X	0	5
29	MP2B	Z	-31.087	5
30	MP2B	Mx	.002	5
31	MP2C	X	0	1
32	MP2C	Z	-29.048	1
33	MP2C	Mx	-.018	1
34	MP2C	X	0	5
35	MP2C	Z	-29.048	5
36	MP2C	Mx	-.018	5
37	MP4A	X	0	2
38	MP4A	Z	-18.755	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-18.755	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-10.67	2
45	MP4B	Mx	.005	2
46	MP4B	X	0	4
47	MP4B	Z	-10.67	4
48	MP4B	Mx	.005	4
49	MP4C	X	0	2
50	MP4C	Z	-8.3	2
51	MP4C	Mx	-.004	2
52	MP4C	X	0	4
53	MP4C	Z	-8.3	4
54	MP4C	Mx	-.004	4
55	MP2A	X	0	3
56	MP2A	Z	-15.789	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	-12.178	3
60	MP2B	Mx	-.005	3
61	MP2C	X	0	3
62	MP2C	Z	-11.119	3
63	MP2C	Mx	.005	3
64	MP3A	X	0	3
65	MP3A	Z	-15.789	3
66	MP3A	Mx	0	3
67	MP3B	X	0	3
68	MP3B	Z	-10.805	3
69	MP3B	Mx	-.005	3
70	MP3C	X	0	3
71	MP3C	Z	-9.344	3
72	MP3C	Mx	.005	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
73	M107	X	0	1.25
74	M107	Z	-28.016	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	-11.161	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	-11.161	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	-15.055	1.5
84	MP1B	Mx	.007	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	-15.055	4.5
87	MP1B	Mx	.007	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	-16.197	1.5
90	MP1C	Mx	-.008	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	-16.197	4.5
93	MP1C	Mx	-.008	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	-11.161	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	-11.161	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	-15.055	1.5
102	MP5B	Mx	.007	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	-15.055	4.5
105	MP5B	Mx	.007	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	-16.197	1.5
108	MP5C	Mx	-.008	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	-16.197	4.5
111	MP5C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP2A	X	17.862	1
2	MP2A	Z	-30.937	1
3	MP2A	Mx	-.032	1
4	MP2A	X	17.862	5
5	MP2A	Z	-30.937	5
6	MP2A	Mx	-.032	5
7	MP2B	X	14.384	1
8	MP2B	Z	-24.914	1
9	MP2B	Mx	.014	1
10	MP2B	X	14.384	5
11	MP2B	Z	-24.914	5
12	MP2B	Mx	.014	5
13	MP2C	X	16.3	1
14	MP2C	Z	-28.232	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
15	MP2C	Mx	.003	1
16	MP2C	X	16.3	5
17	MP2C	Z	-28.232	5
18	MP2C	Mx	.003	5
19	MP2A	X	17.862	1
20	MP2A	Z	-30.937	1
21	MP2A	Mx	.014	1
22	MP2A	X	17.862	5
23	MP2A	Z	-30.937	5
24	MP2A	Mx	.014	5
25	MP2B	X	14.384	1
26	MP2B	Z	-24.914	1
27	MP2B	Mx	.014	1
28	MP2B	X	14.384	5
29	MP2B	Z	-24.914	5
30	MP2B	Mx	.014	5
31	MP2C	X	16.3	1
32	MP2C	Z	-28.232	1
33	MP2C	Mx	-.028	1
34	MP2C	X	16.3	5
35	MP2C	Z	-28.232	5
36	MP2C	Mx	-.028	5
37	MP4A	X	8.03	2
38	MP4A	Z	-13.908	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.03	4
41	MP4A	Z	-13.908	4
42	MP4A	Mx	-.004	4
43	MP4B	X	3.987	2
44	MP4B	Z	-6.906	2
45	MP4B	Mx	.004	2
46	MP4B	X	3.987	4
47	MP4B	Z	-6.906	4
48	MP4B	Mx	.004	4
49	MP4C	X	6.214	2
50	MP4C	Z	-10.764	2
51	MP4C	Mx	-.005	2
52	MP4C	X	6.214	4
53	MP4C	Z	-10.764	4
54	MP4C	Mx	-.005	4
55	MP2A	X	7.293	3
56	MP2A	Z	-12.631	3
57	MP2A	Mx	.004	3
58	MP2B	X	5.487	3
59	MP2B	Z	-9.504	3
60	MP2B	Mx	-.005	3
61	MP2C	X	6.482	3
62	MP2C	Z	-11.226	3
63	MP2C	Mx	.005	3
64	MP3A	X	7.064	3
65	MP3A	Z	-12.235	3
66	MP3A	Mx	.004	3
67	MP3B	X	4.572	3
68	MP3B	Z	-7.919	3
69	MP3B	Mx	-.005	3
70	MP3C	X	5.945	3
71	MP3C	Z	-10.297	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
72	MP3C	Mx	.005	3
73	M107	X	11.6	1.25
74	M107	Z	-20.093	1.25
75	M107	Mx	0	1.25
76	MP1A	X	6.229	1.5
77	MP1A	Z	-10.79	1.5
78	MP1A	Mx	-.003	1.5
79	MP1A	X	6.229	4.5
80	MP1A	Z	-10.79	4.5
81	MP1A	Mx	-.003	4.5
82	MP1B	X	8.177	1.5
83	MP1B	Z	-14.162	1.5
84	MP1B	Mx	.008	1.5
85	MP1B	X	8.177	4.5
86	MP1B	Z	-14.162	4.5
87	MP1B	Mx	.008	4.5
88	MP1C	X	7.104	1.5
89	MP1C	Z	-12.304	1.5
90	MP1C	Mx	-.005	1.5
91	MP1C	X	7.104	4.5
92	MP1C	Z	-12.304	4.5
93	MP1C	Mx	-.005	4.5
94	MP5A	X	6.229	1.5
95	MP5A	Z	-10.79	1.5
96	MP5A	Mx	-.003	1.5
97	MP5A	X	6.229	4.5
98	MP5A	Z	-10.79	4.5
99	MP5A	Mx	-.003	4.5
100	MP5B	X	8.177	1.5
101	MP5B	Z	-14.162	1.5
102	MP5B	Mx	.008	1.5
103	MP5B	X	8.177	4.5
104	MP5B	Z	-14.162	4.5
105	MP5B	Mx	.008	4.5
106	MP5C	X	7.104	1.5
107	MP5C	Z	-12.304	1.5
108	MP5C	Mx	-.005	1.5
109	MP5C	X	7.104	4.5
110	MP5C	Z	-12.304	4.5
111	MP5C	Mx	-.005	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	26.922	1
2	MP2A	Z	-15.543	1
3	MP2A	Mx	-.025	1
4	MP2A	X	26.922	5
5	MP2A	Z	-15.543	5
6	MP2A	Mx	-.025	5
7	MP2B	X	26.922	1
8	MP2B	Z	-15.543	1
9	MP2B	Mx	.002	1
10	MP2B	X	26.922	5
11	MP2B	Z	-15.543	5
12	MP2B	Mx	.002	5
13	MP2C	X	32.006	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
14	MP2C	Z	-18.479	1
15	MP2C	Mx	.02	1
16	MP2C	X	32.006	5
17	MP2C	Z	-18.479	5
18	MP2C	Mx	.02	5
19	MP2A	X	26.922	1
20	MP2A	Z	-15.543	1
21	MP2A	Mx	-.002	1
22	MP2A	X	26.922	5
23	MP2A	Z	-15.543	5
24	MP2A	Mx	-.002	5
25	MP2B	X	26.922	1
26	MP2B	Z	-15.543	1
27	MP2B	Mx	.025	1
28	MP2B	X	26.922	5
29	MP2B	Z	-15.543	5
30	MP2B	Mx	.025	5
31	MP2C	X	32.006	1
32	MP2C	Z	-18.479	1
33	MP2C	Mx	-.032	1
34	MP2C	X	32.006	5
35	MP2C	Z	-18.479	5
36	MP2C	Mx	-.032	5
37	MP4A	X	9.24	2
38	MP4A	Z	-5.335	2
39	MP4A	Mx	-.005	2
40	MP4A	X	9.24	4
41	MP4A	Z	-5.335	4
42	MP4A	Mx	-.005	4
43	MP4B	X	9.24	2
44	MP4B	Z	-5.335	2
45	MP4B	Mx	.005	2
46	MP4B	X	9.24	4
47	MP4B	Z	-5.335	4
48	MP4B	Mx	.005	4
49	MP4C	X	15.15	2
50	MP4C	Z	-8.747	2
51	MP4C	Mx	-.003	2
52	MP4C	X	15.15	4
53	MP4C	Z	-8.747	4
54	MP4C	Mx	-.003	4
55	MP2A	X	10.546	3
56	MP2A	Z	-6.089	3
57	MP2A	Mx	.005	3
58	MP2B	X	10.546	3
59	MP2B	Z	-6.089	3
60	MP2B	Mx	-.005	3
61	MP2C	X	13.186	3
62	MP2C	Z	-7.613	3
63	MP2C	Mx	.003	3
64	MP3A	X	9.358	3
65	MP3A	Z	-5.403	3
66	MP3A	Mx	.005	3
67	MP3B	X	9.358	3
68	MP3B	Z	-5.403	3
69	MP3B	Mx	-.005	3
70	MP3C	X	13	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
71	MP3C	Z	-7.506	3
72	MP3C	Mx	.003	3
73	M107	X	18.008	1.25
74	M107	Z	-10.397	1.25
75	M107	Mx	0	1.25
76	MP1A	X	13.038	1.5
77	MP1A	Z	-7.528	1.5
78	MP1A	Mx	-.007	1.5
79	MP1A	X	13.038	4.5
80	MP1A	Z	-7.528	4.5
81	MP1A	Mx	-.007	4.5
82	MP1B	X	13.038	1.5
83	MP1B	Z	-7.528	1.5
84	MP1B	Mx	.007	1.5
85	MP1B	X	13.038	4.5
86	MP1B	Z	-7.528	4.5
87	MP1B	Mx	.007	4.5
88	MP1C	X	10.191	1.5
89	MP1C	Z	-5.884	1.5
90	MP1C	Mx	-.002	1.5
91	MP1C	X	10.191	4.5
92	MP1C	Z	-5.884	4.5
93	MP1C	Mx	-.002	4.5
94	MP5A	X	13.038	1.5
95	MP5A	Z	-7.528	1.5
96	MP5A	Mx	-.007	1.5
97	MP5A	X	13.038	4.5
98	MP5A	Z	-7.528	4.5
99	MP5A	Mx	-.007	4.5
100	MP5B	X	13.038	1.5
101	MP5B	Z	-7.528	1.5
102	MP5B	Mx	.007	1.5
103	MP5B	X	13.038	4.5
104	MP5B	Z	-7.528	4.5
105	MP5B	Mx	.007	4.5
106	MP5C	X	10.191	1.5
107	MP5C	Z	-5.884	1.5
108	MP5C	Mx	-.002	1.5
109	MP5C	X	10.191	4.5
110	MP5C	Z	-5.884	4.5
111	MP5C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	28.768	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.014	1
4	MP2A	X	28.768	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.014	5
7	MP2B	X	35.723	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.014	1
10	MP2B	X	35.723	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.014	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
13	MP2C	X	37.762	1
14	MP2C	Z	0	1
15	MP2C	Mx	.031	1
16	MP2C	X	37.762	5
17	MP2C	Z	0	5
18	MP2C	Mx	.031	5
19	MP2A	X	28.768	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.014	1
22	MP2A	X	28.768	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.014	5
25	MP2B	X	35.723	1
26	MP2B	Z	0	1
27	MP2B	Mx	.032	1
28	MP2B	X	35.723	5
29	MP2B	Z	0	5
30	MP2B	Mx	.032	5
31	MP2C	X	37.762	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.025	1
34	MP2C	X	37.762	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.025	5
37	MP4A	X	7.975	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.975	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.004	4
43	MP4B	X	16.06	2
44	MP4B	Z	0	2
45	MP4B	Mx	.004	2
46	MP4B	X	16.06	4
47	MP4B	Z	0	4
48	MP4B	Mx	.004	4
49	MP4C	X	18.43	2
50	MP4C	Z	0	2
51	MP4C	Mx	.002	2
52	MP4C	X	18.43	4
53	MP4C	Z	0	4
54	MP4C	Mx	.002	4
55	MP2A	X	10.974	3
56	MP2A	Z	0	3
57	MP2A	Mx	.005	3
58	MP2B	X	14.585	3
59	MP2B	Z	0	3
60	MP2B	Mx	-.004	3
61	MP2C	X	15.644	3
62	MP2C	Z	0	3
63	MP2C	Mx	-.001	3
64	MP3A	X	9.144	3
65	MP3A	Z	0	3
66	MP3A	Mx	.005	3
67	MP3B	X	14.128	3
68	MP3B	Z	0	3
69	MP3B	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
70	MP3C	X	15.588	3
71	MP3C	Z	0	3
72	MP3C	Mx	-.001	3
73	M107	X	23.201	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	16.353	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	-.008	1.5
79	MP1A	X	16.353	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.008	4.5
82	MP1B	X	12.459	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	.003	1.5
85	MP1B	X	12.459	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	.003	4.5
88	MP1C	X	11.317	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.000983	1.5
91	MP1C	X	11.317	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	.000983	4.5
94	MP5A	X	16.353	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	-.008	1.5
97	MP5A	X	16.353	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	-.008	4.5
100	MP5B	X	12.459	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	.003	1.5
103	MP5B	X	12.459	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	.003	4.5
106	MP5C	X	11.317	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	.000983	1.5
109	MP5C	X	11.317	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	.000983	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	26.922	1
2	MP2A	Z	15.543	1
3	MP2A	Mx	-.002	1
4	MP2A	X	26.922	5
5	MP2A	Z	15.543	5
6	MP2A	Mx	-.002	5
7	MP2B	X	32.945	1
8	MP2B	Z	19.021	1
9	MP2B	Mx	-.029	1
10	MP2B	X	32.945	5
11	MP2B	Z	19.021	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	-.029	5
13	MP2C	X	29.627	1
14	MP2C	Z	17.105	1
15	MP2C	Mx	.031	1
16	MP2C	X	29.627	5
17	MP2C	Z	17.105	5
18	MP2C	Mx	.031	5
19	MP2A	X	26.922	1
20	MP2A	Z	15.543	1
21	MP2A	Mx	-.025	1
22	MP2A	X	26.922	5
23	MP2A	Z	15.543	5
24	MP2A	Mx	-.025	5
25	MP2B	X	32.945	1
26	MP2B	Z	19.021	1
27	MP2B	Mx	.029	1
28	MP2B	X	32.945	5
29	MP2B	Z	19.021	5
30	MP2B	Mx	.029	5
31	MP2C	X	29.627	1
32	MP2C	Z	17.105	1
33	MP2C	Mx	-.009	1
34	MP2C	X	29.627	5
35	MP2C	Z	17.105	5
36	MP2C	Mx	-.009	5
37	MP4A	X	9.24	2
38	MP4A	Z	5.335	2
39	MP4A	Mx	-.005	2
40	MP4A	X	9.24	4
41	MP4A	Z	5.335	4
42	MP4A	Mx	-.005	4
43	MP4B	X	16.242	2
44	MP4B	Z	9.377	2
45	MP4B	Mx	0	2
46	MP4B	X	16.242	4
47	MP4B	Z	9.377	4
48	MP4B	Mx	0	4
49	MP4C	X	12.385	2
50	MP4C	Z	7.15	2
51	MP4C	Mx	.005	2
52	MP4C	X	12.385	4
53	MP4C	Z	7.15	4
54	MP4C	Mx	.005	4
55	MP2A	X	10.546	3
56	MP2A	Z	6.089	3
57	MP2A	Mx	.005	3
58	MP2B	X	13.674	3
59	MP2B	Z	7.894	3
60	MP2B	Mx	0	3
61	MP2C	X	11.951	3
62	MP2C	Z	6.9	3
63	MP2C	Mx	-.004	3
64	MP3A	X	9.358	3
65	MP3A	Z	5.403	3
66	MP3A	Mx	.005	3
67	MP3B	X	13.674	3
68	MP3B	Z	7.894	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
69	MP3B	Mx	0	3
70	MP3C	X	11.296	3
71	MP3C	Z	6.522	3
72	MP3C	Mx	-.004	3
73	M107	X	24.262	1.25
74	M107	Z	14.008	1.25
75	M107	Mx	0	1.25
76	MP1A	X	13.038	1.5
77	MP1A	Z	7.528	1.5
78	MP1A	Mx	-.007	1.5
79	MP1A	X	13.038	4.5
80	MP1A	Z	7.528	4.5
81	MP1A	Mx	-.007	4.5
82	MP1B	X	9.665	1.5
83	MP1B	Z	5.58	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	9.665	4.5
86	MP1B	Z	5.58	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	11.523	1.5
89	MP1C	Z	6.653	1.5
90	MP1C	Mx	.004	1.5
91	MP1C	X	11.523	4.5
92	MP1C	Z	6.653	4.5
93	MP1C	Mx	.004	4.5
94	MP5A	X	13.038	1.5
95	MP5A	Z	7.528	1.5
96	MP5A	Mx	-.007	1.5
97	MP5A	X	13.038	4.5
98	MP5A	Z	7.528	4.5
99	MP5A	Mx	-.007	4.5
100	MP5B	X	9.665	1.5
101	MP5B	Z	5.58	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	9.665	4.5
104	MP5B	Z	5.58	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	11.523	1.5
107	MP5C	Z	6.653	1.5
108	MP5C	Mx	.004	1.5
109	MP5C	X	11.523	4.5
110	MP5C	Z	6.653	4.5
111	MP5C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	17.862	1
2	MP2A	Z	30.937	1
3	MP2A	Mx	.014	1
4	MP2A	X	17.862	5
5	MP2A	Z	30.937	5
6	MP2A	Mx	.014	5
7	MP2B	X	17.862	1
8	MP2B	Z	30.937	1
9	MP2B	Mx	-.032	1
10	MP2B	X	17.862	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
11	MP2B	Z	30.937	5
12	MP2B	Mx	-.032	5
13	MP2C	X	14.926	1
14	MP2C	Z	25.853	1
15	MP2C	Mx	.022	1
16	MP2C	X	14.926	5
17	MP2C	Z	25.853	5
18	MP2C	Mx	.022	5
19	MP2A	X	17.862	1
20	MP2A	Z	30.937	1
21	MP2A	Mx	-.032	1
22	MP2A	X	17.862	5
23	MP2A	Z	30.937	5
24	MP2A	Mx	-.032	5
25	MP2B	X	17.862	1
26	MP2B	Z	30.937	1
27	MP2B	Mx	.014	1
28	MP2B	X	17.862	5
29	MP2B	Z	30.937	5
30	MP2B	Mx	.014	5
31	MP2C	X	14.926	1
32	MP2C	Z	25.853	1
33	MP2C	Mx	.006	1
34	MP2C	X	14.926	5
35	MP2C	Z	25.853	5
36	MP2C	Mx	.006	5
37	MP4A	X	8.03	2
38	MP4A	Z	13.908	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.03	4
41	MP4A	Z	13.908	4
42	MP4A	Mx	-.004	4
43	MP4B	X	8.03	2
44	MP4B	Z	13.908	2
45	MP4B	Mx	-.004	2
46	MP4B	X	8.03	4
47	MP4B	Z	13.908	4
48	MP4B	Mx	-.004	4
49	MP4C	X	4.618	2
50	MP4C	Z	7.999	2
51	MP4C	Mx	.004	2
52	MP4C	X	4.618	4
53	MP4C	Z	7.999	4
54	MP4C	Mx	.004	4
55	MP2A	X	7.293	3
56	MP2A	Z	12.631	3
57	MP2A	Mx	.004	3
58	MP2B	X	7.293	3
59	MP2B	Z	12.631	3
60	MP2B	Mx	.004	3
61	MP2C	X	5.768	3
62	MP2C	Z	9.991	3
63	MP2C	Mx	-.005	3
64	MP3A	X	7.064	3
65	MP3A	Z	12.235	3
66	MP3A	Mx	.004	3
67	MP3B	X	7.064	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
68	MP3B	Z	12.235	3
69	MP3B	Mx	.004	3
70	MP3C	X	4.961	3
71	MP3C	Z	8.592	3
72	MP3C	Mx	-.005	3
73	M107	X	15.212	1.25
74	M107	Z	26.347	1.25
75	M107	Mx	0	1.25
76	MP1A	X	6.229	1.5
77	MP1A	Z	10.79	1.5
78	MP1A	Mx	-.003	1.5
79	MP1A	X	6.229	4.5
80	MP1A	Z	10.79	4.5
81	MP1A	Mx	-.003	4.5
82	MP1B	X	6.229	1.5
83	MP1B	Z	10.79	1.5
84	MP1B	Mx	-.003	1.5
85	MP1B	X	6.229	4.5
86	MP1B	Z	10.79	4.5
87	MP1B	Mx	-.003	4.5
88	MP1C	X	7.873	1.5
89	MP1C	Z	13.636	1.5
90	MP1C	Mx	.007	1.5
91	MP1C	X	7.873	4.5
92	MP1C	Z	13.636	4.5
93	MP1C	Mx	.007	4.5
94	MP5A	X	6.229	1.5
95	MP5A	Z	10.79	1.5
96	MP5A	Mx	-.003	1.5
97	MP5A	X	6.229	4.5
98	MP5A	Z	10.79	4.5
99	MP5A	Mx	-.003	4.5
100	MP5B	X	6.229	1.5
101	MP5B	Z	10.79	1.5
102	MP5B	Mx	-.003	1.5
103	MP5B	X	6.229	4.5
104	MP5B	Z	10.79	4.5
105	MP5B	Mx	-.003	4.5
106	MP5C	X	7.873	1.5
107	MP5C	Z	13.636	1.5
108	MP5C	Mx	.007	1.5
109	MP5C	X	7.873	4.5
110	MP5C	Z	13.636	4.5
111	MP5C	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	1
2	MP2A	Z	38.042	1
3	MP2A	Mx	.029	1
4	MP2A	X	0	5
5	MP2A	Z	38.042	5
6	MP2A	Mx	.029	5
7	MP2B	X	0	1
8	MP2B	Z	31.087	1
9	MP2B	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP2B	X	0	5
11	MP2B	Z	31.087	5
12	MP2B	Mx	-.025	5
13	MP2C	X	0	1
14	MP2C	Z	29.048	1
15	MP2C	Mx	.011	1
16	MP2C	X	0	5
17	MP2C	Z	29.048	5
18	MP2C	Mx	.011	5
19	MP2A	X	0	1
20	MP2A	Z	38.042	1
21	MP2A	Mx	-.029	1
22	MP2A	X	0	5
23	MP2A	Z	38.042	5
24	MP2A	Mx	-.029	5
25	MP2B	X	0	1
26	MP2B	Z	31.087	1
27	MP2B	Mx	-.002	1
28	MP2B	X	0	5
29	MP2B	Z	31.087	5
30	MP2B	Mx	-.002	5
31	MP2C	X	0	1
32	MP2C	Z	29.048	1
33	MP2C	Mx	.018	1
34	MP2C	X	0	5
35	MP2C	Z	29.048	5
36	MP2C	Mx	.018	5
37	MP4A	X	0	2
38	MP4A	Z	18.755	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	18.755	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	10.67	2
45	MP4B	Mx	-.005	2
46	MP4B	X	0	4
47	MP4B	Z	10.67	4
48	MP4B	Mx	-.005	4
49	MP4C	X	0	2
50	MP4C	Z	8.3	2
51	MP4C	Mx	.004	2
52	MP4C	X	0	4
53	MP4C	Z	8.3	4
54	MP4C	Mx	.004	4
55	MP2A	X	0	3
56	MP2A	Z	15.789	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	12.178	3
60	MP2B	Mx	.005	3
61	MP2C	X	0	3
62	MP2C	Z	11.119	3
63	MP2C	Mx	-.005	3
64	MP3A	X	0	3
65	MP3A	Z	15.789	3
66	MP3A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
67	MP3B	X	0	3
68	MP3B	Z	10.805	3
69	MP3B	Mx	.005	3
70	MP3C	X	0	3
71	MP3C	Z	9.344	3
72	MP3C	Mx	-.005	3
73	M107	X	0	1.25
74	M107	Z	28.016	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	11.161	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	11.161	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	15.055	1.5
84	MP1B	Mx	-.007	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	15.055	4.5
87	MP1B	Mx	-.007	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	16.197	1.5
90	MP1C	Mx	.008	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	16.197	4.5
93	MP1C	Mx	.008	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	11.161	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	11.161	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	15.055	1.5
102	MP5B	Mx	-.007	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	15.055	4.5
105	MP5B	Mx	-.007	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	16.197	1.5
108	MP5C	Mx	.008	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	16.197	4.5
111	MP5C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-17.862	1
2	MP2A	Z	30.937	1
3	MP2A	Mx	.032	1
4	MP2A	X	-17.862	5
5	MP2A	Z	30.937	5
6	MP2A	Mx	.032	5
7	MP2B	X	-14.384	1
8	MP2B	Z	24.914	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
9	MP2B	Mx	-.014	1
10	MP2B	X	-14.384	5
11	MP2B	Z	24.914	5
12	MP2B	Mx	-.014	5
13	MP2C	X	-16.3	1
14	MP2C	Z	28.232	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-16.3	5
17	MP2C	Z	28.232	5
18	MP2C	Mx	-.003	5
19	MP2A	X	-17.862	1
20	MP2A	Z	30.937	1
21	MP2A	Mx	-.014	1
22	MP2A	X	-17.862	5
23	MP2A	Z	30.937	5
24	MP2A	Mx	-.014	5
25	MP2B	X	-14.384	1
26	MP2B	Z	24.914	1
27	MP2B	Mx	-.014	1
28	MP2B	X	-14.384	5
29	MP2B	Z	24.914	5
30	MP2B	Mx	-.014	5
31	MP2C	X	-16.3	1
32	MP2C	Z	28.232	1
33	MP2C	Mx	.028	1
34	MP2C	X	-16.3	5
35	MP2C	Z	28.232	5
36	MP2C	Mx	.028	5
37	MP4A	X	-8.03	2
38	MP4A	Z	13.908	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.03	4
41	MP4A	Z	13.908	4
42	MP4A	Mx	.004	4
43	MP4B	X	-3.987	2
44	MP4B	Z	6.906	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-3.987	4
47	MP4B	Z	6.906	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-6.214	2
50	MP4C	Z	10.764	2
51	MP4C	Mx	.005	2
52	MP4C	X	-6.214	4
53	MP4C	Z	10.764	4
54	MP4C	Mx	.005	4
55	MP2A	X	-7.293	3
56	MP2A	Z	12.631	3
57	MP2A	Mx	-.004	3
58	MP2B	X	-5.487	3
59	MP2B	Z	9.504	3
60	MP2B	Mx	.005	3
61	MP2C	X	-6.482	3
62	MP2C	Z	11.226	3
63	MP2C	Mx	-.005	3
64	MP3A	X	-7.064	3
65	MP3A	Z	12.235	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP3A	Mx	-0.004	3
67	MP3B	X	-4.572	3
68	MP3B	Z	7.919	3
69	MP3B	Mx	.005	3
70	MP3C	X	-5.945	3
71	MP3C	Z	10.297	3
72	MP3C	Mx	-.005	3
73	M107	X	-11.6	1.25
74	M107	Z	20.093	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-6.229	1.5
77	MP1A	Z	10.79	1.5
78	MP1A	Mx	.003	1.5
79	MP1A	X	-6.229	4.5
80	MP1A	Z	10.79	4.5
81	MP1A	Mx	.003	4.5
82	MP1B	X	-8.177	1.5
83	MP1B	Z	14.162	1.5
84	MP1B	Mx	-.008	1.5
85	MP1B	X	-8.177	4.5
86	MP1B	Z	14.162	4.5
87	MP1B	Mx	-.008	4.5
88	MP1C	X	-7.104	1.5
89	MP1C	Z	12.304	1.5
90	MP1C	Mx	.005	1.5
91	MP1C	X	-7.104	4.5
92	MP1C	Z	12.304	4.5
93	MP1C	Mx	.005	4.5
94	MP5A	X	-6.229	1.5
95	MP5A	Z	10.79	1.5
96	MP5A	Mx	.003	1.5
97	MP5A	X	-6.229	4.5
98	MP5A	Z	10.79	4.5
99	MP5A	Mx	.003	4.5
100	MP5B	X	-8.177	1.5
101	MP5B	Z	14.162	1.5
102	MP5B	Mx	-.008	1.5
103	MP5B	X	-8.177	4.5
104	MP5B	Z	14.162	4.5
105	MP5B	Mx	-.008	4.5
106	MP5C	X	-7.104	1.5
107	MP5C	Z	12.304	1.5
108	MP5C	Mx	.005	1.5
109	MP5C	X	-7.104	4.5
110	MP5C	Z	12.304	4.5
111	MP5C	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-26.922	1
2	MP2A	Z	15.543	1
3	MP2A	Mx	.025	1
4	MP2A	X	-26.922	5
5	MP2A	Z	15.543	5
6	MP2A	Mx	.025	5
7	MP2B	X	-26.922	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
8	MP2B	Z	15.543	1
9	MP2B	Mx	-.002	1
10	MP2B	X	-26.922	5
11	MP2B	Z	15.543	5
12	MP2B	Mx	-.002	5
13	MP2C	X	-32.006	1
14	MP2C	Z	18.479	1
15	MP2C	Mx	-.02	1
16	MP2C	X	-32.006	5
17	MP2C	Z	18.479	5
18	MP2C	Mx	-.02	5
19	MP2A	X	-26.922	1
20	MP2A	Z	15.543	1
21	MP2A	Mx	.002	1
22	MP2A	X	-26.922	5
23	MP2A	Z	15.543	5
24	MP2A	Mx	.002	5
25	MP2B	X	-26.922	1
26	MP2B	Z	15.543	1
27	MP2B	Mx	-.025	1
28	MP2B	X	-26.922	5
29	MP2B	Z	15.543	5
30	MP2B	Mx	-.025	5
31	MP2C	X	-32.006	1
32	MP2C	Z	18.479	1
33	MP2C	Mx	.032	1
34	MP2C	X	-32.006	5
35	MP2C	Z	18.479	5
36	MP2C	Mx	.032	5
37	MP4A	X	-9.24	2
38	MP4A	Z	5.335	2
39	MP4A	Mx	.005	2
40	MP4A	X	-9.24	4
41	MP4A	Z	5.335	4
42	MP4A	Mx	.005	4
43	MP4B	X	-9.24	2
44	MP4B	Z	5.335	2
45	MP4B	Mx	-.005	2
46	MP4B	X	-9.24	4
47	MP4B	Z	5.335	4
48	MP4B	Mx	-.005	4
49	MP4C	X	-15.15	2
50	MP4C	Z	8.747	2
51	MP4C	Mx	.003	2
52	MP4C	X	-15.15	4
53	MP4C	Z	8.747	4
54	MP4C	Mx	.003	4
55	MP2A	X	-10.546	3
56	MP2A	Z	6.089	3
57	MP2A	Mx	-.005	3
58	MP2B	X	-10.546	3
59	MP2B	Z	6.089	3
60	MP2B	Mx	.005	3
61	MP2C	X	-13.186	3
62	MP2C	Z	7.613	3
63	MP2C	Mx	-.003	3
64	MP3A	X	-9.358	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
65	MP3A	Z	5.403	3
66	MP3A	Mx	-0.005	3
67	MP3B	X	-9.358	3
68	MP3B	Z	5.403	3
69	MP3B	Mx	.005	3
70	MP3C	X	-13	3
71	MP3C	Z	7.506	3
72	MP3C	Mx	-0.003	3
73	M107	X	-18.008	1.25
74	M107	Z	10.397	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-13.038	1.5
77	MP1A	Z	7.528	1.5
78	MP1A	Mx	.007	1.5
79	MP1A	X	-13.038	4.5
80	MP1A	Z	7.528	4.5
81	MP1A	Mx	.007	4.5
82	MP1B	X	-13.038	1.5
83	MP1B	Z	7.528	1.5
84	MP1B	Mx	-0.007	1.5
85	MP1B	X	-13.038	4.5
86	MP1B	Z	7.528	4.5
87	MP1B	Mx	-0.007	4.5
88	MP1C	X	-10.191	1.5
89	MP1C	Z	5.884	1.5
90	MP1C	Mx	.002	1.5
91	MP1C	X	-10.191	4.5
92	MP1C	Z	5.884	4.5
93	MP1C	Mx	.002	4.5
94	MP5A	X	-13.038	1.5
95	MP5A	Z	7.528	1.5
96	MP5A	Mx	.007	1.5
97	MP5A	X	-13.038	4.5
98	MP5A	Z	7.528	4.5
99	MP5A	Mx	.007	4.5
100	MP5B	X	-13.038	1.5
101	MP5B	Z	7.528	1.5
102	MP5B	Mx	-0.007	1.5
103	MP5B	X	-13.038	4.5
104	MP5B	Z	7.528	4.5
105	MP5B	Mx	-0.007	4.5
106	MP5C	X	-10.191	1.5
107	MP5C	Z	5.884	1.5
108	MP5C	Mx	.002	1.5
109	MP5C	X	-10.191	4.5
110	MP5C	Z	5.884	4.5
111	MP5C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-28.768	1
2	MP2A	Z	0	1
3	MP2A	Mx	.014	1
4	MP2A	X	-28.768	5
5	MP2A	Z	0	5
6	MP2A	Mx	.014	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
7	MP2B	X	-35.723	1
8	MP2B	Z	0	1
9	MP2B	Mx	.014	1
10	MP2B	X	-35.723	5
11	MP2B	Z	0	5
12	MP2B	Mx	.014	5
13	MP2C	X	-37.762	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.031	1
16	MP2C	X	-37.762	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.031	5
19	MP2A	X	-28.768	1
20	MP2A	Z	0	1
21	MP2A	Mx	.014	1
22	MP2A	X	-28.768	5
23	MP2A	Z	0	5
24	MP2A	Mx	.014	5
25	MP2B	X	-35.723	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.032	1
28	MP2B	X	-35.723	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.032	5
31	MP2C	X	-37.762	1
32	MP2C	Z	0	1
33	MP2C	Mx	.025	1
34	MP2C	X	-37.762	5
35	MP2C	Z	0	5
36	MP2C	Mx	.025	5
37	MP4A	X	-7.975	2
38	MP4A	Z	0	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.975	4
41	MP4A	Z	0	4
42	MP4A	Mx	.004	4
43	MP4B	X	-16.06	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-16.06	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-18.43	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.002	2
52	MP4C	X	-18.43	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.002	4
55	MP2A	X	-10.974	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.005	3
58	MP2B	X	-14.585	3
59	MP2B	Z	0	3
60	MP2B	Mx	.004	3
61	MP2C	X	-15.644	3
62	MP2C	Z	0	3
63	MP2C	Mx	.001	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP3A	X	-9.144	3
65	MP3A	Z	0	3
66	MP3A	Mx	-.005	3
67	MP3B	X	-14.128	3
68	MP3B	Z	0	3
69	MP3B	Mx	.004	3
70	MP3C	X	-15.588	3
71	MP3C	Z	0	3
72	MP3C	Mx	.001	3
73	M107	X	-23.201	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-16.353	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	.008	1.5
79	MP1A	X	-16.353	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.008	4.5
82	MP1B	X	-12.459	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	-.003	1.5
85	MP1B	X	-12.459	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	-.003	4.5
88	MP1C	X	-11.317	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.000983	1.5
91	MP1C	X	-11.317	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	-.000983	4.5
94	MP5A	X	-16.353	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	.008	1.5
97	MP5A	X	-16.353	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	.008	4.5
100	MP5B	X	-12.459	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	-.003	1.5
103	MP5B	X	-12.459	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	-.003	4.5
106	MP5C	X	-11.317	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	-.000983	1.5
109	MP5C	X	-11.317	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	-.000983	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-26.922	1
2	MP2A	Z	-15.543	1
3	MP2A	Mx	.002	1
4	MP2A	X	-26.922	5
5	MP2A	Z	-15.543	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP2A	Mx	.002	5
7	MP2B	X	-32.945	1
8	MP2B	Z	-19.021	1
9	MP2B	Mx	.029	1
10	MP2B	X	-32.945	5
11	MP2B	Z	-19.021	5
12	MP2B	Mx	.029	5
13	MP2C	X	-29.627	1
14	MP2C	Z	-17.105	1
15	MP2C	Mx	-.031	1
16	MP2C	X	-29.627	5
17	MP2C	Z	-17.105	5
18	MP2C	Mx	-.031	5
19	MP2A	X	-26.922	1
20	MP2A	Z	-15.543	1
21	MP2A	Mx	.025	1
22	MP2A	X	-26.922	5
23	MP2A	Z	-15.543	5
24	MP2A	Mx	.025	5
25	MP2B	X	-32.945	1
26	MP2B	Z	-19.021	1
27	MP2B	Mx	-.029	1
28	MP2B	X	-32.945	5
29	MP2B	Z	-19.021	5
30	MP2B	Mx	-.029	5
31	MP2C	X	-29.627	1
32	MP2C	Z	-17.105	1
33	MP2C	Mx	.009	1
34	MP2C	X	-29.627	5
35	MP2C	Z	-17.105	5
36	MP2C	Mx	.009	5
37	MP4A	X	-9.24	2
38	MP4A	Z	-5.335	2
39	MP4A	Mx	.005	2
40	MP4A	X	-9.24	4
41	MP4A	Z	-5.335	4
42	MP4A	Mx	.005	4
43	MP4B	X	-16.242	2
44	MP4B	Z	-9.377	2
45	MP4B	Mx	0	2
46	MP4B	X	-16.242	4
47	MP4B	Z	-9.377	4
48	MP4B	Mx	0	4
49	MP4C	X	-12.385	2
50	MP4C	Z	-7.15	2
51	MP4C	Mx	-.005	2
52	MP4C	X	-12.385	4
53	MP4C	Z	-7.15	4
54	MP4C	Mx	-.005	4
55	MP2A	X	-10.546	3
56	MP2A	Z	-6.089	3
57	MP2A	Mx	-.005	3
58	MP2B	X	-13.674	3
59	MP2B	Z	-7.894	3
60	MP2B	Mx	0	3
61	MP2C	X	-11.951	3
62	MP2C	Z	-6.9	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
63	MP2C	Mx	.004	3
64	MP3A	X	-9.358	3
65	MP3A	Z	-5.403	3
66	MP3A	Mx	-.005	3
67	MP3B	X	-13.674	3
68	MP3B	Z	-7.894	3
69	MP3B	Mx	0	3
70	MP3C	X	-11.296	3
71	MP3C	Z	-6.522	3
72	MP3C	Mx	.004	3
73	M107	X	-24.262	1.25
74	M107	Z	-14.008	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-13.038	1.5
77	MP1A	Z	-7.528	1.5
78	MP1A	Mx	.007	1.5
79	MP1A	X	-13.038	4.5
80	MP1A	Z	-7.528	4.5
81	MP1A	Mx	.007	4.5
82	MP1B	X	-9.665	1.5
83	MP1B	Z	-5.58	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	-9.665	4.5
86	MP1B	Z	-5.58	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	-11.523	1.5
89	MP1C	Z	-6.653	1.5
90	MP1C	Mx	-.004	1.5
91	MP1C	X	-11.523	4.5
92	MP1C	Z	-6.653	4.5
93	MP1C	Mx	-.004	4.5
94	MP5A	X	-13.038	1.5
95	MP5A	Z	-7.528	1.5
96	MP5A	Mx	.007	1.5
97	MP5A	X	-13.038	4.5
98	MP5A	Z	-7.528	4.5
99	MP5A	Mx	.007	4.5
100	MP5B	X	-9.665	1.5
101	MP5B	Z	-5.58	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	-9.665	4.5
104	MP5B	Z	-5.58	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	-11.523	1.5
107	MP5C	Z	-6.653	1.5
108	MP5C	Mx	-.004	1.5
109	MP5C	X	-11.523	4.5
110	MP5C	Z	-6.653	4.5
111	MP5C	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP2A	X	-17.862	1
2	MP2A	Z	-30.937	1
3	MP2A	Mx	-.014	1
4	MP2A	X	-17.862	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
5	MP2A	Z	-30.937	5
6	MP2A	Mx	-.014	5
7	MP2B	X	-17.862	1
8	MP2B	Z	-30.937	1
9	MP2B	Mx	.032	1
10	MP2B	X	-17.862	5
11	MP2B	Z	-30.937	5
12	MP2B	Mx	.032	5
13	MP2C	X	-14.926	1
14	MP2C	Z	-25.853	1
15	MP2C	Mx	-.022	1
16	MP2C	X	-14.926	5
17	MP2C	Z	-25.853	5
18	MP2C	Mx	-.022	5
19	MP2A	X	-17.862	1
20	MP2A	Z	-30.937	1
21	MP2A	Mx	.032	1
22	MP2A	X	-17.862	5
23	MP2A	Z	-30.937	5
24	MP2A	Mx	.032	5
25	MP2B	X	-17.862	1
26	MP2B	Z	-30.937	1
27	MP2B	Mx	-.014	1
28	MP2B	X	-17.862	5
29	MP2B	Z	-30.937	5
30	MP2B	Mx	-.014	5
31	MP2C	X	-14.926	1
32	MP2C	Z	-25.853	1
33	MP2C	Mx	-.006	1
34	MP2C	X	-14.926	5
35	MP2C	Z	-25.853	5
36	MP2C	Mx	-.006	5
37	MP4A	X	-8.03	2
38	MP4A	Z	-13.908	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.03	4
41	MP4A	Z	-13.908	4
42	MP4A	Mx	.004	4
43	MP4B	X	-8.03	2
44	MP4B	Z	-13.908	2
45	MP4B	Mx	.004	2
46	MP4B	X	-8.03	4
47	MP4B	Z	-13.908	4
48	MP4B	Mx	.004	4
49	MP4C	X	-4.618	2
50	MP4C	Z	-7.999	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-4.618	4
53	MP4C	Z	-7.999	4
54	MP4C	Mx	-.004	4
55	MP2A	X	-7.293	3
56	MP2A	Z	-12.631	3
57	MP2A	Mx	-.004	3
58	MP2B	X	-7.293	3
59	MP2B	Z	-12.631	3
60	MP2B	Mx	-.004	3
61	MP2C	X	-5.768	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
62	MP2C	Z	-9.991	3
63	MP2C	Mx	.005	3
64	MP3A	X	-7.064	3
65	MP3A	Z	-12.235	3
66	MP3A	Mx	-.004	3
67	MP3B	X	-7.064	3
68	MP3B	Z	-12.235	3
69	MP3B	Mx	-.004	3
70	MP3C	X	-4.961	3
71	MP3C	Z	-8.592	3
72	MP3C	Mx	.005	3
73	M107	X	-15.212	1.25
74	M107	Z	-26.347	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-6.229	1.5
77	MP1A	Z	-10.79	1.5
78	MP1A	Mx	.003	1.5
79	MP1A	X	-6.229	4.5
80	MP1A	Z	-10.79	4.5
81	MP1A	Mx	.003	4.5
82	MP1B	X	-6.229	1.5
83	MP1B	Z	-10.79	1.5
84	MP1B	Mx	.003	1.5
85	MP1B	X	-6.229	4.5
86	MP1B	Z	-10.79	4.5
87	MP1B	Mx	.003	4.5
88	MP1C	X	-7.873	1.5
89	MP1C	Z	-13.636	1.5
90	MP1C	Mx	-.007	1.5
91	MP1C	X	-7.873	4.5
92	MP1C	Z	-13.636	4.5
93	MP1C	Mx	-.007	4.5
94	MP5A	X	-6.229	1.5
95	MP5A	Z	-10.79	1.5
96	MP5A	Mx	.003	1.5
97	MP5A	X	-6.229	4.5
98	MP5A	Z	-10.79	4.5
99	MP5A	Mx	.003	4.5
100	MP5B	X	-6.229	1.5
101	MP5B	Z	-10.79	1.5
102	MP5B	Mx	.003	1.5
103	MP5B	X	-6.229	4.5
104	MP5B	Z	-10.79	4.5
105	MP5B	Mx	.003	4.5
106	MP5C	X	-7.873	1.5
107	MP5C	Z	-13.636	1.5
108	MP5C	Mx	-.007	1.5
109	MP5C	X	-7.873	4.5
110	MP5C	Z	-13.636	4.5
111	MP5C	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-12.581	1
3	MP2A	Mx	-.009	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP2A	X	0	5
5	MP2A	Z	-12.581	5
6	MP2A	Mx	-.009	5
7	MP2B	X	0	1
8	MP2B	Z	-10.16	1
9	MP2B	Mx	.008	1
10	MP2B	X	0	5
11	MP2B	Z	-10.16	5
12	MP2B	Mx	.008	5
13	MP2C	X	0	1
14	MP2C	Z	-9.451	1
15	MP2C	Mx	-.003	1
16	MP2C	X	0	5
17	MP2C	Z	-9.451	5
18	MP2C	Mx	-.003	5
19	MP2A	X	0	1
20	MP2A	Z	-12.581	1
21	MP2A	Mx	.009	1
22	MP2A	X	0	5
23	MP2A	Z	-12.581	5
24	MP2A	Mx	.009	5
25	MP2B	X	0	1
26	MP2B	Z	-10.16	1
27	MP2B	Mx	.000589	1
28	MP2B	X	0	5
29	MP2B	Z	-10.16	5
30	MP2B	Mx	.000589	5
31	MP2C	X	0	1
32	MP2C	Z	-9.451	1
33	MP2C	Mx	-.006	1
34	MP2C	X	0	5
35	MP2C	Z	-9.451	5
36	MP2C	Mx	-.006	5
37	MP4A	X	0	2
38	MP4A	Z	-5.991	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-5.991	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-3.257	2
45	MP4B	Mx	.001	2
46	MP4B	X	0	4
47	MP4B	Z	-3.257	4
48	MP4B	Mx	.001	4
49	MP4C	X	0	2
50	MP4C	Z	-2.455	2
51	MP4C	Mx	-.001	2
52	MP4C	X	0	4
53	MP4C	Z	-2.455	4
54	MP4C	Mx	-.001	4
55	MP2A	X	0	3
56	MP2A	Z	-4.767	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	-3.582	3
60	MP2B	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
61	MP2C	X	0	3
62	MP2C	Z	-3.234	3
63	MP2C	Mx	.002	3
64	MP3A	X	0	3
65	MP3A	Z	-4.767	3
66	MP3A	Mx	0	3
67	MP3B	X	0	3
68	MP3B	Z	-3.128	3
69	MP3B	Mx	-.001	3
70	MP3C	X	0	3
71	MP3C	Z	-2.647	3
72	MP3C	Mx	.001	3
73	M107	X	0	1.25
74	M107	Z	-8.845	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	-3.327	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	-3.327	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	-4.696	1.5
84	MP1B	Mx	.002	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	-4.696	4.5
87	MP1B	Mx	.002	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	-5.098	1.5
90	MP1C	Mx	-.003	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	-5.098	4.5
93	MP1C	Mx	-.003	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	-3.327	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	-3.327	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	-4.696	1.5
102	MP5B	Mx	.002	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	-4.696	4.5
105	MP5B	Mx	.002	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	-5.098	1.5
108	MP5C	Mx	-.003	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	-5.098	4.5
111	MP5C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	5.887	1
2	MP2A	Z	-10.197	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
3	MP2A	Mx	-.011	1
4	MP2A	X	5.887	5
5	MP2A	Z	-10.197	5
6	MP2A	Mx	-.011	5
7	MP2B	X	4.677	1
8	MP2B	Z	-8.1	1
9	MP2B	Mx	.005	1
10	MP2B	X	4.677	5
11	MP2B	Z	-8.1	5
12	MP2B	Mx	.005	5
13	MP2C	X	5.344	1
14	MP2C	Z	-9.255	1
15	MP2C	Mx	.001	1
16	MP2C	X	5.344	5
17	MP2C	Z	-9.255	5
18	MP2C	Mx	.001	5
19	MP2A	X	5.887	1
20	MP2A	Z	-10.197	1
21	MP2A	Mx	.005	1
22	MP2A	X	5.887	5
23	MP2A	Z	-10.197	5
24	MP2A	Mx	.005	5
25	MP2B	X	4.677	1
26	MP2B	Z	-8.1	1
27	MP2B	Mx	.005	1
28	MP2B	X	4.677	5
29	MP2B	Z	-8.1	5
30	MP2B	Mx	.005	5
31	MP2C	X	5.344	1
32	MP2C	Z	-9.255	1
33	MP2C	Mx	-.009	1
34	MP2C	X	5.344	5
35	MP2C	Z	-9.255	5
36	MP2C	Mx	-.009	5
37	MP4A	X	2.54	2
38	MP4A	Z	-4.399	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.54	4
41	MP4A	Z	-4.399	4
42	MP4A	Mx	-.001	4
43	MP4B	X	1.173	2
44	MP4B	Z	-2.031	2
45	MP4B	Mx	.001	2
46	MP4B	X	1.173	4
47	MP4B	Z	-2.031	4
48	MP4B	Mx	.001	4
49	MP4C	X	1.926	2
50	MP4C	Z	-3.336	2
51	MP4C	Mx	-.001	2
52	MP4C	X	1.926	4
53	MP4C	Z	-3.336	4
54	MP4C	Mx	-.001	4
55	MP2A	X	2.186	3
56	MP2A	Z	-3.786	3
57	MP2A	Mx	.001	3
58	MP2B	X	1.593	3
59	MP2B	Z	-2.76	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP2B	Mx	-.002	3
61	MP2C	X	1.92	3
62	MP2C	Z	-3.325	3
63	MP2C	Mx	.001	3
64	MP3A	X	2.11	3
65	MP3A	Z	-3.655	3
66	MP3A	Mx	.001	3
67	MP3B	X	1.291	3
68	MP3B	Z	-2.235	3
69	MP3B	Mx	-.001	3
70	MP3C	X	1.742	3
71	MP3C	Z	-3.018	3
72	MP3C	Mx	.001	3
73	M107	X	3.606	1.25
74	M107	Z	-6.246	1.25
75	M107	Mx	0	1.25
76	MP1A	X	1.892	1.5
77	MP1A	Z	-3.277	1.5
78	MP1A	Mx	-.000946	1.5
79	MP1A	X	1.892	4.5
80	MP1A	Z	-3.277	4.5
81	MP1A	Mx	-.000946	4.5
82	MP1B	X	2.577	1.5
83	MP1B	Z	-4.463	1.5
84	MP1B	Mx	.003	1.5
85	MP1B	X	2.577	4.5
86	MP1B	Z	-4.463	4.5
87	MP1B	Mx	.003	4.5
88	MP1C	X	2.199	1.5
89	MP1C	Z	-3.809	1.5
90	MP1C	Mx	-.002	1.5
91	MP1C	X	2.199	4.5
92	MP1C	Z	-3.809	4.5
93	MP1C	Mx	-.002	4.5
94	MP5A	X	1.892	1.5
95	MP5A	Z	-3.277	1.5
96	MP5A	Mx	-.000946	1.5
97	MP5A	X	1.892	4.5
98	MP5A	Z	-3.277	4.5
99	MP5A	Mx	-.000946	4.5
100	MP5B	X	2.577	1.5
101	MP5B	Z	-4.463	1.5
102	MP5B	Mx	.003	1.5
103	MP5B	X	2.577	4.5
104	MP5B	Z	-4.463	4.5
105	MP5B	Mx	.003	4.5
106	MP5C	X	2.199	1.5
107	MP5C	Z	-3.809	1.5
108	MP5C	Mx	-.002	1.5
109	MP5C	X	2.199	4.5
110	MP5C	Z	-3.809	4.5
111	MP5C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	8.799	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP2A	Z	-5.08	1
3	MP2A	Mx	-0.08	1
4	MP2A	X	8.799	5
5	MP2A	Z	-5.08	5
6	MP2A	Mx	-0.08	5
7	MP2B	X	8.799	1
8	MP2B	Z	-5.08	1
9	MP2B	Mx	.000589	1
10	MP2B	X	8.799	5
11	MP2B	Z	-5.08	5
12	MP2B	Mx	.000589	5
13	MP2C	X	10.569	1
14	MP2C	Z	-6.102	1
15	MP2C	Mx	.007	1
16	MP2C	X	10.569	5
17	MP2C	Z	-6.102	5
18	MP2C	Mx	.007	5
19	MP2A	X	8.799	1
20	MP2A	Z	-5.08	1
21	MP2A	Mx	-.000589	1
22	MP2A	X	8.799	5
23	MP2A	Z	-5.08	5
24	MP2A	Mx	-.000589	5
25	MP2B	X	8.799	1
26	MP2B	Z	-5.08	1
27	MP2B	Mx	.008	1
28	MP2B	X	8.799	5
29	MP2B	Z	-5.08	5
30	MP2B	Mx	.008	5
31	MP2C	X	10.569	1
32	MP2C	Z	-6.102	1
33	MP2C	Mx	-.011	1
34	MP2C	X	10.569	5
35	MP2C	Z	-6.102	5
36	MP2C	Mx	-.011	5
37	MP4A	X	2.821	2
38	MP4A	Z	-1.628	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.821	4
41	MP4A	Z	-1.628	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.821	2
44	MP4B	Z	-1.628	2
45	MP4B	Mx	.001	2
46	MP4B	X	2.821	4
47	MP4B	Z	-1.628	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.819	2
50	MP4C	Z	-2.782	2
51	MP4C	Mx	-.000951	2
52	MP4C	X	4.819	4
53	MP4C	Z	-2.782	4
54	MP4C	Mx	-.000951	4
55	MP2A	X	3.102	3
56	MP2A	Z	-1.791	3
57	MP2A	Mx	.002	3
58	MP2B	X	3.102	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	-1.791	3
60	MP2B	Mx	-.002	3
61	MP2C	X	3.968	3
62	MP2C	Z	-2.291	3
63	MP2C	Mx	.000784	3
64	MP3A	X	2.709	3
65	MP3A	Z	-1.564	3
66	MP3A	Mx	.001	3
67	MP3B	X	2.709	3
68	MP3B	Z	-1.564	3
69	MP3B	Mx	-.001	3
70	MP3C	X	3.907	3
71	MP3C	Z	-2.256	3
72	MP3C	Mx	.000772	3
73	M107	X	5.539	1.25
74	M107	Z	-3.198	1.25
75	M107	Mx	0	1.25
76	MP1A	X	4.067	1.5
77	MP1A	Z	-2.348	1.5
78	MP1A	Mx	-.002	1.5
79	MP1A	X	4.067	4.5
80	MP1A	Z	-2.348	4.5
81	MP1A	Mx	-.002	4.5
82	MP1B	X	4.067	1.5
83	MP1B	Z	-2.348	1.5
84	MP1B	Mx	.002	1.5
85	MP1B	X	4.067	4.5
86	MP1B	Z	-2.348	4.5
87	MP1B	Mx	.002	4.5
88	MP1C	X	3.066	1.5
89	MP1C	Z	-1.77	1.5
90	MP1C	Mx	-.000605	1.5
91	MP1C	X	3.066	4.5
92	MP1C	Z	-1.77	4.5
93	MP1C	Mx	-.000605	4.5
94	MP5A	X	4.067	1.5
95	MP5A	Z	-2.348	1.5
96	MP5A	Mx	-.002	1.5
97	MP5A	X	4.067	4.5
98	MP5A	Z	-2.348	4.5
99	MP5A	Mx	-.002	4.5
100	MP5B	X	4.067	1.5
101	MP5B	Z	-2.348	1.5
102	MP5B	Mx	.002	1.5
103	MP5B	X	4.067	4.5
104	MP5B	Z	-2.348	4.5
105	MP5B	Mx	.002	4.5
106	MP5C	X	3.066	1.5
107	MP5C	Z	-1.77	1.5
108	MP5C	Mx	-.000605	1.5
109	MP5C	X	3.066	4.5
110	MP5C	Z	-1.77	4.5
111	MP5C	Mx	-.000605	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	9.354	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.005	1
4	MP2A	X	9.354	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.005	5
7	MP2B	X	11.774	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.005	1
10	MP2B	X	11.774	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.005	5
13	MP2C	X	12.484	1
14	MP2C	Z	0	1
15	MP2C	Mx	.01	1
16	MP2C	X	12.484	5
17	MP2C	Z	0	5
18	MP2C	Mx	.01	5
19	MP2A	X	9.354	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.005	1
22	MP2A	X	9.354	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.005	5
25	MP2B	X	11.774	1
26	MP2B	Z	0	1
27	MP2B	Mx	.011	1
28	MP2B	X	11.774	5
29	MP2B	Z	0	5
30	MP2B	Mx	.011	5
31	MP2C	X	12.484	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.008	1
34	MP2C	X	12.484	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.008	5
37	MP4A	X	2.345	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.345	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.001	4
43	MP4B	X	5.08	2
44	MP4B	Z	0	2
45	MP4B	Mx	.001	2
46	MP4B	X	5.08	4
47	MP4B	Z	0	4
48	MP4B	Mx	.001	4
49	MP4C	X	5.881	2
50	MP4C	Z	0	2
51	MP4C	Mx	.000511	2
52	MP4C	X	5.881	4
53	MP4C	Z	0	4
54	MP4C	Mx	.000511	4
55	MP2A	X	3.187	3
56	MP2A	Z	0	3
57	MP2A	Mx	.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	4.372	3
59	MP2B	Z	0	3
60	MP2B	Mx	-0.001	3
61	MP2C	X	4.72	3
62	MP2C	Z	0	3
63	MP2C	Mx	-0.00041	3
64	MP3A	X	2.581	3
65	MP3A	Z	0	3
66	MP3A	Mx	.001	3
67	MP3B	X	4.221	3
68	MP3B	Z	0	3
69	MP3B	Mx	-0.001	3
70	MP3C	X	4.701	3
71	MP3C	Z	0	3
72	MP3C	Mx	-0.000408	3
73	M107	X	7.212	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	5.153	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	-0.003	1.5
79	MP1A	X	5.153	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-0.003	4.5
82	MP1B	X	3.783	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	.000946	1.5
85	MP1B	X	3.783	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	.000946	4.5
88	MP1C	X	3.382	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.000294	1.5
91	MP1C	X	3.382	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	.000294	4.5
94	MP5A	X	5.153	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	-0.003	1.5
97	MP5A	X	5.153	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	-0.003	4.5
100	MP5B	X	3.783	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	.000946	1.5
103	MP5B	X	3.783	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	.000946	4.5
106	MP5C	X	3.382	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	.000294	1.5
109	MP5C	X	3.382	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	.000294	4.5

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	8.799	1
2	MP2A	Z	5.08	1
3	MP2A	Mx	-.000589	1
4	MP2A	X	8.799	5
5	MP2A	Z	5.08	5
6	MP2A	Mx	-.000589	5
7	MP2B	X	10.896	1
8	MP2B	Z	6.291	1
9	MP2B	Mx	-.009	1
10	MP2B	X	10.896	5
11	MP2B	Z	6.291	5
12	MP2B	Mx	-.009	5
13	MP2C	X	9.741	1
14	MP2C	Z	5.624	1
15	MP2C	Mx	.01	1
16	MP2C	X	9.741	5
17	MP2C	Z	5.624	5
18	MP2C	Mx	.01	5
19	MP2A	X	8.799	1
20	MP2A	Z	5.08	1
21	MP2A	Mx	-.008	1
22	MP2A	X	8.799	5
23	MP2A	Z	5.08	5
24	MP2A	Mx	-.008	5
25	MP2B	X	10.896	1
26	MP2B	Z	6.291	1
27	MP2B	Mx	.009	1
28	MP2B	X	10.896	5
29	MP2B	Z	6.291	5
30	MP2B	Mx	.009	5
31	MP2C	X	9.741	1
32	MP2C	Z	5.624	1
33	MP2C	Mx	-.003	1
34	MP2C	X	9.741	5
35	MP2C	Z	5.624	5
36	MP2C	Mx	-.003	5
37	MP4A	X	2.821	2
38	MP4A	Z	1.628	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.821	4
41	MP4A	Z	1.628	4
42	MP4A	Mx	-.001	4
43	MP4B	X	5.188	2
44	MP4B	Z	2.996	2
45	MP4B	Mx	0	2
46	MP4B	X	5.188	4
47	MP4B	Z	2.996	4
48	MP4B	Mx	0	4
49	MP4C	X	3.884	2
50	MP4C	Z	2.242	2
51	MP4C	Mx	.001	2
52	MP4C	X	3.884	4
53	MP4C	Z	2.242	4
54	MP4C	Mx	.001	4
55	MP2A	X	3.102	3
56	MP2A	Z	1.791	3
57	MP2A	Mx	.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	4.129	3
59	MP2B	Z	2.384	3
60	MP2B	Mx	0	3
61	MP2C	X	3.563	3
62	MP2C	Z	2.057	3
63	MP2C	Mx	-.001	3
64	MP3A	X	2.709	3
65	MP3A	Z	1.564	3
66	MP3A	Mx	.001	3
67	MP3B	X	4.129	3
68	MP3B	Z	2.384	3
69	MP3B	Mx	0	3
70	MP3C	X	3.346	3
71	MP3C	Z	1.932	3
72	MP3C	Mx	-.001	3
73	M107	X	7.66	1.25
74	M107	Z	4.423	1.25
75	M107	Mx	0	1.25
76	MP1A	X	4.067	1.5
77	MP1A	Z	2.348	1.5
78	MP1A	Mx	-.002	1.5
79	MP1A	X	4.067	4.5
80	MP1A	Z	2.348	4.5
81	MP1A	Mx	-.002	4.5
82	MP1B	X	2.881	1.5
83	MP1B	Z	1.663	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	2.881	4.5
86	MP1B	Z	1.663	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	3.535	1.5
89	MP1C	Z	2.041	1.5
90	MP1C	Mx	.001	1.5
91	MP1C	X	3.535	4.5
92	MP1C	Z	2.041	4.5
93	MP1C	Mx	.001	4.5
94	MP5A	X	4.067	1.5
95	MP5A	Z	2.348	1.5
96	MP5A	Mx	-.002	1.5
97	MP5A	X	4.067	4.5
98	MP5A	Z	2.348	4.5
99	MP5A	Mx	-.002	4.5
100	MP5B	X	2.881	1.5
101	MP5B	Z	1.663	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	2.881	4.5
104	MP5B	Z	1.663	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	3.535	1.5
107	MP5C	Z	2.041	1.5
108	MP5C	Mx	.001	1.5
109	MP5C	X	3.535	4.5
110	MP5C	Z	2.041	4.5
111	MP5C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	5.887	1
2	MP2A	Z	10.197	1
3	MP2A	Mx	.005	1
4	MP2A	X	5.887	5
5	MP2A	Z	10.197	5
6	MP2A	Mx	.005	5
7	MP2B	X	5.887	1
8	MP2B	Z	10.197	1
9	MP2B	Mx	-.011	1
10	MP2B	X	5.887	5
11	MP2B	Z	10.197	5
12	MP2B	Mx	-.011	5
13	MP2C	X	4.866	1
14	MP2C	Z	8.427	1
15	MP2C	Mx	.007	1
16	MP2C	X	4.866	5
17	MP2C	Z	8.427	5
18	MP2C	Mx	.007	5
19	MP2A	X	5.887	1
20	MP2A	Z	10.197	1
21	MP2A	Mx	-.011	1
22	MP2A	X	5.887	5
23	MP2A	Z	10.197	5
24	MP2A	Mx	-.011	5
25	MP2B	X	5.887	1
26	MP2B	Z	10.197	1
27	MP2B	Mx	.005	1
28	MP2B	X	5.887	5
29	MP2B	Z	10.197	5
30	MP2B	Mx	.005	5
31	MP2C	X	4.866	1
32	MP2C	Z	8.427	1
33	MP2C	Mx	.002	1
34	MP2C	X	4.866	5
35	MP2C	Z	8.427	5
36	MP2C	Mx	.002	5
37	MP4A	X	2.54	2
38	MP4A	Z	4.399	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.54	4
41	MP4A	Z	4.399	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.54	2
44	MP4B	Z	4.399	2
45	MP4B	Mx	-.001	2
46	MP4B	X	2.54	4
47	MP4B	Z	4.399	4
48	MP4B	Mx	-.001	4
49	MP4C	X	1.386	2
50	MP4C	Z	2.401	2
51	MP4C	Mx	.001	2
52	MP4C	X	1.386	4
53	MP4C	Z	2.401	4
54	MP4C	Mx	.001	4
55	MP2A	X	2.186	3
56	MP2A	Z	3.786	3
57	MP2A	Mx	.001	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	2.186	3
59	MP2B	Z	3.786	3
60	MP2B	Mx	.001	3
61	MP2C	X	1.686	3
62	MP2C	Z	2.92	3
63	MP2C	Mx	-.002	3
64	MP3A	X	2.11	3
65	MP3A	Z	3.655	3
66	MP3A	Mx	.001	3
67	MP3B	X	2.11	3
68	MP3B	Z	3.655	3
69	MP3B	Mx	.001	3
70	MP3C	X	1.418	3
71	MP3C	Z	2.457	3
72	MP3C	Mx	-.001	3
73	M107	X	4.831	1.25
74	M107	Z	8.368	1.25
75	M107	Mx	0	1.25
76	MP1A	X	1.892	1.5
77	MP1A	Z	3.277	1.5
78	MP1A	Mx	-.000946	1.5
79	MP1A	X	1.892	4.5
80	MP1A	Z	3.277	4.5
81	MP1A	Mx	-.000946	4.5
82	MP1B	X	1.892	1.5
83	MP1B	Z	3.277	1.5
84	MP1B	Mx	-.000946	1.5
85	MP1B	X	1.892	4.5
86	MP1B	Z	3.277	4.5
87	MP1B	Mx	-.000946	4.5
88	MP1C	X	2.47	1.5
89	MP1C	Z	4.278	1.5
90	MP1C	Mx	.002	1.5
91	MP1C	X	2.47	4.5
92	MP1C	Z	4.278	4.5
93	MP1C	Mx	.002	4.5
94	MP5A	X	1.892	1.5
95	MP5A	Z	3.277	1.5
96	MP5A	Mx	-.000946	1.5
97	MP5A	X	1.892	4.5
98	MP5A	Z	3.277	4.5
99	MP5A	Mx	-.000946	4.5
100	MP5B	X	1.892	1.5
101	MP5B	Z	3.277	1.5
102	MP5B	Mx	-.000946	1.5
103	MP5B	X	1.892	4.5
104	MP5B	Z	3.277	4.5
105	MP5B	Mx	-.000946	4.5
106	MP5C	X	2.47	1.5
107	MP5C	Z	4.278	1.5
108	MP5C	Mx	.002	1.5
109	MP5C	X	2.47	4.5
110	MP5C	Z	4.278	4.5
111	MP5C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb.k.ft]	Location[ft,%]
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Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	12.581	1
3	MP2A	Mx	.009	1
4	MP2A	X	0	5
5	MP2A	Z	12.581	5
6	MP2A	Mx	.009	5
7	MP2B	X	0	1
8	MP2B	Z	10.16	1
9	MP2B	Mx	-.008	1
10	MP2B	X	0	5
11	MP2B	Z	10.16	5
12	MP2B	Mx	-.008	5
13	MP2C	X	0	1
14	MP2C	Z	9.451	1
15	MP2C	Mx	.003	1
16	MP2C	X	0	5
17	MP2C	Z	9.451	5
18	MP2C	Mx	.003	5
19	MP2A	X	0	1
20	MP2A	Z	12.581	1
21	MP2A	Mx	-.009	1
22	MP2A	X	0	5
23	MP2A	Z	12.581	5
24	MP2A	Mx	-.009	5
25	MP2B	X	0	1
26	MP2B	Z	10.16	1
27	MP2B	Mx	-.000589	1
28	MP2B	X	0	5
29	MP2B	Z	10.16	5
30	MP2B	Mx	-.000589	5
31	MP2C	X	0	1
32	MP2C	Z	9.451	1
33	MP2C	Mx	.006	1
34	MP2C	X	0	5
35	MP2C	Z	9.451	5
36	MP2C	Mx	.006	5
37	MP4A	X	0	2
38	MP4A	Z	5.991	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	5.991	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	3.257	2
45	MP4B	Mx	-.001	2
46	MP4B	X	0	4
47	MP4B	Z	3.257	4
48	MP4B	Mx	-.001	4
49	MP4C	X	0	2
50	MP4C	Z	2.455	2
51	MP4C	Mx	.001	2
52	MP4C	X	0	4
53	MP4C	Z	2.455	4
54	MP4C	Mx	.001	4
55	MP2A	X	0	3
56	MP2A	Z	4.767	3
57	MP2A	Mx	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	0	3
59	MP2B	Z	3.582	3
60	MP2B	Mx	.002	3
61	MP2C	X	0	3
62	MP2C	Z	3.234	3
63	MP2C	Mx	-.002	3
64	MP3A	X	0	3
65	MP3A	Z	4.767	3
66	MP3A	Mx	0	3
67	MP3B	X	0	3
68	MP3B	Z	3.128	3
69	MP3B	Mx	.001	3
70	MP3C	X	0	3
71	MP3C	Z	2.647	3
72	MP3C	Mx	-.001	3
73	M107	X	0	1.25
74	M107	Z	8.845	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	3.327	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	3.327	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	4.696	1.5
84	MP1B	Mx	-.002	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	4.696	4.5
87	MP1B	Mx	-.002	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	5.098	1.5
90	MP1C	Mx	.003	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	5.098	4.5
93	MP1C	Mx	.003	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	3.327	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	3.327	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	4.696	1.5
102	MP5B	Mx	-.002	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	4.696	4.5
105	MP5B	Mx	-.002	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	5.098	1.5
108	MP5C	Mx	.003	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	5.098	4.5
111	MP5C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-5.887	1
2	MP2A	Z	10.197	1
3	MP2A	Mx	.011	1
4	MP2A	X	-5.887	5
5	MP2A	Z	10.197	5
6	MP2A	Mx	.011	5
7	MP2B	X	-4.677	1
8	MP2B	Z	8.1	1
9	MP2B	Mx	-.005	1
10	MP2B	X	-4.677	5
11	MP2B	Z	8.1	5
12	MP2B	Mx	-.005	5
13	MP2C	X	-5.344	1
14	MP2C	Z	9.255	1
15	MP2C	Mx	-.001	1
16	MP2C	X	-5.344	5
17	MP2C	Z	9.255	5
18	MP2C	Mx	-.001	5
19	MP2A	X	-5.887	1
20	MP2A	Z	10.197	1
21	MP2A	Mx	-.005	1
22	MP2A	X	-5.887	5
23	MP2A	Z	10.197	5
24	MP2A	Mx	-.005	5
25	MP2B	X	-4.677	1
26	MP2B	Z	8.1	1
27	MP2B	Mx	-.005	1
28	MP2B	X	-4.677	5
29	MP2B	Z	8.1	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-5.344	1
32	MP2C	Z	9.255	1
33	MP2C	Mx	.009	1
34	MP2C	X	-5.344	5
35	MP2C	Z	9.255	5
36	MP2C	Mx	.009	5
37	MP4A	X	-2.54	2
38	MP4A	Z	4.399	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.54	4
41	MP4A	Z	4.399	4
42	MP4A	Mx	.001	4
43	MP4B	X	-1.173	2
44	MP4B	Z	2.031	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-1.173	4
47	MP4B	Z	2.031	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-1.926	2
50	MP4C	Z	3.336	2
51	MP4C	Mx	.001	2
52	MP4C	X	-1.926	4
53	MP4C	Z	3.336	4
54	MP4C	Mx	.001	4
55	MP2A	X	-2.186	3
56	MP2A	Z	3.786	3
57	MP2A	Mx	-.001	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	-1.593	3
59	MP2B	Z	2.76	3
60	MP2B	Mx	.002	3
61	MP2C	X	-1.92	3
62	MP2C	Z	3.325	3
63	MP2C	Mx	-.001	3
64	MP3A	X	-2.11	3
65	MP3A	Z	3.655	3
66	MP3A	Mx	-.001	3
67	MP3B	X	-1.291	3
68	MP3B	Z	2.235	3
69	MP3B	Mx	.001	3
70	MP3C	X	-1.742	3
71	MP3C	Z	3.018	3
72	MP3C	Mx	-.001	3
73	M107	X	-3.606	1.25
74	M107	Z	6.246	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-1.892	1.5
77	MP1A	Z	3.277	1.5
78	MP1A	Mx	.000946	1.5
79	MP1A	X	-1.892	4.5
80	MP1A	Z	3.277	4.5
81	MP1A	Mx	.000946	4.5
82	MP1B	X	-2.577	1.5
83	MP1B	Z	4.463	1.5
84	MP1B	Mx	-.003	1.5
85	MP1B	X	-2.577	4.5
86	MP1B	Z	4.463	4.5
87	MP1B	Mx	-.003	4.5
88	MP1C	X	-2.199	1.5
89	MP1C	Z	3.809	1.5
90	MP1C	Mx	.002	1.5
91	MP1C	X	-2.199	4.5
92	MP1C	Z	3.809	4.5
93	MP1C	Mx	.002	4.5
94	MP5A	X	-1.892	1.5
95	MP5A	Z	3.277	1.5
96	MP5A	Mx	.000946	1.5
97	MP5A	X	-1.892	4.5
98	MP5A	Z	3.277	4.5
99	MP5A	Mx	.000946	4.5
100	MP5B	X	-2.577	1.5
101	MP5B	Z	4.463	1.5
102	MP5B	Mx	-.003	1.5
103	MP5B	X	-2.577	4.5
104	MP5B	Z	4.463	4.5
105	MP5B	Mx	-.003	4.5
106	MP5C	X	-2.199	1.5
107	MP5C	Z	3.809	1.5
108	MP5C	Mx	.002	1.5
109	MP5C	X	-2.199	4.5
110	MP5C	Z	3.809	4.5
111	MP5C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-8.799	1
2	MP2A	Z	5.08	1
3	MP2A	Mx	.008	1
4	MP2A	X	-8.799	5
5	MP2A	Z	5.08	5
6	MP2A	Mx	.008	5
7	MP2B	X	-8.799	1
8	MP2B	Z	5.08	1
9	MP2B	Mx	-.000589	1
10	MP2B	X	-8.799	5
11	MP2B	Z	5.08	5
12	MP2B	Mx	-.000589	5
13	MP2C	X	-10.569	1
14	MP2C	Z	6.102	1
15	MP2C	Mx	-.007	1
16	MP2C	X	-10.569	5
17	MP2C	Z	6.102	5
18	MP2C	Mx	-.007	5
19	MP2A	X	-8.799	1
20	MP2A	Z	5.08	1
21	MP2A	Mx	.000589	1
22	MP2A	X	-8.799	5
23	MP2A	Z	5.08	5
24	MP2A	Mx	.000589	5
25	MP2B	X	-8.799	1
26	MP2B	Z	5.08	1
27	MP2B	Mx	-.008	1
28	MP2B	X	-8.799	5
29	MP2B	Z	5.08	5
30	MP2B	Mx	-.008	5
31	MP2C	X	-10.569	1
32	MP2C	Z	6.102	1
33	MP2C	Mx	.011	1
34	MP2C	X	-10.569	5
35	MP2C	Z	6.102	5
36	MP2C	Mx	.011	5
37	MP4A	X	-2.821	2
38	MP4A	Z	1.628	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.821	4
41	MP4A	Z	1.628	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.821	2
44	MP4B	Z	1.628	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-2.821	4
47	MP4B	Z	1.628	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-4.819	2
50	MP4C	Z	2.782	2
51	MP4C	Mx	.000951	2
52	MP4C	X	-4.819	4
53	MP4C	Z	2.782	4
54	MP4C	Mx	.000951	4
55	MP2A	X	-3.102	3
56	MP2A	Z	1.791	3
57	MP2A	Mx	-.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	-3.102	3
59	MP2B	Z	1.791	3
60	MP2B	Mx	.002	3
61	MP2C	X	-3.968	3
62	MP2C	Z	2.291	3
63	MP2C	Mx	-.000784	3
64	MP3A	X	-2.709	3
65	MP3A	Z	1.564	3
66	MP3A	Mx	-.001	3
67	MP3B	X	-2.709	3
68	MP3B	Z	1.564	3
69	MP3B	Mx	.001	3
70	MP3C	X	-3.907	3
71	MP3C	Z	2.256	3
72	MP3C	Mx	-.000772	3
73	M107	X	-5.539	1.25
74	M107	Z	3.198	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-4.067	1.5
77	MP1A	Z	2.348	1.5
78	MP1A	Mx	.002	1.5
79	MP1A	X	-4.067	4.5
80	MP1A	Z	2.348	4.5
81	MP1A	Mx	.002	4.5
82	MP1B	X	-4.067	1.5
83	MP1B	Z	2.348	1.5
84	MP1B	Mx	-.002	1.5
85	MP1B	X	-4.067	4.5
86	MP1B	Z	2.348	4.5
87	MP1B	Mx	-.002	4.5
88	MP1C	X	-3.066	1.5
89	MP1C	Z	1.77	1.5
90	MP1C	Mx	.000605	1.5
91	MP1C	X	-3.066	4.5
92	MP1C	Z	1.77	4.5
93	MP1C	Mx	.000605	4.5
94	MP5A	X	-4.067	1.5
95	MP5A	Z	2.348	1.5
96	MP5A	Mx	.002	1.5
97	MP5A	X	-4.067	4.5
98	MP5A	Z	2.348	4.5
99	MP5A	Mx	.002	4.5
100	MP5B	X	-4.067	1.5
101	MP5B	Z	2.348	1.5
102	MP5B	Mx	-.002	1.5
103	MP5B	X	-4.067	4.5
104	MP5B	Z	2.348	4.5
105	MP5B	Mx	-.002	4.5
106	MP5C	X	-3.066	1.5
107	MP5C	Z	1.77	1.5
108	MP5C	Mx	.000605	1.5
109	MP5C	X	-3.066	4.5
110	MP5C	Z	1.77	4.5
111	MP5C	Mx	.000605	4.5

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-9.354	1
2	MP2A	Z	0	1
3	MP2A	Mx	.005	1
4	MP2A	X	-9.354	5
5	MP2A	Z	0	5
6	MP2A	Mx	.005	5
7	MP2B	X	-11.774	1
8	MP2B	Z	0	1
9	MP2B	Mx	.005	1
10	MP2B	X	-11.774	5
11	MP2B	Z	0	5
12	MP2B	Mx	.005	5
13	MP2C	X	-12.484	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.01	1
16	MP2C	X	-12.484	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.01	5
19	MP2A	X	-9.354	1
20	MP2A	Z	0	1
21	MP2A	Mx	.005	1
22	MP2A	X	-9.354	5
23	MP2A	Z	0	5
24	MP2A	Mx	.005	5
25	MP2B	X	-11.774	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.011	1
28	MP2B	X	-11.774	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.011	5
31	MP2C	X	-12.484	1
32	MP2C	Z	0	1
33	MP2C	Mx	.008	1
34	MP2C	X	-12.484	5
35	MP2C	Z	0	5
36	MP2C	Mx	.008	5
37	MP4A	X	-2.345	2
38	MP4A	Z	0	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.345	4
41	MP4A	Z	0	4
42	MP4A	Mx	.001	4
43	MP4B	X	-5.08	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-5.08	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-5.881	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.000511	2
52	MP4C	X	-5.881	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.000511	4
55	MP2A	X	-3.187	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	-4.372	3
59	MP2B	Z	0	3
60	MP2B	Mx	.001	3
61	MP2C	X	-4.72	3
62	MP2C	Z	0	3
63	MP2C	Mx	.00041	3
64	MP3A	X	-2.581	3
65	MP3A	Z	0	3
66	MP3A	Mx	-.001	3
67	MP3B	X	-4.221	3
68	MP3B	Z	0	3
69	MP3B	Mx	.001	3
70	MP3C	X	-4.701	3
71	MP3C	Z	0	3
72	MP3C	Mx	.000408	3
73	M107	X	-7.212	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-5.153	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	.003	1.5
79	MP1A	X	-5.153	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.003	4.5
82	MP1B	X	-3.783	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	-.000946	1.5
85	MP1B	X	-3.783	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	-.000946	4.5
88	MP1C	X	-3.382	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.000294	1.5
91	MP1C	X	-3.382	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	-.000294	4.5
94	MP5A	X	-5.153	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	.003	1.5
97	MP5A	X	-5.153	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	.003	4.5
100	MP5B	X	-3.783	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	-.000946	1.5
103	MP5B	X	-3.783	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	-.000946	4.5
106	MP5C	X	-3.382	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	-.000294	1.5
109	MP5C	X	-3.382	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	-.000294	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-8.799	1
2	MP2A	Z	-5.08	1
3	MP2A	Mx	.000589	1
4	MP2A	X	-8.799	5
5	MP2A	Z	-5.08	5
6	MP2A	Mx	.000589	5
7	MP2B	X	-10.896	1
8	MP2B	Z	-6.291	1
9	MP2B	Mx	.009	1
10	MP2B	X	-10.896	5
11	MP2B	Z	-6.291	5
12	MP2B	Mx	.009	5
13	MP2C	X	-9.741	1
14	MP2C	Z	-5.624	1
15	MP2C	Mx	-.01	1
16	MP2C	X	-9.741	5
17	MP2C	Z	-5.624	5
18	MP2C	Mx	-.01	5
19	MP2A	X	-8.799	1
20	MP2A	Z	-5.08	1
21	MP2A	Mx	.008	1
22	MP2A	X	-8.799	5
23	MP2A	Z	-5.08	5
24	MP2A	Mx	.008	5
25	MP2B	X	-10.896	1
26	MP2B	Z	-6.291	1
27	MP2B	Mx	-.009	1
28	MP2B	X	-10.896	5
29	MP2B	Z	-6.291	5
30	MP2B	Mx	-.009	5
31	MP2C	X	-9.741	1
32	MP2C	Z	-5.624	1
33	MP2C	Mx	.003	1
34	MP2C	X	-9.741	5
35	MP2C	Z	-5.624	5
36	MP2C	Mx	.003	5
37	MP4A	X	-2.821	2
38	MP4A	Z	-1.628	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.821	4
41	MP4A	Z	-1.628	4
42	MP4A	Mx	.001	4
43	MP4B	X	-5.188	2
44	MP4B	Z	-2.996	2
45	MP4B	Mx	0	2
46	MP4B	X	-5.188	4
47	MP4B	Z	-2.996	4
48	MP4B	Mx	0	4
49	MP4C	X	-3.884	2
50	MP4C	Z	-2.242	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-3.884	4
53	MP4C	Z	-2.242	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-3.102	3
56	MP2A	Z	-1.791	3
57	MP2A	Mx	-.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	-4.129	3
59	MP2B	Z	-2.384	3
60	MP2B	Mx	0	3
61	MP2C	X	-3.563	3
62	MP2C	Z	-2.057	3
63	MP2C	Mx	.001	3
64	MP3A	X	-2.709	3
65	MP3A	Z	-1.564	3
66	MP3A	Mx	-.001	3
67	MP3B	X	-4.129	3
68	MP3B	Z	-2.384	3
69	MP3B	Mx	0	3
70	MP3C	X	-3.346	3
71	MP3C	Z	-1.932	3
72	MP3C	Mx	.001	3
73	M107	X	-7.66	1.25
74	M107	Z	-4.423	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-4.067	1.5
77	MP1A	Z	-2.348	1.5
78	MP1A	Mx	.002	1.5
79	MP1A	X	-4.067	4.5
80	MP1A	Z	-2.348	4.5
81	MP1A	Mx	.002	4.5
82	MP1B	X	-2.881	1.5
83	MP1B	Z	-1.663	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	-2.881	4.5
86	MP1B	Z	-1.663	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	-3.535	1.5
89	MP1C	Z	-2.041	1.5
90	MP1C	Mx	-.001	1.5
91	MP1C	X	-3.535	4.5
92	MP1C	Z	-2.041	4.5
93	MP1C	Mx	-.001	4.5
94	MP5A	X	-4.067	1.5
95	MP5A	Z	-2.348	1.5
96	MP5A	Mx	.002	1.5
97	MP5A	X	-4.067	4.5
98	MP5A	Z	-2.348	4.5
99	MP5A	Mx	.002	4.5
100	MP5B	X	-2.881	1.5
101	MP5B	Z	-1.663	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	-2.881	4.5
104	MP5B	Z	-1.663	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	-3.535	1.5
107	MP5C	Z	-2.041	1.5
108	MP5C	Mx	-.001	1.5
109	MP5C	X	-3.535	4.5
110	MP5C	Z	-2.041	4.5
111	MP5C	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-5.887	1
2	MP2A	Z	-10.197	1
3	MP2A	Mx	-.005	1
4	MP2A	X	-5.887	5
5	MP2A	Z	-10.197	5
6	MP2A	Mx	-.005	5
7	MP2B	X	-5.887	1
8	MP2B	Z	-10.197	1
9	MP2B	Mx	.011	1
10	MP2B	X	-5.887	5
11	MP2B	Z	-10.197	5
12	MP2B	Mx	.011	5
13	MP2C	X	-4.866	1
14	MP2C	Z	-8.427	1
15	MP2C	Mx	-.007	1
16	MP2C	X	-4.866	5
17	MP2C	Z	-8.427	5
18	MP2C	Mx	-.007	5
19	MP2A	X	-5.887	1
20	MP2A	Z	-10.197	1
21	MP2A	Mx	.011	1
22	MP2A	X	-5.887	5
23	MP2A	Z	-10.197	5
24	MP2A	Mx	.011	5
25	MP2B	X	-5.887	1
26	MP2B	Z	-10.197	1
27	MP2B	Mx	-.005	1
28	MP2B	X	-5.887	5
29	MP2B	Z	-10.197	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-4.866	1
32	MP2C	Z	-8.427	1
33	MP2C	Mx	-.002	1
34	MP2C	X	-4.866	5
35	MP2C	Z	-8.427	5
36	MP2C	Mx	-.002	5
37	MP4A	X	-2.54	2
38	MP4A	Z	-4.399	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.54	4
41	MP4A	Z	-4.399	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.54	2
44	MP4B	Z	-4.399	2
45	MP4B	Mx	.001	2
46	MP4B	X	-2.54	4
47	MP4B	Z	-4.399	4
48	MP4B	Mx	.001	4
49	MP4C	X	-1.386	2
50	MP4C	Z	-2.401	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-1.386	4
53	MP4C	Z	-2.401	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-2.186	3
56	MP2A	Z	-3.786	3
57	MP2A	Mx	-.001	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	-2.186	3
59	MP2B	Z	-3.786	3
60	MP2B	Mx	-.001	3
61	MP2C	X	-1.686	3
62	MP2C	Z	-2.92	3
63	MP2C	Mx	.002	3
64	MP3A	X	-2.11	3
65	MP3A	Z	-3.655	3
66	MP3A	Mx	-.001	3
67	MP3B	X	-2.11	3
68	MP3B	Z	-3.655	3
69	MP3B	Mx	-.001	3
70	MP3C	X	-1.418	3
71	MP3C	Z	-2.457	3
72	MP3C	Mx	.001	3
73	M107	X	-4.831	1.25
74	M107	Z	-8.368	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-1.892	1.5
77	MP1A	Z	-3.277	1.5
78	MP1A	Mx	.000946	1.5
79	MP1A	X	-1.892	4.5
80	MP1A	Z	-3.277	4.5
81	MP1A	Mx	.000946	4.5
82	MP1B	X	-1.892	1.5
83	MP1B	Z	-3.277	1.5
84	MP1B	Mx	.000946	1.5
85	MP1B	X	-1.892	4.5
86	MP1B	Z	-3.277	4.5
87	MP1B	Mx	.000946	4.5
88	MP1C	X	-2.47	1.5
89	MP1C	Z	-4.278	1.5
90	MP1C	Mx	-.002	1.5
91	MP1C	X	-2.47	4.5
92	MP1C	Z	-4.278	4.5
93	MP1C	Mx	-.002	4.5
94	MP5A	X	-1.892	1.5
95	MP5A	Z	-3.277	1.5
96	MP5A	Mx	.000946	1.5
97	MP5A	X	-1.892	4.5
98	MP5A	Z	-3.277	4.5
99	MP5A	Mx	.000946	4.5
100	MP5B	X	-1.892	1.5
101	MP5B	Z	-3.277	1.5
102	MP5B	Mx	.000946	1.5
103	MP5B	X	-1.892	4.5
104	MP5B	Z	-3.277	4.5
105	MP5B	Mx	.000946	4.5
106	MP5C	X	-2.47	1.5
107	MP5C	Z	-4.278	1.5
108	MP5C	Mx	-.002	1.5
109	MP5C	X	-2.47	4.5
110	MP5C	Z	-4.278	4.5
111	MP5C	Mx	-.002	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 77 : Lm1) (Continued)

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

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M22	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	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	M1	Y	-6.395	-6.395	0	%100
2	M4	Y	-9.374	-9.374	0	%100
3	M10	Y	-9.374	-9.374	0	%100
4	MP3A	Y	-5.532	-5.532	0	%100
5	MP4A	Y	-4.842	-4.842	0	%100
6	MP2A	Y	-4.842	-4.842	0	%100
7	MP1A	Y	-4.842	-4.842	0	%100
8	M43	Y	-9.374	-9.374	0	%100
9	M46	Y	-9.877	-9.877	0	%100
10	M51B	Y	-5.468	-5.468	0	%100
11	M52B	Y	-5.468	-5.468	0	%100
12	M76	Y	-9.864	-9.864	0	%100
13	M77	Y	-9.864	-9.864	0	%100
14	M80	Y	-9.877	-9.877	0	%100
15	M84	Y	-9.864	-9.864	0	%100
16	M85	Y	-9.864	-9.864	0	%100
17	M91	Y	-9.877	-9.877	0	%100
18	M36	Y	-9.374	-9.374	0	%100
19	M37	Y	-9.374	-9.374	0	%100
20	M38	Y	-9.374	-9.374	0	%100
21	M39	Y	-9.877	-9.877	0	%100
22	M40	Y	-5.468	-5.468	0	%100
23	M41	Y	-5.468	-5.468	0	%100
24	M45	Y	-9.864	-9.864	0	%100
25	M46A	Y	-9.864	-9.864	0	%100
26	M48	Y	-9.877	-9.877	0	%100
27	M50A	Y	-9.864	-9.864	0	%100
28	M51C	Y	-9.864	-9.864	0	%100
29	M53	Y	-9.877	-9.877	0	%100
30	M60	Y	-9.374	-9.374	0	%100
31	M61	Y	-9.374	-9.374	0	%100
32	M62	Y	-9.374	-9.374	0	%100
33	M63	Y	-9.877	-9.877	0	%100
34	M64	Y	-5.468	-5.468	0	%100
35	M65	Y	-5.468	-5.468	0	%100
36	M69	Y	-9.864	-9.864	0	%100
37	M70	Y	-9.864	-9.864	0	%100
38	M72	Y	-9.877	-9.877	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, %]
39	M74	Y	-9.864	-9.864	0	%100
40	M75	Y	-9.864	-9.864	0	%100
41	M77A	Y	-9.877	-9.877	0	%100
42	M82A	Y	-6.395	-6.395	0	%100
43	M83B	Y	-6.395	-6.395	0	%100
44	MP5A	Y	-4.842	-4.842	0	%100
45	MP3C	Y	-5.532	-5.532	0	%100
46	MP4C	Y	-4.842	-4.842	0	%100
47	MP2C	Y	-4.842	-4.842	0	%100
48	MP1C	Y	-4.842	-4.842	0	%100
49	MP5C	Y	-4.842	-4.842	0	%100
50	MP3B	Y	-5.532	-5.532	0	%100
51	MP4B	Y	-4.842	-4.842	0	%100
52	MP2B	Y	-4.842	-4.842	0	%100
53	MP1B	Y	-4.842	-4.842	0	%100
54	MP5B	Y	-4.842	-4.842	0	%100
55	M107	Y	-4.842	-4.842	0	%100
56	M108	Y	-5.532	-5.532	0	%100
57	M117	Y	-7.421	-7.421	0	%100
58	M118	Y	-7.421	-7.421	0	%100
59	M119	Y	-7.421	-7.421	0	%100
60	M133A	Y	-5.532	-5.532	0	%100
61	M134A	Y	-5.532	-5.532	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-13.984	-13.984	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.27	-12.27	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-11.727	-11.727	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-9.688	-9.688	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-9.688	-9.688	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-9.688	-9.688	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-12.27	-12.27	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-24.474	-24.474	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.399	-3.399	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.399	-3.399	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-6.232	-6.232	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-6.564	-6.564	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
31	M85	X	0	0	%100
32	M85	Z	-6.232	-6.232	%100
33	M91	X	0	0	%100
34	M91	Z	-6.564	-6.564	%100
35	M36	X	0	0	%100
36	M36	Z	-10.913	-10.913	%100
37	M37	X	0	0	%100
38	M37	Z	-3.067	-3.067	%100
39	M38	X	0	0	%100
40	M38	Z	-3.067	-3.067	%100
41	M39	X	0	0	%100
42	M39	Z	-6.118	-6.118	%100
43	M40	X	0	0	%100
44	M40	Z	-3.399	-3.399	%100
45	M41	X	0	0	%100
46	M41	Z	-13.597	-13.597	%100
47	M45	X	0	0	%100
48	M45	Z	-18.355	-18.355	%100
49	M46A	X	0	0	%100
50	M46A	Z	-6.232	-6.232	%100
51	M48	X	0	0	%100
52	M48	Z	-6.564	-6.564	%100
53	M50A	X	0	0	%100
54	M50A	Z	-18.355	-18.355	%100
55	M51C	X	0	0	%100
56	M51C	Z	-24.927	-24.927	%100
57	M53	X	0	0	%100
58	M53	Z	-26.255	-26.255	%100
59	M60	X	0	0	%100
60	M60	Z	-10.913	-10.913	%100
61	M61	X	0	0	%100
62	M61	Z	-3.067	-3.067	%100
63	M62	X	0	0	%100
64	M62	Z	-3.067	-3.067	%100
65	M63	X	0	0	%100
66	M63	Z	-6.118	-6.118	%100
67	M64	X	0	0	%100
68	M64	Z	-13.597	-13.597	%100
69	M65	X	0	0	%100
70	M65	Z	-3.399	-3.399	%100
71	M69	X	0	0	%100
72	M69	Z	-18.355	-18.355	%100
73	M70	X	0	0	%100
74	M70	Z	-24.927	-24.927	%100
75	M72	X	0	0	%100
76	M72	Z	-26.255	-26.255	%100
77	M74	X	0	0	%100
78	M74	Z	-18.355	-18.355	%100
79	M75	X	0	0	%100
80	M75	Z	-6.232	-6.232	%100
81	M77A	X	0	0	%100
82	M77A	Z	-6.564	-6.564	%100
83	M82A	X	0	0	%100
84	M82A	Z	-3.496	-3.496	%100
85	M83B	X	0	0	%100
86	M83B	Z	-3.496	-3.496	%100
87	MP5A	X	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
88	MP5A	Z	-9.688	-9.688	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-11.727	-11.727	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-9.688	-9.688	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-9.688	-9.688	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-9.688	-9.688	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-9.688	-9.688	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-11.727	-11.727	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-9.688	-9.688	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-9.688	-9.688	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-9.688	-9.688	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	-9.688	-9.688	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-7.922	-7.922	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-11.727	-11.727	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	-3.294	-3.294	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-13.176	-13.176	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	-3.294	-3.294	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	-2.932	-2.932	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	-2.932	-2.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	5.244	5.244	0	%100
2	M1	Z	-9.083	-9.083	0	%100
3	M4	X	1.819	1.819	0	%100
4	M4	Z	-3.15	-3.15	0	%100
5	M10	X	4.601	4.601	0	%100
6	M10	Z	-7.97	-7.97	0	%100
7	MP3A	X	5.864	5.864	0	%100
8	MP3A	Z	-10.156	-10.156	0	%100
9	MP4A	X	4.844	4.844	0	%100
10	MP4A	Z	-8.39	-8.39	0	%100
11	MP2A	X	4.844	4.844	0	%100
12	MP2A	Z	-8.39	-8.39	0	%100
13	MP1A	X	4.844	4.844	0	%100
14	MP1A	Z	-8.39	-8.39	0	%100
15	M43	X	4.601	4.601	0	%100
16	M43	Z	-7.97	-7.97	0	%100
17	M46	X	9.178	9.178	0	%100
18	M46	Z	-15.896	-15.896	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, %]
19	M51B	X	5.099	5.099	0	%100
20	M51B	Z	-8.831	-8.831	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	3.059	3.059	0	%100
24	M76	Z	-5.299	-5.299	0	%100
25	M77	X	9.348	9.348	0	%100
26	M77	Z	-16.191	-16.191	0	%100
27	M80	X	9.846	9.846	0	%100
28	M80	Z	-17.053	-17.053	0	%100
29	M84	X	3.059	3.059	0	%100
30	M84	Z	-5.299	-5.299	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	1.819	1.819	0	%100
36	M36	Z	-3.15	-3.15	0	%100
37	M37	X	4.601	4.601	0	%100
38	M37	Z	-7.97	-7.97	0	%100
39	M38	X	4.601	4.601	0	%100
40	M38	Z	-7.97	-7.97	0	%100
41	M39	X	9.178	9.178	0	%100
42	M39	Z	-15.896	-15.896	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	5.099	5.099	0	%100
46	M41	Z	-8.831	-8.831	0	%100
47	M45	X	3.059	3.059	0	%100
48	M45	Z	-5.299	-5.299	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	3.059	3.059	0	%100
54	M50A	Z	-5.299	-5.299	0	%100
55	M51C	X	9.348	9.348	0	%100
56	M51C	Z	-16.191	-16.191	0	%100
57	M53	X	9.846	9.846	0	%100
58	M53	Z	-17.053	-17.053	0	%100
59	M60	X	7.275	7.275	0	%100
60	M60	Z	-12.601	-12.601	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	5.099	5.099	0	%100
68	M64	Z	-8.831	-8.831	0	%100
69	M65	X	5.099	5.099	0	%100
70	M65	Z	-8.831	-8.831	0	%100
71	M69	X	12.237	12.237	0	%100
72	M69	Z	-21.195	-21.195	0	%100
73	M70	X	9.348	9.348	0	%100
74	M70	Z	-16.191	-16.191	0	%100
75	M72	X	9.846	9.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
76	M72	Z	-17.053	-17.053	0	%100
77	M74	X	12.237	12.237	0	%100
78	M74	Z	-21.195	-21.195	0	%100
79	M75	X	9.348	9.348	0	%100
80	M75	Z	-16.191	-16.191	0	%100
81	M77A	X	9.846	9.846	0	%100
82	M77A	Z	-17.053	-17.053	0	%100
83	M82A	X	5.244	5.244	0	%100
84	M82A	Z	-9.083	-9.083	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	4.844	4.844	0	%100
88	MP5A	Z	-8.39	-8.39	0	%100
89	MP3C	X	5.864	5.864	0	%100
90	MP3C	Z	-10.156	-10.156	0	%100
91	MP4C	X	4.844	4.844	0	%100
92	MP4C	Z	-8.39	-8.39	0	%100
93	MP2C	X	4.844	4.844	0	%100
94	MP2C	Z	-8.39	-8.39	0	%100
95	MP1C	X	4.844	4.844	0	%100
96	MP1C	Z	-8.39	-8.39	0	%100
97	MP5C	X	4.844	4.844	0	%100
98	MP5C	Z	-8.39	-8.39	0	%100
99	MP3B	X	5.864	5.864	0	%100
100	MP3B	Z	-10.156	-10.156	0	%100
101	MP4B	X	4.844	4.844	0	%100
102	MP4B	Z	-8.39	-8.39	0	%100
103	MP2B	X	4.844	4.844	0	%100
104	MP2B	Z	-8.39	-8.39	0	%100
105	MP1B	X	4.844	4.844	0	%100
106	MP1B	Z	-8.39	-8.39	0	%100
107	MP5B	X	4.844	4.844	0	%100
108	MP5B	Z	-8.39	-8.39	0	%100
109	M107	X	3.961	3.961	0	%100
110	M107	Z	-6.861	-6.861	0	%100
111	M108	X	4.398	4.398	0	%100
112	M108	Z	-7.617	-7.617	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	4.941	4.941	0	%100
116	M118	Z	-8.558	-8.558	0	%100
117	M119	X	4.941	4.941	0	%100
118	M119	Z	-8.558	-8.558	0	%100
119	M133A	X	4.398	4.398	0	%100
120	M133A	Z	-7.617	-7.617	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.028	3.028	0	%100
2	M1	Z	-1.748	-1.748	0	%100
3	M4	X	9.451	9.451	0	%100
4	M4	Z	-5.456	-5.456	0	%100
5	M10	X	2.657	2.657	0	%100
6	M10	Z	-1.534	-1.534	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, %]
7	MP3A	X	10.156	10.156	0	%100
8	MP3A	Z	-5.864	-5.864	0	%100
9	MP4A	X	8.39	8.39	0	%100
10	MP4A	Z	-4.844	-4.844	0	%100
11	MP2A	X	8.39	8.39	0	%100
12	MP2A	Z	-4.844	-4.844	0	%100
13	MP1A	X	8.39	8.39	0	%100
14	MP1A	Z	-4.844	-4.844	0	%100
15	M43	X	2.657	2.657	0	%100
16	M43	Z	-1.534	-1.534	0	%100
17	M46	X	5.299	5.299	0	%100
18	M46	Z	-3.059	-3.059	0	%100
19	M51B	X	11.775	11.775	0	%100
20	M51B	Z	-6.798	-6.798	0	%100
21	M52B	X	2.944	2.944	0	%100
22	M52B	Z	-1.7	-1.7	0	%100
23	M76	X	15.896	15.896	0	%100
24	M76	Z	-9.178	-9.178	0	%100
25	M77	X	21.587	21.587	0	%100
26	M77	Z	-12.464	-12.464	0	%100
27	M80	X	22.738	22.738	0	%100
28	M80	Z	-13.128	-13.128	0	%100
29	M84	X	15.896	15.896	0	%100
30	M84	Z	-9.178	-9.178	0	%100
31	M85	X	5.397	5.397	0	%100
32	M85	Z	-3.116	-3.116	0	%100
33	M91	X	5.684	5.684	0	%100
34	M91	Z	-3.282	-3.282	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	10.626	10.626	0	%100
38	M37	Z	-6.135	-6.135	0	%100
39	M38	X	10.626	10.626	0	%100
40	M38	Z	-6.135	-6.135	0	%100
41	M39	X	21.195	21.195	0	%100
42	M39	Z	-12.237	-12.237	0	%100
43	M40	X	2.944	2.944	0	%100
44	M40	Z	-1.7	-1.7	0	%100
45	M41	X	2.944	2.944	0	%100
46	M41	Z	-1.7	-1.7	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	5.397	5.397	0	%100
50	M46A	Z	-3.116	-3.116	0	%100
51	M48	X	5.684	5.684	0	%100
52	M48	Z	-3.282	-3.282	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	5.397	5.397	0	%100
56	M51C	Z	-3.116	-3.116	0	%100
57	M53	X	5.684	5.684	0	%100
58	M53	Z	-3.282	-3.282	0	%100
59	M60	X	9.451	9.451	0	%100
60	M60	Z	-5.456	-5.456	0	%100
61	M61	X	2.657	2.657	0	%100
62	M61	Z	-1.534	-1.534	0	%100
63	M62	X	2.657	2.657	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
64	M62	Z	-1.534	-1.534	0 %100
65	M63	X	5.299	5.299	0 %100
66	M63	Z	-3.059	-3.059	0 %100
67	M64	X	2.944	2.944	0 %100
68	M64	Z	-1.7	-1.7	0 %100
69	M65	X	11.775	11.775	0 %100
70	M65	Z	-6.798	-6.798	0 %100
71	M69	X	15.896	15.896	0 %100
72	M69	Z	-9.178	-9.178	0 %100
73	M70	X	5.397	5.397	0 %100
74	M70	Z	-3.116	-3.116	0 %100
75	M72	X	5.684	5.684	0 %100
76	M72	Z	-3.282	-3.282	0 %100
77	M74	X	15.896	15.896	0 %100
78	M74	Z	-9.178	-9.178	0 %100
79	M75	X	21.587	21.587	0 %100
80	M75	Z	-12.464	-12.464	0 %100
81	M77A	X	22.738	22.738	0 %100
82	M77A	Z	-13.128	-13.128	0 %100
83	M82A	X	12.11	12.11	0 %100
84	M82A	Z	-6.992	-6.992	0 %100
85	M83B	X	3.028	3.028	0 %100
86	M83B	Z	-1.748	-1.748	0 %100
87	MP5A	X	8.39	8.39	0 %100
88	MP5A	Z	-4.844	-4.844	0 %100
89	MP3C	X	10.156	10.156	0 %100
90	MP3C	Z	-5.864	-5.864	0 %100
91	MP4C	X	8.39	8.39	0 %100
92	MP4C	Z	-4.844	-4.844	0 %100
93	MP2C	X	8.39	8.39	0 %100
94	MP2C	Z	-4.844	-4.844	0 %100
95	MP1C	X	8.39	8.39	0 %100
96	MP1C	Z	-4.844	-4.844	0 %100
97	MP5C	X	8.39	8.39	0 %100
98	MP5C	Z	-4.844	-4.844	0 %100
99	MP3B	X	10.156	10.156	0 %100
100	MP3B	Z	-5.864	-5.864	0 %100
101	MP4B	X	8.39	8.39	0 %100
102	MP4B	Z	-4.844	-4.844	0 %100
103	MP2B	X	8.39	8.39	0 %100
104	MP2B	Z	-4.844	-4.844	0 %100
105	MP1B	X	8.39	8.39	0 %100
106	MP1B	Z	-4.844	-4.844	0 %100
107	MP5B	X	8.39	8.39	0 %100
108	MP5B	Z	-4.844	-4.844	0 %100
109	M107	X	6.861	6.861	0 %100
110	M107	Z	-3.961	-3.961	0 %100
111	M108	X	2.539	2.539	0 %100
112	M108	Z	-1.466	-1.466	0 %100
113	M117	X	2.853	2.853	0 %100
114	M117	Z	-1.647	-1.647	0 %100
115	M118	X	2.853	2.853	0 %100
116	M118	Z	-1.647	-1.647	0 %100
117	M119	X	11.411	11.411	0 %100
118	M119	Z	-6.588	-6.588	0 %100
119	M133A	X	10.156	10.156	0 %100
120	M133A	Z	-5.864	-5.864	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, %]
121	M134A	X	2.539	2.539	0	%100
122	M134A	Z	-1.466	-1.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	14.55	14.55	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	11.727	11.727	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	9.688	9.688	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	9.688	9.688	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	9.688	9.688	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	10.197	10.197	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	10.197	10.197	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	24.474	24.474	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	18.695	18.695	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	19.691	19.691	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	24.474	24.474	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	18.695	18.695	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	19.691	19.691	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	3.638	3.638	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	9.202	9.202	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	9.202	9.202	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	18.355	18.355	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	10.197	10.197	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	6.118	6.118	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	18.695	18.695	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	19.691	19.691	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, %]	
52	M48	Z	0	0	0	%100
53	M50A	X	6.118	6.118	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M60	X	3.638	3.638	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	9.202	9.202	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	9.202	9.202	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	18.355	18.355	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	10.197	10.197	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	6.118	6.118	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	6.118	6.118	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	18.695	18.695	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	19.691	19.691	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	10.488	10.488	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	10.488	10.488	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	9.688	9.688	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	11.727	11.727	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	9.688	9.688	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	9.688	9.688	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	9.688	9.688	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	9.688	9.688	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	11.727	11.727	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	9.688	9.688	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	9.688	9.688	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	9.688	9.688	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	9.688	9.688	0	%100
108	MP5B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M107	X	7.922	7.922	0	%100
110	M107	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M117	X	9.882	9.882	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M119	X	9.882	9.882	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	8.795	8.795	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	8.795	8.795	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.028	3.028	0	%100
2	M1	Z	1.748	1.748	0	%100
3	M4	X	9.451	9.451	0	%100
4	M4	Z	5.456	5.456	0	%100
5	M10	X	2.657	2.657	0	%100
6	M10	Z	1.534	1.534	0	%100
7	MP3A	X	10.156	10.156	0	%100
8	MP3A	Z	5.864	5.864	0	%100
9	MP4A	X	8.39	8.39	0	%100
10	MP4A	Z	4.844	4.844	0	%100
11	MP2A	X	8.39	8.39	0	%100
12	MP2A	Z	4.844	4.844	0	%100
13	MP1A	X	8.39	8.39	0	%100
14	MP1A	Z	4.844	4.844	0	%100
15	M43	X	2.657	2.657	0	%100
16	M43	Z	1.534	1.534	0	%100
17	M46	X	5.299	5.299	0	%100
18	M46	Z	3.059	3.059	0	%100
19	M51B	X	2.944	2.944	0	%100
20	M51B	Z	1.7	1.7	0	%100
21	M52B	X	11.775	11.775	0	%100
22	M52B	Z	6.798	6.798	0	%100
23	M76	X	15.896	15.896	0	%100
24	M76	Z	9.178	9.178	0	%100
25	M77	X	5.397	5.397	0	%100
26	M77	Z	3.116	3.116	0	%100
27	M80	X	5.684	5.684	0	%100
28	M80	Z	3.282	3.282	0	%100
29	M84	X	15.896	15.896	0	%100
30	M84	Z	9.178	9.178	0	%100
31	M85	X	21.587	21.587	0	%100
32	M85	Z	12.464	12.464	0	%100
33	M91	X	22.738	22.738	0	%100
34	M91	Z	13.128	13.128	0	%100
35	M36	X	9.451	9.451	0	%100
36	M36	Z	5.456	5.456	0	%100
37	M37	X	2.657	2.657	0	%100
38	M37	Z	1.534	1.534	0	%100
39	M38	X	2.657	2.657	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
40	M38	Z	1.534	1.534	0 %100
41	M39	X	5.299	5.299	0 %100
42	M39	Z	3.059	3.059	0 %100
43	M40	X	11.775	11.775	0 %100
44	M40	Z	6.798	6.798	0 %100
45	M41	X	2.944	2.944	0 %100
46	M41	Z	1.7	1.7	0 %100
47	M45	X	15.896	15.896	0 %100
48	M45	Z	9.178	9.178	0 %100
49	M46A	X	21.587	21.587	0 %100
50	M46A	Z	12.464	12.464	0 %100
51	M48	X	22.738	22.738	0 %100
52	M48	Z	13.128	13.128	0 %100
53	M50A	X	15.896	15.896	0 %100
54	M50A	Z	9.178	9.178	0 %100
55	M51C	X	5.397	5.397	0 %100
56	M51C	Z	3.116	3.116	0 %100
57	M53	X	5.684	5.684	0 %100
58	M53	Z	3.282	3.282	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	0	0	0 %100
61	M61	X	10.626	10.626	0 %100
62	M61	Z	6.135	6.135	0 %100
63	M62	X	10.626	10.626	0 %100
64	M62	Z	6.135	6.135	0 %100
65	M63	X	21.195	21.195	0 %100
66	M63	Z	12.237	12.237	0 %100
67	M64	X	2.944	2.944	0 %100
68	M64	Z	1.7	1.7	0 %100
69	M65	X	2.944	2.944	0 %100
70	M65	Z	1.7	1.7	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	0	0	0 %100
73	M70	X	5.397	5.397	0 %100
74	M70	Z	3.116	3.116	0 %100
75	M72	X	5.684	5.684	0 %100
76	M72	Z	3.282	3.282	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	0	0	0 %100
79	M75	X	5.397	5.397	0 %100
80	M75	Z	3.116	3.116	0 %100
81	M77A	X	5.684	5.684	0 %100
82	M77A	Z	3.282	3.282	0 %100
83	M82A	X	3.028	3.028	0 %100
84	M82A	Z	1.748	1.748	0 %100
85	M83B	X	12.11	12.11	0 %100
86	M83B	Z	6.992	6.992	0 %100
87	MP5A	X	8.39	8.39	0 %100
88	MP5A	Z	4.844	4.844	0 %100
89	MP3C	X	10.156	10.156	0 %100
90	MP3C	Z	5.864	5.864	0 %100
91	MP4C	X	8.39	8.39	0 %100
92	MP4C	Z	4.844	4.844	0 %100
93	MP2C	X	8.39	8.39	0 %100
94	MP2C	Z	4.844	4.844	0 %100
95	MP1C	X	8.39	8.39	0 %100
96	MP1C	Z	4.844	4.844	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
97	MP5C	X	8.39	8.39	0	%100
98	MP5C	Z	4.844	4.844	0	%100
99	MP3B	X	10.156	10.156	0	%100
100	MP3B	Z	5.864	5.864	0	%100
101	MP4B	X	8.39	8.39	0	%100
102	MP4B	Z	4.844	4.844	0	%100
103	MP2B	X	8.39	8.39	0	%100
104	MP2B	Z	4.844	4.844	0	%100
105	MP1B	X	8.39	8.39	0	%100
106	MP1B	Z	4.844	4.844	0	%100
107	MP5B	X	8.39	8.39	0	%100
108	MP5B	Z	4.844	4.844	0	%100
109	M107	X	6.861	6.861	0	%100
110	M107	Z	3.961	3.961	0	%100
111	M108	X	2.539	2.539	0	%100
112	M108	Z	1.466	1.466	0	%100
113	M117	X	11.411	11.411	0	%100
114	M117	Z	6.588	6.588	0	%100
115	M118	X	2.853	2.853	0	%100
116	M118	Z	1.647	1.647	0	%100
117	M119	X	2.853	2.853	0	%100
118	M119	Z	1.647	1.647	0	%100
119	M133A	X	2.539	2.539	0	%100
120	M133A	Z	1.466	1.466	0	%100
121	M134A	X	10.156	10.156	0	%100
122	M134A	Z	5.864	5.864	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	5.244	5.244	0	%100
2	M1	Z	9.083	9.083	0	%100
3	M4	X	1.819	1.819	0	%100
4	M4	Z	3.15	3.15	0	%100
5	M10	X	4.601	4.601	0	%100
6	M10	Z	7.97	7.97	0	%100
7	MP3A	X	5.864	5.864	0	%100
8	MP3A	Z	10.156	10.156	0	%100
9	MP4A	X	4.844	4.844	0	%100
10	MP4A	Z	8.39	8.39	0	%100
11	MP2A	X	4.844	4.844	0	%100
12	MP2A	Z	8.39	8.39	0	%100
13	MP1A	X	4.844	4.844	0	%100
14	MP1A	Z	8.39	8.39	0	%100
15	M43	X	4.601	4.601	0	%100
16	M43	Z	7.97	7.97	0	%100
17	M46	X	9.178	9.178	0	%100
18	M46	Z	15.896	15.896	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	5.099	5.099	0	%100
22	M52B	Z	8.831	8.831	0	%100
23	M76	X	3.059	3.059	0	%100
24	M76	Z	5.299	5.299	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	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,%]
28	M80	Z	0	0	0	%100
29	M84	X	3.059	3.059	0	%100
30	M84	Z	5.299	5.299	0	%100
31	M85	X	9.348	9.348	0	%100
32	M85	Z	16.191	16.191	0	%100
33	M91	X	9.846	9.846	0	%100
34	M91	Z	17.053	17.053	0	%100
35	M36	X	7.275	7.275	0	%100
36	M36	Z	12.601	12.601	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	5.099	5.099	0	%100
44	M40	Z	8.831	8.831	0	%100
45	M41	X	5.099	5.099	0	%100
46	M41	Z	8.831	8.831	0	%100
47	M45	X	12.237	12.237	0	%100
48	M45	Z	21.195	21.195	0	%100
49	M46A	X	9.348	9.348	0	%100
50	M46A	Z	16.191	16.191	0	%100
51	M48	X	9.846	9.846	0	%100
52	M48	Z	17.053	17.053	0	%100
53	M50A	X	12.237	12.237	0	%100
54	M50A	Z	21.195	21.195	0	%100
55	M51C	X	9.348	9.348	0	%100
56	M51C	Z	16.191	16.191	0	%100
57	M53	X	9.846	9.846	0	%100
58	M53	Z	17.053	17.053	0	%100
59	M60	X	1.819	1.819	0	%100
60	M60	Z	3.15	3.15	0	%100
61	M61	X	4.601	4.601	0	%100
62	M61	Z	7.97	7.97	0	%100
63	M62	X	4.601	4.601	0	%100
64	M62	Z	7.97	7.97	0	%100
65	M63	X	9.178	9.178	0	%100
66	M63	Z	15.896	15.896	0	%100
67	M64	X	5.099	5.099	0	%100
68	M64	Z	8.831	8.831	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	3.059	3.059	0	%100
72	M69	Z	5.299	5.299	0	%100
73	M70	X	9.348	9.348	0	%100
74	M70	Z	16.191	16.191	0	%100
75	M72	X	9.846	9.846	0	%100
76	M72	Z	17.053	17.053	0	%100
77	M74	X	3.059	3.059	0	%100
78	M74	Z	5.299	5.299	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	M83B	X	5.244	5.244	0	%100
86	M83B	Z	9.083	9.083	0	%100
87	MP5A	X	4.844	4.844	0	%100
88	MP5A	Z	8.39	8.39	0	%100
89	MP3C	X	5.864	5.864	0	%100
90	MP3C	Z	10.156	10.156	0	%100
91	MP4C	X	4.844	4.844	0	%100
92	MP4C	Z	8.39	8.39	0	%100
93	MP2C	X	4.844	4.844	0	%100
94	MP2C	Z	8.39	8.39	0	%100
95	MP1C	X	4.844	4.844	0	%100
96	MP1C	Z	8.39	8.39	0	%100
97	MP5C	X	4.844	4.844	0	%100
98	MP5C	Z	8.39	8.39	0	%100
99	MP3B	X	5.864	5.864	0	%100
100	MP3B	Z	10.156	10.156	0	%100
101	MP4B	X	4.844	4.844	0	%100
102	MP4B	Z	8.39	8.39	0	%100
103	MP2B	X	4.844	4.844	0	%100
104	MP2B	Z	8.39	8.39	0	%100
105	MP1B	X	4.844	4.844	0	%100
106	MP1B	Z	8.39	8.39	0	%100
107	MP5B	X	4.844	4.844	0	%100
108	MP5B	Z	8.39	8.39	0	%100
109	M107	X	3.961	3.961	0	%100
110	M107	Z	6.861	6.861	0	%100
111	M108	X	4.398	4.398	0	%100
112	M108	Z	7.617	7.617	0	%100
113	M117	X	4.941	4.941	0	%100
114	M117	Z	8.558	8.558	0	%100
115	M118	X	4.941	4.941	0	%100
116	M118	Z	8.558	8.558	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	4.398	4.398	0	%100
122	M134A	Z	7.617	7.617	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	13.984	13.984	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.27	12.27	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	11.727	11.727	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	9.688	9.688	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	9.688	9.688	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	9.688	9.688	0	%100
15	M43	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,%]
16	M43	Z	12.27	12.27	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	24.474	24.474	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.399	3.399	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	3.399	3.399	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	6.232	6.232	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	6.564	6.564	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	6.232	6.232	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	6.564	6.564	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	10.913	10.913	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	3.067	3.067	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	3.067	3.067	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	6.118	6.118	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	3.399	3.399	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	13.597	13.597	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	18.355	18.355	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	6.232	6.232	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	6.564	6.564	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	18.355	18.355	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	24.927	24.927	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	26.255	26.255	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	10.913	10.913	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	3.067	3.067	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	3.067	3.067	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	6.118	6.118	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	13.597	13.597	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	3.399	3.399	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	18.355	18.355	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, %]
73	M70	X	0	0	0	%100
74	M70	Z	24.927	24.927	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	26.255	26.255	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	18.355	18.355	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	6.232	6.232	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	6.564	6.564	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	3.496	3.496	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	3.496	3.496	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	9.688	9.688	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	11.727	11.727	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	9.688	9.688	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	9.688	9.688	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	9.688	9.688	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	9.688	9.688	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	11.727	11.727	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	9.688	9.688	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	9.688	9.688	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	9.688	9.688	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	9.688	9.688	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	7.922	7.922	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	11.727	11.727	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	3.294	3.294	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	13.176	13.176	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	3.294	3.294	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	2.932	2.932	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	2.932	2.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-5.244	-5.244	0	%100
2	M1	Z	9.083	9.083	0	%100
3	M4	X	-1.819	-1.819	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,%]
4	M4	Z	3.15	3.15	0 %100
5	M10	X	-4.601	-4.601	0 %100
6	M10	Z	7.97	7.97	0 %100
7	MP3A	X	-5.864	-5.864	0 %100
8	MP3A	Z	10.156	10.156	0 %100
9	MP4A	X	-4.844	-4.844	0 %100
10	MP4A	Z	8.39	8.39	0 %100
11	MP2A	X	-4.844	-4.844	0 %100
12	MP2A	Z	8.39	8.39	0 %100
13	MP1A	X	-4.844	-4.844	0 %100
14	MP1A	Z	8.39	8.39	0 %100
15	M43	X	-4.601	-4.601	0 %100
16	M43	Z	7.97	7.97	0 %100
17	M46	X	-9.178	-9.178	0 %100
18	M46	Z	15.896	15.896	0 %100
19	M51B	X	-5.099	-5.099	0 %100
20	M51B	Z	8.831	8.831	0 %100
21	M52B	X	0	0	0 %100
22	M52B	Z	0	0	0 %100
23	M76	X	-3.059	-3.059	0 %100
24	M76	Z	5.299	5.299	0 %100
25	M77	X	-9.348	-9.348	0 %100
26	M77	Z	16.191	16.191	0 %100
27	M80	X	-9.846	-9.846	0 %100
28	M80	Z	17.053	17.053	0 %100
29	M84	X	-3.059	-3.059	0 %100
30	M84	Z	5.299	5.299	0 %100
31	M85	X	0	0	0 %100
32	M85	Z	0	0	0 %100
33	M91	X	0	0	0 %100
34	M91	Z	0	0	0 %100
35	M36	X	-1.819	-1.819	0 %100
36	M36	Z	3.15	3.15	0 %100
37	M37	X	-4.601	-4.601	0 %100
38	M37	Z	7.97	7.97	0 %100
39	M38	X	-4.601	-4.601	0 %100
40	M38	Z	7.97	7.97	0 %100
41	M39	X	-9.178	-9.178	0 %100
42	M39	Z	15.896	15.896	0 %100
43	M40	X	0	0	0 %100
44	M40	Z	0	0	0 %100
45	M41	X	-5.099	-5.099	0 %100
46	M41	Z	8.831	8.831	0 %100
47	M45	X	-3.059	-3.059	0 %100
48	M45	Z	5.299	5.299	0 %100
49	M46A	X	0	0	0 %100
50	M46A	Z	0	0	0 %100
51	M48	X	0	0	0 %100
52	M48	Z	0	0	0 %100
53	M50A	X	-3.059	-3.059	0 %100
54	M50A	Z	5.299	5.299	0 %100
55	M51C	X	-9.348	-9.348	0 %100
56	M51C	Z	16.191	16.191	0 %100
57	M53	X	-9.846	-9.846	0 %100
58	M53	Z	17.053	17.053	0 %100
59	M60	X	-7.275	-7.275	0 %100
60	M60	Z	12.601	12.601	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, %]
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	-5.099	-5.099	0	%100
68	M64	Z	8.831	8.831	0	%100
69	M65	X	-5.099	-5.099	0	%100
70	M65	Z	8.831	8.831	0	%100
71	M69	X	-12.237	-12.237	0	%100
72	M69	Z	21.195	21.195	0	%100
73	M70	X	-9.348	-9.348	0	%100
74	M70	Z	16.191	16.191	0	%100
75	M72	X	-9.846	-9.846	0	%100
76	M72	Z	17.053	17.053	0	%100
77	M74	X	-12.237	-12.237	0	%100
78	M74	Z	21.195	21.195	0	%100
79	M75	X	-9.348	-9.348	0	%100
80	M75	Z	16.191	16.191	0	%100
81	M77A	X	-9.846	-9.846	0	%100
82	M77A	Z	17.053	17.053	0	%100
83	M82A	X	-5.244	-5.244	0	%100
84	M82A	Z	9.083	9.083	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-4.844	-4.844	0	%100
88	MP5A	Z	8.39	8.39	0	%100
89	MP3C	X	-5.864	-5.864	0	%100
90	MP3C	Z	10.156	10.156	0	%100
91	MP4C	X	-4.844	-4.844	0	%100
92	MP4C	Z	8.39	8.39	0	%100
93	MP2C	X	-4.844	-4.844	0	%100
94	MP2C	Z	8.39	8.39	0	%100
95	MP1C	X	-4.844	-4.844	0	%100
96	MP1C	Z	8.39	8.39	0	%100
97	MP5C	X	-4.844	-4.844	0	%100
98	MP5C	Z	8.39	8.39	0	%100
99	MP3B	X	-5.864	-5.864	0	%100
100	MP3B	Z	10.156	10.156	0	%100
101	MP4B	X	-4.844	-4.844	0	%100
102	MP4B	Z	8.39	8.39	0	%100
103	MP2B	X	-4.844	-4.844	0	%100
104	MP2B	Z	8.39	8.39	0	%100
105	MP1B	X	-4.844	-4.844	0	%100
106	MP1B	Z	8.39	8.39	0	%100
107	MP5B	X	-4.844	-4.844	0	%100
108	MP5B	Z	8.39	8.39	0	%100
109	M107	X	-3.961	-3.961	0	%100
110	M107	Z	6.861	6.861	0	%100
111	M108	X	-4.398	-4.398	0	%100
112	M108	Z	7.617	7.617	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	-4.941	-4.941	0	%100
116	M118	Z	8.558	8.558	0	%100
117	M119	X	-4.941	-4.941	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.%]
118	M119	Z	8.558	8.558	0	%100
119	M133A	X	-4.398	-4.398	0	%100
120	M133A	Z	7.617	7.617	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-3.028	-3.028	0	%100
2	M1	Z	1.748	1.748	0	%100
3	M4	X	-9.451	-9.451	0	%100
4	M4	Z	5.456	5.456	0	%100
5	M10	X	-2.657	-2.657	0	%100
6	M10	Z	1.534	1.534	0	%100
7	MP3A	X	-10.156	-10.156	0	%100
8	MP3A	Z	5.864	5.864	0	%100
9	MP4A	X	-8.39	-8.39	0	%100
10	MP4A	Z	4.844	4.844	0	%100
11	MP2A	X	-8.39	-8.39	0	%100
12	MP2A	Z	4.844	4.844	0	%100
13	MP1A	X	-8.39	-8.39	0	%100
14	MP1A	Z	4.844	4.844	0	%100
15	M43	X	-2.657	-2.657	0	%100
16	M43	Z	1.534	1.534	0	%100
17	M46	X	-5.299	-5.299	0	%100
18	M46	Z	3.059	3.059	0	%100
19	M51B	X	-11.775	-11.775	0	%100
20	M51B	Z	6.798	6.798	0	%100
21	M52B	X	-2.944	-2.944	0	%100
22	M52B	Z	1.7	1.7	0	%100
23	M76	X	-15.896	-15.896	0	%100
24	M76	Z	9.178	9.178	0	%100
25	M77	X	-21.587	-21.587	0	%100
26	M77	Z	12.464	12.464	0	%100
27	M80	X	-22.738	-22.738	0	%100
28	M80	Z	13.128	13.128	0	%100
29	M84	X	-15.896	-15.896	0	%100
30	M84	Z	9.178	9.178	0	%100
31	M85	X	-5.397	-5.397	0	%100
32	M85	Z	3.116	3.116	0	%100
33	M91	X	-5.684	-5.684	0	%100
34	M91	Z	3.282	3.282	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	-10.626	-10.626	0	%100
38	M37	Z	6.135	6.135	0	%100
39	M38	X	-10.626	-10.626	0	%100
40	M38	Z	6.135	6.135	0	%100
41	M39	X	-21.195	-21.195	0	%100
42	M39	Z	12.237	12.237	0	%100
43	M40	X	-2.944	-2.944	0	%100
44	M40	Z	1.7	1.7	0	%100
45	M41	X	-2.944	-2.944	0	%100
46	M41	Z	1.7	1.7	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	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, %]
49	M46A	X	-5.397	-5.397	0 %100
50	M46A	Z	3.116	3.116	0 %100
51	M48	X	-5.684	-5.684	0 %100
52	M48	Z	3.282	3.282	0 %100
53	M50A	X	0	0	0 %100
54	M50A	Z	0	0	0 %100
55	M51C	X	-5.397	-5.397	0 %100
56	M51C	Z	3.116	3.116	0 %100
57	M53	X	-5.684	-5.684	0 %100
58	M53	Z	3.282	3.282	0 %100
59	M60	X	-9.451	-9.451	0 %100
60	M60	Z	5.456	5.456	0 %100
61	M61	X	-2.657	-2.657	0 %100
62	M61	Z	1.534	1.534	0 %100
63	M62	X	-2.657	-2.657	0 %100
64	M62	Z	1.534	1.534	0 %100
65	M63	X	-5.299	-5.299	0 %100
66	M63	Z	3.059	3.059	0 %100
67	M64	X	-2.944	-2.944	0 %100
68	M64	Z	1.7	1.7	0 %100
69	M65	X	-11.775	-11.775	0 %100
70	M65	Z	6.798	6.798	0 %100
71	M69	X	-15.896	-15.896	0 %100
72	M69	Z	9.178	9.178	0 %100
73	M70	X	-5.397	-5.397	0 %100
74	M70	Z	3.116	3.116	0 %100
75	M72	X	-5.684	-5.684	0 %100
76	M72	Z	3.282	3.282	0 %100
77	M74	X	-15.896	-15.896	0 %100
78	M74	Z	9.178	9.178	0 %100
79	M75	X	-21.587	-21.587	0 %100
80	M75	Z	12.464	12.464	0 %100
81	M77A	X	-22.738	-22.738	0 %100
82	M77A	Z	13.128	13.128	0 %100
83	M82A	X	-12.11	-12.11	0 %100
84	M82A	Z	6.992	6.992	0 %100
85	M83B	X	-3.028	-3.028	0 %100
86	M83B	Z	1.748	1.748	0 %100
87	MP5A	X	-8.39	-8.39	0 %100
88	MP5A	Z	4.844	4.844	0 %100
89	MP3C	X	-10.156	-10.156	0 %100
90	MP3C	Z	5.864	5.864	0 %100
91	MP4C	X	-8.39	-8.39	0 %100
92	MP4C	Z	4.844	4.844	0 %100
93	MP2C	X	-8.39	-8.39	0 %100
94	MP2C	Z	4.844	4.844	0 %100
95	MP1C	X	-8.39	-8.39	0 %100
96	MP1C	Z	4.844	4.844	0 %100
97	MP5C	X	-8.39	-8.39	0 %100
98	MP5C	Z	4.844	4.844	0 %100
99	MP3B	X	-10.156	-10.156	0 %100
100	MP3B	Z	5.864	5.864	0 %100
101	MP4B	X	-8.39	-8.39	0 %100
102	MP4B	Z	4.844	4.844	0 %100
103	MP2B	X	-8.39	-8.39	0 %100
104	MP2B	Z	4.844	4.844	0 %100
105	MP1B	X	-8.39	-8.39	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
106	MP1B	Z	4.844	4.844	0	%100
107	MP5B	X	-8.39	-8.39	0	%100
108	MP5B	Z	4.844	4.844	0	%100
109	M107	X	-6.861	-6.861	0	%100
110	M107	Z	3.961	3.961	0	%100
111	M108	X	-2.539	-2.539	0	%100
112	M108	Z	1.466	1.466	0	%100
113	M117	X	-2.853	-2.853	0	%100
114	M117	Z	1.647	1.647	0	%100
115	M118	X	-2.853	-2.853	0	%100
116	M118	Z	1.647	1.647	0	%100
117	M119	X	-11.411	-11.411	0	%100
118	M119	Z	6.588	6.588	0	%100
119	M133A	X	-10.156	-10.156	0	%100
120	M133A	Z	5.864	5.864	0	%100
121	M134A	X	-2.539	-2.539	0	%100
122	M134A	Z	1.466	1.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-14.55	-14.55	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-11.727	-11.727	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-9.688	-9.688	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-9.688	-9.688	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-9.688	-9.688	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-10.197	-10.197	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-10.197	-10.197	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-24.474	-24.474	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-18.695	-18.695	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-19.691	-19.691	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-24.474	-24.474	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-18.695	-18.695	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-19.691	-19.691	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	-3.638	-3.638	0	%100
36	M36	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
37	M37	X	-9.202	-9.202	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	-9.202	-9.202	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	-18.355	-18.355	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-10.197	-10.197	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-6.118	-6.118	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-18.695	-18.695	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-19.691	-19.691	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-6.118	-6.118	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M60	X	-3.638	-3.638	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-9.202	-9.202	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-9.202	-9.202	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	-18.355	-18.355	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-10.197	-10.197	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-6.118	-6.118	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-6.118	-6.118	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-18.695	-18.695	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-19.691	-19.691	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	-10.488	-10.488	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-10.488	-10.488	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-9.688	-9.688	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	-11.727	-11.727	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-9.688	-9.688	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-9.688	-9.688	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-9.688	-9.688	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-9.688	-9.688	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	-11.727	-11.727	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-9.688	-9.688	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	-9.688	-9.688	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	-9.688	-9.688	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	-9.688	-9.688	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	-7.922	-7.922	0	%100
110	M107	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M117	X	-9.882	-9.882	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M119	X	-9.882	-9.882	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	-8.795	-8.795	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	-8.795	-8.795	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-3.028	-3.028	0	%100
2	M1	Z	-1.748	-1.748	0	%100
3	M4	X	-9.451	-9.451	0	%100
4	M4	Z	-5.456	-5.456	0	%100
5	M10	X	-2.657	-2.657	0	%100
6	M10	Z	-1.534	-1.534	0	%100
7	MP3A	X	-10.156	-10.156	0	%100
8	MP3A	Z	-5.864	-5.864	0	%100
9	MP4A	X	-8.39	-8.39	0	%100
10	MP4A	Z	-4.844	-4.844	0	%100
11	MP2A	X	-8.39	-8.39	0	%100
12	MP2A	Z	-4.844	-4.844	0	%100
13	MP1A	X	-8.39	-8.39	0	%100
14	MP1A	Z	-4.844	-4.844	0	%100
15	M43	X	-2.657	-2.657	0	%100
16	M43	Z	-1.534	-1.534	0	%100
17	M46	X	-5.299	-5.299	0	%100
18	M46	Z	-3.059	-3.059	0	%100
19	M51B	X	-2.944	-2.944	0	%100
20	M51B	Z	-1.7	-1.7	0	%100
21	M52B	X	-11.775	-11.775	0	%100
22	M52B	Z	-6.798	-6.798	0	%100
23	M76	X	-15.896	-15.896	0	%100
24	M76	Z	-9.178	-9.178	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, %]
25	M77	X	-5.397	-5.397	0 %100
26	M77	Z	-3.116	-3.116	0 %100
27	M80	X	-5.684	-5.684	0 %100
28	M80	Z	-3.282	-3.282	0 %100
29	M84	X	-15.896	-15.896	0 %100
30	M84	Z	-9.178	-9.178	0 %100
31	M85	X	-21.587	-21.587	0 %100
32	M85	Z	-12.464	-12.464	0 %100
33	M91	X	-22.738	-22.738	0 %100
34	M91	Z	-13.128	-13.128	0 %100
35	M36	X	-9.451	-9.451	0 %100
36	M36	Z	-5.456	-5.456	0 %100
37	M37	X	-2.657	-2.657	0 %100
38	M37	Z	-1.534	-1.534	0 %100
39	M38	X	-2.657	-2.657	0 %100
40	M38	Z	-1.534	-1.534	0 %100
41	M39	X	-5.299	-5.299	0 %100
42	M39	Z	-3.059	-3.059	0 %100
43	M40	X	-11.775	-11.775	0 %100
44	M40	Z	-6.798	-6.798	0 %100
45	M41	X	-2.944	-2.944	0 %100
46	M41	Z	-1.7	-1.7	0 %100
47	M45	X	-15.896	-15.896	0 %100
48	M45	Z	-9.178	-9.178	0 %100
49	M46A	X	-21.587	-21.587	0 %100
50	M46A	Z	-12.464	-12.464	0 %100
51	M48	X	-22.738	-22.738	0 %100
52	M48	Z	-13.128	-13.128	0 %100
53	M50A	X	-15.896	-15.896	0 %100
54	M50A	Z	-9.178	-9.178	0 %100
55	M51C	X	-5.397	-5.397	0 %100
56	M51C	Z	-3.116	-3.116	0 %100
57	M53	X	-5.684	-5.684	0 %100
58	M53	Z	-3.282	-3.282	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	0	0	0 %100
61	M61	X	-10.626	-10.626	0 %100
62	M61	Z	-6.135	-6.135	0 %100
63	M62	X	-10.626	-10.626	0 %100
64	M62	Z	-6.135	-6.135	0 %100
65	M63	X	-21.195	-21.195	0 %100
66	M63	Z	-12.237	-12.237	0 %100
67	M64	X	-2.944	-2.944	0 %100
68	M64	Z	-1.7	-1.7	0 %100
69	M65	X	-2.944	-2.944	0 %100
70	M65	Z	-1.7	-1.7	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	0	0	0 %100
73	M70	X	-5.397	-5.397	0 %100
74	M70	Z	-3.116	-3.116	0 %100
75	M72	X	-5.684	-5.684	0 %100
76	M72	Z	-3.282	-3.282	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	0	0	0 %100
79	M75	X	-5.397	-5.397	0 %100
80	M75	Z	-3.116	-3.116	0 %100
81	M77A	X	-5.684	-5.684	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
82	M77A	Z	-3.282	-3.282	0	%100
83	M82A	X	-3.028	-3.028	0	%100
84	M82A	Z	-1.748	-1.748	0	%100
85	M83B	X	-12.11	-12.11	0	%100
86	M83B	Z	-6.992	-6.992	0	%100
87	MP5A	X	-8.39	-8.39	0	%100
88	MP5A	Z	-4.844	-4.844	0	%100
89	MP3C	X	-10.156	-10.156	0	%100
90	MP3C	Z	-5.864	-5.864	0	%100
91	MP4C	X	-8.39	-8.39	0	%100
92	MP4C	Z	-4.844	-4.844	0	%100
93	MP2C	X	-8.39	-8.39	0	%100
94	MP2C	Z	-4.844	-4.844	0	%100
95	MP1C	X	-8.39	-8.39	0	%100
96	MP1C	Z	-4.844	-4.844	0	%100
97	MP5C	X	-8.39	-8.39	0	%100
98	MP5C	Z	-4.844	-4.844	0	%100
99	MP3B	X	-10.156	-10.156	0	%100
100	MP3B	Z	-5.864	-5.864	0	%100
101	MP4B	X	-8.39	-8.39	0	%100
102	MP4B	Z	-4.844	-4.844	0	%100
103	MP2B	X	-8.39	-8.39	0	%100
104	MP2B	Z	-4.844	-4.844	0	%100
105	MP1B	X	-8.39	-8.39	0	%100
106	MP1B	Z	-4.844	-4.844	0	%100
107	MP5B	X	-8.39	-8.39	0	%100
108	MP5B	Z	-4.844	-4.844	0	%100
109	M107	X	-6.861	-6.861	0	%100
110	M107	Z	-3.961	-3.961	0	%100
111	M108	X	-2.539	-2.539	0	%100
112	M108	Z	-1.466	-1.466	0	%100
113	M117	X	-11.411	-11.411	0	%100
114	M117	Z	-6.588	-6.588	0	%100
115	M118	X	-2.853	-2.853	0	%100
116	M118	Z	-1.647	-1.647	0	%100
117	M119	X	-2.853	-2.853	0	%100
118	M119	Z	-1.647	-1.647	0	%100
119	M133A	X	-2.539	-2.539	0	%100
120	M133A	Z	-1.466	-1.466	0	%100
121	M134A	X	-10.156	-10.156	0	%100
122	M134A	Z	-5.864	-5.864	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-5.244	-5.244	0	%100
2	M1	Z	-9.083	-9.083	0	%100
3	M4	X	-1.819	-1.819	0	%100
4	M4	Z	-3.15	-3.15	0	%100
5	M10	X	-4.601	-4.601	0	%100
6	M10	Z	-7.97	-7.97	0	%100
7	MP3A	X	-5.864	-5.864	0	%100
8	MP3A	Z	-10.156	-10.156	0	%100
9	MP4A	X	-4.844	-4.844	0	%100
10	MP4A	Z	-8.39	-8.39	0	%100
11	MP2A	X	-4.844	-4.844	0	%100
12	MP2A	Z	-8.39	-8.39	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, %]
13	MP1A	X	-4.844	-4.844	0 %100
14	MP1A	Z	-8.39	-8.39	0 %100
15	M43	X	-4.601	-4.601	0 %100
16	M43	Z	-7.97	-7.97	0 %100
17	M46	X	-9.178	-9.178	0 %100
18	M46	Z	-15.896	-15.896	0 %100
19	M51B	X	0	0	0 %100
20	M51B	Z	0	0	0 %100
21	M52B	X	-5.099	-5.099	0 %100
22	M52B	Z	-8.831	-8.831	0 %100
23	M76	X	-3.059	-3.059	0 %100
24	M76	Z	-5.299	-5.299	0 %100
25	M77	X	0	0	0 %100
26	M77	Z	0	0	0 %100
27	M80	X	0	0	0 %100
28	M80	Z	0	0	0 %100
29	M84	X	-3.059	-3.059	0 %100
30	M84	Z	-5.299	-5.299	0 %100
31	M85	X	-9.348	-9.348	0 %100
32	M85	Z	-16.191	-16.191	0 %100
33	M91	X	-9.846	-9.846	0 %100
34	M91	Z	-17.053	-17.053	0 %100
35	M36	X	-7.275	-7.275	0 %100
36	M36	Z	-12.601	-12.601	0 %100
37	M37	X	0	0	0 %100
38	M37	Z	0	0	0 %100
39	M38	X	0	0	0 %100
40	M38	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M40	X	-5.099	-5.099	0 %100
44	M40	Z	-8.831	-8.831	0 %100
45	M41	X	-5.099	-5.099	0 %100
46	M41	Z	-8.831	-8.831	0 %100
47	M45	X	-12.237	-12.237	0 %100
48	M45	Z	-21.195	-21.195	0 %100
49	M46A	X	-9.348	-9.348	0 %100
50	M46A	Z	-16.191	-16.191	0 %100
51	M48	X	-9.846	-9.846	0 %100
52	M48	Z	-17.053	-17.053	0 %100
53	M50A	X	-12.237	-12.237	0 %100
54	M50A	Z	-21.195	-21.195	0 %100
55	M51C	X	-9.348	-9.348	0 %100
56	M51C	Z	-16.191	-16.191	0 %100
57	M53	X	-9.846	-9.846	0 %100
58	M53	Z	-17.053	-17.053	0 %100
59	M60	X	-1.819	-1.819	0 %100
60	M60	Z	-3.15	-3.15	0 %100
61	M61	X	-4.601	-4.601	0 %100
62	M61	Z	-7.97	-7.97	0 %100
63	M62	X	-4.601	-4.601	0 %100
64	M62	Z	-7.97	-7.97	0 %100
65	M63	X	-9.178	-9.178	0 %100
66	M63	Z	-15.896	-15.896	0 %100
67	M64	X	-5.099	-5.099	0 %100
68	M64	Z	-8.831	-8.831	0 %100
69	M65	X	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,%]	
70	M65	Z	0	0	0	%100
71	M69	X	-3.059	-3.059	0	%100
72	M69	Z	-5.299	-5.299	0	%100
73	M70	X	-9.348	-9.348	0	%100
74	M70	Z	-16.191	-16.191	0	%100
75	M72	X	-9.846	-9.846	0	%100
76	M72	Z	-17.053	-17.053	0	%100
77	M74	X	-3.059	-3.059	0	%100
78	M74	Z	-5.299	-5.299	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-5.244	-5.244	0	%100
86	M83B	Z	-9.083	-9.083	0	%100
87	MP5A	X	-4.844	-4.844	0	%100
88	MP5A	Z	-8.39	-8.39	0	%100
89	MP3C	X	-5.864	-5.864	0	%100
90	MP3C	Z	-10.156	-10.156	0	%100
91	MP4C	X	-4.844	-4.844	0	%100
92	MP4C	Z	-8.39	-8.39	0	%100
93	MP2C	X	-4.844	-4.844	0	%100
94	MP2C	Z	-8.39	-8.39	0	%100
95	MP1C	X	-4.844	-4.844	0	%100
96	MP1C	Z	-8.39	-8.39	0	%100
97	MP5C	X	-4.844	-4.844	0	%100
98	MP5C	Z	-8.39	-8.39	0	%100
99	MP3B	X	-5.864	-5.864	0	%100
100	MP3B	Z	-10.156	-10.156	0	%100
101	MP4B	X	-4.844	-4.844	0	%100
102	MP4B	Z	-8.39	-8.39	0	%100
103	MP2B	X	-4.844	-4.844	0	%100
104	MP2B	Z	-8.39	-8.39	0	%100
105	MP1B	X	-4.844	-4.844	0	%100
106	MP1B	Z	-8.39	-8.39	0	%100
107	MP5B	X	-4.844	-4.844	0	%100
108	MP5B	Z	-8.39	-8.39	0	%100
109	M107	X	-3.961	-3.961	0	%100
110	M107	Z	-6.861	-6.861	0	%100
111	M108	X	-4.398	-4.398	0	%100
112	M108	Z	-7.617	-7.617	0	%100
113	M117	X	-4.941	-4.941	0	%100
114	M117	Z	-8.558	-8.558	0	%100
115	M118	X	-4.941	-4.941	0	%100
116	M118	Z	-8.558	-8.558	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	-4.398	-4.398	0	%100
122	M134A	Z	-7.617	-7.617	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,%]
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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, %]
1	M1	X	0	0	0	%100
2	M1	Z	-4.08	-4.08	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.364	-3.364	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.637	-3.637	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.283	-3.283	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.283	-3.283	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.283	-3.283	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.364	-3.364	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.271	-5.271	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-0.979	-0.979	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-0.979	-0.979	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.315	-1.315	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.373	-1.373	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.315	-1.315	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.373	-1.373	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-3.095	-3.095	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	-0.841	-0.841	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	-0.841	-0.841	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.318	-1.318	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-0.979	-0.979	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-3.917	-3.917	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-3.887	-3.887	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-1.315	-1.315	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-1.373	-1.373	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-3.887	-3.887	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-5.262	-5.262	0	%100
57	M53	X	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,%]
58	M53	Z	-5.492	-5.492	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	-3.095	-3.095	0 %100
61	M61	X	0	0	0 %100
62	M61	Z	-.841	-.841	0 %100
63	M62	X	0	0	0 %100
64	M62	Z	-.841	-.841	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	-1.318	-1.318	0 %100
67	M64	X	0	0	0 %100
68	M64	Z	-3.917	-3.917	0 %100
69	M65	X	0	0	0 %100
70	M65	Z	-.979	-.979	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	-3.887	-3.887	0 %100
73	M70	X	0	0	0 %100
74	M70	Z	-5.262	-5.262	0 %100
75	M72	X	0	0	0 %100
76	M72	Z	-5.492	-5.492	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	-3.887	-3.887	0 %100
79	M75	X	0	0	0 %100
80	M75	Z	-1.315	-1.315	0 %100
81	M77A	X	0	0	0 %100
82	M77A	Z	-1.373	-1.373	0 %100
83	M82A	X	0	0	0 %100
84	M82A	Z	-1.02	-1.02	0 %100
85	M83B	X	0	0	0 %100
86	M83B	Z	-1.02	-1.02	0 %100
87	MP5A	X	0	0	0 %100
88	MP5A	Z	-3.283	-3.283	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	-3.637	-3.637	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	-3.283	-3.283	0 %100
93	MP2C	X	0	0	0 %100
94	MP2C	Z	-3.283	-3.283	0 %100
95	MP1C	X	0	0	0 %100
96	MP1C	Z	-3.283	-3.283	0 %100
97	MP5C	X	0	0	0 %100
98	MP5C	Z	-3.283	-3.283	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	-3.637	-3.637	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	-3.283	-3.283	0 %100
103	MP2B	X	0	0	0 %100
104	MP2B	Z	-3.283	-3.283	0 %100
105	MP1B	X	0	0	0 %100
106	MP1B	Z	-3.283	-3.283	0 %100
107	MP5B	X	0	0	0 %100
108	MP5B	Z	-3.283	-3.283	0 %100
109	M107	X	0	0	0 %100
110	M107	Z	-2.707	-2.707	0 %100
111	M108	X	0	0	0 %100
112	M108	Z	-3.637	-3.637	0 %100
113	M117	X	0	0	0 %100
114	M117	Z	-.832	-.832	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, %]
115	M118	X	0	0	0	%100
116	M118	Z	-3.327	-3.327	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	-.832	-.832	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	-.909	-.909	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	-.909	-.909	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.53	1.53	0	%100
2	M1	Z	-2.65	-2.65	0	%100
3	M4	X	.516	.516	0	%100
4	M4	Z	-.894	-.894	0	%100
5	M10	X	1.261	1.261	0	%100
6	M10	Z	-2.185	-2.185	0	%100
7	MP3A	X	1.819	1.819	0	%100
8	MP3A	Z	-3.15	-3.15	0	%100
9	MP4A	X	1.641	1.641	0	%100
10	MP4A	Z	-2.843	-2.843	0	%100
11	MP2A	X	1.641	1.641	0	%100
12	MP2A	Z	-2.843	-2.843	0	%100
13	MP1A	X	1.641	1.641	0	%100
14	MP1A	Z	-2.843	-2.843	0	%100
15	M43	X	1.261	1.261	0	%100
16	M43	Z	-2.185	-2.185	0	%100
17	M46	X	1.977	1.977	0	%100
18	M46	Z	-3.424	-3.424	0	%100
19	M51B	X	1.469	1.469	0	%100
20	M51B	Z	-2.544	-2.544	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.648	.648	0	%100
24	M76	Z	-1.122	-1.122	0	%100
25	M77	X	1.973	1.973	0	%100
26	M77	Z	-3.418	-3.418	0	%100
27	M80	X	2.06	2.06	0	%100
28	M80	Z	-3.567	-3.567	0	%100
29	M84	X	.648	.648	0	%100
30	M84	Z	-1.122	-1.122	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	.516	.516	0	%100
36	M36	Z	-.894	-.894	0	%100
37	M37	X	1.261	1.261	0	%100
38	M37	Z	-2.185	-2.185	0	%100
39	M38	X	1.261	1.261	0	%100
40	M38	Z	-2.185	-2.185	0	%100
41	M39	X	1.977	1.977	0	%100
42	M39	Z	-3.424	-3.424	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	1.469	1.469	0	%100



Company :
 Designer :
 Job Number :
 Model Name :

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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,%]
46	M41	Z	-2.544	-2.544	0 %100
47	M45	X	.648	.648	0 %100
48	M45	Z	-1.122	-1.122	0 %100
49	M46A	X	0	0	0 %100
50	M46A	Z	0	0	0 %100
51	M48	X	0	0	0 %100
52	M48	Z	0	0	0 %100
53	M50A	X	.648	.648	0 %100
54	M50A	Z	-1.122	-1.122	0 %100
55	M51C	X	1.973	1.973	0 %100
56	M51C	Z	-3.418	-3.418	0 %100
57	M53	X	2.06	2.06	0 %100
58	M53	Z	-3.567	-3.567	0 %100
59	M60	X	2.064	2.064	0 %100
60	M60	Z	-3.574	-3.574	0 %100
61	M61	X	0	0	0 %100
62	M61	Z	0	0	0 %100
63	M62	X	0	0	0 %100
64	M62	Z	0	0	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M64	X	1.469	1.469	0 %100
68	M64	Z	-2.544	-2.544	0 %100
69	M65	X	1.469	1.469	0 %100
70	M65	Z	-2.544	-2.544	0 %100
71	M69	X	2.591	2.591	0 %100
72	M69	Z	-4.489	-4.489	0 %100
73	M70	X	1.973	1.973	0 %100
74	M70	Z	-3.418	-3.418	0 %100
75	M72	X	2.06	2.06	0 %100
76	M72	Z	-3.567	-3.567	0 %100
77	M74	X	2.591	2.591	0 %100
78	M74	Z	-4.489	-4.489	0 %100
79	M75	X	1.973	1.973	0 %100
80	M75	Z	-3.418	-3.418	0 %100
81	M77A	X	2.06	2.06	0 %100
82	M77A	Z	-3.567	-3.567	0 %100
83	M82A	X	1.53	1.53	0 %100
84	M82A	Z	-2.65	-2.65	0 %100
85	M83B	X	0	0	0 %100
86	M83B	Z	0	0	0 %100
87	MP5A	X	1.641	1.641	0 %100
88	MP5A	Z	-2.843	-2.843	0 %100
89	MP3C	X	1.819	1.819	0 %100
90	MP3C	Z	-3.15	-3.15	0 %100
91	MP4C	X	1.641	1.641	0 %100
92	MP4C	Z	-2.843	-2.843	0 %100
93	MP2C	X	1.641	1.641	0 %100
94	MP2C	Z	-2.843	-2.843	0 %100
95	MP1C	X	1.641	1.641	0 %100
96	MP1C	Z	-2.843	-2.843	0 %100
97	MP5C	X	1.641	1.641	0 %100
98	MP5C	Z	-2.843	-2.843	0 %100
99	MP3B	X	1.819	1.819	0 %100
100	MP3B	Z	-3.15	-3.15	0 %100
101	MP4B	X	1.641	1.641	0 %100
102	MP4B	Z	-2.843	-2.843	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, %]
103	MP2B	X	1.641	1.641	0	%100
104	MP2B	Z	-2.843	-2.843	0	%100
105	MP1B	X	1.641	1.641	0	%100
106	MP1B	Z	-2.843	-2.843	0	%100
107	MP5B	X	1.641	1.641	0	%100
108	MP5B	Z	-2.843	-2.843	0	%100
109	M107	X	1.354	1.354	0	%100
110	M107	Z	-2.345	-2.345	0	%100
111	M108	X	1.364	1.364	0	%100
112	M108	Z	-2.362	-2.362	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	1.248	1.248	0	%100
116	M118	Z	-2.161	-2.161	0	%100
117	M119	X	1.248	1.248	0	%100
118	M119	Z	-2.161	-2.161	0	%100
119	M133A	X	1.364	1.364	0	%100
120	M133A	Z	-2.362	-2.362	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.883	.883	0	%100
2	M1	Z	-.51	-.51	0	%100
3	M4	X	2.681	2.681	0	%100
4	M4	Z	-1.548	-1.548	0	%100
5	M10	X	.728	.728	0	%100
6	M10	Z	-.42	-.42	0	%100
7	MP3A	X	3.15	3.15	0	%100
8	MP3A	Z	-1.819	-1.819	0	%100
9	MP4A	X	2.843	2.843	0	%100
10	MP4A	Z	-1.641	-1.641	0	%100
11	MP2A	X	2.843	2.843	0	%100
12	MP2A	Z	-1.641	-1.641	0	%100
13	MP1A	X	2.843	2.843	0	%100
14	MP1A	Z	-1.641	-1.641	0	%100
15	M43	X	.728	.728	0	%100
16	M43	Z	-.42	-.42	0	%100
17	M46	X	1.141	1.141	0	%100
18	M46	Z	-.659	-.659	0	%100
19	M51B	X	3.392	3.392	0	%100
20	M51B	Z	-1.958	-1.958	0	%100
21	M52B	X	.848	.848	0	%100
22	M52B	Z	-.49	-.49	0	%100
23	M76	X	3.366	3.366	0	%100
24	M76	Z	-1.944	-1.944	0	%100
25	M77	X	4.557	4.557	0	%100
26	M77	Z	-2.631	-2.631	0	%100
27	M80	X	4.756	4.756	0	%100
28	M80	Z	-2.746	-2.746	0	%100
29	M84	X	3.366	3.366	0	%100
30	M84	Z	-1.944	-1.944	0	%100
31	M85	X	1.139	1.139	0	%100
32	M85	Z	-.658	-.658	0	%100
33	M91	X	1.189	1.189	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M91	Z	-.687	-.687	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	2.913	2.913	0	%100
38	M37	Z	-1.682	-1.682	0	%100
39	M38	X	2.913	2.913	0	%100
40	M38	Z	-1.682	-1.682	0	%100
41	M39	X	4.565	4.565	0	%100
42	M39	Z	-2.636	-2.636	0	%100
43	M40	X	.848	.848	0	%100
44	M40	Z	-.49	-.49	0	%100
45	M41	X	.848	.848	0	%100
46	M41	Z	-.49	-.49	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	1.139	1.139	0	%100
50	M46A	Z	-.658	-.658	0	%100
51	M48	X	1.189	1.189	0	%100
52	M48	Z	-.687	-.687	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	1.139	1.139	0	%100
56	M51C	Z	-.658	-.658	0	%100
57	M53	X	1.189	1.189	0	%100
58	M53	Z	-.687	-.687	0	%100
59	M60	X	2.681	2.681	0	%100
60	M60	Z	-1.548	-1.548	0	%100
61	M61	X	.728	.728	0	%100
62	M61	Z	-.42	-.42	0	%100
63	M62	X	.728	.728	0	%100
64	M62	Z	-.42	-.42	0	%100
65	M63	X	1.141	1.141	0	%100
66	M63	Z	-.659	-.659	0	%100
67	M64	X	.848	.848	0	%100
68	M64	Z	-.49	-.49	0	%100
69	M65	X	3.392	3.392	0	%100
70	M65	Z	-1.958	-1.958	0	%100
71	M69	X	3.366	3.366	0	%100
72	M69	Z	-1.944	-1.944	0	%100
73	M70	X	1.139	1.139	0	%100
74	M70	Z	-.658	-.658	0	%100
75	M72	X	1.189	1.189	0	%100
76	M72	Z	-.687	-.687	0	%100
77	M74	X	3.366	3.366	0	%100
78	M74	Z	-1.944	-1.944	0	%100
79	M75	X	4.557	4.557	0	%100
80	M75	Z	-2.631	-2.631	0	%100
81	M77A	X	4.756	4.756	0	%100
82	M77A	Z	-2.746	-2.746	0	%100
83	M82A	X	3.533	3.533	0	%100
84	M82A	Z	-2.04	-2.04	0	%100
85	M83B	X	.883	.883	0	%100
86	M83B	Z	-.51	-.51	0	%100
87	MP5A	X	2.843	2.843	0	%100
88	MP5A	Z	-1.641	-1.641	0	%100
89	MP3C	X	3.15	3.15	0	%100
90	MP3C	Z	-1.819	-1.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4C	X	2.843	2.843	0	%100
92	MP4C	Z	-1.641	-1.641	0	%100
93	MP2C	X	2.843	2.843	0	%100
94	MP2C	Z	-1.641	-1.641	0	%100
95	MP1C	X	2.843	2.843	0	%100
96	MP1C	Z	-1.641	-1.641	0	%100
97	MP5C	X	2.843	2.843	0	%100
98	MP5C	Z	-1.641	-1.641	0	%100
99	MP3B	X	3.15	3.15	0	%100
100	MP3B	Z	-1.819	-1.819	0	%100
101	MP4B	X	2.843	2.843	0	%100
102	MP4B	Z	-1.641	-1.641	0	%100
103	MP2B	X	2.843	2.843	0	%100
104	MP2B	Z	-1.641	-1.641	0	%100
105	MP1B	X	2.843	2.843	0	%100
106	MP1B	Z	-1.641	-1.641	0	%100
107	MP5B	X	2.843	2.843	0	%100
108	MP5B	Z	-1.641	-1.641	0	%100
109	M107	X	2.345	2.345	0	%100
110	M107	Z	-1.354	-1.354	0	%100
111	M108	X	.787	.787	0	%100
112	M108	Z	-.455	-.455	0	%100
113	M117	X	.72	.72	0	%100
114	M117	Z	-.416	-.416	0	%100
115	M118	X	.72	.72	0	%100
116	M118	Z	-.416	-.416	0	%100
117	M119	X	2.882	2.882	0	%100
118	M119	Z	-1.664	-1.664	0	%100
119	M133A	X	3.15	3.15	0	%100
120	M133A	Z	-1.819	-1.819	0	%100
121	M134A	X	.787	.787	0	%100
122	M134A	Z	-.455	-.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.127	4.127	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	3.637	3.637	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.283	3.283	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.283	3.283	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.283	3.283	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	2.938	2.938	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.938	2.938	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M52B	Z	0	0	0	%100
23	M76	X	5.183	5.183	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.946	3.946	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.119	4.119	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	5.183	5.183	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.946	3.946	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.119	4.119	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	1.032	1.032	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	2.523	2.523	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	2.523	2.523	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	3.953	3.953	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	2.938	2.938	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	1.296	1.296	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	3.946	3.946	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	4.119	4.119	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	1.296	1.296	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M60	X	1.032	1.032	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	2.523	2.523	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	2.523	2.523	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	3.953	3.953	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	2.938	2.938	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	1.296	1.296	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	1.296	1.296	0	%100
78	M74	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M75	X	3.946	3.946	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	4.119	4.119	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	3.06	3.06	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	3.06	3.06	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	3.283	3.283	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	3.637	3.637	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	3.283	3.283	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	3.283	3.283	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	3.283	3.283	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	3.283	3.283	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	3.637	3.637	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	3.283	3.283	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	3.283	3.283	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	3.283	3.283	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	3.283	3.283	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	2.707	2.707	0	%100
110	M107	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M117	X	2.496	2.496	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M119	X	2.496	2.496	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	2.728	2.728	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	2.728	2.728	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.883	.883	0	%100
2	M1	Z	.51	.51	0	%100
3	M4	X	2.681	2.681	0	%100
4	M4	Z	1.548	1.548	0	%100
5	M10	X	.728	.728	0	%100
6	M10	Z	.42	.42	0	%100
7	MP3A	X	3.15	3.15	0	%100
8	MP3A	Z	1.819	1.819	0	%100
9	MP4A	X	2.843	2.843	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,%]
10	MP4A	Z	1.641	1.641	0 %100
11	MP2A	X	2.843	2.843	0 %100
12	MP2A	Z	1.641	1.641	0 %100
13	MP1A	X	2.843	2.843	0 %100
14	MP1A	Z	1.641	1.641	0 %100
15	M43	X	.728	.728	0 %100
16	M43	Z	.42	.42	0 %100
17	M46	X	1.141	1.141	0 %100
18	M46	Z	.659	.659	0 %100
19	M51B	X	.848	.848	0 %100
20	M51B	Z	.49	.49	0 %100
21	M52B	X	3.392	3.392	0 %100
22	M52B	Z	1.958	1.958	0 %100
23	M76	X	3.366	3.366	0 %100
24	M76	Z	1.944	1.944	0 %100
25	M77	X	1.139	1.139	0 %100
26	M77	Z	.658	.658	0 %100
27	M80	X	1.189	1.189	0 %100
28	M80	Z	.687	.687	0 %100
29	M84	X	3.366	3.366	0 %100
30	M84	Z	1.944	1.944	0 %100
31	M85	X	4.557	4.557	0 %100
32	M85	Z	2.631	2.631	0 %100
33	M91	X	4.756	4.756	0 %100
34	M91	Z	2.746	2.746	0 %100
35	M36	X	2.681	2.681	0 %100
36	M36	Z	1.548	1.548	0 %100
37	M37	X	.728	.728	0 %100
38	M37	Z	.42	.42	0 %100
39	M38	X	.728	.728	0 %100
40	M38	Z	.42	.42	0 %100
41	M39	X	1.141	1.141	0 %100
42	M39	Z	.659	.659	0 %100
43	M40	X	3.392	3.392	0 %100
44	M40	Z	1.958	1.958	0 %100
45	M41	X	.848	.848	0 %100
46	M41	Z	.49	.49	0 %100
47	M45	X	3.366	3.366	0 %100
48	M45	Z	1.944	1.944	0 %100
49	M46A	X	4.557	4.557	0 %100
50	M46A	Z	2.631	2.631	0 %100
51	M48	X	4.756	4.756	0 %100
52	M48	Z	2.746	2.746	0 %100
53	M50A	X	3.366	3.366	0 %100
54	M50A	Z	1.944	1.944	0 %100
55	M51C	X	1.139	1.139	0 %100
56	M51C	Z	.658	.658	0 %100
57	M53	X	1.189	1.189	0 %100
58	M53	Z	.687	.687	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	0	0	0 %100
61	M61	X	2.913	2.913	0 %100
62	M61	Z	1.682	1.682	0 %100
63	M62	X	2.913	2.913	0 %100
64	M62	Z	1.682	1.682	0 %100
65	M63	X	4.565	4.565	0 %100
66	M63	Z	2.636	2.636	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M64	X	.848	.848	0 %100
68	M64	Z	.49	.49	0 %100
69	M65	X	.848	.848	0 %100
70	M65	Z	.49	.49	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	0	0	0 %100
73	M70	X	1.139	1.139	0 %100
74	M70	Z	.658	.658	0 %100
75	M72	X	1.189	1.189	0 %100
76	M72	Z	.687	.687	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	0	0	0 %100
79	M75	X	1.139	1.139	0 %100
80	M75	Z	.658	.658	0 %100
81	M77A	X	1.189	1.189	0 %100
82	M77A	Z	.687	.687	0 %100
83	M82A	X	.883	.883	0 %100
84	M82A	Z	.51	.51	0 %100
85	M83B	X	3.533	3.533	0 %100
86	M83B	Z	2.04	2.04	0 %100
87	MP5A	X	2.843	2.843	0 %100
88	MP5A	Z	1.641	1.641	0 %100
89	MP3C	X	3.15	3.15	0 %100
90	MP3C	Z	1.819	1.819	0 %100
91	MP4C	X	2.843	2.843	0 %100
92	MP4C	Z	1.641	1.641	0 %100
93	MP2C	X	2.843	2.843	0 %100
94	MP2C	Z	1.641	1.641	0 %100
95	MP1C	X	2.843	2.843	0 %100
96	MP1C	Z	1.641	1.641	0 %100
97	MP5C	X	2.843	2.843	0 %100
98	MP5C	Z	1.641	1.641	0 %100
99	MP3B	X	3.15	3.15	0 %100
100	MP3B	Z	1.819	1.819	0 %100
101	MP4B	X	2.843	2.843	0 %100
102	MP4B	Z	1.641	1.641	0 %100
103	MP2B	X	2.843	2.843	0 %100
104	MP2B	Z	1.641	1.641	0 %100
105	MP1B	X	2.843	2.843	0 %100
106	MP1B	Z	1.641	1.641	0 %100
107	MP5B	X	2.843	2.843	0 %100
108	MP5B	Z	1.641	1.641	0 %100
109	M107	X	2.345	2.345	0 %100
110	M107	Z	1.354	1.354	0 %100
111	M108	X	.787	.787	0 %100
112	M108	Z	.455	.455	0 %100
113	M117	X	2.882	2.882	0 %100
114	M117	Z	1.664	1.664	0 %100
115	M118	X	.72	.72	0 %100
116	M118	Z	.416	.416	0 %100
117	M119	X	.72	.72	0 %100
118	M119	Z	.416	.416	0 %100
119	M133A	X	.787	.787	0 %100
120	M133A	Z	.455	.455	0 %100
121	M134A	X	3.15	3.15	0 %100
122	M134A	Z	1.819	1.819	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.53	1.53	0	%100
2	M1	Z	2.65	2.65	0	%100
3	M4	X	.516	.516	0	%100
4	M4	Z	.894	.894	0	%100
5	M10	X	1.261	1.261	0	%100
6	M10	Z	2.185	2.185	0	%100
7	MP3A	X	1.819	1.819	0	%100
8	MP3A	Z	3.15	3.15	0	%100
9	MP4A	X	1.641	1.641	0	%100
10	MP4A	Z	2.843	2.843	0	%100
11	MP2A	X	1.641	1.641	0	%100
12	MP2A	Z	2.843	2.843	0	%100
13	MP1A	X	1.641	1.641	0	%100
14	MP1A	Z	2.843	2.843	0	%100
15	M43	X	1.261	1.261	0	%100
16	M43	Z	2.185	2.185	0	%100
17	M46	X	1.977	1.977	0	%100
18	M46	Z	3.424	3.424	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.469	1.469	0	%100
22	M52B	Z	2.544	2.544	0	%100
23	M76	X	.648	.648	0	%100
24	M76	Z	1.122	1.122	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.648	.648	0	%100
30	M84	Z	1.122	1.122	0	%100
31	M85	X	1.973	1.973	0	%100
32	M85	Z	3.418	3.418	0	%100
33	M91	X	2.06	2.06	0	%100
34	M91	Z	3.567	3.567	0	%100
35	M36	X	2.064	2.064	0	%100
36	M36	Z	3.574	3.574	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	1.469	1.469	0	%100
44	M40	Z	2.544	2.544	0	%100
45	M41	X	1.469	1.469	0	%100
46	M41	Z	2.544	2.544	0	%100
47	M45	X	2.591	2.591	0	%100
48	M45	Z	4.489	4.489	0	%100
49	M46A	X	1.973	1.973	0	%100
50	M46A	Z	3.418	3.418	0	%100
51	M48	X	2.06	2.06	0	%100
52	M48	Z	3.567	3.567	0	%100
53	M50A	X	2.591	2.591	0	%100
54	M50A	Z	4.489	4.489	0	%100
55	M51C	X	1.973	1.973	0	%100
56	M51C	Z	3.418	3.418	0	%100
57	M53	X	2.06	2.06	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,%]
58	M53	Z	3.567	3.567	0 %100
59	M60	X	.516	.516	0 %100
60	M60	Z	.894	.894	0 %100
61	M61	X	1.261	1.261	0 %100
62	M61	Z	2.185	2.185	0 %100
63	M62	X	1.261	1.261	0 %100
64	M62	Z	2.185	2.185	0 %100
65	M63	X	1.977	1.977	0 %100
66	M63	Z	3.424	3.424	0 %100
67	M64	X	1.469	1.469	0 %100
68	M64	Z	2.544	2.544	0 %100
69	M65	X	0	0	0 %100
70	M65	Z	0	0	0 %100
71	M69	X	.648	.648	0 %100
72	M69	Z	1.122	1.122	0 %100
73	M70	X	1.973	1.973	0 %100
74	M70	Z	3.418	3.418	0 %100
75	M72	X	2.06	2.06	0 %100
76	M72	Z	3.567	3.567	0 %100
77	M74	X	.648	.648	0 %100
78	M74	Z	1.122	1.122	0 %100
79	M75	X	0	0	0 %100
80	M75	Z	0	0	0 %100
81	M77A	X	0	0	0 %100
82	M77A	Z	0	0	0 %100
83	M82A	X	0	0	0 %100
84	M82A	Z	0	0	0 %100
85	M83B	X	1.53	1.53	0 %100
86	M83B	Z	2.65	2.65	0 %100
87	MP5A	X	1.641	1.641	0 %100
88	MP5A	Z	2.843	2.843	0 %100
89	MP3C	X	1.819	1.819	0 %100
90	MP3C	Z	3.15	3.15	0 %100
91	MP4C	X	1.641	1.641	0 %100
92	MP4C	Z	2.843	2.843	0 %100
93	MP2C	X	1.641	1.641	0 %100
94	MP2C	Z	2.843	2.843	0 %100
95	MP1C	X	1.641	1.641	0 %100
96	MP1C	Z	2.843	2.843	0 %100
97	MP5C	X	1.641	1.641	0 %100
98	MP5C	Z	2.843	2.843	0 %100
99	MP3B	X	1.819	1.819	0 %100
100	MP3B	Z	3.15	3.15	0 %100
101	MP4B	X	1.641	1.641	0 %100
102	MP4B	Z	2.843	2.843	0 %100
103	MP2B	X	1.641	1.641	0 %100
104	MP2B	Z	2.843	2.843	0 %100
105	MP1B	X	1.641	1.641	0 %100
106	MP1B	Z	2.843	2.843	0 %100
107	MP5B	X	1.641	1.641	0 %100
108	MP5B	Z	2.843	2.843	0 %100
109	M107	X	1.354	1.354	0 %100
110	M107	Z	2.345	2.345	0 %100
111	M108	X	1.364	1.364	0 %100
112	M108	Z	2.362	2.362	0 %100
113	M117	X	1.248	1.248	0 %100
114	M117	Z	2.161	2.161	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M118	X	1.248	1.248	0	%100
116	M118	Z	2.161	2.161	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	1.364	1.364	0	%100
122	M134A	Z	2.362	2.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	4.08	4.08	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.364	3.364	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.637	3.637	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.283	3.283	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.283	3.283	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.283	3.283	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.364	3.364	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.271	5.271	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.979	.979	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.979	.979	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.315	1.315	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.373	1.373	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.315	1.315	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.373	1.373	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	3.095	3.095	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	.841	.841	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	.841	.841	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	1.318	1.318	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	.979	.979	0	%100
45	M41	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,%]
46	M41	Z	3.917	3.917	0 %100
47	M45	X	0	0	0 %100
48	M45	Z	3.887	3.887	0 %100
49	M46A	X	0	0	0 %100
50	M46A	Z	1.315	1.315	0 %100
51	M48	X	0	0	0 %100
52	M48	Z	1.373	1.373	0 %100
53	M50A	X	0	0	0 %100
54	M50A	Z	3.887	3.887	0 %100
55	M51C	X	0	0	0 %100
56	M51C	Z	5.262	5.262	0 %100
57	M53	X	0	0	0 %100
58	M53	Z	5.492	5.492	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	3.095	3.095	0 %100
61	M61	X	0	0	0 %100
62	M61	Z	.841	.841	0 %100
63	M62	X	0	0	0 %100
64	M62	Z	.841	.841	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	1.318	1.318	0 %100
67	M64	X	0	0	0 %100
68	M64	Z	3.917	3.917	0 %100
69	M65	X	0	0	0 %100
70	M65	Z	.979	.979	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	3.887	3.887	0 %100
73	M70	X	0	0	0 %100
74	M70	Z	5.262	5.262	0 %100
75	M72	X	0	0	0 %100
76	M72	Z	5.492	5.492	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	3.887	3.887	0 %100
79	M75	X	0	0	0 %100
80	M75	Z	1.315	1.315	0 %100
81	M77A	X	0	0	0 %100
82	M77A	Z	1.373	1.373	0 %100
83	M82A	X	0	0	0 %100
84	M82A	Z	1.02	1.02	0 %100
85	M83B	X	0	0	0 %100
86	M83B	Z	1.02	1.02	0 %100
87	MP5A	X	0	0	0 %100
88	MP5A	Z	3.283	3.283	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	3.637	3.637	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	3.283	3.283	0 %100
93	MP2C	X	0	0	0 %100
94	MP2C	Z	3.283	3.283	0 %100
95	MP1C	X	0	0	0 %100
96	MP1C	Z	3.283	3.283	0 %100
97	MP5C	X	0	0	0 %100
98	MP5C	Z	3.283	3.283	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	3.637	3.637	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	3.283	3.283	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	MP2B	X	0	0	0	%100
104	MP2B	Z	3.283	3.283	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	3.283	3.283	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	3.283	3.283	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	2.707	2.707	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	3.637	3.637	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	.832	.832	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	3.327	3.327	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	.832	.832	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	.909	.909	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	.909	.909	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.53	-1.53	0	%100
2	M1	Z	2.65	2.65	0	%100
3	M4	X	-.516	-.516	0	%100
4	M4	Z	.894	.894	0	%100
5	M10	X	-1.261	-1.261	0	%100
6	M10	Z	2.185	2.185	0	%100
7	MP3A	X	-1.819	-1.819	0	%100
8	MP3A	Z	3.15	3.15	0	%100
9	MP4A	X	-1.641	-1.641	0	%100
10	MP4A	Z	2.843	2.843	0	%100
11	MP2A	X	-1.641	-1.641	0	%100
12	MP2A	Z	2.843	2.843	0	%100
13	MP1A	X	-1.641	-1.641	0	%100
14	MP1A	Z	2.843	2.843	0	%100
15	M43	X	-1.261	-1.261	0	%100
16	M43	Z	2.185	2.185	0	%100
17	M46	X	-1.977	-1.977	0	%100
18	M46	Z	3.424	3.424	0	%100
19	M51B	X	-1.469	-1.469	0	%100
20	M51B	Z	2.544	2.544	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.648	-.648	0	%100
24	M76	Z	1.122	1.122	0	%100
25	M77	X	-1.973	-1.973	0	%100
26	M77	Z	3.418	3.418	0	%100
27	M80	X	-2.06	-2.06	0	%100
28	M80	Z	3.567	3.567	0	%100
29	M84	X	-.648	-.648	0	%100
30	M84	Z	1.122	1.122	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	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,%]
34	M91	Z	0	0	0	%100
35	M36	X	-.516	-.516	0	%100
36	M36	Z	.894	.894	0	%100
37	M37	X	-1.261	-1.261	0	%100
38	M37	Z	2.185	2.185	0	%100
39	M38	X	-1.261	-1.261	0	%100
40	M38	Z	2.185	2.185	0	%100
41	M39	X	-1.977	-1.977	0	%100
42	M39	Z	3.424	3.424	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-1.469	-1.469	0	%100
46	M41	Z	2.544	2.544	0	%100
47	M45	X	-.648	-.648	0	%100
48	M45	Z	1.122	1.122	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-.648	-.648	0	%100
54	M50A	Z	1.122	1.122	0	%100
55	M51C	X	-1.973	-1.973	0	%100
56	M51C	Z	3.418	3.418	0	%100
57	M53	X	-2.06	-2.06	0	%100
58	M53	Z	3.567	3.567	0	%100
59	M60	X	-2.064	-2.064	0	%100
60	M60	Z	3.574	3.574	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	-1.469	-1.469	0	%100
68	M64	Z	2.544	2.544	0	%100
69	M65	X	-1.469	-1.469	0	%100
70	M65	Z	2.544	2.544	0	%100
71	M69	X	-2.591	-2.591	0	%100
72	M69	Z	4.489	4.489	0	%100
73	M70	X	-1.973	-1.973	0	%100
74	M70	Z	3.418	3.418	0	%100
75	M72	X	-2.06	-2.06	0	%100
76	M72	Z	3.567	3.567	0	%100
77	M74	X	-2.591	-2.591	0	%100
78	M74	Z	4.489	4.489	0	%100
79	M75	X	-1.973	-1.973	0	%100
80	M75	Z	3.418	3.418	0	%100
81	M77A	X	-2.06	-2.06	0	%100
82	M77A	Z	3.567	3.567	0	%100
83	M82A	X	-1.53	-1.53	0	%100
84	M82A	Z	2.65	2.65	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-1.641	-1.641	0	%100
88	MP5A	Z	2.843	2.843	0	%100
89	MP3C	X	-1.819	-1.819	0	%100
90	MP3C	Z	3.15	3.15	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, %]
91	MP4C	X	-1.641	-1.641	0	%100
92	MP4C	Z	2.843	2.843	0	%100
93	MP2C	X	-1.641	-1.641	0	%100
94	MP2C	Z	2.843	2.843	0	%100
95	MP1C	X	-1.641	-1.641	0	%100
96	MP1C	Z	2.843	2.843	0	%100
97	MP5C	X	-1.641	-1.641	0	%100
98	MP5C	Z	2.843	2.843	0	%100
99	MP3B	X	-1.819	-1.819	0	%100
100	MP3B	Z	3.15	3.15	0	%100
101	MP4B	X	-1.641	-1.641	0	%100
102	MP4B	Z	2.843	2.843	0	%100
103	MP2B	X	-1.641	-1.641	0	%100
104	MP2B	Z	2.843	2.843	0	%100
105	MP1B	X	-1.641	-1.641	0	%100
106	MP1B	Z	2.843	2.843	0	%100
107	MP5B	X	-1.641	-1.641	0	%100
108	MP5B	Z	2.843	2.843	0	%100
109	M107	X	-1.354	-1.354	0	%100
110	M107	Z	2.345	2.345	0	%100
111	M108	X	-1.364	-1.364	0	%100
112	M108	Z	2.362	2.362	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	-1.248	-1.248	0	%100
116	M118	Z	2.161	2.161	0	%100
117	M119	X	-1.248	-1.248	0	%100
118	M119	Z	2.161	2.161	0	%100
119	M133A	X	-1.364	-1.364	0	%100
120	M133A	Z	2.362	2.362	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.883	-.883	0	%100
2	M1	Z	.51	.51	0	%100
3	M4	X	-2.681	-2.681	0	%100
4	M4	Z	1.548	1.548	0	%100
5	M10	X	-.728	-.728	0	%100
6	M10	Z	.42	.42	0	%100
7	MP3A	X	-3.15	-3.15	0	%100
8	MP3A	Z	1.819	1.819	0	%100
9	MP4A	X	-2.843	-2.843	0	%100
10	MP4A	Z	1.641	1.641	0	%100
11	MP2A	X	-2.843	-2.843	0	%100
12	MP2A	Z	1.641	1.641	0	%100
13	MP1A	X	-2.843	-2.843	0	%100
14	MP1A	Z	1.641	1.641	0	%100
15	M43	X	-.728	-.728	0	%100
16	M43	Z	.42	.42	0	%100
17	M46	X	-1.141	-1.141	0	%100
18	M46	Z	.659	.659	0	%100
19	M51B	X	-3.392	-3.392	0	%100
20	M51B	Z	1.958	1.958	0	%100
21	M52B	X	-.848	-.848	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,%]
22	M52B	Z	.49	.49	0 %100
23	M76	X	-3.366	-3.366	0 %100
24	M76	Z	1.944	1.944	0 %100
25	M77	X	-4.557	-4.557	0 %100
26	M77	Z	2.631	2.631	0 %100
27	M80	X	-4.756	-4.756	0 %100
28	M80	Z	2.746	2.746	0 %100
29	M84	X	-3.366	-3.366	0 %100
30	M84	Z	1.944	1.944	0 %100
31	M85	X	-1.139	-1.139	0 %100
32	M85	Z	.658	.658	0 %100
33	M91	X	-1.189	-1.189	0 %100
34	M91	Z	.687	.687	0 %100
35	M36	X	0	0	0 %100
36	M36	Z	0	0	0 %100
37	M37	X	-2.913	-2.913	0 %100
38	M37	Z	1.682	1.682	0 %100
39	M38	X	-2.913	-2.913	0 %100
40	M38	Z	1.682	1.682	0 %100
41	M39	X	-4.565	-4.565	0 %100
42	M39	Z	2.636	2.636	0 %100
43	M40	X	-.848	-.848	0 %100
44	M40	Z	.49	.49	0 %100
45	M41	X	-.848	-.848	0 %100
46	M41	Z	.49	.49	0 %100
47	M45	X	0	0	0 %100
48	M45	Z	0	0	0 %100
49	M46A	X	-1.139	-1.139	0 %100
50	M46A	Z	.658	.658	0 %100
51	M48	X	-1.189	-1.189	0 %100
52	M48	Z	.687	.687	0 %100
53	M50A	X	0	0	0 %100
54	M50A	Z	0	0	0 %100
55	M51C	X	-1.139	-1.139	0 %100
56	M51C	Z	.658	.658	0 %100
57	M53	X	-1.189	-1.189	0 %100
58	M53	Z	.687	.687	0 %100
59	M60	X	-2.681	-2.681	0 %100
60	M60	Z	1.548	1.548	0 %100
61	M61	X	-.728	-.728	0 %100
62	M61	Z	.42	.42	0 %100
63	M62	X	-.728	-.728	0 %100
64	M62	Z	.42	.42	0 %100
65	M63	X	-1.141	-1.141	0 %100
66	M63	Z	.659	.659	0 %100
67	M64	X	-.848	-.848	0 %100
68	M64	Z	.49	.49	0 %100
69	M65	X	-3.392	-3.392	0 %100
70	M65	Z	1.958	1.958	0 %100
71	M69	X	-3.366	-3.366	0 %100
72	M69	Z	1.944	1.944	0 %100
73	M70	X	-1.139	-1.139	0 %100
74	M70	Z	.658	.658	0 %100
75	M72	X	-1.189	-1.189	0 %100
76	M72	Z	.687	.687	0 %100
77	M74	X	-3.366	-3.366	0 %100
78	M74	Z	1.944	1.944	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M75	X	-4.557	-4.557	0	%100
80	M75	Z	2.631	2.631	0	%100
81	M77A	X	-4.756	-4.756	0	%100
82	M77A	Z	2.746	2.746	0	%100
83	M82A	X	-3.533	-3.533	0	%100
84	M82A	Z	2.04	2.04	0	%100
85	M83B	X	-.883	-.883	0	%100
86	M83B	Z	.51	.51	0	%100
87	MP5A	X	-2.843	-2.843	0	%100
88	MP5A	Z	1.641	1.641	0	%100
89	MP3C	X	-3.15	-3.15	0	%100
90	MP3C	Z	1.819	1.819	0	%100
91	MP4C	X	-2.843	-2.843	0	%100
92	MP4C	Z	1.641	1.641	0	%100
93	MP2C	X	-2.843	-2.843	0	%100
94	MP2C	Z	1.641	1.641	0	%100
95	MP1C	X	-2.843	-2.843	0	%100
96	MP1C	Z	1.641	1.641	0	%100
97	MP5C	X	-2.843	-2.843	0	%100
98	MP5C	Z	1.641	1.641	0	%100
99	MP3B	X	-3.15	-3.15	0	%100
100	MP3B	Z	1.819	1.819	0	%100
101	MP4B	X	-2.843	-2.843	0	%100
102	MP4B	Z	1.641	1.641	0	%100
103	MP2B	X	-2.843	-2.843	0	%100
104	MP2B	Z	1.641	1.641	0	%100
105	MP1B	X	-2.843	-2.843	0	%100
106	MP1B	Z	1.641	1.641	0	%100
107	MP5B	X	-2.843	-2.843	0	%100
108	MP5B	Z	1.641	1.641	0	%100
109	M107	X	-2.345	-2.345	0	%100
110	M107	Z	1.354	1.354	0	%100
111	M108	X	-.787	-.787	0	%100
112	M108	Z	.455	.455	0	%100
113	M117	X	-.72	-.72	0	%100
114	M117	Z	.416	.416	0	%100
115	M118	X	-.72	-.72	0	%100
116	M118	Z	.416	.416	0	%100
117	M119	X	-2.882	-2.882	0	%100
118	M119	Z	1.664	1.664	0	%100
119	M133A	X	-3.15	-3.15	0	%100
120	M133A	Z	1.819	1.819	0	%100
121	M134A	X	-.787	-.787	0	%100
122	M134A	Z	.455	.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.127	-4.127	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-3.637	-3.637	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.283	-3.283	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, %]
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.283	-3.283	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.283	-3.283	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-2.938	-2.938	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.938	-2.938	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-5.183	-5.183	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.946	-3.946	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.119	-4.119	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-5.183	-5.183	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.946	-3.946	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.119	-4.119	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	-1.032	-1.032	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	-2.523	-2.523	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	-2.523	-2.523	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	-3.953	-3.953	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-2.938	-2.938	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-1.296	-1.296	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-3.946	-3.946	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-4.119	-4.119	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-1.296	-1.296	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M60	X	-1.032	-1.032	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-2.523	-2.523	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-2.523	-2.523	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	-3.953	-3.953	0	%100
66	M63	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, %]	
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-2.938	-2.938	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-1.296	-1.296	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-1.296	-1.296	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-3.946	-3.946	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-4.119	-4.119	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	-3.06	-3.06	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-3.06	-3.06	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-3.283	-3.283	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	-3.637	-3.637	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-3.283	-3.283	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-3.283	-3.283	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-3.283	-3.283	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-3.283	-3.283	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	-3.637	-3.637	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-3.283	-3.283	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	-3.283	-3.283	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	-3.283	-3.283	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	-3.283	-3.283	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	-2.707	-2.707	0	%100
110	M107	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M117	X	-2.496	-2.496	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M119	X	-2.496	-2.496	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	-2.728	-2.728	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	-2.728	-2.728	0	%100
122	M134A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	- .883	- .883	0	%100
2	M1	Z	- .51	- .51	0	%100
3	M4	X	-2.681	-2.681	0	%100
4	M4	Z	-1.548	-1.548	0	%100
5	M10	X	- .728	- .728	0	%100
6	M10	Z	- .42	- .42	0	%100
7	MP3A	X	-3.15	-3.15	0	%100
8	MP3A	Z	-1.819	-1.819	0	%100
9	MP4A	X	-2.843	-2.843	0	%100
10	MP4A	Z	-1.641	-1.641	0	%100
11	MP2A	X	-2.843	-2.843	0	%100
12	MP2A	Z	-1.641	-1.641	0	%100
13	MP1A	X	-2.843	-2.843	0	%100
14	MP1A	Z	-1.641	-1.641	0	%100
15	M43	X	- .728	- .728	0	%100
16	M43	Z	- .42	- .42	0	%100
17	M46	X	-1.141	-1.141	0	%100
18	M46	Z	- .659	- .659	0	%100
19	M51B	X	- .848	- .848	0	%100
20	M51B	Z	- .49	- .49	0	%100
21	M52B	X	-3.392	-3.392	0	%100
22	M52B	Z	-1.958	-1.958	0	%100
23	M76	X	-3.366	-3.366	0	%100
24	M76	Z	-1.944	-1.944	0	%100
25	M77	X	-1.139	-1.139	0	%100
26	M77	Z	- .658	- .658	0	%100
27	M80	X	-1.189	-1.189	0	%100
28	M80	Z	- .687	- .687	0	%100
29	M84	X	-3.366	-3.366	0	%100
30	M84	Z	-1.944	-1.944	0	%100
31	M85	X	-4.557	-4.557	0	%100
32	M85	Z	-2.631	-2.631	0	%100
33	M91	X	-4.756	-4.756	0	%100
34	M91	Z	-2.746	-2.746	0	%100
35	M36	X	-2.681	-2.681	0	%100
36	M36	Z	-1.548	-1.548	0	%100
37	M37	X	- .728	- .728	0	%100
38	M37	Z	- .42	- .42	0	%100
39	M38	X	- .728	- .728	0	%100
40	M38	Z	- .42	- .42	0	%100
41	M39	X	-1.141	-1.141	0	%100
42	M39	Z	- .659	- .659	0	%100
43	M40	X	-3.392	-3.392	0	%100
44	M40	Z	-1.958	-1.958	0	%100
45	M41	X	- .848	- .848	0	%100
46	M41	Z	- .49	- .49	0	%100
47	M45	X	-3.366	-3.366	0	%100
48	M45	Z	-1.944	-1.944	0	%100
49	M46A	X	-4.557	-4.557	0	%100
50	M46A	Z	-2.631	-2.631	0	%100
51	M48	X	-4.756	-4.756	0	%100
52	M48	Z	-2.746	-2.746	0	%100
53	M50A	X	-3.366	-3.366	0	%100
54	M50A	Z	-1.944	-1.944	0	%100
55	M51C	X	-1.139	-1.139	0	%100
56	M51C	Z	- .658	- .658	0	%100
57	M53	X	-1.189	-1.189	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M53	Z	-.687	-.687	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	0	0	0 %100
61	M61	X	-2.913	-2.913	0 %100
62	M61	Z	-1.682	-1.682	0 %100
63	M62	X	-2.913	-2.913	0 %100
64	M62	Z	-1.682	-1.682	0 %100
65	M63	X	-4.565	-4.565	0 %100
66	M63	Z	-2.636	-2.636	0 %100
67	M64	X	-.848	-.848	0 %100
68	M64	Z	-.49	-.49	0 %100
69	M65	X	-.848	-.848	0 %100
70	M65	Z	-.49	-.49	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	0	0	0 %100
73	M70	X	-1.139	-1.139	0 %100
74	M70	Z	-.658	-.658	0 %100
75	M72	X	-1.189	-1.189	0 %100
76	M72	Z	-.687	-.687	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	0	0	0 %100
79	M75	X	-1.139	-1.139	0 %100
80	M75	Z	-.658	-.658	0 %100
81	M77A	X	-1.189	-1.189	0 %100
82	M77A	Z	-.687	-.687	0 %100
83	M82A	X	-.883	-.883	0 %100
84	M82A	Z	-.51	-.51	0 %100
85	M83B	X	-3.533	-3.533	0 %100
86	M83B	Z	-2.04	-2.04	0 %100
87	MP5A	X	-2.843	-2.843	0 %100
88	MP5A	Z	-1.641	-1.641	0 %100
89	MP3C	X	-3.15	-3.15	0 %100
90	MP3C	Z	-1.819	-1.819	0 %100
91	MP4C	X	-2.843	-2.843	0 %100
92	MP4C	Z	-1.641	-1.641	0 %100
93	MP2C	X	-2.843	-2.843	0 %100
94	MP2C	Z	-1.641	-1.641	0 %100
95	MP1C	X	-2.843	-2.843	0 %100
96	MP1C	Z	-1.641	-1.641	0 %100
97	MP5C	X	-2.843	-2.843	0 %100
98	MP5C	Z	-1.641	-1.641	0 %100
99	MP3B	X	-3.15	-3.15	0 %100
100	MP3B	Z	-1.819	-1.819	0 %100
101	MP4B	X	-2.843	-2.843	0 %100
102	MP4B	Z	-1.641	-1.641	0 %100
103	MP2B	X	-2.843	-2.843	0 %100
104	MP2B	Z	-1.641	-1.641	0 %100
105	MP1B	X	-2.843	-2.843	0 %100
106	MP1B	Z	-1.641	-1.641	0 %100
107	MP5B	X	-2.843	-2.843	0 %100
108	MP5B	Z	-1.641	-1.641	0 %100
109	M107	X	-2.345	-2.345	0 %100
110	M107	Z	-1.354	-1.354	0 %100
111	M108	X	-.787	-.787	0 %100
112	M108	Z	-.455	-.455	0 %100
113	M117	X	-2.882	-2.882	0 %100
114	M117	Z	-1.664	-1.664	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M118	X	-72	-72	0	%100
116	M118	Z	-416	-416	0	%100
117	M119	X	-72	-72	0	%100
118	M119	Z	-416	-416	0	%100
119	M133A	X	-787	-787	0	%100
120	M133A	Z	-455	-455	0	%100
121	M134A	X	-3.15	-3.15	0	%100
122	M134A	Z	-1.819	-1.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.53	-1.53	0	%100
2	M1	Z	-2.65	-2.65	0	%100
3	M4	X	-516	-516	0	%100
4	M4	Z	-894	-894	0	%100
5	M10	X	-1.261	-1.261	0	%100
6	M10	Z	-2.185	-2.185	0	%100
7	MP3A	X	-1.819	-1.819	0	%100
8	MP3A	Z	-3.15	-3.15	0	%100
9	MP4A	X	-1.641	-1.641	0	%100
10	MP4A	Z	-2.843	-2.843	0	%100
11	MP2A	X	-1.641	-1.641	0	%100
12	MP2A	Z	-2.843	-2.843	0	%100
13	MP1A	X	-1.641	-1.641	0	%100
14	MP1A	Z	-2.843	-2.843	0	%100
15	M43	X	-1.261	-1.261	0	%100
16	M43	Z	-2.185	-2.185	0	%100
17	M46	X	-1.977	-1.977	0	%100
18	M46	Z	-3.424	-3.424	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.469	-1.469	0	%100
22	M52B	Z	-2.544	-2.544	0	%100
23	M76	X	-648	-648	0	%100
24	M76	Z	-1.122	-1.122	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-648	-648	0	%100
30	M84	Z	-1.122	-1.122	0	%100
31	M85	X	-1.973	-1.973	0	%100
32	M85	Z	-3.418	-3.418	0	%100
33	M91	X	-2.06	-2.06	0	%100
34	M91	Z	-3.567	-3.567	0	%100
35	M36	X	-2.064	-2.064	0	%100
36	M36	Z	-3.574	-3.574	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-1.469	-1.469	0	%100
44	M40	Z	-2.544	-2.544	0	%100
45	M41	X	-1.469	-1.469	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,%]
46	M41	Z	-2.544	-2.544	0	%100
47	M45	X	-2.591	-2.591	0	%100
48	M45	Z	-4.489	-4.489	0	%100
49	M46A	X	-1.973	-1.973	0	%100
50	M46A	Z	-3.418	-3.418	0	%100
51	M48	X	-2.06	-2.06	0	%100
52	M48	Z	-3.567	-3.567	0	%100
53	M50A	X	-2.591	-2.591	0	%100
54	M50A	Z	-4.489	-4.489	0	%100
55	M51C	X	-1.973	-1.973	0	%100
56	M51C	Z	-3.418	-3.418	0	%100
57	M53	X	-2.06	-2.06	0	%100
58	M53	Z	-3.567	-3.567	0	%100
59	M60	X	-.516	-.516	0	%100
60	M60	Z	-.894	-.894	0	%100
61	M61	X	-1.261	-1.261	0	%100
62	M61	Z	-2.185	-2.185	0	%100
63	M62	X	-1.261	-1.261	0	%100
64	M62	Z	-2.185	-2.185	0	%100
65	M63	X	-1.977	-1.977	0	%100
66	M63	Z	-3.424	-3.424	0	%100
67	M64	X	-1.469	-1.469	0	%100
68	M64	Z	-2.544	-2.544	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-.648	-.648	0	%100
72	M69	Z	-1.122	-1.122	0	%100
73	M70	X	-1.973	-1.973	0	%100
74	M70	Z	-3.418	-3.418	0	%100
75	M72	X	-2.06	-2.06	0	%100
76	M72	Z	-3.567	-3.567	0	%100
77	M74	X	-.648	-.648	0	%100
78	M74	Z	-1.122	-1.122	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-1.53	-1.53	0	%100
86	M83B	Z	-2.65	-2.65	0	%100
87	MP5A	X	-1.641	-1.641	0	%100
88	MP5A	Z	-2.843	-2.843	0	%100
89	MP3C	X	-1.819	-1.819	0	%100
90	MP3C	Z	-3.15	-3.15	0	%100
91	MP4C	X	-1.641	-1.641	0	%100
92	MP4C	Z	-2.843	-2.843	0	%100
93	MP2C	X	-1.641	-1.641	0	%100
94	MP2C	Z	-2.843	-2.843	0	%100
95	MP1C	X	-1.641	-1.641	0	%100
96	MP1C	Z	-2.843	-2.843	0	%100
97	MP5C	X	-1.641	-1.641	0	%100
98	MP5C	Z	-2.843	-2.843	0	%100
99	MP3B	X	-1.819	-1.819	0	%100
100	MP3B	Z	-3.15	-3.15	0	%100
101	MP4B	X	-1.641	-1.641	0	%100
102	MP4B	Z	-2.843	-2.843	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	MP2B	X	-1.641	-1.641	0	%100
104	MP2B	Z	-2.843	-2.843	0	%100
105	MP1B	X	-1.641	-1.641	0	%100
106	MP1B	Z	-2.843	-2.843	0	%100
107	MP5B	X	-1.641	-1.641	0	%100
108	MP5B	Z	-2.843	-2.843	0	%100
109	M107	X	-1.354	-1.354	0	%100
110	M107	Z	-2.345	-2.345	0	%100
111	M108	X	-1.364	-1.364	0	%100
112	M108	Z	-2.362	-2.362	0	%100
113	M117	X	-1.248	-1.248	0	%100
114	M117	Z	-2.161	-2.161	0	%100
115	M118	X	-1.248	-1.248	0	%100
116	M118	Z	-2.161	-2.161	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	-1.364	-1.364	0	%100
122	M134A	Z	-2.362	-2.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-0.874	-0.874	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-0.767	-0.767	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-0.733	-0.733	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-0.605	-0.605	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-0.605	-0.605	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-0.605	-0.605	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-0.767	-0.767	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.53	-1.53	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-0.212	-0.212	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-0.212	-0.212	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-0.389	-0.389	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-0.41	-0.41	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-0.389	-0.389	0	%100
33	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	-41	-41	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-682	-682	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	-192	-192	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	-192	-192	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-382	-382	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-212	-212	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-85	-85	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.147	-1.147	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-389	-389	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-41	-41	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-1.147	-1.147	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-1.558	-1.558	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-1.641	-1.641	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-682	-682	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-192	-192	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-192	-192	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-382	-382	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-85	-85	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-212	-212	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-1.147	-1.147	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-1.558	-1.558	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-1.641	-1.641	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-1.147	-1.147	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-389	-389	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-41	-41	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-218	-218	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	-218	-218	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-605	-605	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-733	-733	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.605	-.605	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.605	-.605	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-.605	-.605	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-.605	-.605	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.733	-.733	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.605	-.605	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-.605	-.605	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-.605	-.605	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	-.605	-.605	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-.495	-.495	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-.733	-.733	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	-.206	-.206	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-.824	-.824	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	-.206	-.206	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	-.183	-.183	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	-.183	-.183	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.328	.328	0	%100
2	M1	Z	-.568	-.568	0	%100
3	M4	X	.114	.114	0	%100
4	M4	Z	-.197	-.197	0	%100
5	M10	X	.288	.288	0	%100
6	M10	Z	-.498	-.498	0	%100
7	MP3A	X	.366	.366	0	%100
8	MP3A	Z	-.635	-.635	0	%100
9	MP4A	X	.303	.303	0	%100
10	MP4A	Z	-.524	-.524	0	%100
11	MP2A	X	.303	.303	0	%100
12	MP2A	Z	-.524	-.524	0	%100
13	MP1A	X	.303	.303	0	%100
14	MP1A	Z	-.524	-.524	0	%100
15	M43	X	.288	.288	0	%100
16	M43	Z	-.498	-.498	0	%100
17	M46	X	.574	.574	0	%100
18	M46	Z	-.994	-.994	0	%100
19	M51B	X	.319	.319	0	%100
20	M51B	Z	-.552	-.552	0	%100
21	M52B	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,%]	
22	M52B	Z	0	0	0	%100
23	M76	X	.191	.191	0	%100
24	M76	Z	-.331	-.331	0	%100
25	M77	X	.584	.584	0	%100
26	M77	Z	-1.012	-1.012	0	%100
27	M80	X	.615	.615	0	%100
28	M80	Z	-1.066	-1.066	0	%100
29	M84	X	.191	.191	0	%100
30	M84	Z	-.331	-.331	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	.114	.114	0	%100
36	M36	Z	-.197	-.197	0	%100
37	M37	X	.288	.288	0	%100
38	M37	Z	-.498	-.498	0	%100
39	M38	X	.288	.288	0	%100
40	M38	Z	-.498	-.498	0	%100
41	M39	X	.574	.574	0	%100
42	M39	Z	-.994	-.994	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	.319	.319	0	%100
46	M41	Z	-.552	-.552	0	%100
47	M45	X	.191	.191	0	%100
48	M45	Z	-.331	-.331	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	.191	.191	0	%100
54	M50A	Z	-.331	-.331	0	%100
55	M51C	X	.584	.584	0	%100
56	M51C	Z	-1.012	-1.012	0	%100
57	M53	X	.615	.615	0	%100
58	M53	Z	-1.066	-1.066	0	%100
59	M60	X	.455	.455	0	%100
60	M60	Z	-.788	-.788	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	.319	.319	0	%100
68	M64	Z	-.552	-.552	0	%100
69	M65	X	.319	.319	0	%100
70	M65	Z	-.552	-.552	0	%100
71	M69	X	.765	.765	0	%100
72	M69	Z	-1.325	-1.325	0	%100
73	M70	X	.584	.584	0	%100
74	M70	Z	-1.012	-1.012	0	%100
75	M72	X	.615	.615	0	%100
76	M72	Z	-1.066	-1.066	0	%100
77	M74	X	.765	.765	0	%100
78	M74	Z	-1.325	-1.325	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M75	X	.584	.584	0	%100
80	M75	Z	-1.012	-1.012	0	%100
81	M77A	X	.615	.615	0	%100
82	M77A	Z	-1.066	-1.066	0	%100
83	M82A	X	.328	.328	0	%100
84	M82A	Z	-.568	-.568	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	.303	.303	0	%100
88	MP5A	Z	-.524	-.524	0	%100
89	MP3C	X	.366	.366	0	%100
90	MP3C	Z	-.635	-.635	0	%100
91	MP4C	X	.303	.303	0	%100
92	MP4C	Z	-.524	-.524	0	%100
93	MP2C	X	.303	.303	0	%100
94	MP2C	Z	-.524	-.524	0	%100
95	MP1C	X	.303	.303	0	%100
96	MP1C	Z	-.524	-.524	0	%100
97	MP5C	X	.303	.303	0	%100
98	MP5C	Z	-.524	-.524	0	%100
99	MP3B	X	.366	.366	0	%100
100	MP3B	Z	-.635	-.635	0	%100
101	MP4B	X	.303	.303	0	%100
102	MP4B	Z	-.524	-.524	0	%100
103	MP2B	X	.303	.303	0	%100
104	MP2B	Z	-.524	-.524	0	%100
105	MP1B	X	.303	.303	0	%100
106	MP1B	Z	-.524	-.524	0	%100
107	MP5B	X	.303	.303	0	%100
108	MP5B	Z	-.524	-.524	0	%100
109	M107	X	.248	.248	0	%100
110	M107	Z	-.429	-.429	0	%100
111	M108	X	.275	.275	0	%100
112	M108	Z	-.476	-.476	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	.309	.309	0	%100
116	M118	Z	-.535	-.535	0	%100
117	M119	X	.309	.309	0	%100
118	M119	Z	-.535	-.535	0	%100
119	M133A	X	.275	.275	0	%100
120	M133A	Z	-.476	-.476	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.189	.189	0	%100
2	M1	Z	-.109	-.109	0	%100
3	M4	X	.591	.591	0	%100
4	M4	Z	-.341	-.341	0	%100
5	M10	X	.166	.166	0	%100
6	M10	Z	-.096	-.096	0	%100
7	MP3A	X	.635	.635	0	%100
8	MP3A	Z	-.366	-.366	0	%100
9	MP4A	X	.524	.524	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,%]
10	MP4A	Z	-.303	-.303	0 %100
11	MP2A	X	.524	.524	0 %100
12	MP2A	Z	-.303	-.303	0 %100
13	MP1A	X	.524	.524	0 %100
14	MP1A	Z	-.303	-.303	0 %100
15	M43	X	.166	.166	0 %100
16	M43	Z	-.096	-.096	0 %100
17	M46	X	.331	.331	0 %100
18	M46	Z	-.191	-.191	0 %100
19	M51B	X	.736	.736	0 %100
20	M51B	Z	-.425	-.425	0 %100
21	M52B	X	.184	.184	0 %100
22	M52B	Z	-.106	-.106	0 %100
23	M76	X	.994	.994	0 %100
24	M76	Z	-.574	-.574	0 %100
25	M77	X	1.349	1.349	0 %100
26	M77	Z	-.779	-.779	0 %100
27	M80	X	1.421	1.421	0 %100
28	M80	Z	-.82	-.82	0 %100
29	M84	X	.994	.994	0 %100
30	M84	Z	-.574	-.574	0 %100
31	M85	X	.337	.337	0 %100
32	M85	Z	-.195	-.195	0 %100
33	M91	X	.355	.355	0 %100
34	M91	Z	-.205	-.205	0 %100
35	M36	X	0	0	0 %100
36	M36	Z	0	0	0 %100
37	M37	X	.664	.664	0 %100
38	M37	Z	-.383	-.383	0 %100
39	M38	X	.664	.664	0 %100
40	M38	Z	-.383	-.383	0 %100
41	M39	X	1.325	1.325	0 %100
42	M39	Z	-.765	-.765	0 %100
43	M40	X	.184	.184	0 %100
44	M40	Z	-.106	-.106	0 %100
45	M41	X	.184	.184	0 %100
46	M41	Z	-.106	-.106	0 %100
47	M45	X	0	0	0 %100
48	M45	Z	0	0	0 %100
49	M46A	X	.337	.337	0 %100
50	M46A	Z	-.195	-.195	0 %100
51	M48	X	.355	.355	0 %100
52	M48	Z	-.205	-.205	0 %100
53	M50A	X	0	0	0 %100
54	M50A	Z	0	0	0 %100
55	M51C	X	.337	.337	0 %100
56	M51C	Z	-.195	-.195	0 %100
57	M53	X	.355	.355	0 %100
58	M53	Z	-.205	-.205	0 %100
59	M60	X	.591	.591	0 %100
60	M60	Z	-.341	-.341	0 %100
61	M61	X	.166	.166	0 %100
62	M61	Z	-.096	-.096	0 %100
63	M62	X	.166	.166	0 %100
64	M62	Z	-.096	-.096	0 %100
65	M63	X	.331	.331	0 %100
66	M63	Z	-.191	-.191	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, %]
67	M64	X	.184	.184	0 %100
68	M64	Z	-.106	-.106	0 %100
69	M65	X	.736	.736	0 %100
70	M65	Z	-.425	-.425	0 %100
71	M69	X	.994	.994	0 %100
72	M69	Z	-.574	-.574	0 %100
73	M70	X	.337	.337	0 %100
74	M70	Z	-.195	-.195	0 %100
75	M72	X	.355	.355	0 %100
76	M72	Z	-.205	-.205	0 %100
77	M74	X	.994	.994	0 %100
78	M74	Z	-.574	-.574	0 %100
79	M75	X	1.349	1.349	0 %100
80	M75	Z	-.779	-.779	0 %100
81	M77A	X	1.421	1.421	0 %100
82	M77A	Z	-.82	-.82	0 %100
83	M82A	X	.757	.757	0 %100
84	M82A	Z	-.437	-.437	0 %100
85	M83B	X	.189	.189	0 %100
86	M83B	Z	-.109	-.109	0 %100
87	MP5A	X	.524	.524	0 %100
88	MP5A	Z	-.303	-.303	0 %100
89	MP3C	X	.635	.635	0 %100
90	MP3C	Z	-.366	-.366	0 %100
91	MP4C	X	.524	.524	0 %100
92	MP4C	Z	-.303	-.303	0 %100
93	MP2C	X	.524	.524	0 %100
94	MP2C	Z	-.303	-.303	0 %100
95	MP1C	X	.524	.524	0 %100
96	MP1C	Z	-.303	-.303	0 %100
97	MP5C	X	.524	.524	0 %100
98	MP5C	Z	-.303	-.303	0 %100
99	MP3B	X	.635	.635	0 %100
100	MP3B	Z	-.366	-.366	0 %100
101	MP4B	X	.524	.524	0 %100
102	MP4B	Z	-.303	-.303	0 %100
103	MP2B	X	.524	.524	0 %100
104	MP2B	Z	-.303	-.303	0 %100
105	MP1B	X	.524	.524	0 %100
106	MP1B	Z	-.303	-.303	0 %100
107	MP5B	X	.524	.524	0 %100
108	MP5B	Z	-.303	-.303	0 %100
109	M107	X	.429	.429	0 %100
110	M107	Z	-.248	-.248	0 %100
111	M108	X	.159	.159	0 %100
112	M108	Z	-.092	-.092	0 %100
113	M117	X	.178	.178	0 %100
114	M117	Z	-.103	-.103	0 %100
115	M118	X	.178	.178	0 %100
116	M118	Z	-.103	-.103	0 %100
117	M119	X	.713	.713	0 %100
118	M119	Z	-.412	-.412	0 %100
119	M133A	X	.635	.635	0 %100
120	M133A	Z	-.366	-.366	0 %100
121	M134A	X	.159	.159	0 %100
122	M134A	Z	-.092	-.092	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.909	.909	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.733	.733	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.605	.605	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.605	.605	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.605	.605	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.637	.637	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.637	.637	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.53	1.53	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.168	1.168	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.231	1.231	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.53	1.53	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.168	1.168	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.231	1.231	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	.227	.227	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	.575	.575	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	.575	.575	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	1.147	1.147	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	.637	.637	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	.382	.382	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	1.168	1.168	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	1.231	1.231	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	.382	.382	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	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,%]	
58	M53	Z	0	0	0	%100
59	M60	X	.227	.227	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	.575	.575	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	.575	.575	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	1.147	1.147	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	.637	.637	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	.382	.382	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	.382	.382	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	1.168	1.168	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	1.231	1.231	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	.655	.655	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	.655	.655	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	.605	.605	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	.733	.733	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	.605	.605	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	.605	.605	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	.605	.605	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	.605	.605	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	.733	.733	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.605	.605	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	.605	.605	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	.605	.605	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	.605	.605	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	.495	.495	0	%100
110	M107	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M117	X	.618	.618	0	%100
114	M117	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, %]
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M119	X	.618	.618	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	.55	.55	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	.55	.55	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.189	.189	0	%100
2	M1	Z	.109	.109	0	%100
3	M4	X	.591	.591	0	%100
4	M4	Z	.341	.341	0	%100
5	M10	X	.166	.166	0	%100
6	M10	Z	.096	.096	0	%100
7	MP3A	X	.635	.635	0	%100
8	MP3A	Z	.366	.366	0	%100
9	MP4A	X	.524	.524	0	%100
10	MP4A	Z	.303	.303	0	%100
11	MP2A	X	.524	.524	0	%100
12	MP2A	Z	.303	.303	0	%100
13	MP1A	X	.524	.524	0	%100
14	MP1A	Z	.303	.303	0	%100
15	M43	X	.166	.166	0	%100
16	M43	Z	.096	.096	0	%100
17	M46	X	.331	.331	0	%100
18	M46	Z	.191	.191	0	%100
19	M51B	X	.184	.184	0	%100
20	M51B	Z	.106	.106	0	%100
21	M52B	X	.736	.736	0	%100
22	M52B	Z	.425	.425	0	%100
23	M76	X	.994	.994	0	%100
24	M76	Z	.574	.574	0	%100
25	M77	X	.337	.337	0	%100
26	M77	Z	.195	.195	0	%100
27	M80	X	.355	.355	0	%100
28	M80	Z	.205	.205	0	%100
29	M84	X	.994	.994	0	%100
30	M84	Z	.574	.574	0	%100
31	M85	X	1.349	1.349	0	%100
32	M85	Z	.779	.779	0	%100
33	M91	X	1.421	1.421	0	%100
34	M91	Z	.82	.82	0	%100
35	M36	X	.591	.591	0	%100
36	M36	Z	.341	.341	0	%100
37	M37	X	.166	.166	0	%100
38	M37	Z	.096	.096	0	%100
39	M38	X	.166	.166	0	%100
40	M38	Z	.096	.096	0	%100
41	M39	X	.331	.331	0	%100
42	M39	Z	.191	.191	0	%100
43	M40	X	.736	.736	0	%100
44	M40	Z	.425	.425	0	%100
45	M41	X	.184	.184	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,%]
46	M41	Z	.106	.106	0 %100
47	M45	X	.994	.994	0 %100
48	M45	Z	.574	.574	0 %100
49	M46A	X	1.349	1.349	0 %100
50	M46A	Z	.779	.779	0 %100
51	M48	X	1.421	1.421	0 %100
52	M48	Z	.82	.82	0 %100
53	M50A	X	.994	.994	0 %100
54	M50A	Z	.574	.574	0 %100
55	M51C	X	.337	.337	0 %100
56	M51C	Z	.195	.195	0 %100
57	M53	X	.355	.355	0 %100
58	M53	Z	.205	.205	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	0	0	0 %100
61	M61	X	.664	.664	0 %100
62	M61	Z	.383	.383	0 %100
63	M62	X	.664	.664	0 %100
64	M62	Z	.383	.383	0 %100
65	M63	X	1.325	1.325	0 %100
66	M63	Z	.765	.765	0 %100
67	M64	X	.184	.184	0 %100
68	M64	Z	.106	.106	0 %100
69	M65	X	.184	.184	0 %100
70	M65	Z	.106	.106	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	0	0	0 %100
73	M70	X	.337	.337	0 %100
74	M70	Z	.195	.195	0 %100
75	M72	X	.355	.355	0 %100
76	M72	Z	.205	.205	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	0	0	0 %100
79	M75	X	.337	.337	0 %100
80	M75	Z	.195	.195	0 %100
81	M77A	X	.355	.355	0 %100
82	M77A	Z	.205	.205	0 %100
83	M82A	X	.189	.189	0 %100
84	M82A	Z	.109	.109	0 %100
85	M83B	X	.757	.757	0 %100
86	M83B	Z	.437	.437	0 %100
87	MP5A	X	.524	.524	0 %100
88	MP5A	Z	.303	.303	0 %100
89	MP3C	X	.635	.635	0 %100
90	MP3C	Z	.366	.366	0 %100
91	MP4C	X	.524	.524	0 %100
92	MP4C	Z	.303	.303	0 %100
93	MP2C	X	.524	.524	0 %100
94	MP2C	Z	.303	.303	0 %100
95	MP1C	X	.524	.524	0 %100
96	MP1C	Z	.303	.303	0 %100
97	MP5C	X	.524	.524	0 %100
98	MP5C	Z	.303	.303	0 %100
99	MP3B	X	.635	.635	0 %100
100	MP3B	Z	.366	.366	0 %100
101	MP4B	X	.524	.524	0 %100
102	MP4B	Z	.303	.303	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, %]
103	MP2B	X	.524	.524	0	%100
104	MP2B	Z	.303	.303	0	%100
105	MP1B	X	.524	.524	0	%100
106	MP1B	Z	.303	.303	0	%100
107	MP5B	X	.524	.524	0	%100
108	MP5B	Z	.303	.303	0	%100
109	M107	X	.429	.429	0	%100
110	M107	Z	.248	.248	0	%100
111	M108	X	.159	.159	0	%100
112	M108	Z	.092	.092	0	%100
113	M117	X	.713	.713	0	%100
114	M117	Z	.412	.412	0	%100
115	M118	X	.178	.178	0	%100
116	M118	Z	.103	.103	0	%100
117	M119	X	.178	.178	0	%100
118	M119	Z	.103	.103	0	%100
119	M133A	X	.159	.159	0	%100
120	M133A	Z	.092	.092	0	%100
121	M134A	X	.635	.635	0	%100
122	M134A	Z	.366	.366	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.328	.328	0	%100
2	M1	Z	.568	.568	0	%100
3	M4	X	.114	.114	0	%100
4	M4	Z	.197	.197	0	%100
5	M10	X	.288	.288	0	%100
6	M10	Z	.498	.498	0	%100
7	MP3A	X	.366	.366	0	%100
8	MP3A	Z	.635	.635	0	%100
9	MP4A	X	.303	.303	0	%100
10	MP4A	Z	.524	.524	0	%100
11	MP2A	X	.303	.303	0	%100
12	MP2A	Z	.524	.524	0	%100
13	MP1A	X	.303	.303	0	%100
14	MP1A	Z	.524	.524	0	%100
15	M43	X	.288	.288	0	%100
16	M43	Z	.498	.498	0	%100
17	M46	X	.574	.574	0	%100
18	M46	Z	.994	.994	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.319	.319	0	%100
22	M52B	Z	.552	.552	0	%100
23	M76	X	.191	.191	0	%100
24	M76	Z	.331	.331	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.191	.191	0	%100
30	M84	Z	.331	.331	0	%100
31	M85	X	.584	.584	0	%100
32	M85	Z	1.012	1.012	0	%100
33	M91	X	.615	.615	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, %]
34	M91	Z	1.066	1.066	0	%100
35	M36	X	.455	.455	0	%100
36	M36	Z	.788	.788	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	.319	.319	0	%100
44	M40	Z	.552	.552	0	%100
45	M41	X	.319	.319	0	%100
46	M41	Z	.552	.552	0	%100
47	M45	X	.765	.765	0	%100
48	M45	Z	1.325	1.325	0	%100
49	M46A	X	.584	.584	0	%100
50	M46A	Z	1.012	1.012	0	%100
51	M48	X	.615	.615	0	%100
52	M48	Z	1.066	1.066	0	%100
53	M50A	X	.765	.765	0	%100
54	M50A	Z	1.325	1.325	0	%100
55	M51C	X	.584	.584	0	%100
56	M51C	Z	1.012	1.012	0	%100
57	M53	X	.615	.615	0	%100
58	M53	Z	1.066	1.066	0	%100
59	M60	X	.114	.114	0	%100
60	M60	Z	.197	.197	0	%100
61	M61	X	.288	.288	0	%100
62	M61	Z	.498	.498	0	%100
63	M62	X	.288	.288	0	%100
64	M62	Z	.498	.498	0	%100
65	M63	X	.574	.574	0	%100
66	M63	Z	.994	.994	0	%100
67	M64	X	.319	.319	0	%100
68	M64	Z	.552	.552	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	.191	.191	0	%100
72	M69	Z	.331	.331	0	%100
73	M70	X	.584	.584	0	%100
74	M70	Z	1.012	1.012	0	%100
75	M72	X	.615	.615	0	%100
76	M72	Z	1.066	1.066	0	%100
77	M74	X	.191	.191	0	%100
78	M74	Z	.331	.331	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	.328	.328	0	%100
86	M83B	Z	.568	.568	0	%100
87	MP5A	X	.303	.303	0	%100
88	MP5A	Z	.524	.524	0	%100
89	MP3C	X	.366	.366	0	%100
90	MP3C	Z	.635	.635	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4C	X	.303	.303	0	%100
92	MP4C	Z	.524	.524	0	%100
93	MP2C	X	.303	.303	0	%100
94	MP2C	Z	.524	.524	0	%100
95	MP1C	X	.303	.303	0	%100
96	MP1C	Z	.524	.524	0	%100
97	MP5C	X	.303	.303	0	%100
98	MP5C	Z	.524	.524	0	%100
99	MP3B	X	.366	.366	0	%100
100	MP3B	Z	.635	.635	0	%100
101	MP4B	X	.303	.303	0	%100
102	MP4B	Z	.524	.524	0	%100
103	MP2B	X	.303	.303	0	%100
104	MP2B	Z	.524	.524	0	%100
105	MP1B	X	.303	.303	0	%100
106	MP1B	Z	.524	.524	0	%100
107	MP5B	X	.303	.303	0	%100
108	MP5B	Z	.524	.524	0	%100
109	M107	X	.248	.248	0	%100
110	M107	Z	.429	.429	0	%100
111	M108	X	.275	.275	0	%100
112	M108	Z	.476	.476	0	%100
113	M117	X	.309	.309	0	%100
114	M117	Z	.535	.535	0	%100
115	M118	X	.309	.309	0	%100
116	M118	Z	.535	.535	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	.275	.275	0	%100
122	M134A	Z	.476	.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	.874	.874	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.767	.767	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.733	.733	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.605	.605	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.605	.605	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.605	.605	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.767	.767	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.53	1.53	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.212	.212	0	%100
21	M52B	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,%]
22	M52B	Z	.212	.212	0 %100
23	M76	X	0	0	0 %100
24	M76	Z	0	0	0 %100
25	M77	X	0	0	0 %100
26	M77	Z	.389	.389	0 %100
27	M80	X	0	0	0 %100
28	M80	Z	.41	.41	0 %100
29	M84	X	0	0	0 %100
30	M84	Z	0	0	0 %100
31	M85	X	0	0	0 %100
32	M85	Z	.389	.389	0 %100
33	M91	X	0	0	0 %100
34	M91	Z	.41	.41	0 %100
35	M36	X	0	0	0 %100
36	M36	Z	.682	.682	0 %100
37	M37	X	0	0	0 %100
38	M37	Z	.192	.192	0 %100
39	M38	X	0	0	0 %100
40	M38	Z	.192	.192	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	.382	.382	0 %100
43	M40	X	0	0	0 %100
44	M40	Z	.212	.212	0 %100
45	M41	X	0	0	0 %100
46	M41	Z	.85	.85	0 %100
47	M45	X	0	0	0 %100
48	M45	Z	1.147	1.147	0 %100
49	M46A	X	0	0	0 %100
50	M46A	Z	.389	.389	0 %100
51	M48	X	0	0	0 %100
52	M48	Z	.41	.41	0 %100
53	M50A	X	0	0	0 %100
54	M50A	Z	1.147	1.147	0 %100
55	M51C	X	0	0	0 %100
56	M51C	Z	1.558	1.558	0 %100
57	M53	X	0	0	0 %100
58	M53	Z	1.641	1.641	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	.682	.682	0 %100
61	M61	X	0	0	0 %100
62	M61	Z	.192	.192	0 %100
63	M62	X	0	0	0 %100
64	M62	Z	.192	.192	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	.382	.382	0 %100
67	M64	X	0	0	0 %100
68	M64	Z	.85	.85	0 %100
69	M65	X	0	0	0 %100
70	M65	Z	.212	.212	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	1.147	1.147	0 %100
73	M70	X	0	0	0 %100
74	M70	Z	1.558	1.558	0 %100
75	M72	X	0	0	0 %100
76	M72	Z	1.641	1.641	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	1.147	1.147	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M75	X	0	0	0	%100
80	M75	Z	.389	.389	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	.41	.41	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.218	.218	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	.218	.218	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	.605	.605	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.733	.733	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.605	.605	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.605	.605	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	.605	.605	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	.605	.605	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.733	.733	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.605	.605	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	.605	.605	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	.605	.605	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	.605	.605	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	.495	.495	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.733	.733	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	.206	.206	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	.824	.824	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	.206	.206	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	.183	.183	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	.183	.183	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.328	-.328	0	%100
2	M1	Z	.568	.568	0	%100
3	M4	X	-.114	-.114	0	%100
4	M4	Z	.197	.197	0	%100
5	M10	X	-.288	-.288	0	%100
6	M10	Z	.498	.498	0	%100
7	MP3A	X	-.366	-.366	0	%100
8	MP3A	Z	.635	.635	0	%100
9	MP4A	X	-.303	-.303	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, %]
10	MP4A	Z	.524	.524	0	%100
11	MP2A	X	-.303	-.303	0	%100
12	MP2A	Z	.524	.524	0	%100
13	MP1A	X	-.303	-.303	0	%100
14	MP1A	Z	.524	.524	0	%100
15	M43	X	-.288	-.288	0	%100
16	M43	Z	.498	.498	0	%100
17	M46	X	-.574	-.574	0	%100
18	M46	Z	.994	.994	0	%100
19	M51B	X	-.319	-.319	0	%100
20	M51B	Z	.552	.552	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.191	-.191	0	%100
24	M76	Z	.331	.331	0	%100
25	M77	X	-.584	-.584	0	%100
26	M77	Z	1.012	1.012	0	%100
27	M80	X	-.615	-.615	0	%100
28	M80	Z	1.066	1.066	0	%100
29	M84	X	-.191	-.191	0	%100
30	M84	Z	.331	.331	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	-.114	-.114	0	%100
36	M36	Z	.197	.197	0	%100
37	M37	X	-.288	-.288	0	%100
38	M37	Z	.498	.498	0	%100
39	M38	X	-.288	-.288	0	%100
40	M38	Z	.498	.498	0	%100
41	M39	X	-.574	-.574	0	%100
42	M39	Z	.994	.994	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-.319	-.319	0	%100
46	M41	Z	.552	.552	0	%100
47	M45	X	-.191	-.191	0	%100
48	M45	Z	.331	.331	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-.191	-.191	0	%100
54	M50A	Z	.331	.331	0	%100
55	M51C	X	-.584	-.584	0	%100
56	M51C	Z	1.012	1.012	0	%100
57	M53	X	-.615	-.615	0	%100
58	M53	Z	1.066	1.066	0	%100
59	M60	X	-.455	-.455	0	%100
60	M60	Z	.788	.788	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	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, %]
67	M64	X	-.319	-.319	0 %100
68	M64	Z	.552	.552	0 %100
69	M65	X	-.319	-.319	0 %100
70	M65	Z	.552	.552	0 %100
71	M69	X	-.765	-.765	0 %100
72	M69	Z	1.325	1.325	0 %100
73	M70	X	-.584	-.584	0 %100
74	M70	Z	1.012	1.012	0 %100
75	M72	X	-.615	-.615	0 %100
76	M72	Z	1.066	1.066	0 %100
77	M74	X	-.765	-.765	0 %100
78	M74	Z	1.325	1.325	0 %100
79	M75	X	-.584	-.584	0 %100
80	M75	Z	1.012	1.012	0 %100
81	M77A	X	-.615	-.615	0 %100
82	M77A	Z	1.066	1.066	0 %100
83	M82A	X	-.328	-.328	0 %100
84	M82A	Z	.568	.568	0 %100
85	M83B	X	0	0	0 %100
86	M83B	Z	0	0	0 %100
87	MP5A	X	-.303	-.303	0 %100
88	MP5A	Z	.524	.524	0 %100
89	MP3C	X	-.366	-.366	0 %100
90	MP3C	Z	.635	.635	0 %100
91	MP4C	X	-.303	-.303	0 %100
92	MP4C	Z	.524	.524	0 %100
93	MP2C	X	-.303	-.303	0 %100
94	MP2C	Z	.524	.524	0 %100
95	MP1C	X	-.303	-.303	0 %100
96	MP1C	Z	.524	.524	0 %100
97	MP5C	X	-.303	-.303	0 %100
98	MP5C	Z	.524	.524	0 %100
99	MP3B	X	-.366	-.366	0 %100
100	MP3B	Z	.635	.635	0 %100
101	MP4B	X	-.303	-.303	0 %100
102	MP4B	Z	.524	.524	0 %100
103	MP2B	X	-.303	-.303	0 %100
104	MP2B	Z	.524	.524	0 %100
105	MP1B	X	-.303	-.303	0 %100
106	MP1B	Z	.524	.524	0 %100
107	MP5B	X	-.303	-.303	0 %100
108	MP5B	Z	.524	.524	0 %100
109	M107	X	-.248	-.248	0 %100
110	M107	Z	.429	.429	0 %100
111	M108	X	-.275	-.275	0 %100
112	M108	Z	.476	.476	0 %100
113	M117	X	0	0	0 %100
114	M117	Z	0	0	0 %100
115	M118	X	-.309	-.309	0 %100
116	M118	Z	.535	.535	0 %100
117	M119	X	-.309	-.309	0 %100
118	M119	Z	.535	.535	0 %100
119	M133A	X	-.275	-.275	0 %100
120	M133A	Z	.476	.476	0 %100
121	M134A	X	0	0	0 %100
122	M134A	Z	0	0	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.189	-.189	0	%100
2	M1	Z	.109	.109	0	%100
3	M4	X	-.591	-.591	0	%100
4	M4	Z	.341	.341	0	%100
5	M10	X	-.166	-.166	0	%100
6	M10	Z	.096	.096	0	%100
7	MP3A	X	-.635	-.635	0	%100
8	MP3A	Z	.366	.366	0	%100
9	MP4A	X	-.524	-.524	0	%100
10	MP4A	Z	.303	.303	0	%100
11	MP2A	X	-.524	-.524	0	%100
12	MP2A	Z	.303	.303	0	%100
13	MP1A	X	-.524	-.524	0	%100
14	MP1A	Z	.303	.303	0	%100
15	M43	X	-.166	-.166	0	%100
16	M43	Z	.096	.096	0	%100
17	M46	X	-.331	-.331	0	%100
18	M46	Z	.191	.191	0	%100
19	M51B	X	-.736	-.736	0	%100
20	M51B	Z	.425	.425	0	%100
21	M52B	X	-.184	-.184	0	%100
22	M52B	Z	.106	.106	0	%100
23	M76	X	-.994	-.994	0	%100
24	M76	Z	.574	.574	0	%100
25	M77	X	-1.349	-1.349	0	%100
26	M77	Z	.779	.779	0	%100
27	M80	X	-1.421	-1.421	0	%100
28	M80	Z	.82	.82	0	%100
29	M84	X	-.994	-.994	0	%100
30	M84	Z	.574	.574	0	%100
31	M85	X	-.337	-.337	0	%100
32	M85	Z	.195	.195	0	%100
33	M91	X	-.355	-.355	0	%100
34	M91	Z	.205	.205	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	-.664	-.664	0	%100
38	M37	Z	.383	.383	0	%100
39	M38	X	-.664	-.664	0	%100
40	M38	Z	.383	.383	0	%100
41	M39	X	-1.325	-1.325	0	%100
42	M39	Z	.765	.765	0	%100
43	M40	X	-.184	-.184	0	%100
44	M40	Z	.106	.106	0	%100
45	M41	X	-.184	-.184	0	%100
46	M41	Z	.106	.106	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-.337	-.337	0	%100
50	M46A	Z	.195	.195	0	%100
51	M48	X	-.355	-.355	0	%100
52	M48	Z	.205	.205	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	-.337	-.337	0	%100
56	M51C	Z	.195	.195	0	%100
57	M53	X	-.355	-.355	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,%]
58	M53	Z	.205	.205	0 %100
59	M60	X	-.591	-.591	0 %100
60	M60	Z	.341	.341	0 %100
61	M61	X	-.166	-.166	0 %100
62	M61	Z	.096	.096	0 %100
63	M62	X	-.166	-.166	0 %100
64	M62	Z	.096	.096	0 %100
65	M63	X	-.331	-.331	0 %100
66	M63	Z	.191	.191	0 %100
67	M64	X	-.184	-.184	0 %100
68	M64	Z	.106	.106	0 %100
69	M65	X	-.736	-.736	0 %100
70	M65	Z	.425	.425	0 %100
71	M69	X	-.994	-.994	0 %100
72	M69	Z	.574	.574	0 %100
73	M70	X	-.337	-.337	0 %100
74	M70	Z	.195	.195	0 %100
75	M72	X	-.355	-.355	0 %100
76	M72	Z	.205	.205	0 %100
77	M74	X	-.994	-.994	0 %100
78	M74	Z	.574	.574	0 %100
79	M75	X	-1.349	-1.349	0 %100
80	M75	Z	.779	.779	0 %100
81	M77A	X	-1.421	-1.421	0 %100
82	M77A	Z	.82	.82	0 %100
83	M82A	X	-.757	-.757	0 %100
84	M82A	Z	.437	.437	0 %100
85	M83B	X	-.189	-.189	0 %100
86	M83B	Z	.109	.109	0 %100
87	MP5A	X	-.524	-.524	0 %100
88	MP5A	Z	.303	.303	0 %100
89	MP3C	X	-.635	-.635	0 %100
90	MP3C	Z	.366	.366	0 %100
91	MP4C	X	-.524	-.524	0 %100
92	MP4C	Z	.303	.303	0 %100
93	MP2C	X	-.524	-.524	0 %100
94	MP2C	Z	.303	.303	0 %100
95	MP1C	X	-.524	-.524	0 %100
96	MP1C	Z	.303	.303	0 %100
97	MP5C	X	-.524	-.524	0 %100
98	MP5C	Z	.303	.303	0 %100
99	MP3B	X	-.635	-.635	0 %100
100	MP3B	Z	.366	.366	0 %100
101	MP4B	X	-.524	-.524	0 %100
102	MP4B	Z	.303	.303	0 %100
103	MP2B	X	-.524	-.524	0 %100
104	MP2B	Z	.303	.303	0 %100
105	MP1B	X	-.524	-.524	0 %100
106	MP1B	Z	.303	.303	0 %100
107	MP5B	X	-.524	-.524	0 %100
108	MP5B	Z	.303	.303	0 %100
109	M107	X	-.429	-.429	0 %100
110	M107	Z	.248	.248	0 %100
111	M108	X	-.159	-.159	0 %100
112	M108	Z	.092	.092	0 %100
113	M117	X	-.178	-.178	0 %100
114	M117	Z	.103	.103	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, %]
115	M118	X	-.178	-.178	0	%100
116	M118	Z	.103	.103	0	%100
117	M119	X	-.713	-.713	0	%100
118	M119	Z	.412	.412	0	%100
119	M133A	X	-.635	-.635	0	%100
120	M133A	Z	.366	.366	0	%100
121	M134A	X	-.159	-.159	0	%100
122	M134A	Z	.092	.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.909	-.909	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.733	-.733	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.605	-.605	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.605	-.605	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.605	-.605	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.637	-.637	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.637	-.637	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.53	-1.53	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.168	-1.168	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.231	-1.231	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.53	-1.53	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.168	-1.168	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.231	-1.231	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	-.227	-.227	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	-.575	-.575	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	-.575	-.575	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	-1.147	-1.147	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-.637	-.637	0	%100
44	M40	Z	0	0	0	%100
45	M41	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, %]	
46	M41	Z	0	0	0	%100
47	M45	X	-0.382	-0.382	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-1.168	-1.168	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-1.231	-1.231	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-0.382	-0.382	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M60	X	-0.227	-0.227	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-0.575	-0.575	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-0.575	-0.575	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	-1.147	-1.147	0	%100
66	M63	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-0.637	-0.637	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-0.382	-0.382	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-0.382	-0.382	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-1.168	-1.168	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-1.231	-1.231	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	-0.655	-0.655	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-0.655	-0.655	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-0.605	-0.605	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	-0.733	-0.733	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-0.605	-0.605	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-0.605	-0.605	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-0.605	-0.605	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-0.605	-0.605	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	-0.733	-0.733	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-0.605	-0.605	0	%100
102	MP4B	Z	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, %]
103	MP2B	X	- .605	- .605	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	- .605	- .605	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	- .605	- .605	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	- .495	- .495	0	%100
110	M107	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M117	X	- .618	- .618	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M119	X	- .618	- .618	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	- .55	- .55	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	- .55	- .55	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	- .189	- .189	0	%100
2	M1	Z	- .109	- .109	0	%100
3	M4	X	- .591	- .591	0	%100
4	M4	Z	- .341	- .341	0	%100
5	M10	X	- .166	- .166	0	%100
6	M10	Z	- .096	- .096	0	%100
7	MP3A	X	- .635	- .635	0	%100
8	MP3A	Z	- .366	- .366	0	%100
9	MP4A	X	- .524	- .524	0	%100
10	MP4A	Z	- .303	- .303	0	%100
11	MP2A	X	- .524	- .524	0	%100
12	MP2A	Z	- .303	- .303	0	%100
13	MP1A	X	- .524	- .524	0	%100
14	MP1A	Z	- .303	- .303	0	%100
15	M43	X	- .166	- .166	0	%100
16	M43	Z	- .096	- .096	0	%100
17	M46	X	- .331	- .331	0	%100
18	M46	Z	- .191	- .191	0	%100
19	M51B	X	- .184	- .184	0	%100
20	M51B	Z	- .106	- .106	0	%100
21	M52B	X	- .736	- .736	0	%100
22	M52B	Z	- .425	- .425	0	%100
23	M76	X	- .994	- .994	0	%100
24	M76	Z	- .574	- .574	0	%100
25	M77	X	- .337	- .337	0	%100
26	M77	Z	- .195	- .195	0	%100
27	M80	X	- .355	- .355	0	%100
28	M80	Z	- .205	- .205	0	%100
29	M84	X	- .994	- .994	0	%100
30	M84	Z	- .574	- .574	0	%100
31	M85	X	- 1.349	- 1.349	0	%100
32	M85	Z	- .779	- .779	0	%100
33	M91	X	- 1.421	- 1.421	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,%]
34	M91	Z	- .82	- .82	0 %100
35	M36	X	- .591	- .591	0 %100
36	M36	Z	- .341	- .341	0 %100
37	M37	X	- .166	- .166	0 %100
38	M37	Z	- .096	- .096	0 %100
39	M38	X	- .166	- .166	0 %100
40	M38	Z	- .096	- .096	0 %100
41	M39	X	- .331	- .331	0 %100
42	M39	Z	- .191	- .191	0 %100
43	M40	X	- .736	- .736	0 %100
44	M40	Z	- .425	- .425	0 %100
45	M41	X	- .184	- .184	0 %100
46	M41	Z	- .106	- .106	0 %100
47	M45	X	- .994	- .994	0 %100
48	M45	Z	- .574	- .574	0 %100
49	M46A	X	- 1.349	- 1.349	0 %100
50	M46A	Z	- .779	- .779	0 %100
51	M48	X	- 1.421	- 1.421	0 %100
52	M48	Z	- .82	- .82	0 %100
53	M50A	X	- .994	- .994	0 %100
54	M50A	Z	- .574	- .574	0 %100
55	M51C	X	- .337	- .337	0 %100
56	M51C	Z	- .195	- .195	0 %100
57	M53	X	- .355	- .355	0 %100
58	M53	Z	- .205	- .205	0 %100
59	M60	X	0	0	0 %100
60	M60	Z	0	0	0 %100
61	M61	X	- .664	- .664	0 %100
62	M61	Z	- .383	- .383	0 %100
63	M62	X	- .664	- .664	0 %100
64	M62	Z	- .383	- .383	0 %100
65	M63	X	- 1.325	- 1.325	0 %100
66	M63	Z	- .765	- .765	0 %100
67	M64	X	- .184	- .184	0 %100
68	M64	Z	- .106	- .106	0 %100
69	M65	X	- .184	- .184	0 %100
70	M65	Z	- .106	- .106	0 %100
71	M69	X	0	0	0 %100
72	M69	Z	0	0	0 %100
73	M70	X	- .337	- .337	0 %100
74	M70	Z	- .195	- .195	0 %100
75	M72	X	- .355	- .355	0 %100
76	M72	Z	- .205	- .205	0 %100
77	M74	X	0	0	0 %100
78	M74	Z	0	0	0 %100
79	M75	X	- .337	- .337	0 %100
80	M75	Z	- .195	- .195	0 %100
81	M77A	X	- .355	- .355	0 %100
82	M77A	Z	- .205	- .205	0 %100
83	M82A	X	- .189	- .189	0 %100
84	M82A	Z	- .109	- .109	0 %100
85	M83B	X	- .757	- .757	0 %100
86	M83B	Z	- .437	- .437	0 %100
87	MP5A	X	- .524	- .524	0 %100
88	MP5A	Z	- .303	- .303	0 %100
89	MP3C	X	- .635	- .635	0 %100
90	MP3C	Z	- .366	- .366	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4C	X	-.524	-.524	0	%100
92	MP4C	Z	-.303	-.303	0	%100
93	MP2C	X	-.524	-.524	0	%100
94	MP2C	Z	-.303	-.303	0	%100
95	MP1C	X	-.524	-.524	0	%100
96	MP1C	Z	-.303	-.303	0	%100
97	MP5C	X	-.524	-.524	0	%100
98	MP5C	Z	-.303	-.303	0	%100
99	MP3B	X	-.635	-.635	0	%100
100	MP3B	Z	-.366	-.366	0	%100
101	MP4B	X	-.524	-.524	0	%100
102	MP4B	Z	-.303	-.303	0	%100
103	MP2B	X	-.524	-.524	0	%100
104	MP2B	Z	-.303	-.303	0	%100
105	MP1B	X	-.524	-.524	0	%100
106	MP1B	Z	-.303	-.303	0	%100
107	MP5B	X	-.524	-.524	0	%100
108	MP5B	Z	-.303	-.303	0	%100
109	M107	X	-.429	-.429	0	%100
110	M107	Z	-.248	-.248	0	%100
111	M108	X	-.159	-.159	0	%100
112	M108	Z	-.092	-.092	0	%100
113	M117	X	-.713	-.713	0	%100
114	M117	Z	-.412	-.412	0	%100
115	M118	X	-.178	-.178	0	%100
116	M118	Z	-.103	-.103	0	%100
117	M119	X	-.178	-.178	0	%100
118	M119	Z	-.103	-.103	0	%100
119	M133A	X	-.159	-.159	0	%100
120	M133A	Z	-.092	-.092	0	%100
121	M134A	X	-.635	-.635	0	%100
122	M134A	Z	-.366	-.366	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.328	-.328	0	%100
2	M1	Z	-.568	-.568	0	%100
3	M4	X	-.114	-.114	0	%100
4	M4	Z	-.197	-.197	0	%100
5	M10	X	-.288	-.288	0	%100
6	M10	Z	-.498	-.498	0	%100
7	MP3A	X	-.366	-.366	0	%100
8	MP3A	Z	-.635	-.635	0	%100
9	MP4A	X	-.303	-.303	0	%100
10	MP4A	Z	-.524	-.524	0	%100
11	MP2A	X	-.303	-.303	0	%100
12	MP2A	Z	-.524	-.524	0	%100
13	MP1A	X	-.303	-.303	0	%100
14	MP1A	Z	-.524	-.524	0	%100
15	M43	X	-.288	-.288	0	%100
16	M43	Z	-.498	-.498	0	%100
17	M46	X	-.574	-.574	0	%100
18	M46	Z	-.994	-.994	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.319	-.319	0	%100



Company :
 Designer :
 Job Number :
 Model Name :

May 3, 2021
 2:06 PM
 Checked By: _____

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, %]
22	M52B	Z	-.552	-.552	0 %100
23	M76	X	-.191	-.191	0 %100
24	M76	Z	-.331	-.331	0 %100
25	M77	X	0	0	0 %100
26	M77	Z	0	0	0 %100
27	M80	X	0	0	0 %100
28	M80	Z	0	0	0 %100
29	M84	X	-.191	-.191	0 %100
30	M84	Z	-.331	-.331	0 %100
31	M85	X	-.584	-.584	0 %100
32	M85	Z	-1.012	-1.012	0 %100
33	M91	X	-.615	-.615	0 %100
34	M91	Z	-1.066	-1.066	0 %100
35	M36	X	-.455	-.455	0 %100
36	M36	Z	-.788	-.788	0 %100
37	M37	X	0	0	0 %100
38	M37	Z	0	0	0 %100
39	M38	X	0	0	0 %100
40	M38	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M40	X	-.319	-.319	0 %100
44	M40	Z	-.552	-.552	0 %100
45	M41	X	-.319	-.319	0 %100
46	M41	Z	-.552	-.552	0 %100
47	M45	X	-.765	-.765	0 %100
48	M45	Z	-1.325	-1.325	0 %100
49	M46A	X	-.584	-.584	0 %100
50	M46A	Z	-1.012	-1.012	0 %100
51	M48	X	-.615	-.615	0 %100
52	M48	Z	-1.066	-1.066	0 %100
53	M50A	X	-.765	-.765	0 %100
54	M50A	Z	-1.325	-1.325	0 %100
55	M51C	X	-.584	-.584	0 %100
56	M51C	Z	-1.012	-1.012	0 %100
57	M53	X	-.615	-.615	0 %100
58	M53	Z	-1.066	-1.066	0 %100
59	M60	X	-.114	-.114	0 %100
60	M60	Z	-.197	-.197	0 %100
61	M61	X	-.288	-.288	0 %100
62	M61	Z	-.498	-.498	0 %100
63	M62	X	-.288	-.288	0 %100
64	M62	Z	-.498	-.498	0 %100
65	M63	X	-.574	-.574	0 %100
66	M63	Z	-.994	-.994	0 %100
67	M64	X	-.319	-.319	0 %100
68	M64	Z	-.552	-.552	0 %100
69	M65	X	0	0	0 %100
70	M65	Z	0	0	0 %100
71	M69	X	-.191	-.191	0 %100
72	M69	Z	-.331	-.331	0 %100
73	M70	X	-.584	-.584	0 %100
74	M70	Z	-1.012	-1.012	0 %100
75	M72	X	-.615	-.615	0 %100
76	M72	Z	-1.066	-1.066	0 %100
77	M74	X	-.191	-.191	0 %100
78	M74	Z	-.331	-.331	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-.328	-.328	0	%100
86	M83B	Z	-.568	-.568	0	%100
87	MP5A	X	-.303	-.303	0	%100
88	MP5A	Z	-.524	-.524	0	%100
89	MP3C	X	-.366	-.366	0	%100
90	MP3C	Z	-.635	-.635	0	%100
91	MP4C	X	-.303	-.303	0	%100
92	MP4C	Z	-.524	-.524	0	%100
93	MP2C	X	-.303	-.303	0	%100
94	MP2C	Z	-.524	-.524	0	%100
95	MP1C	X	-.303	-.303	0	%100
96	MP1C	Z	-.524	-.524	0	%100
97	MP5C	X	-.303	-.303	0	%100
98	MP5C	Z	-.524	-.524	0	%100
99	MP3B	X	-.366	-.366	0	%100
100	MP3B	Z	-.635	-.635	0	%100
101	MP4B	X	-.303	-.303	0	%100
102	MP4B	Z	-.524	-.524	0	%100
103	MP2B	X	-.303	-.303	0	%100
104	MP2B	Z	-.524	-.524	0	%100
105	MP1B	X	-.303	-.303	0	%100
106	MP1B	Z	-.524	-.524	0	%100
107	MP5B	X	-.303	-.303	0	%100
108	MP5B	Z	-.524	-.524	0	%100
109	M107	X	-.248	-.248	0	%100
110	M107	Z	-.429	-.429	0	%100
111	M108	X	-.275	-.275	0	%100
112	M108	Z	-.476	-.476	0	%100
113	M117	X	-.309	-.309	0	%100
114	M117	Z	-.535	-.535	0	%100
115	M118	X	-.309	-.309	0	%100
116	M118	Z	-.535	-.535	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	-.275	-.275	0	%100
122	M134A	Z	-.476	-.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M51B	Y	-1.837	-4.549	0	.885
2	M51B	Y	-4.549	-7.376	.885	1.771
3	M51B	Y	-7.376	-8.739	1.771	2.656
4	M51B	Y	-8.739	-7.006	2.656	3.541
5	M51B	Y	-7.006	-3.755	3.541	4.426
6	M52B	Y	-3.755	-6.977	0	.885
7	M52B	Y	-6.977	-8.666	.885	1.771
8	M52B	Y	-8.666	-7.232	1.771	2.656
9	M52B	Y	-7.232	-4.352	2.656	3.541

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
10	M52B	Y	-4.352	-1.619	3.541	4.426
11	M40	Y	-1.619	-4.352	0	.885
12	M40	Y	-4.352	-7.232	.885	1.771
13	M40	Y	-7.232	-8.666	1.771	2.656
14	M40	Y	-8.666	-6.977	2.656	3.541
15	M40	Y	-6.977	-3.756	3.541	4.426
16	M41	Y	-3.756	-7.006	0	.885
17	M41	Y	-7.006	-8.739	.885	1.771
18	M41	Y	-8.739	-7.376	1.771	2.656
19	M41	Y	-7.376	-4.549	2.656	3.541
20	M41	Y	-4.549	-1.837	3.541	4.426
21	M64	Y	-1.837	-4.551	0	.885
22	M64	Y	-4.551	-7.379	.885	1.771
23	M64	Y	-7.379	-8.74	1.771	2.656
24	M64	Y	-8.74	-7.005	2.656	3.541
25	M64	Y	-7.005	-3.756	3.541	4.426
26	M65	Y	-3.756	-6.977	0	.885
27	M65	Y	-6.977	-8.665	.885	1.771
28	M65	Y	-8.665	-7.229	1.771	2.656
29	M65	Y	-7.229	-4.351	2.656	3.541
30	M65	Y	-4.351	-1.621	3.541	4.426

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M51B	Y	-3.513	-8.698	0	.885
2	M51B	Y	-8.698	-14.102	.885	1.771
3	M51B	Y	-14.102	-16.709	1.771	2.656
4	M51B	Y	-16.709	-13.396	2.656	3.541
5	M51B	Y	-13.396	-7.179	3.541	4.426
6	M52B	Y	-7.179	-13.34	0	.885
7	M52B	Y	-13.34	-16.568	.885	1.771
8	M52B	Y	-16.568	-13.826	1.771	2.656
9	M52B	Y	-13.826	-8.321	2.656	3.541
10	M52B	Y	-8.321	-3.095	3.541	4.426
11	M40	Y	-3.095	-8.321	0	.885
12	M40	Y	-8.321	-13.826	.885	1.771
13	M40	Y	-13.826	-16.568	1.771	2.656
14	M40	Y	-16.568	-13.34	2.656	3.541
15	M40	Y	-13.34	-7.182	3.541	4.426
16	M41	Y	-7.182	-13.396	0	.885
17	M41	Y	-13.396	-16.709	.885	1.771
18	M41	Y	-16.709	-14.102	1.771	2.656
19	M41	Y	-14.102	-8.698	2.656	3.541
20	M41	Y	-8.698	-3.513	3.541	4.426
21	M64	Y	-3.513	-8.701	0	.885
22	M64	Y	-8.701	-14.109	.885	1.771
23	M64	Y	-14.109	-16.71	1.771	2.656
24	M64	Y	-16.71	-13.393	2.656	3.541
25	M64	Y	-13.393	-7.181	3.541	4.426
26	M65	Y	-7.181	-13.339	0	.885
27	M65	Y	-13.339	-16.566	.885	1.771
28	M65	Y	-16.566	-13.822	1.771	2.656
29	M65	Y	-13.822	-8.319	2.656	3.541
30	M65	Y	-8.319	-3.099	3.541	4.426

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N92	N91	N87C	N87B	Y	Two Way	-.005
2	N78	N79	N76	N74	Y	Two Way	-.005
3	N107	N103	N105A	N108	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N92	N91	N87C	N87B	Y	Two Way	-.01
2	N78	N79	N76	N74	Y	Two Way	-.01
3	N107	N103	N105A	N108	Y	Two Way	-.01

Envelope Joint Reactions

Joint	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC		
1	N3	max	1149.164	10	2315.725	13	2531.135	1	4.548	13	1.492	4	.123	13
2		min	-1162.344	4	445.124	7	-2601.308	7	.244	7	-1.508	10	-.074	7
3	N53A	max	2468.557	10	2468.54	21	1522.739	1	-.147	3	1.569	12	-.077	3
4		min	-2524.274	4	499.504	3	-1477.192	7	-2.271	21	-1.585	6	-4.111	21
5	N82	max	2269.766	11	2340.661	17	1668.985	12	-.032	11	1.49	8	3.942	17
6		min	-2203.64	5	432.897	11	-1640.855	6	-2.415	17	-1.507	2	.223	11
7	Totals:	max	5766.464	10	6717.266	24	5675.361	1						
8		min	-5766.466	4	3096.516	6	-5675.361	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE 3.0	.117	7.996	19	.088	4.457	7	27936.207	65205	5.749	5.749	2...	H1-1b
2	M4	HSS4X4X4	.374	0	15	.091	0	y 13	97235.187	106155	12.311	12.311	3...	H1-1b
3	M10	HSS4X4X4	.219	2.375	14	.081	2.375	y 13	104265.3...	106155	12.311	12.311	1...	H1-1b
4	MP3A	PIPE 2.5	.176	3.688	4	.050	3.688	5	37773.818	50715	3.596	3.596	1...	H1-1b
5	MP4A	PIPE 2.0	.213	3.688	5	.080	1.25	7	20866.733	32130	1.872	1.872	1...	H1-1b
6	MP2A	PIPE 2.0	.303	3.688	9	.123	3.75	4	20866.733	32130	1.872	1.872	1...	H1-1b
7	MP1A	PIPE 2.0	.193	3.688	9	.097	1.25	7	20866.733	32130	1.872	1.872	1...	H1-1b
8	M43	HSS4X4X4	.210	0	24	.073	0	y 13	104265.3...	106155	12.311	12.311	1...	H1-1b
9	M46	PL1/2x6	.254	.516	7	.103	0	y 23	66009.234	97200	1.012	12.15	1...	H1-1b
10	M51B	L2x2x3	.175	0	3	.013	4.426	y 16	8748.263	22743	.542	1.033	1...	H2-1
11	M52B	L2x2x3	.156	4.426	12	.013	0	y 21	8748.263	22743	.542	1.054	1...	H2-1
12	M76	PL3/8x6	.266	0	10	.239	0	y 18	68744.565	70875	.554	8.859	1...	H1-1b
13	M77	PL3/8x6	.349	.167	8	.530	0	y 13	69630.374	70875	.554	8.859	1...	H1-1b
14	M80	PL1/2x6	.069	.112	1	.040	.112	y 4	96757.507	97200	1.012	12.15	1...	H1-1b
15	M84	PL3/8x6	.206	0	1	.296	0	y 20	68744.565	70875	.554	8.859	1...	H1-1b
16	M85	PL3/8x6	.329	.167	6	.504	0	y 13	69630.374	70875	.554	8.859	1...	H1-1b
17	M91	PL1/2x6	.077	.112	1	.046	.112	y 9	96757.507	97200	1.012	12.15	1...	H1-1b
18	M36	HSS4X4X4	.386	0	23	.114	0	y 43	97235.187	106155	12.311	12.311	3...	H1-1b
19	M37	HSS4X4X4	.221	2.375	22	.081	2.375	y 21	104265.3...	106155	12.311	12.311	1...	H1-1b
20	M38	HSS4X4X4	.211	0	20	.074	0	y 21	104265.3...	106155	12.311	12.311	1...	H1-1b
21	M39	PL1/2x6	.257	.516	3	.104	0	y 18	66009.234	97200	1.012	12.15	1...	H1-1b
22	M40	L2x2x3	.177	0	10	.013	4.426	y 24	8748.263	22743	.542	1.054	1...	H2-1
23	M41	L2x2x3	.155	4.426	8	.013	0	y 17	8748.263	22743	.542	1.052	1...	H2-1
24	M45	PL3/8x6	.244	0	6	.237	0	y 14	68744.565	70875	.554	8.859	1...	H1-1b
25	M46A	PL3/8x6	.359	.167	4	.532	0	y 21	69630.374	70875	.554	8.859	1...	H1-1b
26	M48	PL1/2x6	.069	.112	9	.039	.112	y 12	96757.507	97200	1.012	12.15	1...	H1-1b
27	M50A	PL3/8x6	.209	0	9	.296	0	y 16	68744.565	70875	.554	8.859	1...	H1-1b
28	M51C	PL3/8x6	.327	.167	2	.506	0	y 21	69630.374	70875	.554	8.859	1...	H1-1b
29	M53	PL1/2x6	.078	.112	9	.046	.112	y 5	96757.507	97200	1.012	12.15	1...	H1-1b



Company :
 Designer :
 Job Number :
 Model Name :

May 3, 2021
 2:06 PM
 Checked By: _____

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

Member	Shape	Code Check	Loc[ft]	LC	Shear	...	Loc[ft]	Dir	LC	phi*Pnc [l..	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
30	M60	HSS4X4X4	.379	0	17	.121	0	y	29	97235.187	106155	12.311	12.311	3...	H1-1b
31	M61	HSS4X4X4	.222	2.375	18	.081	2.375	y	17	104265.3...	106155	12.311	12.311	1...	H1-1b
32	M62	HSS4X4X4	.212	0	16	.074	0	y	17	104265.3...	106155	12.311	12.311	1...	H1-1b
33	M63	PL1/2x6	.262	.516	11	.104	0	y	15	66009.234	97200	1.012	12.15	1...	H1-1b
34	M64	L2x2x3	.179	0	6	.013	4.426	y	20	8748.263	22743	.542	1.052	1...	H2-1
35	M65	L2x2x3	.157	4.426	4	.013	0	y	13	8748.263	22743	.542	1.054	1...	H2-1
36	M69	PL3/8x6	.243	0	2	.240	0	y	22	68744.565	70875	.554	8.859	1...	H1-1b
37	M70	PL3/8x6	.363	.167	12	.535	0	y	17	69630.374	70875	.554	8.859	1...	H1-1b
38	M72	PL1/2x6	.071	.112	5	.053	0	y	49	96757.507	97200	1.012	12.15	1...	H1-1b
39	M74	PL3/8x6	.209	0	5	.297	0	y	24	68744.565	70875	.554	8.859	1...	H1-1b
40	M75	PL3/8x6	.334	.167	11	.509	0	y	17	69630.374	70875	.554	8.859	1...	H1-1b
41	M77A	PL1/2x6	.080	.112	5	.045	.112	y	1	96757.507	97200	1.012	12.15	1...	H1-1b
42	M82A	PIPE 3.0	.117	7.996	15	.087	4.457		3	27936.207	65205	5.749	5.749	2...	H1-1b
43	M83B	PIPE 3.0	.116	7.996	23	.089	4.457		11	27936.207	65205	5.749	5.749	2...	H1-1b
44	MP5A	PIPE 2.0	.149	3.688	5	.094	1.25		6	20866.733	32130	1.872	1.872	1...	H1-1b
45	MP3C	PIPE 2.5	.176	3.688	12	.048	3.688		3	37773.818	50715	3.596	3.596	2...	H1-1b
46	MP4C	PIPE 2.0	.212	3.688	1	.088	1.25		3	20866.733	32130	1.872	1.872	1...	H1-1b
47	MP2C	PIPE 2.0	.308	3.688	5	.123	3.75		1	20866.733	32130	1.872	1.872	1...	H1-1b
48	MP1C	PIPE 2.0	.192	3.688	5	.093	1.563		3	20866.733	32130	1.872	1.872	2...	H1-1b
49	MP5C	PIPE 2.0	.148	3.688	1	.099	1.25		2	20866.733	32130	1.872	1.872	1.9	H1-1b
50	MP3B	PIPE 2.5	.172	3.688	8	.049	3.688		9	37773.818	50715	3.596	3.596	1...	H1-1b
51	MP4B	PIPE 2.0	.211	3.688	9	.081	1.25		11	20866.733	32130	1.872	1.872	1...	H1-1b
52	MP2B	PIPE 2.0	.299	3.688	1	.123	3.75		8	20866.733	32130	1.872	1.872	1...	H1-1b
53	MP1B	PIPE 2.0	.189	3.688	1	.099	1.25		11	20866.733	32130	1.872	1.872	2...	H1-1b
54	MP5B	PIPE 2.0	.148	3.688	9	.095	1.25		11	20866.733	32130	1.872	1.872	2...	H1-1b
55	M107	PIPE 2.0	.117	2.5	12	.018	2.5		12	28843.414	32130	1.872	1.872	2...	H1-1b
56	M108	PIPE 2.5	.127	4.063	8	.082	.813		6	13460.421	50715	3.596	3.596	1...	H1-1b
57	M117	L3X3X4	.215	1.143	7	.047	0	z	2	45324.609	46656	1.688	3.756	1...	H2-1
58	M118	L3X3X4	.205	1.143	3	.047	0	z	10	45324.609	46656	1.688	3.756	1...	H2-1
59	M119	L3X3X4	.213	1.143	11	.047	0	z	6	45324.609	46656	1.688	3.756	1...	H2-1
60	M133A	PIPE 2.5	.128	4.063	4	.080	.813		3	13460.421	50715	3.596	3.596	1...	H1-1b
61	M134A	PIPE 2.5	.127	4.063	12	.083	.813		10	13460.421	50715	3.596	3.596	1.8	H1-1b

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

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

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

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



Base Requirements:







- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting 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.vzsmart.com> as depicted on the drawings








Photo Requirements:


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


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

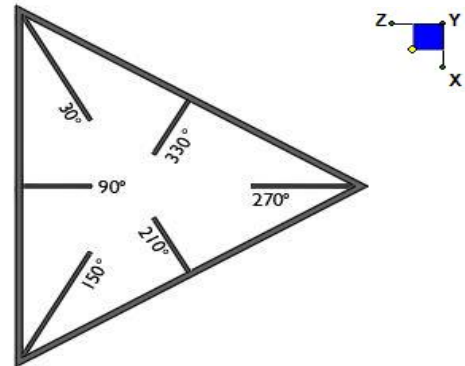
-  Certifications – Submission of this document including certifications

-  Specific Required Additional Photos

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N3	270
N53A	30
N82	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

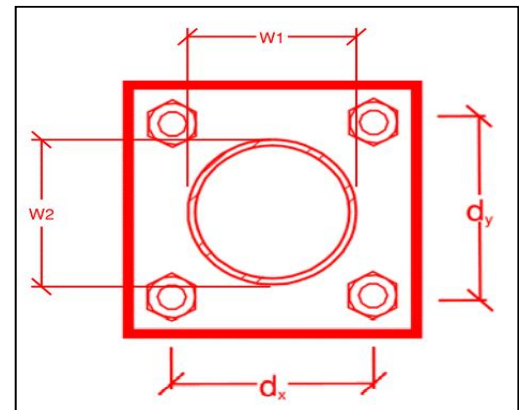
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
8
8
A307
0.5
14.6
3.7
6.4
3.8
57.1%*
23.8%



*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
10
10
4
4
36
0.6
6
8.35
2.68
50.3%
32.1%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in):	14.6
$\Phi \cdot M_{n_{xx}}$ (kip-in):	29.2
$M_{u_{yy}}$ (kip-in):	0.0
$\Phi \cdot M_{n_{yy}}$ (kip-in):	29.2

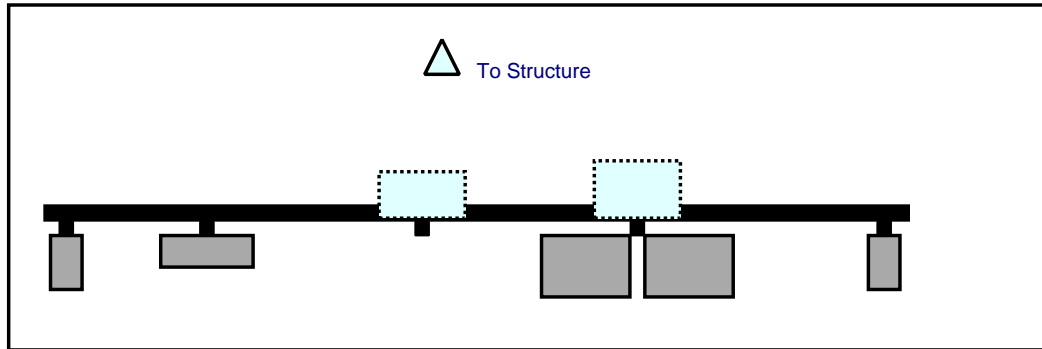
Sector: A
 Structure Type: Self Support
 Mount Elev: 112.50

5/3/2021

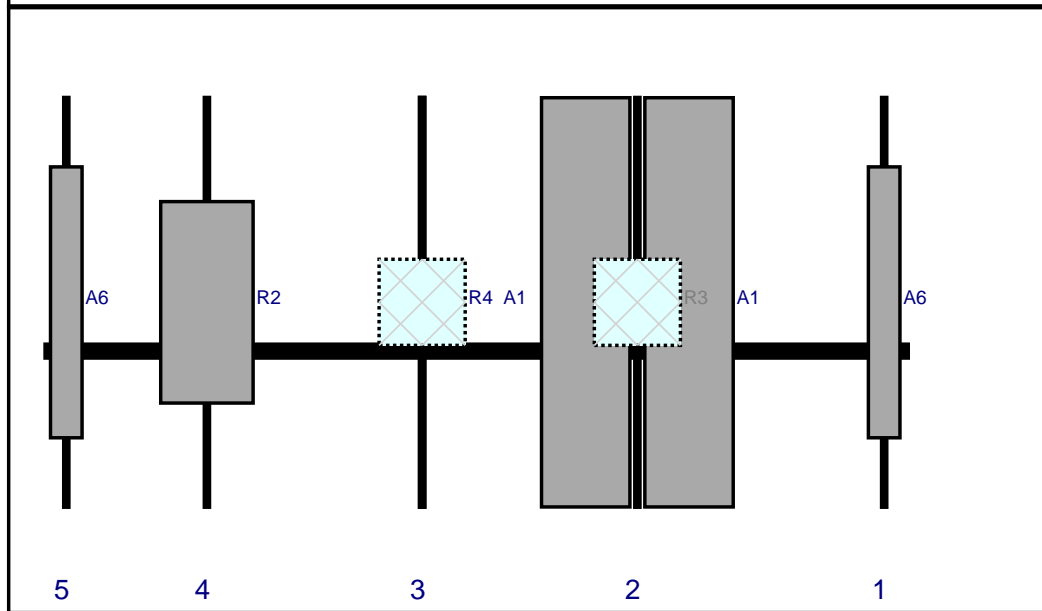
Page: 1



Plan View



Front View
 Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA80090/4CF	47.2	5.5	146.5	1	a	Front	36	0	Retained	02/17/2021
A1	MX06FRO660-03	71.3	15.4	103.5	2	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	103.5	2	b	Front	36	-9	Added	
R3	B2/B66A RRH-BR049	15	15	103.5	2	a	Behind	36	0	Added	
R4	B5/B13 RRH-BR04C	15	15	66	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	28.5	4	a	Front	36	0	Added	
A6	LPA80090/4CF	47.2	5.5	4	5	a	Front	36	0	Retained	02/17/2021

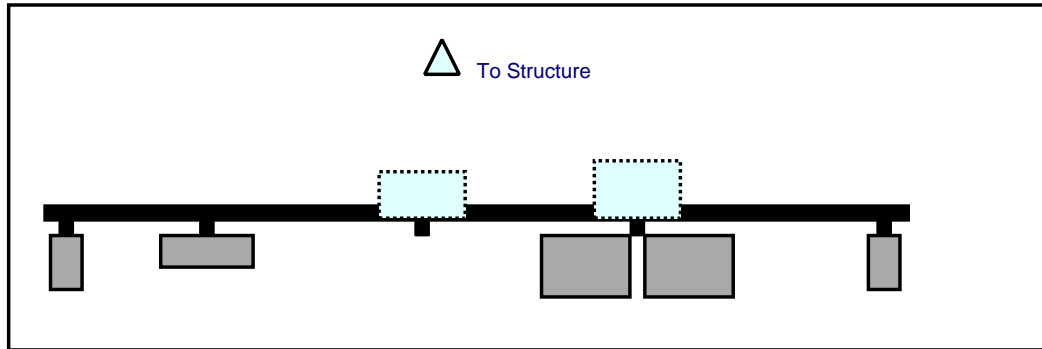
Sector: **B**
 Structure Type: Self Support
 Mount Elev: 112.50

5/3/2021

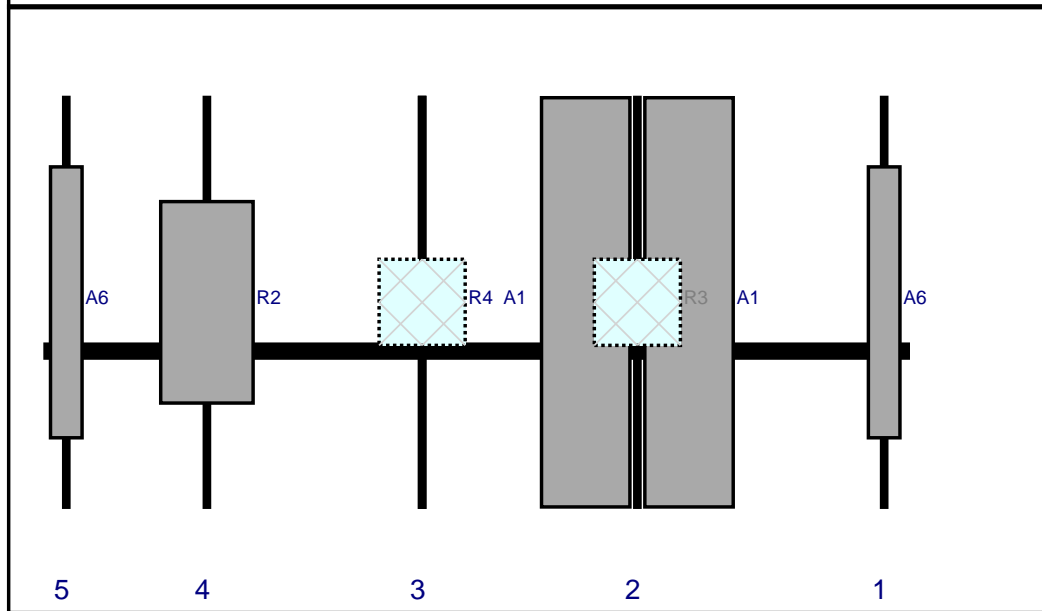


Page: 2

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA80090/4CF	47.2	5.5	146.5	1	a	Front	36	0	Retained	02/17/2021
A1	MX06FRO660-03	71.3	15.4	103.5	2	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	103.5	2	b	Front	36	-9	Added	
R3	B2/B66A RRH-BR049	15	15	103.5	2	a	Behind	36	0	Added	
R4	B5/B13 RRH-BR04C	15	15	66	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	28.5	4	a	Front	36	0	Added	
A6	LPA80090/4CF	47.2	5.5	4	5	a	Front	36	0	Retained	02/17/2021

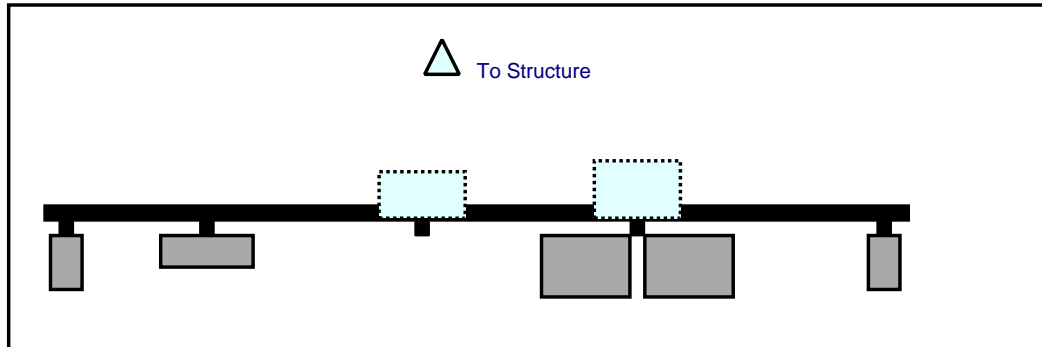
Sector: C
 Structure Type: Self Support
 Mount Elev: 112.50

5/3/2021

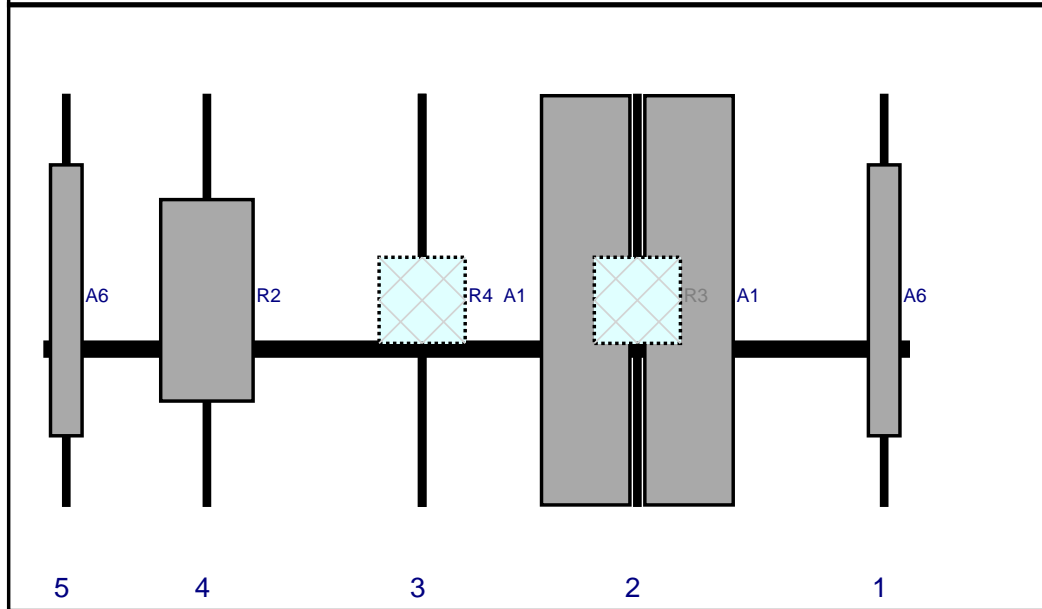


Page: 3

Plan View



Front View
 Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA80090/4CF	47.2	5.5	146.5	1	a	Front	36	0	Retained	02/17/2021
A1	MX06FRO660-03	71.3	15.4	103.5	2	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	103.5	2	b	Front	36	-9	Added	
R3	B2/B66A RRH-BR049	15	15	103.5	2	a	Behind	36	0	Added	
R4	B5/B13 RRH-BR04C	15	15	66	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	28.5	4	a	Front	36	0	Added	
A6	LPA80090/4CF	47.2	5.5	4	5	a	Front	36	0	Retained	02/17/2021

Maser Consulting Connecticut

Subject*TIA-222-H Usage***Site Information**

*Site ID: 467612-VZW / MILFORD 3 CT
Site Name: Milford 3 CT
Carrier Name: Verizon Wireless
Address: 10 Bona St.
Milford, Connecticut 06461
New Haven County
Latitude: 41.220083°
Longitude: -73.077389°*

Structure Information

*Tower Type: Monopole
Mount Type: 12.58-Ft Platform Mount*

To Whom It May Concern,

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

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

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

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

Sincerely,

Alec S. Norris, PE
Project Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: **MILFORD 3 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	623	2494	113	0.0070	0.5007	1.40%
VZW Cellular	874	4	638	2552	113	0.0072	0.5827	1.23%
VZW PCS	1975	4	1462	5846	113	0.0165	1.0000	1.65%
VZW AWS	2120	4	1566	6264	113	0.0176	1.0000	1.76%
VZW CBAND	3730.08	4	6531	26125	113	0.0736	1.0000	7.36%
Total Percentage of Maximum Permissible Exposure								13.40%

*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.

Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Thursday, October 14, 2021 9:44 AM
To: Colin Robinson
Subject: FedEx Shipment 284849646801: Your package has been delivered



Hi. Your package was delivered Thu, 10/14/2021 at 9:41am.



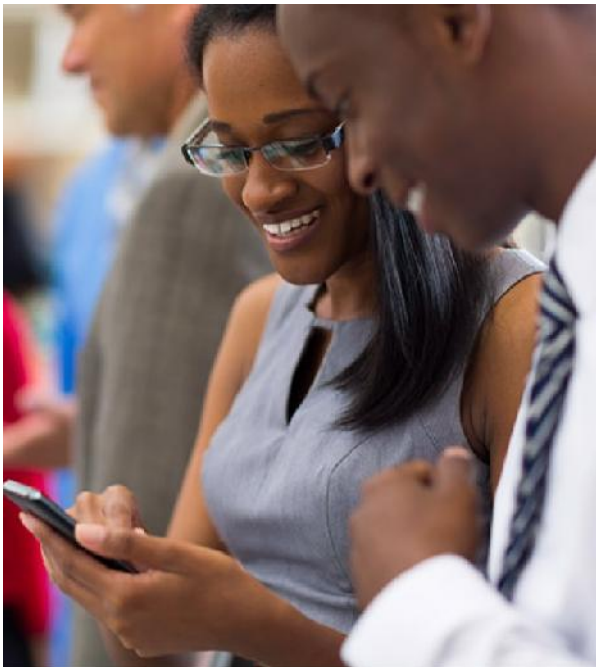
Delivered to 10 FRANKLIN SQ, NEW BRITAIN, CT 06051

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER	284849646801
FROM	NB+C 100 Apollo Dr. Suite 303 CHELMSFORD, MA, US, 01824
TO	Connecticut Siting Council Melanie A. Bachman

10 Franklin Square
NEW BRITAIN, CT, US, 06051

REFERENCE	100788 873633 Milford CT
SHIPPER REFERENCE	100788 873633 Milford CT
SHIP DATE	Wed 10/13/2021 06:21 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	NEW BRITAIN, CT, US, 06051
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	2.00 LB
SERVICE TYPE	FedEx Standard Overnight



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Thank you for your business.