CROWN CASTLE

Crown Castle
300 Barr Harbor Drive
Suite 300
Conshohocken, PA 19428

May 28, 2024

Via Fedex #776577746694

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

RE: **Notice of Exempt Modification for Verizon Wireless: 5000386209**
Crown Site ID# 873633
10 Bona Street, Milford, CT 06461
Latitude: 41° 13′ 12.27″ / Longitude: -73° 4′ 38.56″

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless 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 owned by 10 Bona Street LLC C/O Crown Castle and the tower is owned by Crown Castle. Cellco Partnership d/b/a Verizon Wireless now intends to remove nine (9) antennas and replace with nine (9) new antennas with 6 remaining antennas and ancillary antenna equipment at the 113-ft level. This Eligible Facilities Request for antenna modification/proposal of an existing telecommunications facility 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 Modification:

Tower:

Install New:

(6) JMA – MX06FRO660-03 ANTENNAS
(3) SAMSUNG – MT6413-77A ANTENNAS W/INTEGRATED RRU
(3) SAMSUNG – B2/B66A RRH ORAN RADIOS
(3) SAMSUBG – RF4461D – 13A RADIOS
(1) RAYCAP – 12 OVP BOX
(1) RFS/CELLWAVE – 6X12 HYBRIDFLEX CABLE

Remove:

(6) AMPHENOL – BXA-171063-8BF-EDIN ANTENNAS
(3) SWEDCOM – SWCP2X5514 ANTENNAS
(3) NOKIA – UHID B4 RRH 2X40 RADIOS
(1) ANDREW – 1-5/8" COAX CABLE

Ground:

Remove:

(3) NOKIA – UBHA B13 RRH 4X30 RADIOS

The facility was approved by the City of Milford Planning and Zoning Commission on August 21, 2001. On October 23, 2002, the Connecticut Siting Council acknowledged the notice to modify the existing telecommunications facility.

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 Hon. Anthony S. Giannattasio, Mayor, City of Milford and Stephen Harris, ZEO, City of Milford. Crown Castle is the tower owner and listed on the property card as "C/O 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, Cellco Partnership d/b/a Verizon Wireless 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). Please send approval/rejection letter to Attn: Jenifer Bachi.

Sincerely,

Jenifer Bachi
Permitting Specialist
300 Barr Harbor Drive, Ste. 300
Conshohocken, PA 19428
(610) 635-3221
Jenifer.bachi@crowncastle.com

Attachments are as follows:

Exhibit A – Original Facility Approval
Exhibit B – Property Card
Exhibit C – Property Map
Exhibit D – Construction Drawings
Exhibit E – Structural Analysis Report
Exhibit F – Mount Analysis Report
Exhibit G – Power Density / RF Emissions Report
Exhibit H – Recipient Mailing Records
Check #2960732 for $625 Application Fee

cc:

via Fedex #776577534170
The Honorable Anthony S. Giannattasio, Mayor
City of Milford
110 River Street
Milford, CT 06460
203-783-3201

Via Fedex #776577639553
Stephen H. Harris, Zoning Enforcement Officer
City of Milford
70 West River Street
Milford, CT 06460
203-783-3245

Crown Castle, Tower Owner

Check Application Fee $625

THIS CHECK PRINTED ON DOCUCHECK GHOST PAPER AND HAS A GRAPHIC WATERMARK ON REVERSE SIDE

CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG PA 15317
724-416-2000

JPMorgan Chase Bank, N.A.
DALLAS TX
32-61/1110

2960732

$********625.00

SIX HUNDRED TWENTY FIVE AND 00/100**

DATE 05/10/24

Pay To
The
Order Of

Connecticut Siting Council
Ten Franklin Square
New Britain CT 06051

2695915

VP and Controller

VOID AFTER 180 DAYS

⑈2960732⑈ ⑆111000614⑆ 103410453⑈

Check No 2960732
Check Date 05/10/24

Stub 1 of 1

CKRQ 873633 662911 ZN	05/10/24	Invoice Summ	625.00	625.00
			625.00	625.00

EXHIBIT A

Original Facility Approval

City of Milford, Connecticut

Founded 1639

ZONING BOARD OF APPEALS

70 West River Street
Milford, CT 06460-3317
Telephone (203) 783-3245
Fax (203) 783-3303

THIS IS TO CERTIFY THAT, Integrated Mobile Services, Inc., was granted a variance by the Zoning Board of Appeals on March 13, 2001, for the property located at: **10 Bona Street,** Assessor's Map **43 & 53** , Block **304** , Parcel **69, 70, 71 & 72,** in the City of Milford, County of New Haven, State of Connecticut, of which, Joseph N. Clemente, 10 Bona Street, Milford, CT, is the owner.

A VARIANCE WAS GRANTED TO:

Vary Section 4.1.13 exceptions to height requirements to allow 150 ft. high monopole where 50 ft. is permitted.

"NO VARIANCE, SPECIAL PERMIT OR SPECIAL EXCEPTION GRANTED PURSUANT TO CHAPTER 124 OF ANY SPECIAL ACT SHALL BE EFFECTIVE UNTIL A COPY THEREOF...IS RECORDED IN THE LAND RECORDS OF THE TOWN IN WHICH SUCH PREMISES ARE LOCATED." P.A. 75-317

RECORDED: ____________________
DATE

ZONING BOARD OF APPEALS

CITY CLERK REC. NO. ____________________

BY: Errol Van Hise
Errol Van Hise, Chairman

Received for record AUG 21 2001
at 9:20:56AM and recorded by me.
Alan H. Jepson
Milford City Clerk

009587

CITY OF MILFORD, CONNECTICUT

THIS IS TO CERTIFY THAT INTEGRATED MOBILE SERVICES, LLC

WAS GRANTED A SPECIAL PERMIT BY THE

MILFORD PLANNING & ZONING BOARD ON AUGUST 7, 2001 FOR

PROPERTY LOCATED AT 10 BONA STREET

MAP 43 & 53 BLOCK 304 PARCEL 69-72

IN THE CITY OF MILFORD, COUNTY OF NEW HAVEN, STATE OF

CONNECTICUT FOR WHICH JOSEPH N. CLEMENTE IS THE OWNER.

THE SPECIAL PERMIT WAS GRANTED:

To construct a 150' monopole communication tower with up to 4 equipment buildings (up to 12' x 26' size). A variance was granted March 13, 2001 by the ZBA to increase the allowable height from 50' to 150' in a GI zone. All construction shall be in accordance with plans as follows:

SHEET	ENTITLED	DATED
Title Sheet	Integrated Mobile Services, LLC	11/22/99
C-1	Site Plan	11//22/99; revised to 2/21/00
C-2	Site Details	11/10/99; revised to 2/21/00
C-3	Compound Plan & Elevation	11/10/99; revised to 2/21/00

The following city department reports apply: Letter from B. C. Kolwicz dated February 2, 2000; Police Department memo from Sgt. P. Ellsworth dated December 8, 1999. The applicant will be required to pave 200± of Bona Street from Erna Avenue to city standards for acceptance.

"NO VARIANCE, SPECIAL PERMIT OR SPECIAL EXCEPTION GRANTED PURSUANT TO CHAPTER 124 OF ANY SPECIAL ACT SHALL BE EFFECTIVE UNTIL A COPY THEREOF...IS RECORDED IN THE LAND RECORDS OF THE TOWN IN WHICH SUCH PREMISES ARE LOCATED."

P.A. 75-317

PLANNING & ZONING BOARD

RECORDED ____________________

CITY CLERK REC. NO.__________

BY:

Wade E. Pierce

WADE E. PIERCE
EXECUTIVE SECRETARY

AUG 21 2001
Received for record
at 9:42:19 AM and recorded by me.
Alan H. Jepson
Milford City Clerk

City of Milford, Connecticut

OFFICE OF:
TOWN-CITY CLERK

To:
Mayor James Richetelli
Michele Collins, Chmn.
Bd. of Aldermen
Chief Louis LaVecchia, Fire Dept.
Chief Thomas Flaherty, Police Dept.
Bruce Kolwicz, Public Wks. Dir.
Anthony Pinto
Marilyn Lipton, City Attorney
William Gaffney, Assessor
John Casey, City Engineer
Wade Pierce, City Planner

From:
Alan Jepson
City Clerk
Alan Jepson

Date: March 5, 2003

Subject: Board of Alderman Referral Items No. 8a New Business

At the Regular Meeting of the Board of Aldermen held on March 3, 2003, the following action was taken:

8. New Business
    a. Board of Aldermen approval is requested for the acceptance of Bona Street (for the length paved) as a City street per the recommendation of the Planning and Zoning Board.

    Approved unanimously.

70 West River Street, Milford, CT 06460-3364 Tel 203-783-3210 FAX 203-783-3362

City of Milford, Connecticut
- Founded 1639 -
70 West River Street - Milford, CT 06460-3317
Tel 203-783-3245 FAX 203-783-3303

Planning and Zoning
Office

February 5, 2003

Mr. Carlos Centore
63-2 North Branford Road
Branford, CT 06405

RE: 10 BONA STREET – STREET ACCEPTANCE

Dear Mr. Centore:

At its meeting held on Tuesday, February 4, 2003 the Milford Planning & Zoning Board moved to recommend to the Board of Aldermen that Bona Street (for the length paved) be accepted as a city street; (in conjunction with CGS 8-24 municipal improvements). Letter of recommendation from the Director of Public Works Bruce Kolwicz dated January 24, 2003 is attached.

Very truly yours,

Peter W. Crabtree for WEP

WADE E. PIERCE
Executive Secretary to the
Planning & Zoning Board

WEP/cv

C: Michele Collins, Chair
Board of Aldermen

Marilyn Lipton, City Attorney

Mayor James Richetelli, Jr.

City of Milford, Connecticut

Office of:
BRUCE C. KOLWICZ
Director of Public Works

RECEIVED
JAN 24 2003
PLANNING & ZONING
MILFORD, CT 06460

Date: January 24, 2003

To: Peter Crabtree, Planning & Zoning

From: Bruce C. Kolwicz, P.W. Director

Bruce C

Re: 10 Bona Street

This street can be accepted as a public street.

BCK:kh

83 Ford Street Milford, Connecticut 06460 (203) 783-3265

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

I:\siting\em\bam-ver\milford\dc102302.doc

EXHIBIT B

Property Card

10 BONA ST

Location	10 BONA ST	**Mblu**	53/ 304/ 70/ /
Acct#	003888	**Owner**	10 BONA STREET LLC
Assessment	$277,590	**Appraisal**	$396,560
PID	12894	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$270,000	$126,560	$396,560

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$189,000	$88,590	$277,590

Owner of Record

Owner	10 BONA STREET LLC	**Sale Price**	$0
Other	C/O CROWN CASTLE	**Certificate**	
Address	PMB 353/SITE BU 873633 4017 WASHINGTON RD MCMURRAY, PA 15317-2520	**Book & Page**	03141/0288
		Sale Date	01/03/2007
		Instrument	

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
10 BONA STREET LLC	$0		03141/0288		01/03/2007
CLEMENTE JOSEPH N	$0		01111/0191		04/29/1981

Building Information

Building 1 : Section 1

Year Built:	
Living Area:	0
Replacement Cost:	$0
Building Percent Good:	
Replacement Cost Less Depreciation:	$0

Building Attributes	
Field	**Description**
Style:	Outbuildings
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Description:	
Kitchen Descrip:	
Num Kitchens	
Cndtn	
Int Condition:	
Solar Panels	
House Generator	
Num Park	
Fireplaces	
Fndtn Cndtn	
Basement	

Building Photo

(https://images.vgsi.com/photos/MilfordCTPhotos//\00\03\98\24.JPG)

Building Layout

Building Layout (ParcelSketch.ashx?pid=12894&bid=13034)

Building Sub-Areas (sq ft) **Legend**
No Data for Building Sub-Areas

Extra Features

Extra Features **Legend**
No Data for Extra Features

Land

Land Use

Use Code	434V
Description	CELL TOWER MDL-00
Zone	CDD1
Neighborhood	F
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.23
Frontage	100
Depth	100
Assessed Value	$88,590
Appraised Value	$126,560

Outbuildings

Outbuildings **Legend**

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
CEL1	CEL TWR SITE			1.00 UNITS	$270,000	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2022	$270,000	$126,560	$396,560
2021	$270,000	$126,560	$396,560
2019	$250,000	$101,250	$351,250
2018	$250,000	$101,250	$351,250

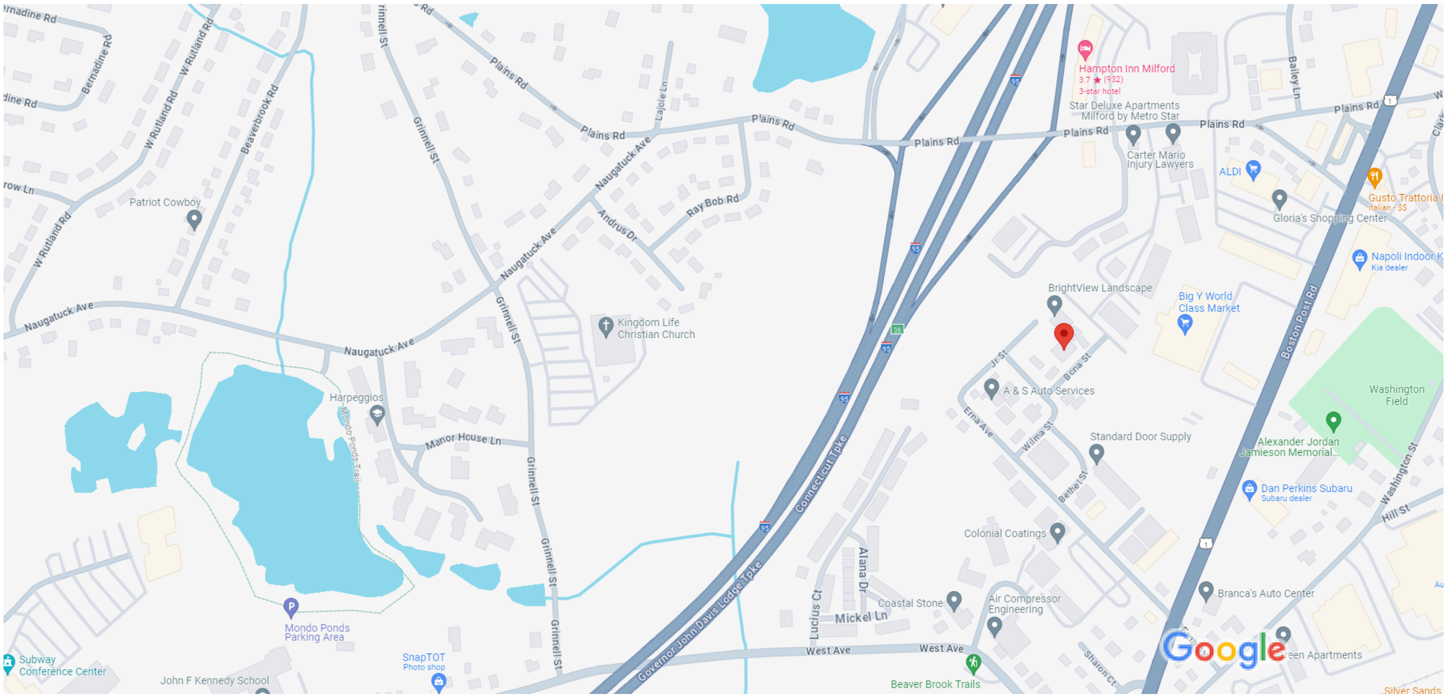
Assessment

Valuation Year	Improvements	Land	Total
2022	$189,000	$88,590	$277,590
2021	$189,000	$88,590	$277,590
2019	$175,000	$70,880	$245,880
2018	$175,000	$70,880	$245,880

EXHIBIT C

Property Map

10 Bona St



Map data ©2024 200 ft

10 Bona St

Building

Directions Save Nearby Send to phone Share

10 Bona St, Milford, CT 06461

Photos

EXHIBIT D

Construction Drawings

verizon✓

VERIZON SITE NUMBER: 5000386209
VERIZON SITE NAME: MILFORD 3 CT
VERIZON PROJECT: 16231891
SITE TYPE: MONOPOLE
TOWER HEIGHT: 133'-0"

BUSINESS UNIT #: 873633
SITE ADDRESS: 10 BONA ST
MILFORD, CT 06461
COUNTY: NEW HAVEN
JURISDICTION: CITY OF MILFORD

SITE INFORMATION

CROWN CASTLE USA INC.	
SITE NAME:	MILFORD
BU NUMBER:	873633
TOWER OWNER:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY RD BEDMINSTER, NJ 07921
SITE ADDRESS:	10 BONA ST MILFORD, CT 06461
COUNTY:	NEW HAVEN
LATITUDE:	41° 13' 12.27" / 41.22°
LONGITUDE:	-73° 4' 38.56" / -73.0773°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	70'+/- AMSL
AREA OF CONSTRUCTION:	EXISTING
CURRENT ZONING:	-
MAP/PARCEL #:	MILF-000053-000304-000070
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	GLOBAL SIGNAL ACQUISITION PO BOX 277455 ATLANTA, GA 30389-7455
JURISDICTION:	CITY OF MILFORD 70 WEST RIVER STREET MILFORD, CT 06460
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO (800) 922-4455
TELCO PROVIDER:	ATT (866) 620-6900

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CROWN CASTLE USA INC. DISTRICT CONTACTS:	2000 CORPORATE DRIVE CANONSBURG, PA 15317 ALEXANDER MABBETT - PROJECT MANAGER ALEXANDER.MABBETT@CROWNCASTLE.COM HEATHER MILLER - AES HEATHER.MILLER@CROWNCASTLE.COM

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

TEMPLATENAME_DATEOFGENERATION

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATIONS
C-3	ANTENNA PLANS
C-4	FINAL EQUIPMENT SCHEDULE
C-5.1	EQUIPMENT DETAILS & SPECIFICATIONS
C-5.2	EQUIPMENT DETAILS & SPECIFICATIONS
C-6	COLOR CODE MATRIX
G-1	GROUNDING DETAILS
ATTACHED	RFDS PLUMBING DIAGRAMS
ATTACTED	MOUNT MODIFICATION (BY OTHERS)

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.

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

811

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vzwsmart.com
SMART TOOL VENDOR	
PROJECT NUMBER	10209520
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

APPROVALS

VERIZON SIGNATURE BLOCK

APPROVAL	SIGNATURE	DATE
SITE ACQUISITION		
CONSTRUCTION		
RADIO		
MICROWAVE		
TELCO		
EQUIPMENT		
PROJECT ADMINISTRATOR		
WO ADMINISTRATOR		

CROWN CASTLE USA INC. SIGNATURE BLOCK

APPROVAL		
SITE ACQUISITION		
PLANNER		
CONSTRUCTION		
PROJECT MANAGER		
UTILITY MANAGER		
LANDLORD		

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 (6) AMPHENOL - BXA-171063-8BF-EDIN ANTENNA
- REMOVE (3) SWEDCOM - SWCP2X5514 ANTENNA
- REMOVE (3) NOKIA - UHID B4 RRH 2X40 RADIO
- REMOVE (1) RAYCAP - 6 OVP OVP BOX
- REMOVE (1) ANDREW - 1-5/8" COAX CABLE
- INSTALL (6) JMA - MX06FRO660-03 ANTENNA
- INSTALL (3) SAMSUNG - MT6413-77A ANTENNA W/INTEGRATED RRU
- INSTALL (3) SAMSUNG - B2/B66A RRH ORAN (RF4439D-25A) RADIO
- INSTALL (3) SAMSUNG - RF4461D-13A RADIO
- INSTALL (1) RAYCAP - 12 OVP OVP BOX
- INSTALL (1) RFS/CELWAVE - 6X12 HYBRIFLEX HYBRID CABLE

GROUND SCOPE OF WORK:
- REMOVE (3) NOKIA - UHBA B13 RRH 4X30 RADIO

LOCATION MAP

DIRECTIONS

NO SCALE

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	2022 CONNECTICUT SBC/2021 IBC
MECHANICAL	2022 CONNECTICUT SBC/2021 IMC
ELECTRICAL	2022 CONNECTICUT SBC/2020 NEC

△1

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	TOWER ENGINEERING PROFESSIONALS
DATED:	2/20/24
MOUNT ANALYSIS:	COLLIERS ENGINEERING & DESIGN
DATED:	10/26/23
RFDS REVISION:	REV 4
DATED:	7/25/23
ORDER ID:	662911
REVISION:	0

INSTALLER NOTE:

NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT MODIFICATION DESIGN BY COLLIERS ENGINEERING & DESIGN DATED 10/26/23.

verizon✓

CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/27/24	BCV	CONSTRUCTION	EVI
1	5/17/24	BCV	REVISION	EVI

DocuSigned by:
BAD6066DD9024F4...

ANDREW JOSEPH FANDOZZI III
No. 30515

5/23/2024 | 8:23:57 AM CDT

CROWN CASTLE USA INC.
CERTIFICATE OF REGISTRATION #PEC.0001101

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

SHEET NUMBER:	REVISION:
T-1	1

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon

CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/27/24	BCV	CONSTRUCTION	EVI
1	5/17/24	BCV	REVISION	EVI

DocuSigned by:
BAD6066DD9024F4

ANDREW JOSEPH FANDOZZI III
No. 30515

5/23/2024 | 8:23:57 AM CDT

CROWN CASTLE USA INC.
CERTIFICATE OF REGISTRATION #PEC.0001101

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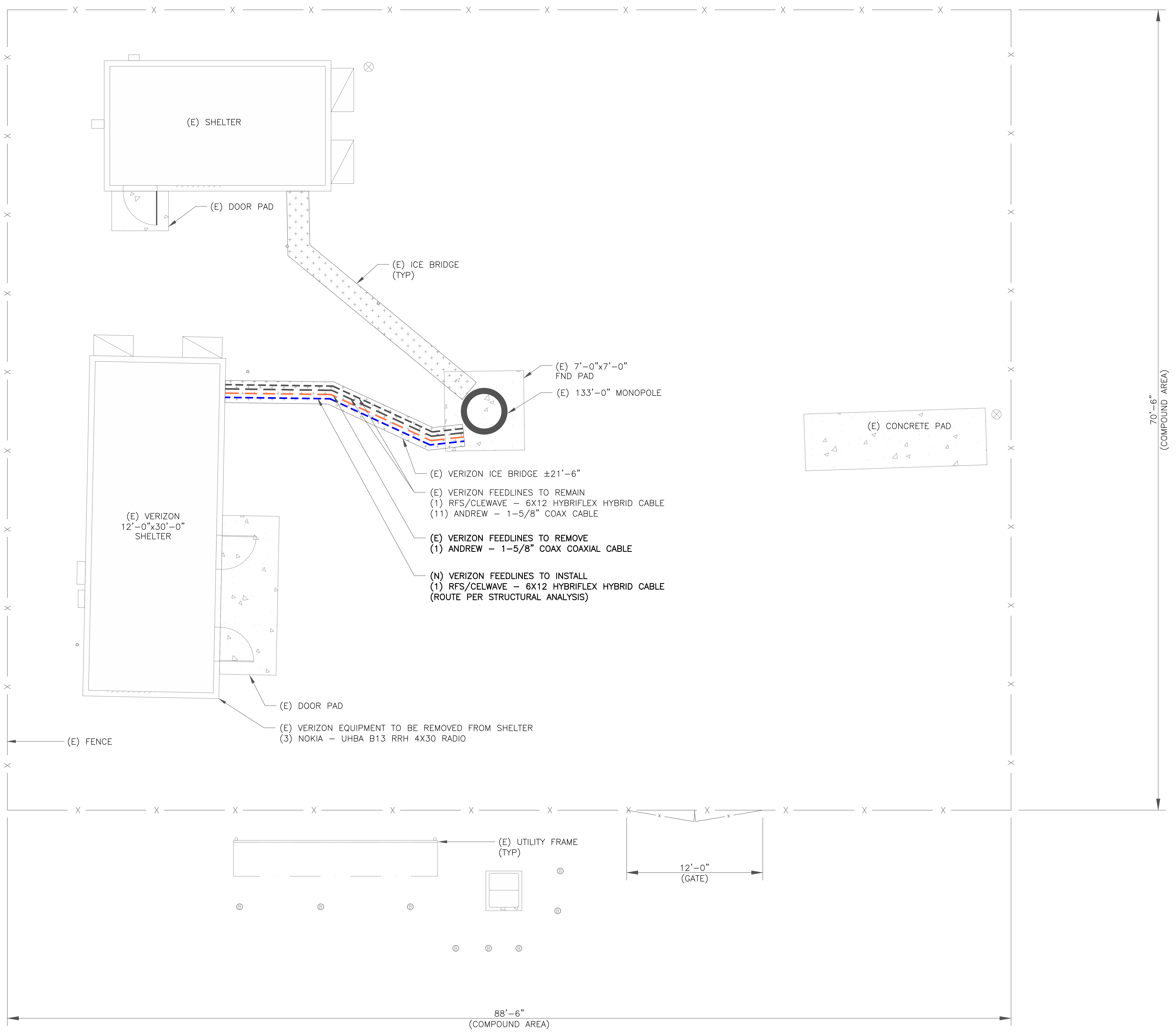
SHEET NUMBER: T-2

REVISION: 1



1 SITE PLAN

SCALE: 4' 2' 0 4' 3/16"=1'-0" (FULL SIZE)
3/32"=1'-0" (11x17)

N

verizon✓

CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

ISSUED FOR:

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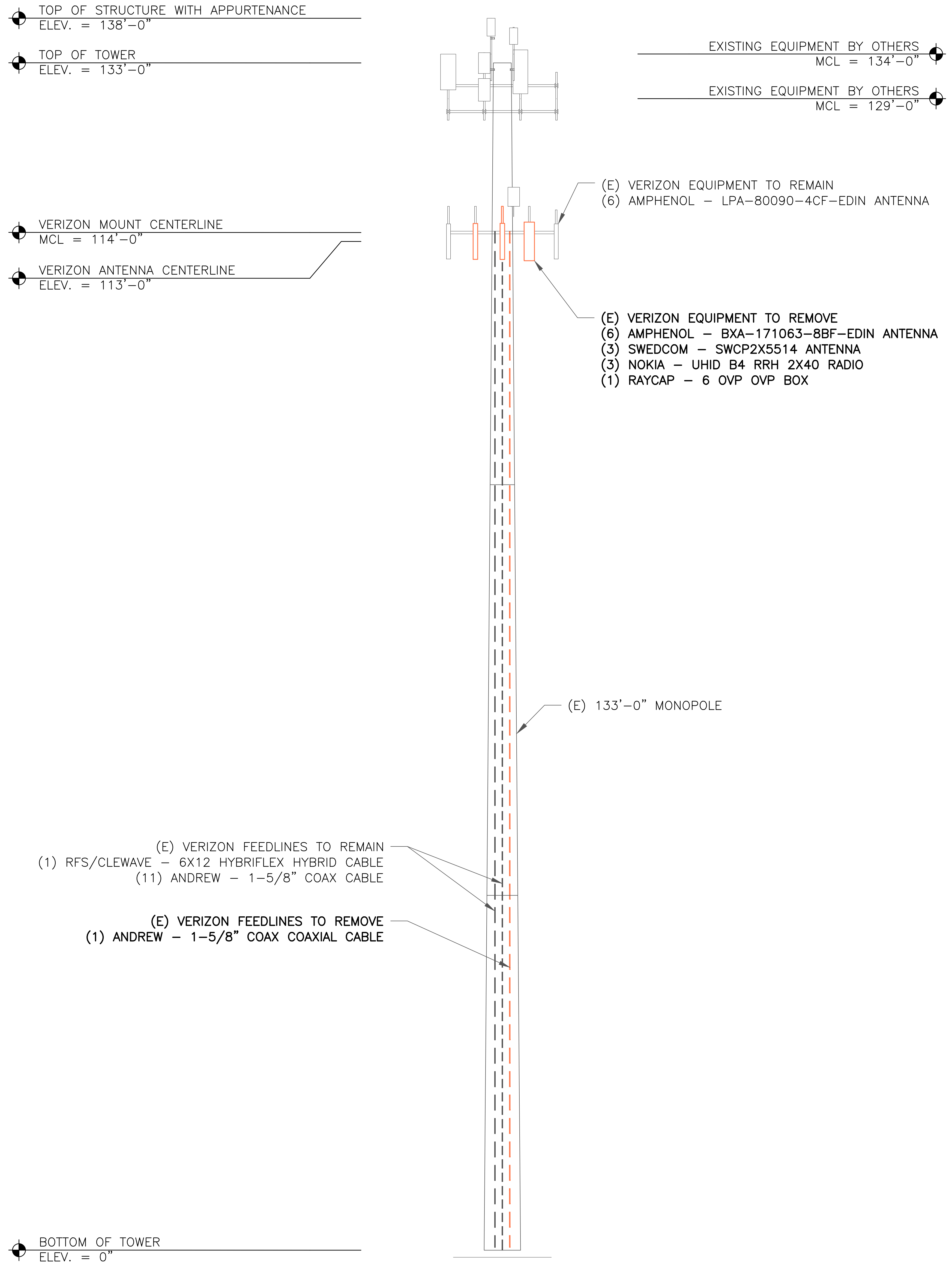
SHEET NUMBER: C-1

REVISION: 1

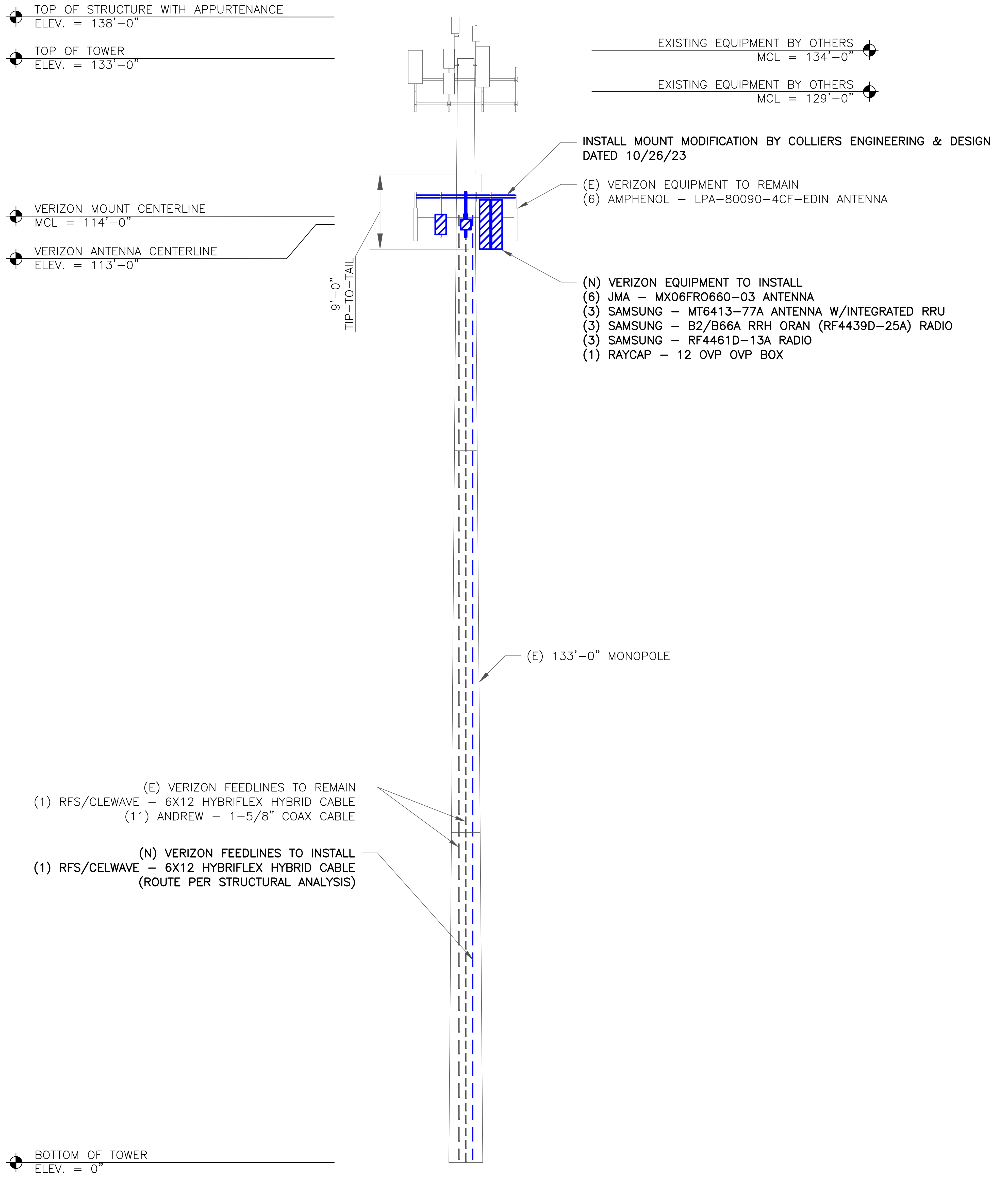
VERIZON EQUIPMENT

ANTENNA CL: 113'-0"
MOUNT CL: 114'-0"



① EXISTING TOWER ELEVATION

SCALE: 8' 4' 0 8' 3/32"=1'-0" (FULL SIZE) 3/64"=1'-0" (11x17)



INSTALLER NOTE:

NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT MODIFICATION DESIGN BY COLLIERS ENGINEERING & DESIGN DATED 10/26/23.

② FINAL TOWER ELEVATION

SCALE: 8' 4' 0 8' 3/32"=1'-0" (FULL SIZE) 3/64"=1'-0" (11x17)

verizon✓

CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	5/17/24	BCV	REVISION	EVI

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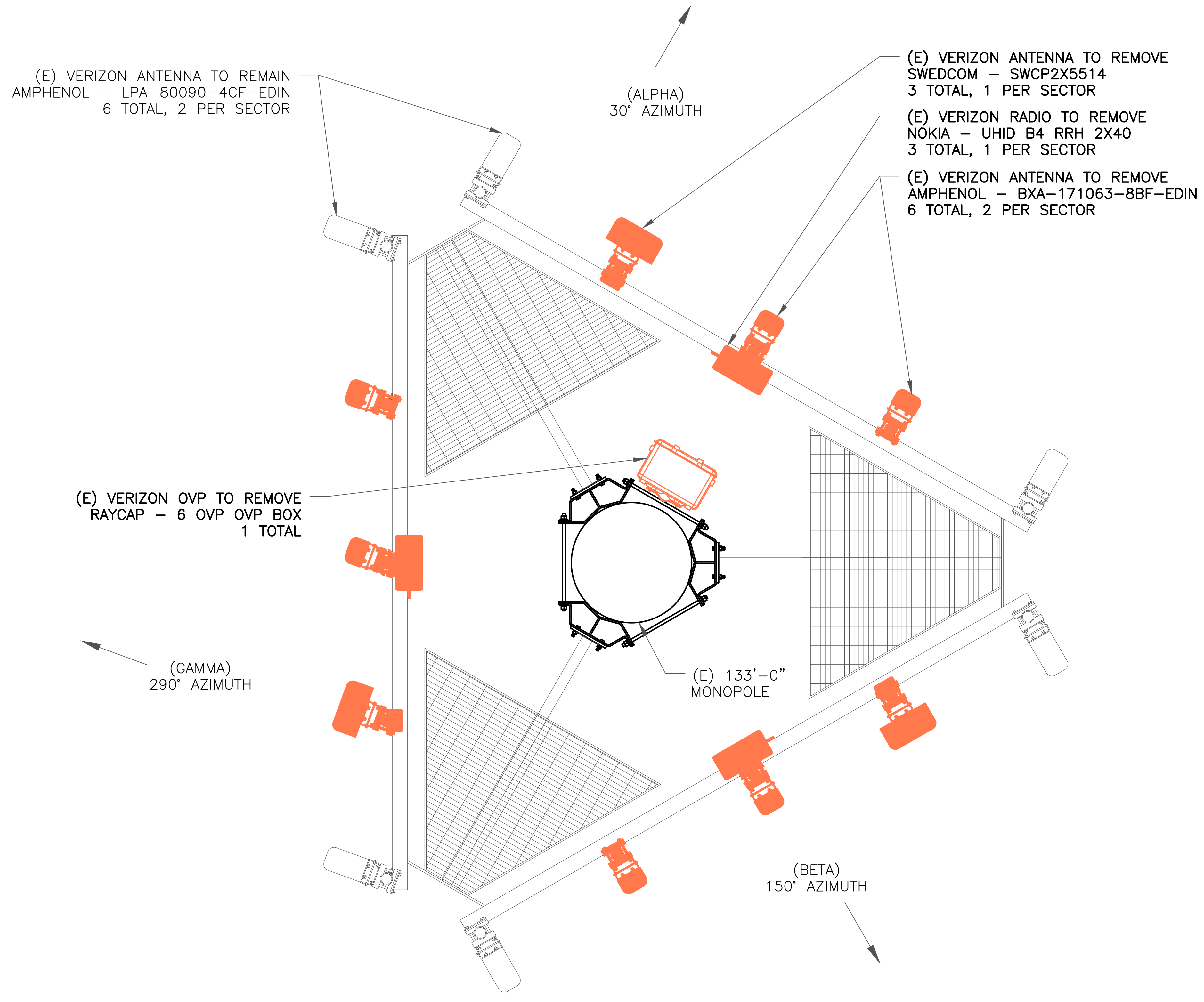
SHEET NUMBER: C-2

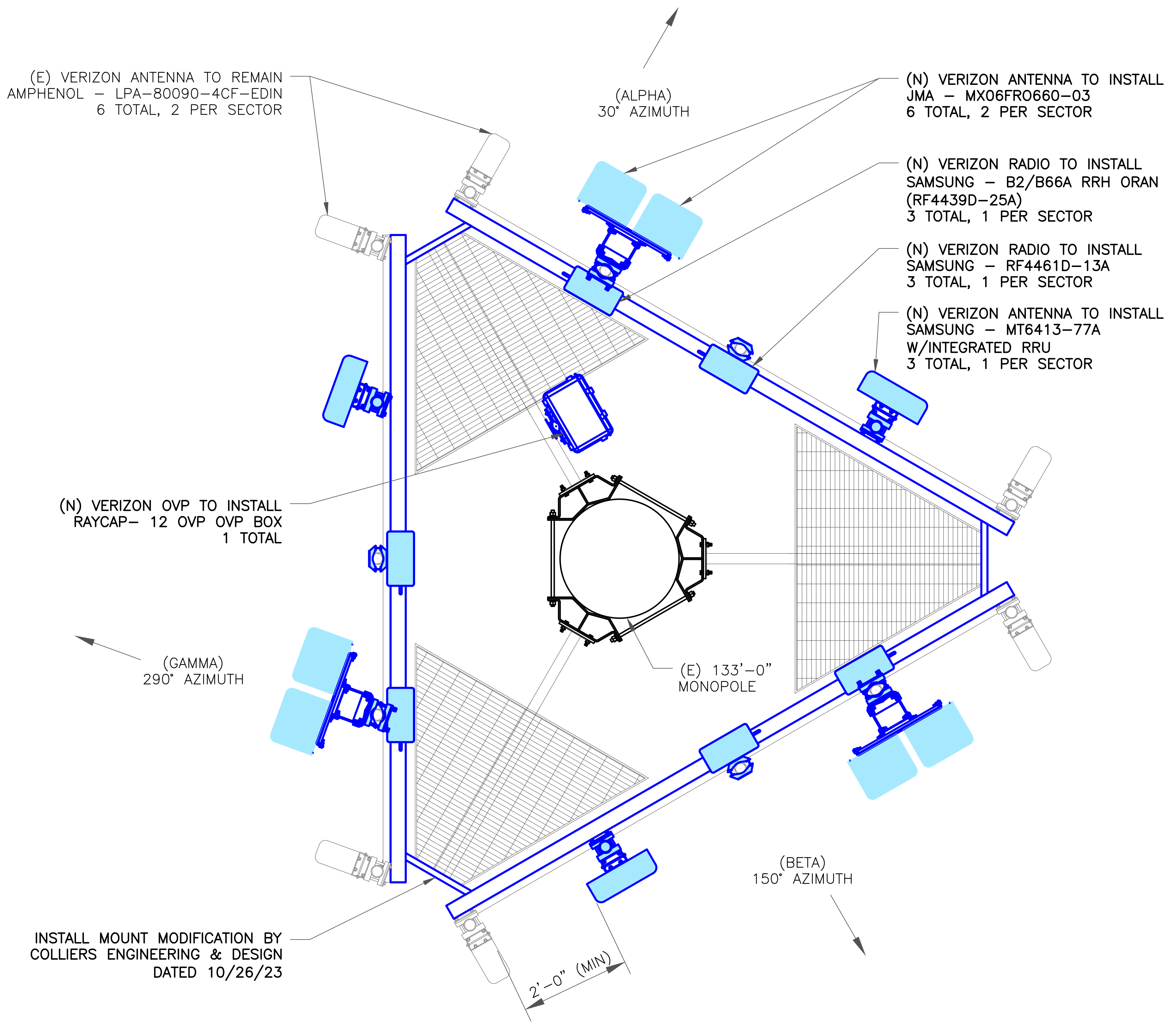
REVISION: 1



1 EXISTING ANTENNA PLAN

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

N



<u>INSTALLER NOTE:</u>

NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT MODIFICATION DESIGN BY COLLIERS ENGINEERING & DESIGN DATED 10/26/23.

2 FINAL ANTENNA PLAN

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

N

verizon✓

CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

ISSUED FOR:

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1	5/17/24	BCV	REVISION	EVI

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SHEET NUMBER:
C-3

REVISION:
1

FINAL EQUIPMENT SCHEDULE
(VERIFY WITH CURRENT RFDS)

POSITION	ANTENNA				RADIO			DIPLEXER			TMA		SURGE PROTECTION		CABLES			
	TECH	STATUS/MANUFACTURER MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH
A1	–	(E) AMPHENOL – LPA-80090-4CF-EDIN	30°	113'-0"	–	–	–	–	–	–	–	–	1	(N) RAYCAP – 12 OVP	1 1	(N) HYBRID CABLE (E) HYBRID CABLE	1-5/8" 1-5/8"	175' –
A2	700 850 1900 AWD	(N) JMA – MX06FRO660-03	30°	113'-0"	1	(N) SAMSUNG – B2/B66A RRH ORAN (RF4439D-25A)	TOWER	–	–	–	–	–	–	–	–	–	–	–
		(N) JMA – MX06FRO660-03	30°	113'-0"														
A3	–	–	–	–	1	(N) SAMSUNG – RF4461D-13A	TOWER	–	–	–	–	–	–	–	–	–	–	–
A4	L-SUB6	(N) SAMSUNG – MT6413-77A	30°	113'-0"	1	INTEGRATED	TOWER	–	–	–	–	–	–	–	–	–	–	–
A5	–	(E) AMPHENOL – LPA-80090-4CF-EDIN	30°	113'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B1	–	(E) AMPHENOL – LPA-80090-4CF-EDIN	150°	113'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B2	700 850 1900 AWD	(N) JMA – MX06FRO660-03	150°	113'-0"	1	(N) SAMSUNG – B2/B66A RRH ORAN (RF4439D-25A)	TOWER	–	–	–	–	–	–	–	–	–	–	–
		(N) JMA – MX06FRO660-03	150°	113'-0"														
B3	–	–	–	–	1	(N) SAMSUNG – RF4461D-13A	TOWER	–	–	–	–	–	–	–	–	–	–	–
B4	L-SUB6	(N) SAMSUNG – MT6413-77A	150°	113'-0"	1	INTEGRATED	TOWER	–	–	–	–	–	–	–	–	–	–	–
B5	–	(E) AMPHENOL – LPA-80090-4CF-EDIN	150°	113'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–
G1	–	(E) AMPHENOL – LPA-80090-4CF-EDIN	290°	113'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–
G2	700 850 1900 AWD	(N) JMA – MX06FRO660-03	290°	113'-0"	1	(N) SAMSUNG – B2/B66A RRH ORAN (RF4439D-25A)	TOWER	–	–	–	–	–	–	–	–	–	–	–
		(N) JMA – MX06FRO660-03	290°	113'-0"														
G3	–	–	–	–	1	(N) SAMSUNG – RF4461D-13A	TOWER	–	–	–	–	–	–	–	–	–	–	–
G4	L-SUB6	(N) SAMSUNG – MT6413-77A	290°	113'-0"	1	INTEGRATED	TOWER	–	–	–	–	–	–	–	–	–	–	–
G5	–	(E) AMPHENOL – LPA-80090-4CF-EDIN	290°	113'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–

UNUSED FEEDLINES

11	(E) COAX CABLE	1-5/8"	–
–	–	–	–

1 FINAL EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

TEMPLATENAME_DATEOFGENERATION

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/27/24	BCV	CONSTRUCTION	EVI
1	5/17/24	BCV	REVISION	EVI

DocuSigned by:

No. 30515

5/23/2024 | 8:23:57 AM CDT

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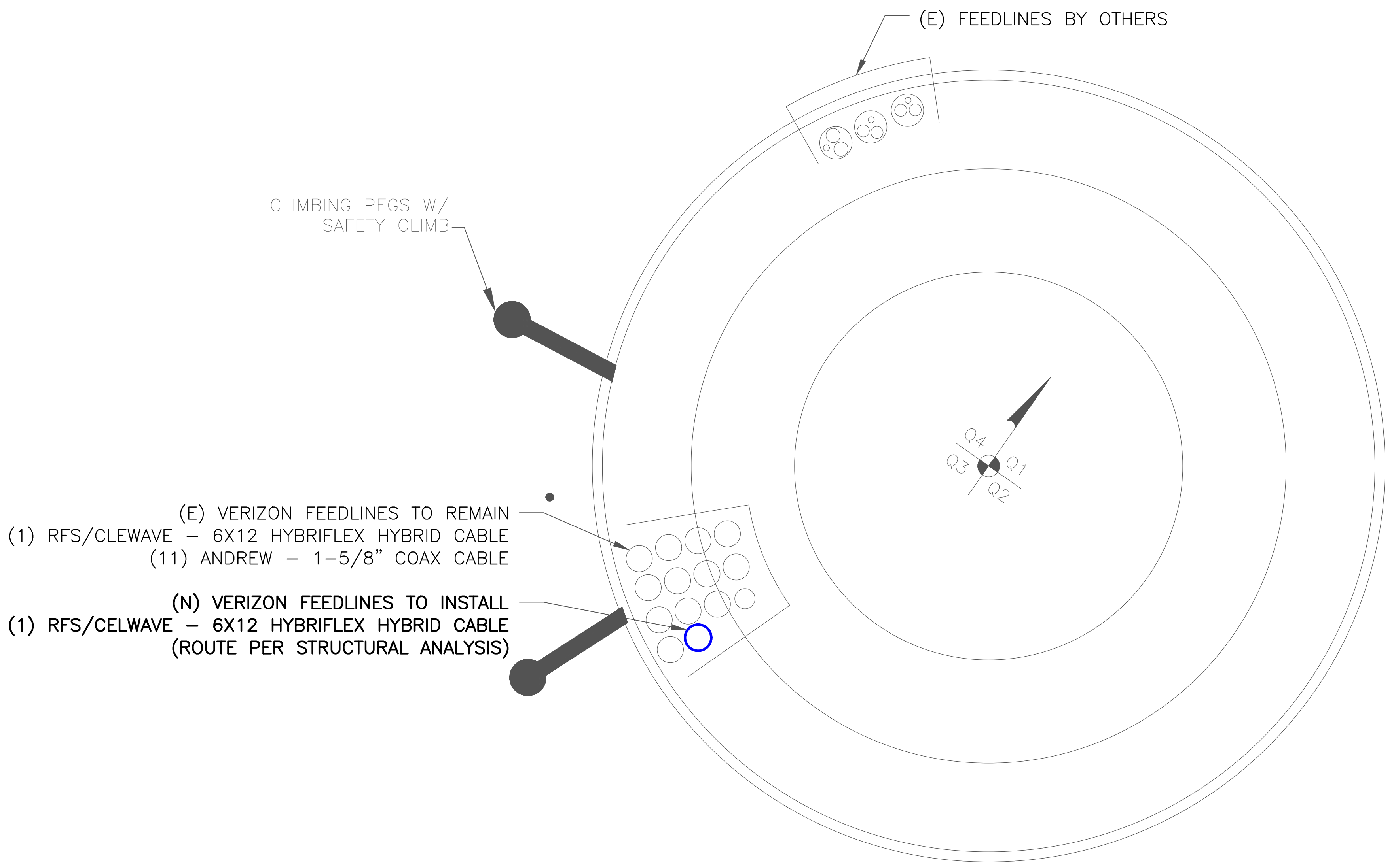
SHEET NUMBER: C-4

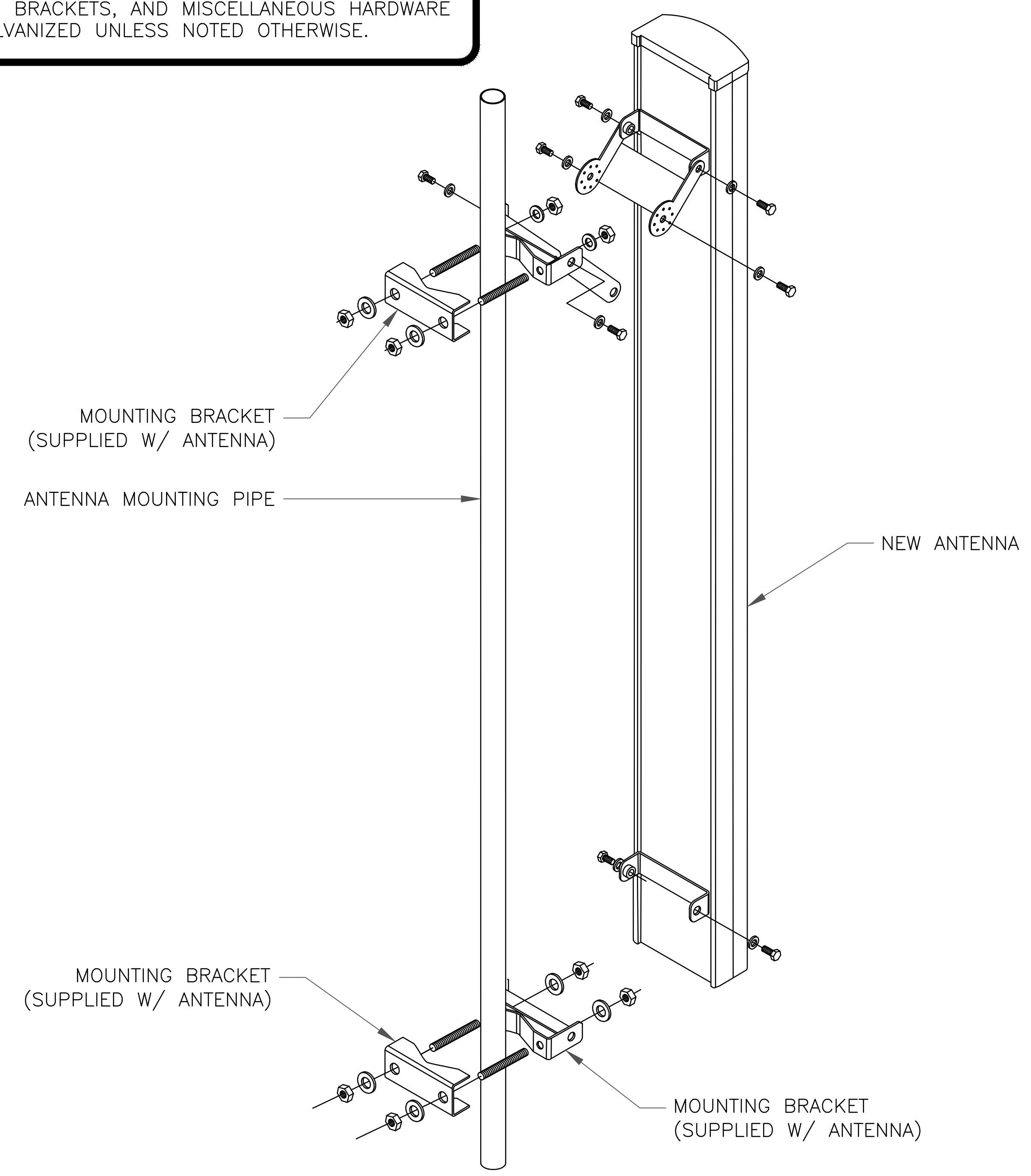
REVISION: 1



1 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

INSTALLER NOTE:

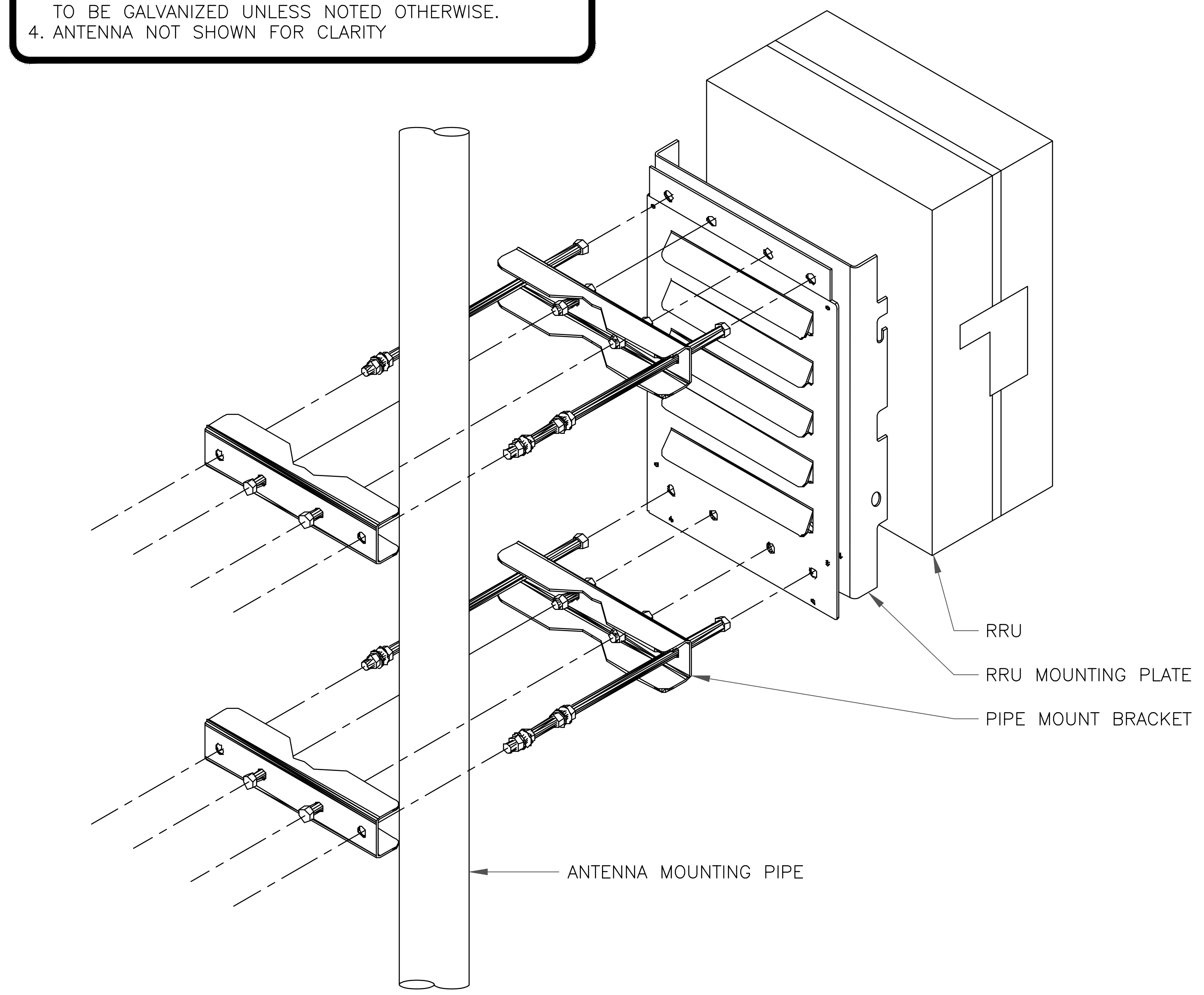
1. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



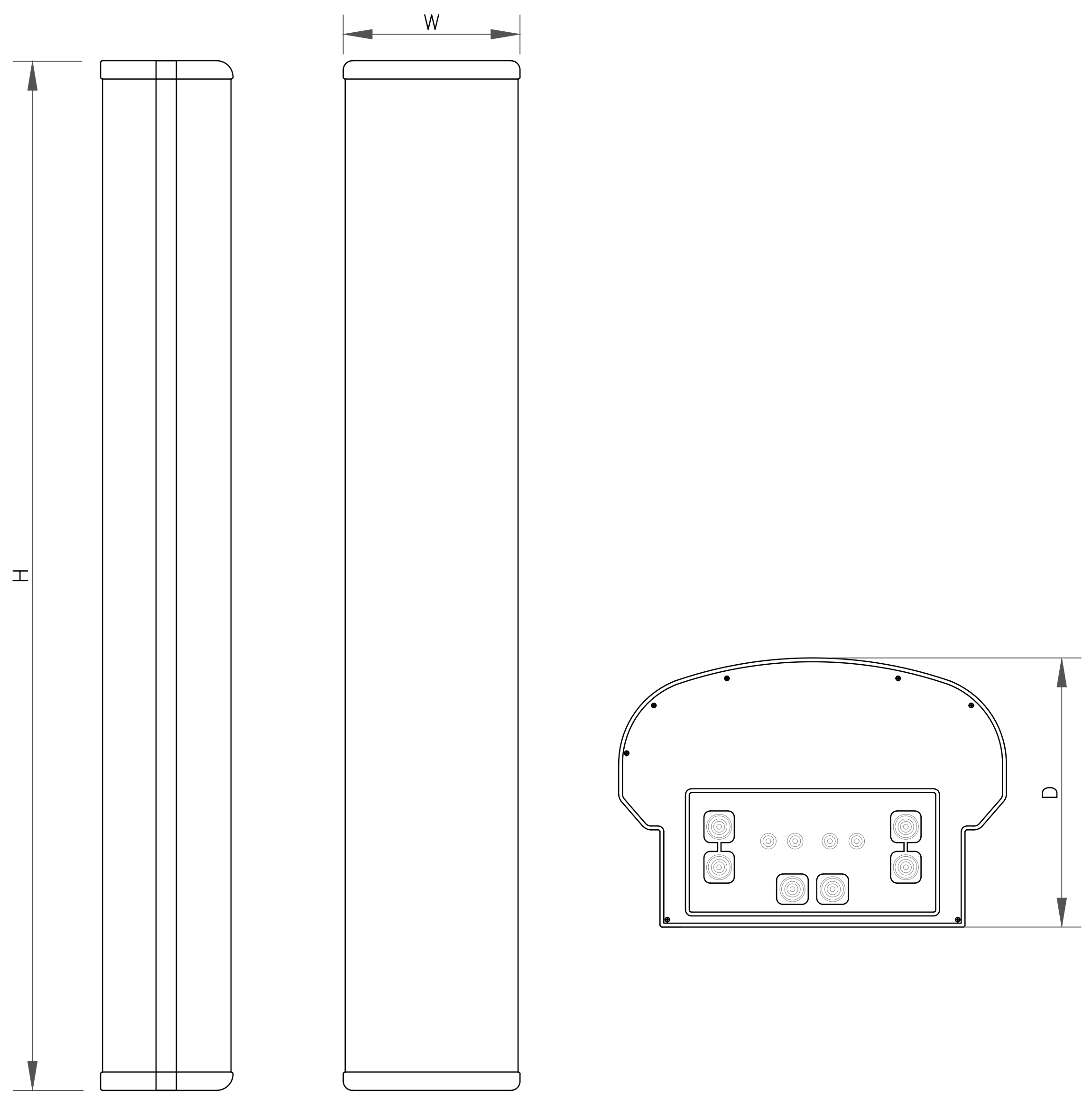
2 ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRUs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRU PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.
4. ANTENNA NOT SHOWN FOR CLARITY



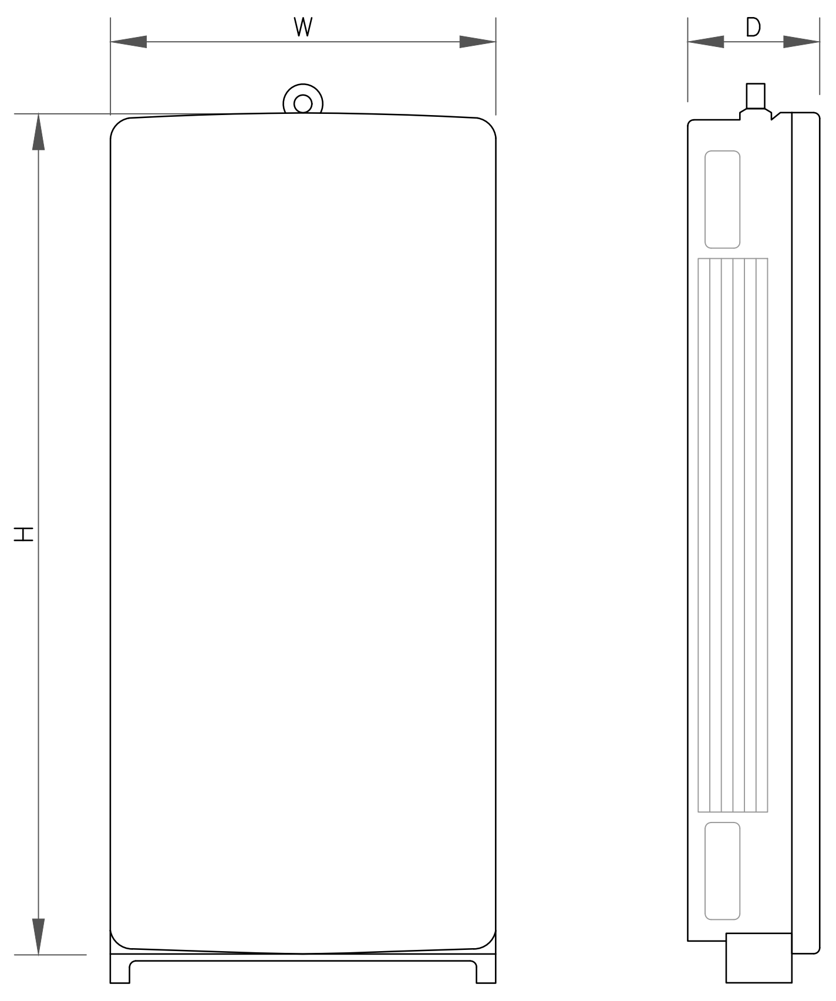
3 RRU MOUNTING DETAIL
SCALE: NOT TO SCALE



ANTENNA SPECS

MANUFACTURER	JMA WIRELESS
MODEL #	MX06FRO660-03
HxWxD	71.30" x 15.40" x 10.70"
WEIGHT	78.0 LBS

4 JMA WIRELESS – MX06FRO660-03
SCALE: NOT TO SCALE



ANTENNA SPECS

MANUFACTURER	SAMSUNG
MODEL #	MT6413-77A
HxWxD	28.90" x 15.75" x 5.51"
WEIGHT	57.3 LBS
INTEGRATED RADIO	YES

5 SAMSUNG – MT6413-77A
SCALE: NOT TO SCALE

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CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

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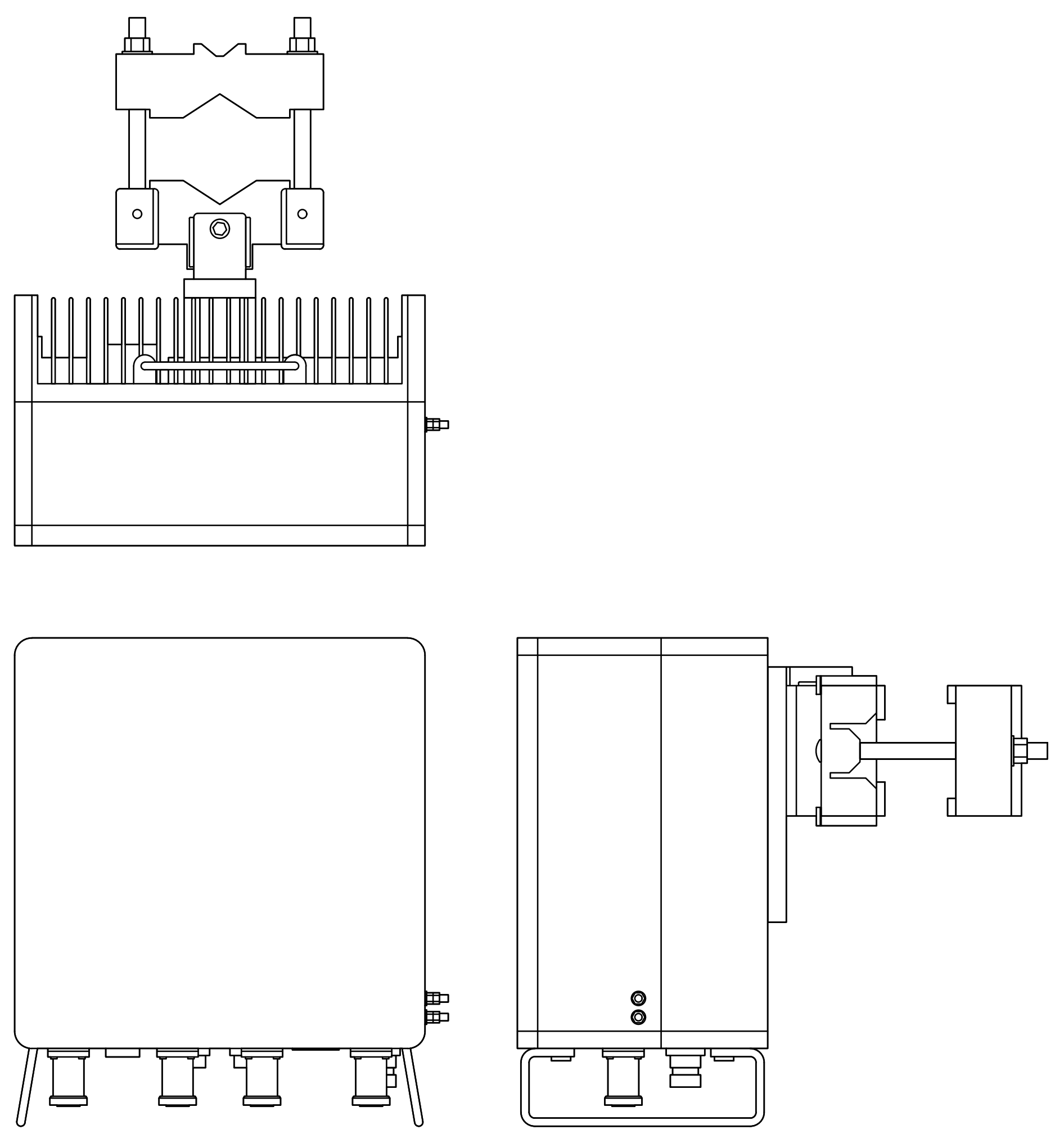
SHEET NUMBER: C-5.1

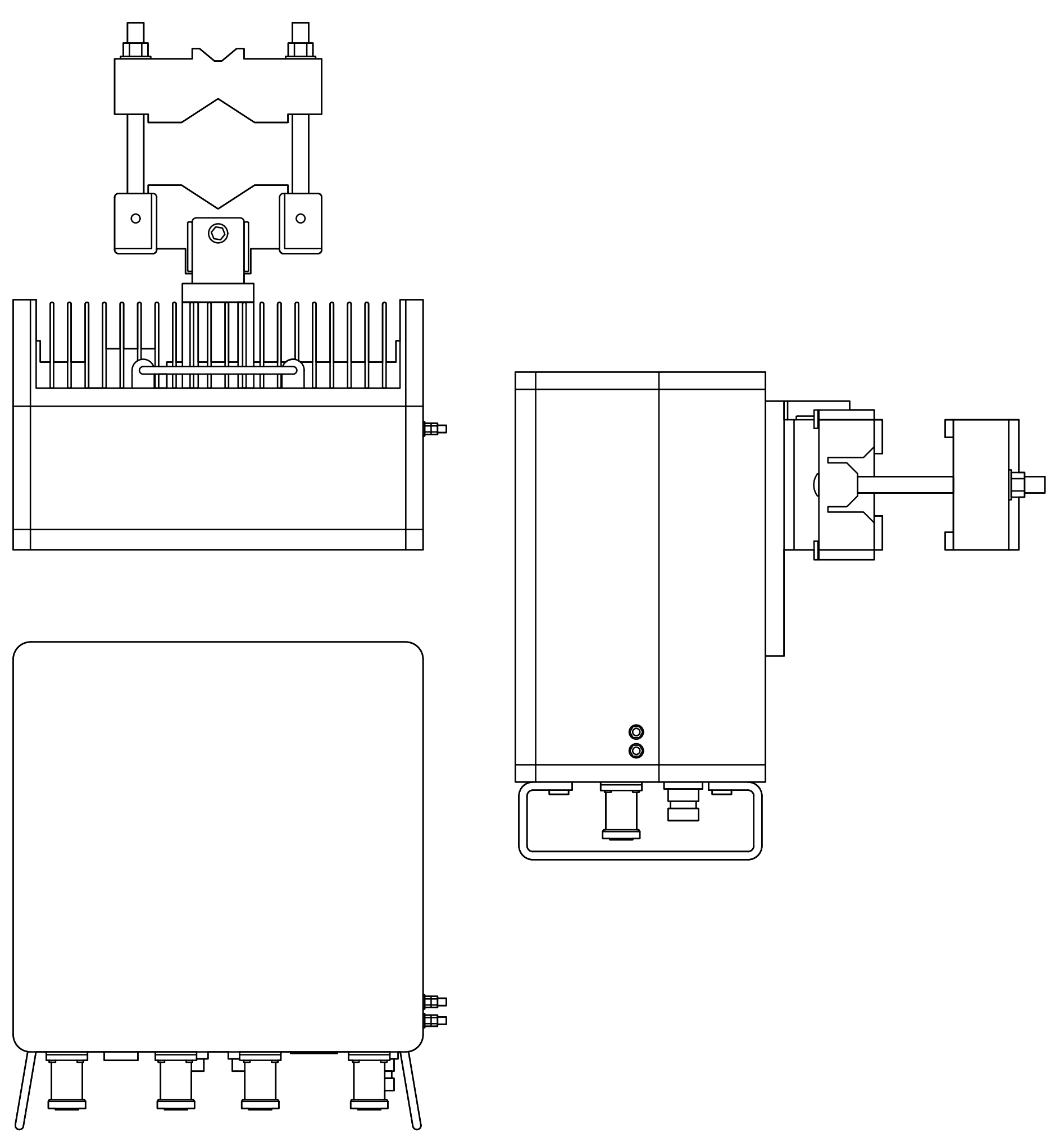
REVISION: 1



RADIO SPECS

MANUFACTURER	SAMSUNG
MODEL #	RF4439D-25A
HxWxD	14.96" x 14.96" x 10.04"
WEIGHT	74.7 LBS

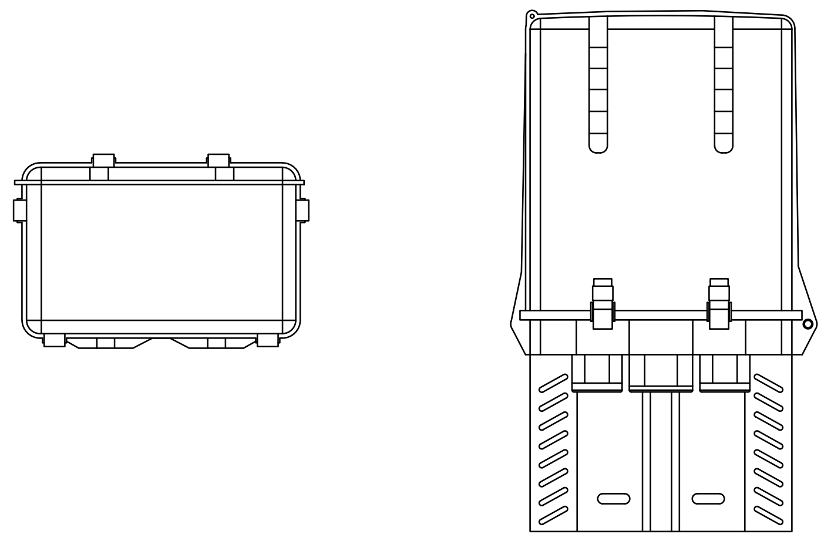
6 SAMSUNG – RF4439D-25A
SCALE: NOT TO SCALE



RADIO SPECS

MANUFACTURER	SAMSUNG
MODEL #	RF4461D-13A
HxWxD	14.96" x 14.96" x 10.23"
WEIGHT	79.1 LBS

7 SAMSUNG – RF4461D-13A
SCALE: NOT TO SCALE



OVP SPECS

MANUFACTURER	RAYCAP
MODEL #	RVZDC-6627-PF-48
HxWxD	29.5" x 16.5" x 12.6"
WEIGHT	32.0 LBS

8 RAYCAP – RVZDC-6627-PF-48
SCALE: NOT TO SCALE

8 NOT USED
SCALE: NOT TO SCALE

9 NOT USED
SCALE: NOT TO SCALE

10 NOT USED
SCALE: NOT TO SCALE

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CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

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MILFORD

10 BONA ST
MILFORD, CT 06461

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SHEET NUMBER:
C-5.2

REVISION:
1

Azimuth (1) Alpha					
Cell (850 CDMA)	Red				
PCS2 (1900 LTE)	Pink	Red	Pink		
700 LTE	Lt. Green	Red	Lt. Green		
850 LTE	Purple	Red	Purple		
2100 LTE	Orange	Red	Orange		
High Band Dual Band (Shared Lines)	Orange	Pink	Red	Pink	Orange
Low Band Dual Band (Shared Lines)	Purple	Lt. Green	Red	Lt. Green	Purple
5G 28GHz	Brown	Red	Brown		
5G 39GHz	Blue	Red	Blue		
LAA	Gray	Red	Gray		
CBRS	White	Red	White		
L-Sub6 (C-Band)	Red	Red	Red		

Azimuth (2) Beta					
Cell (850 CDMA)	Blue				
PCS2 (1900 LTE)	Pink	Blue	Pink		
700 LTE	Lt. Green	Blue	Lt. Green		
850 LTE	Purple	Blue	Purple		
2100 LTE	Orange	Blue	Orange		
High Band Dual Band (Shared Lines)	Orange	Pink	Blue	Pink	Orange
Low Band Dual Band (Shared Lines)	Purple	Lt. Green	Blue	Lt. Green	Purple
5G 28GHz	Brown	Blue	Brown		
5G 39GHz	Blue	Blue	Blue		
LAA	Gray	Blue	Gray		
CBRS	White	Blue	White		
L-Sub6 (C-Band)	Red	Blue	Red		

Azimuth (3) Gamma					
Cell (850 CDMA)	Yellow				
PCS2 (1900 LTE)	Pink	Yellow	Pink		
700 LTE	Lt. Green	Yellow	Lt. Green		
850 LTE	Purple	Yellow	Purple		
2100 LTE	Orange	Yellow	Orange		
High Band Dual Band (Shared Lines)	Orange	Pink	Yellow	Pink	Orange
Low Band Dual Band (Shared Lines)	Purple	Lt. Green	Yellow	Lt. Green	Purple
5G 28GHz	Brown	Yellow	Brown		
5G 39GHz	Blue	Yellow	Blue		
LAA	Gray	Yellow	Gray		
CBRS	White	Yellow	White		
L-Sub6 (C-Band)	Red	Yellow	Red		

Azimuth (4) Delta					
Cell (850 CDMA)	Orange				
PCS2 (1900 LTE)	Pink	Orange	Pink		
700 LTE	Lt. Green	Orange	Lt. Green		
850 LTE	Purple	Orange	Purple		
2100 LTE	Orange	Orange	Orange		
High Band Dual Band (Shared Lines)	Orange	Pink	Orange	Pink	Orange
Low Band Dual Band (Shared Lines)	Purple	Lt. Green	Orange	Lt. Green	Purple
5G 28GHz	Brown	Orange	Brown		
5G 39GHz	Blue	Orange	Blue		
LAA	Gray	Orange	Gray		
CBRS	White	Orange	White		
L-Sub6 (C-Band)	Red	Orange	Red		

Azimuth (5) Epsilon					
Cell (850 CDMA)	White				
PCS2 (1900 LTE)	Pink	White	Pink		
700 LTE	Lt. Green	White	Lt. Green		
850 LTE	Purple	White	Purple		
2100 LTE	Orange	White	Orange		
High Band Dual Band (Shared Lines)	Orange	Pink	White	Pink	Orange
Low Band Dual Band (Shared Lines)	Purple	Lt. Green	White	Lt. Green	Purple
5G 28GHz	Brown	White	Brown		
5G 39GHz	Blue	White	Blue		
LAA	Gray	White	Gray		
CBRS	White	White	White		
L-Sub6 (C-Band)	Red	White	Red		

Azimuth (6) Zeta					
Cell (850 CDMA)	Gray				
PCS2 (1900 LTE)	Pink	Gray	Pink		
700 LTE	Lt. Green	Gray	Lt. Green		
850 LTE	Purple	Gray	Purple		
2100 LTE	Orange	Gray	Orange		
High Band Dual Band (Shared Lines)	Orange	Pink	Gray	Pink	Orange
Low Band Dual Band (Shared Lines)	Purple	Lt. Green	Gray	Lt. Green	Purple
5G 28GHz	Brown	Gray	Brown		
5G 39GHz	Blue	Gray	Blue		
LAA	Gray	Gray	Gray		
CBRS	White	Gray	White		
L-Sub6 (C-Band)	Red	Gray	Red		

① COLOR CODE MATRIX
SCALE: NOT TO SCALE

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CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
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DocuSigned by:
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ANDREW JOSEPH FANDOZZI III
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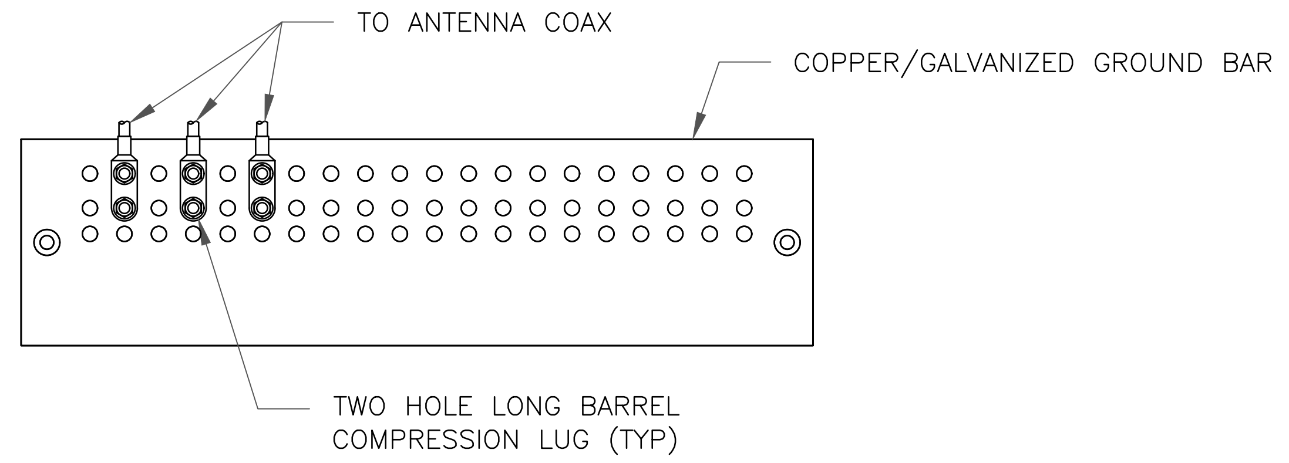
SHEET NUMBER: C-6

REVISION: 1

TEMPLATENAME_DATEOFGENERATION

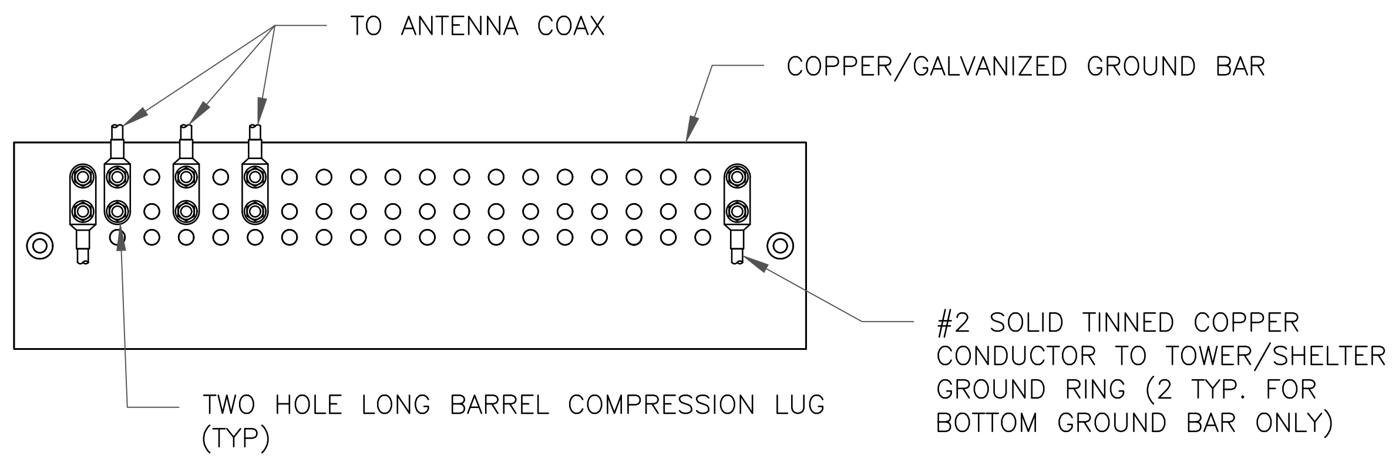


NOTES:

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



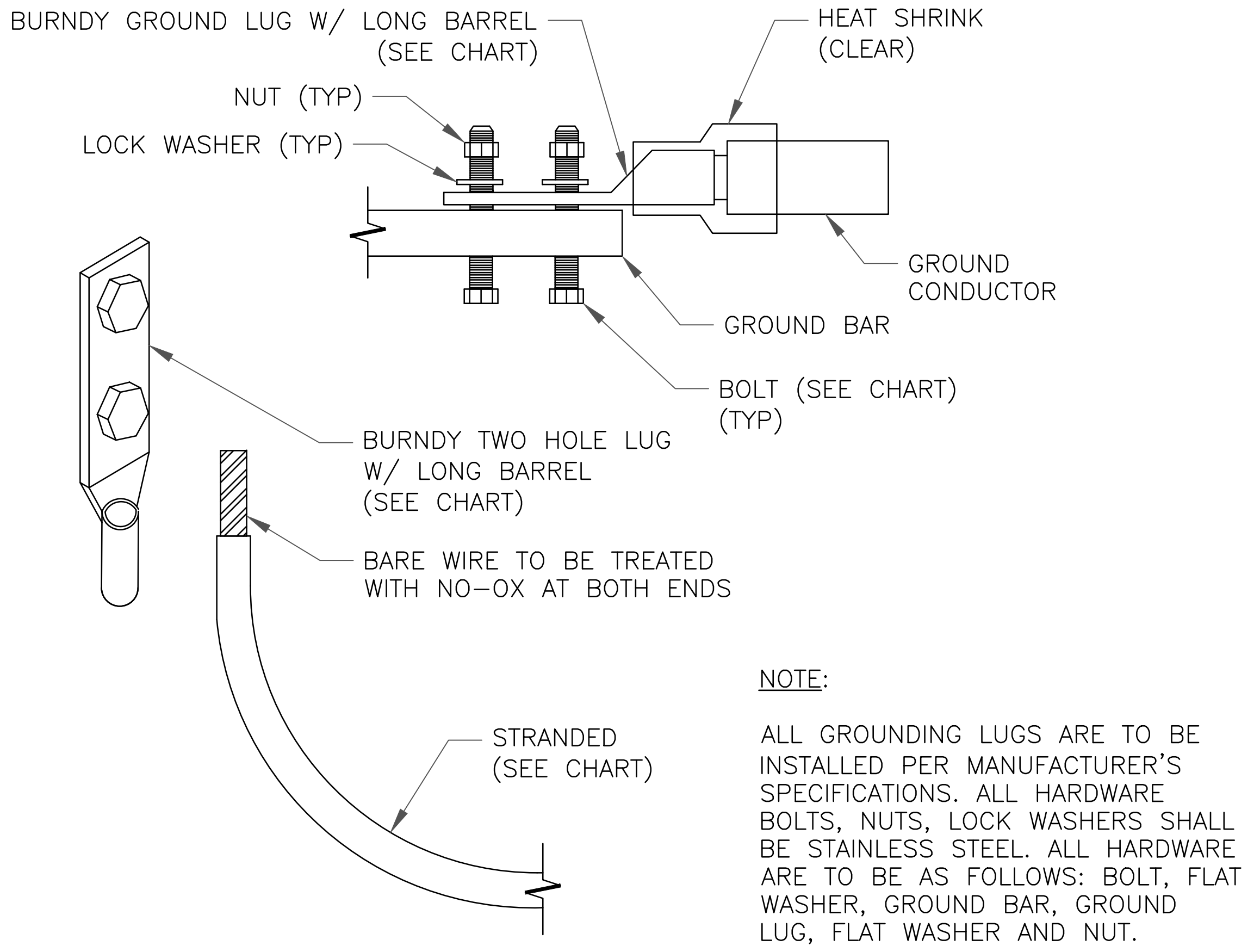
NOTES:

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

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

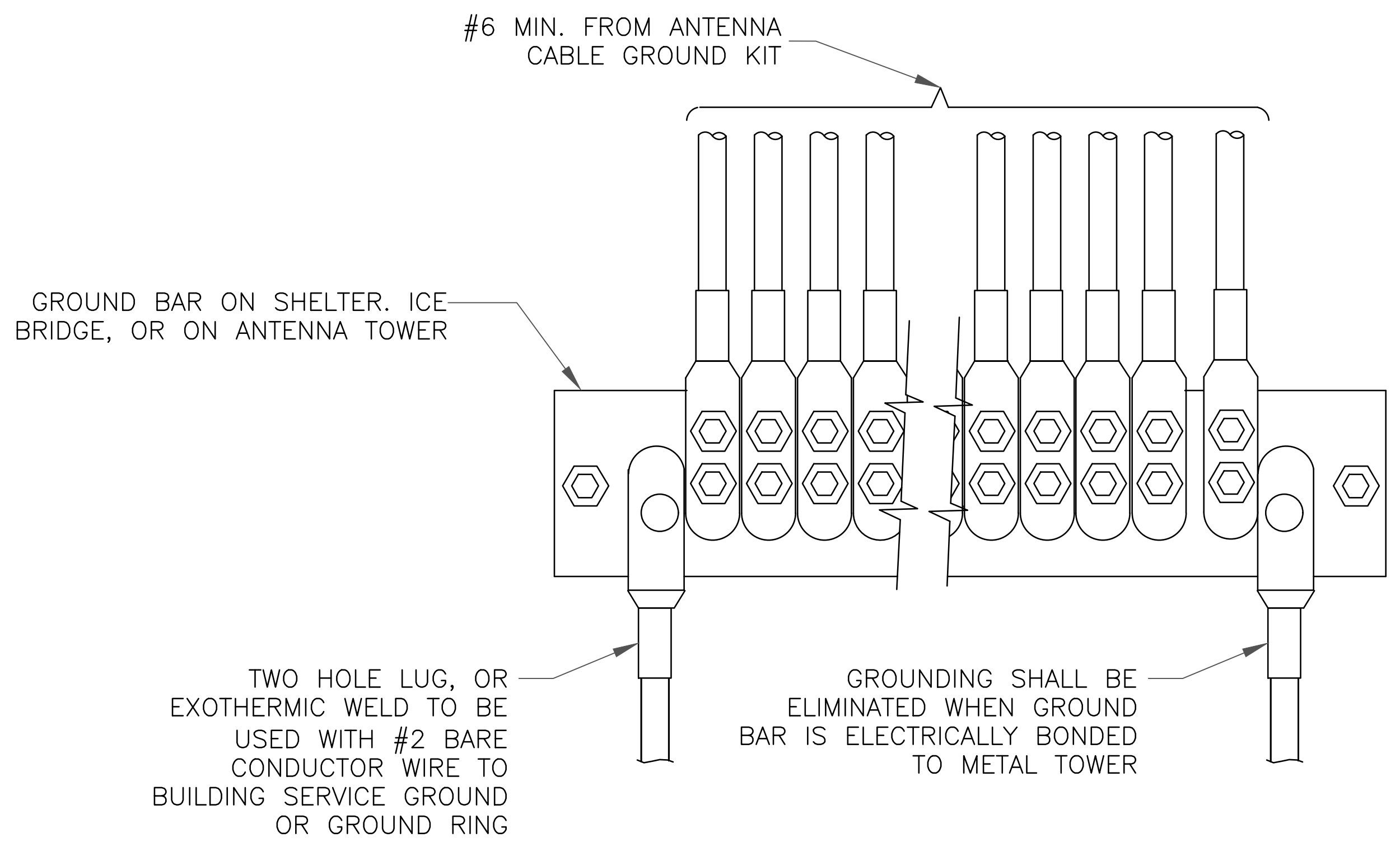


NOTE:

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.

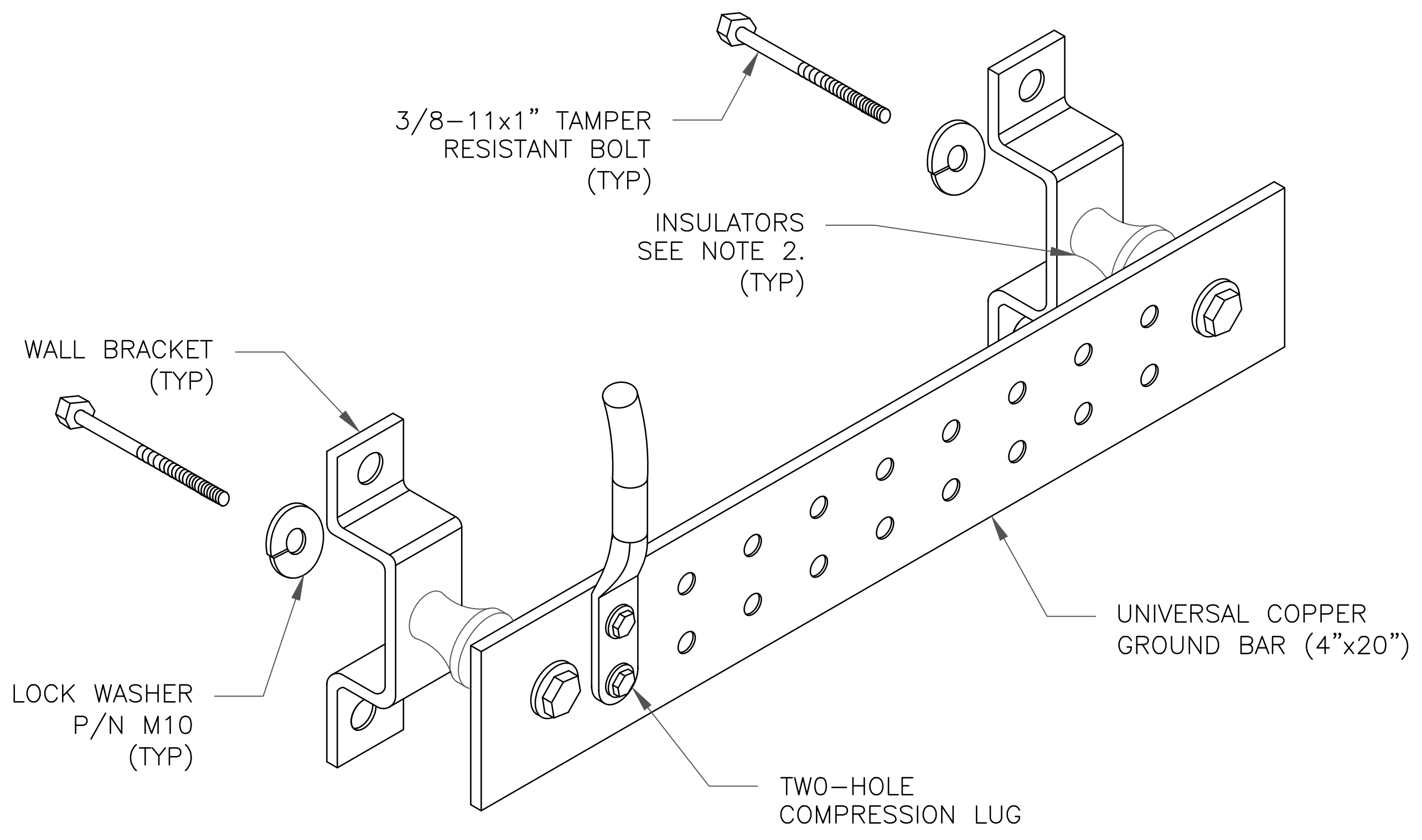
3 MECHANICAL LUG CONNECTION

SCALE: NOT TO SCALE



4 GROUNDWIRE INSTALLATION

SCALE: NOT TO SCALE



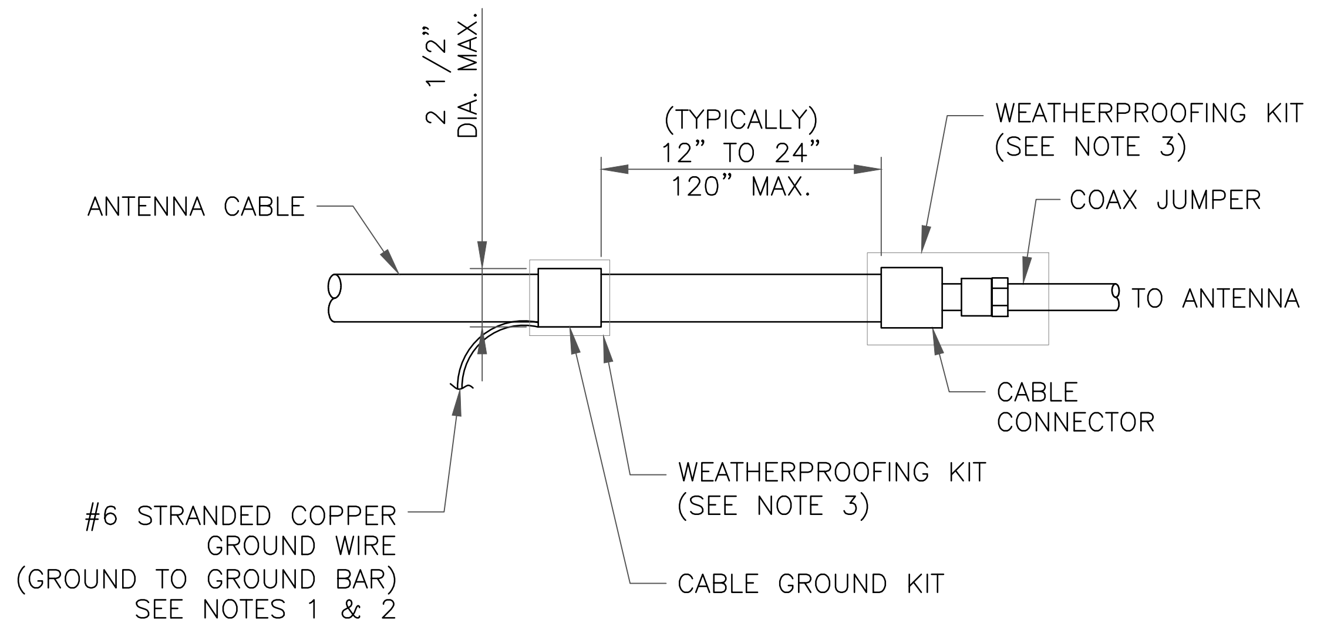
NOTES:

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

2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

5 GROUND BAR DETAIL

SCALE: NOT TO SCALE

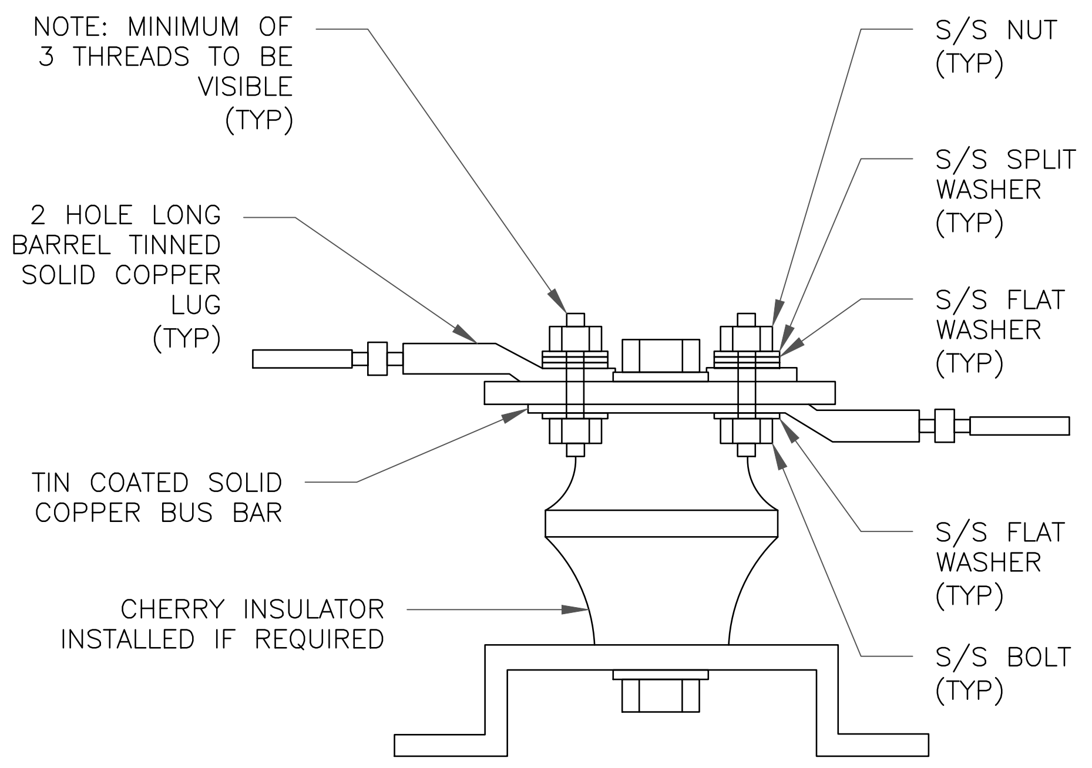


NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO 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.

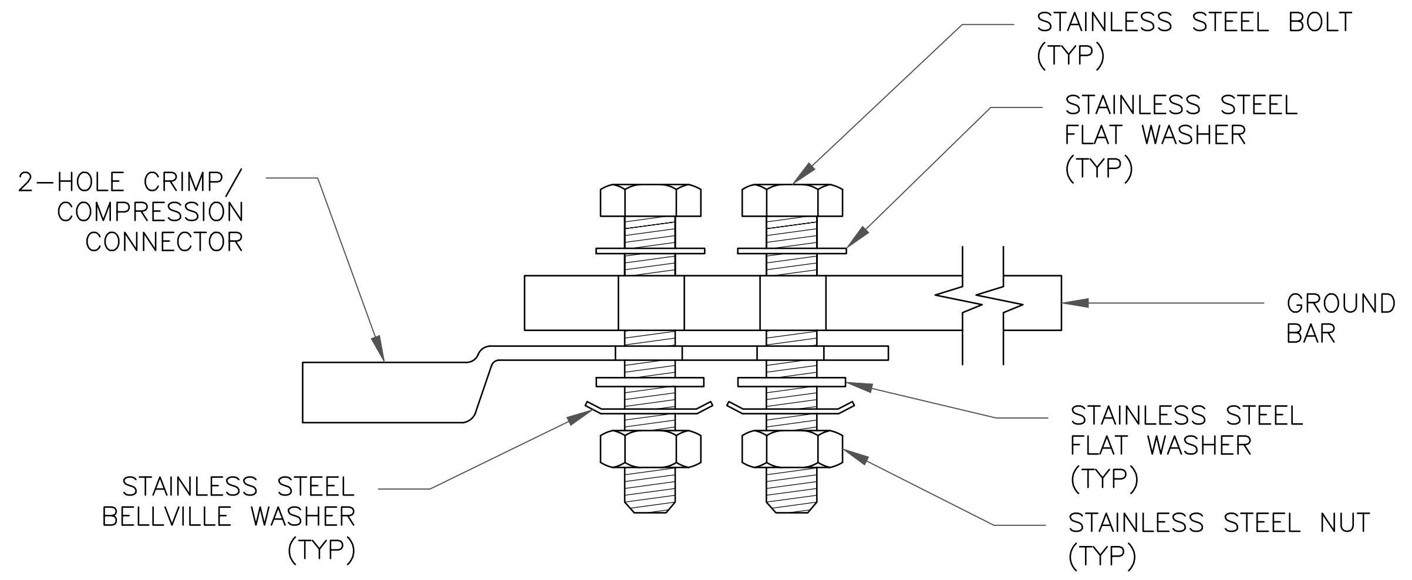
6 CABLE GROUND KIT CONNECTION

SCALE: NOT TO SCALE

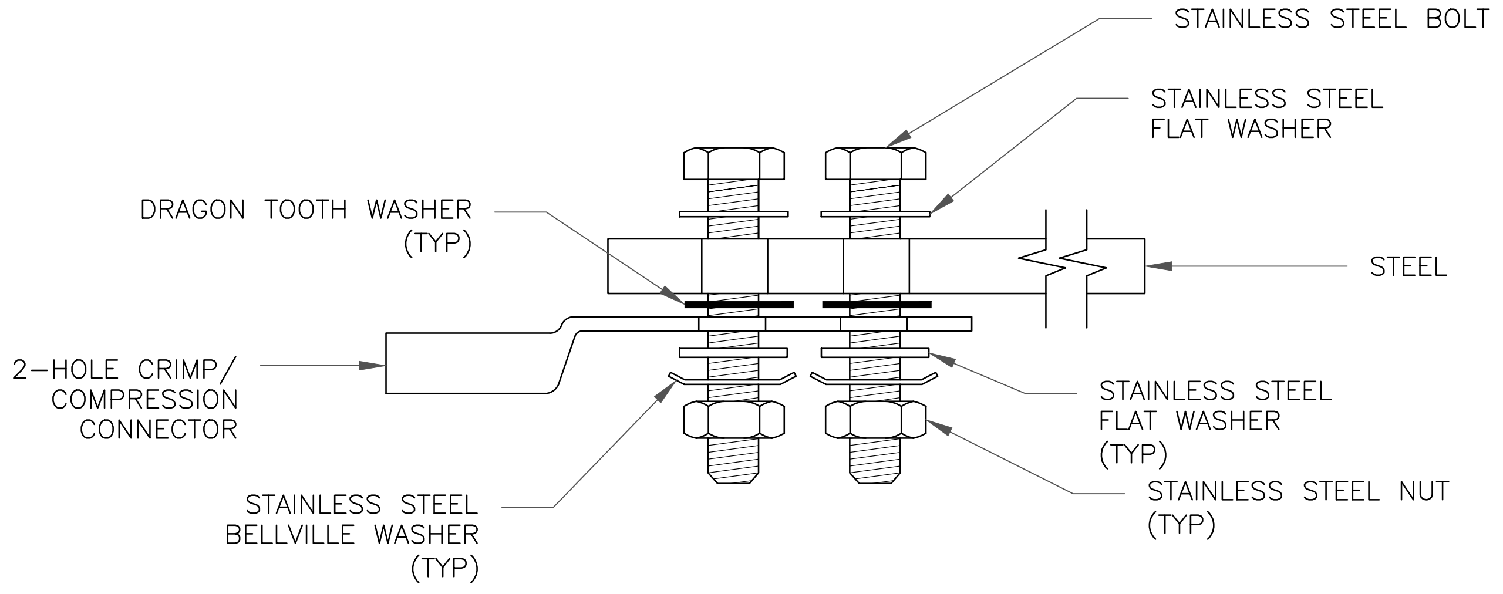


7 LUG DETAIL

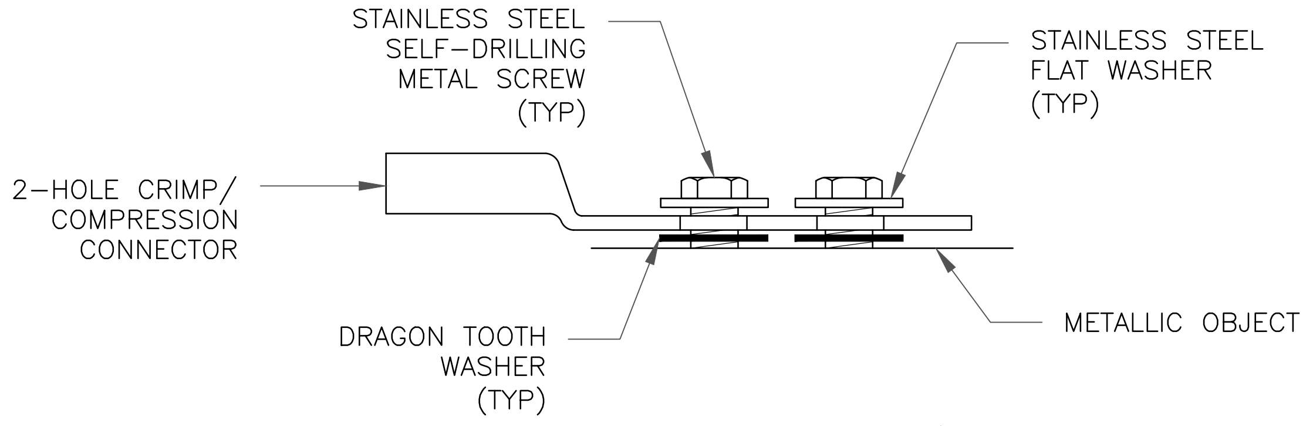
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS



SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS

SCALE: NOT TO SCALE

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CROWN CASTLE

VERIZON SITE NUMBER:
5000386209

BU #: **873633**

CROWN CASTLE SITE NAME
MILFORD

10 BONA ST
MILFORD, CT 06461

EXISTING 133'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/27/24	BCV	CONSTRUCTION	EVI
1	5/17/24	BCV	REVISION	EVI

DocuSigned by:
BAD6066DD9024F4...

ANDREW JOSEPH FANDOZZI III
No. 30515

5/23/2024 | 8:23:57 AM CDT

CROWN CASTLE USA INC.
CERTIFICATE OF REGISTRATION #PEC.0001101

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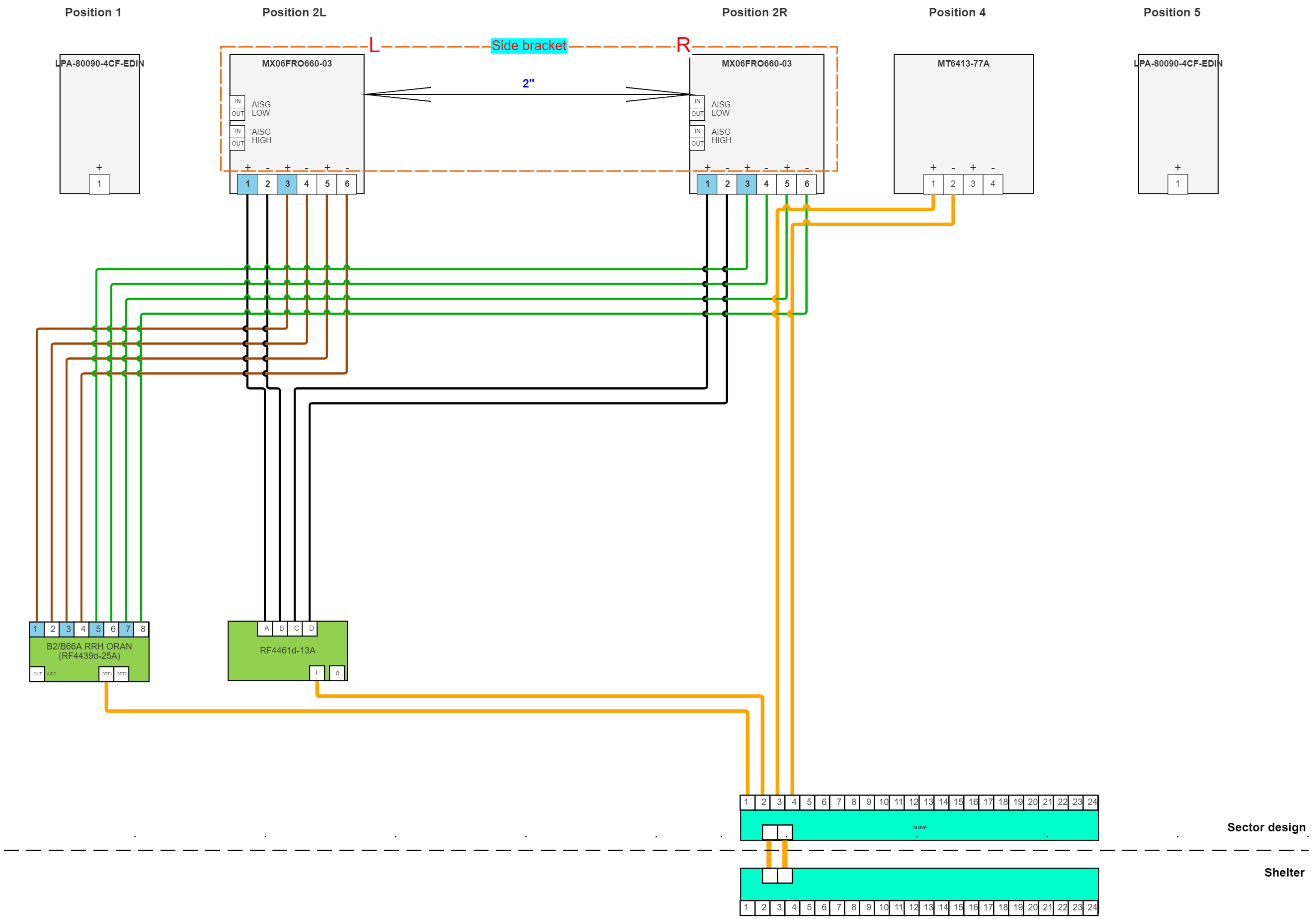
TO ALTER THIS DOCUMENT.

SHEET NUMBER: G-1

REVISION: 1

Alpha

(Proposed)



Legends

🟩 RET dc signal capable port

- 700/850(LB)
- 700(LT)
- 850(CB)
- AWS(AW)
- PCS(PC)
- AWS/PCS(HB)
- 28GHz(U28)
- 39GHz(U39)
- L-Sub6(S6)
- CBRS(RS)
- LAA(LA)
- Fiber
- AISG
- DC

| Coax

| Coax Jumper

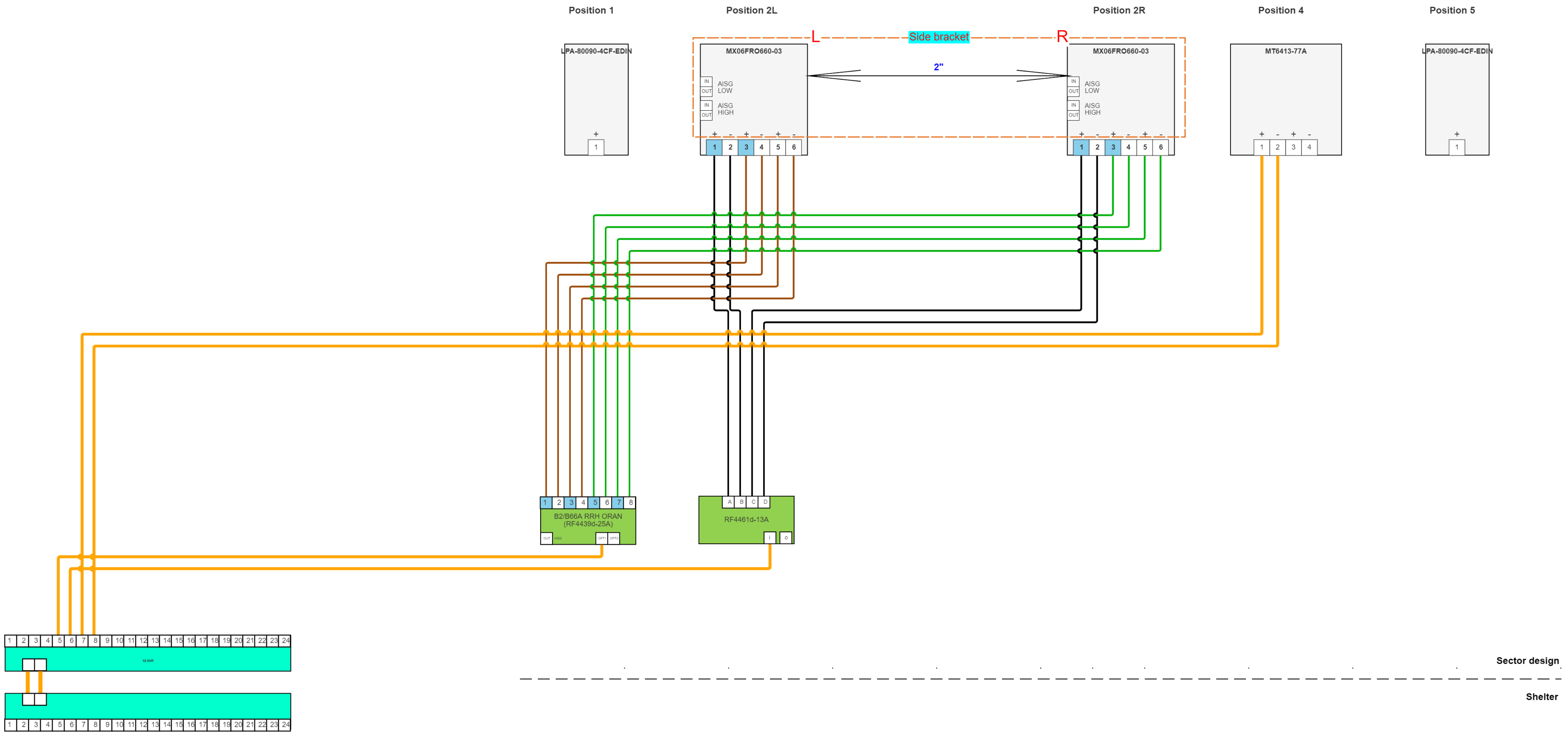
🟩 Sectors Shared Equipments

Notes:

-Antenna view is from the back of the antennas
-Colors of connections are just for clarification
-Size of objects in drawing doesn't reflect equipment true dimensions

Beta

(Proposed)



Legends

🟩 RET dc signal capable port

- 700/850(LB)
- 700(LT)
- 850(CB)
- AWS(AW)
- PCS(PC)
- AWS/PCS(HB)
- 28GHz(U28)
- 39GHz(U39)
- L-Sub6(S6)
- CBRS(RS)
- LAA(LA)
- Fiber
- AISG
- DC

| Coax

| Coax Jumper

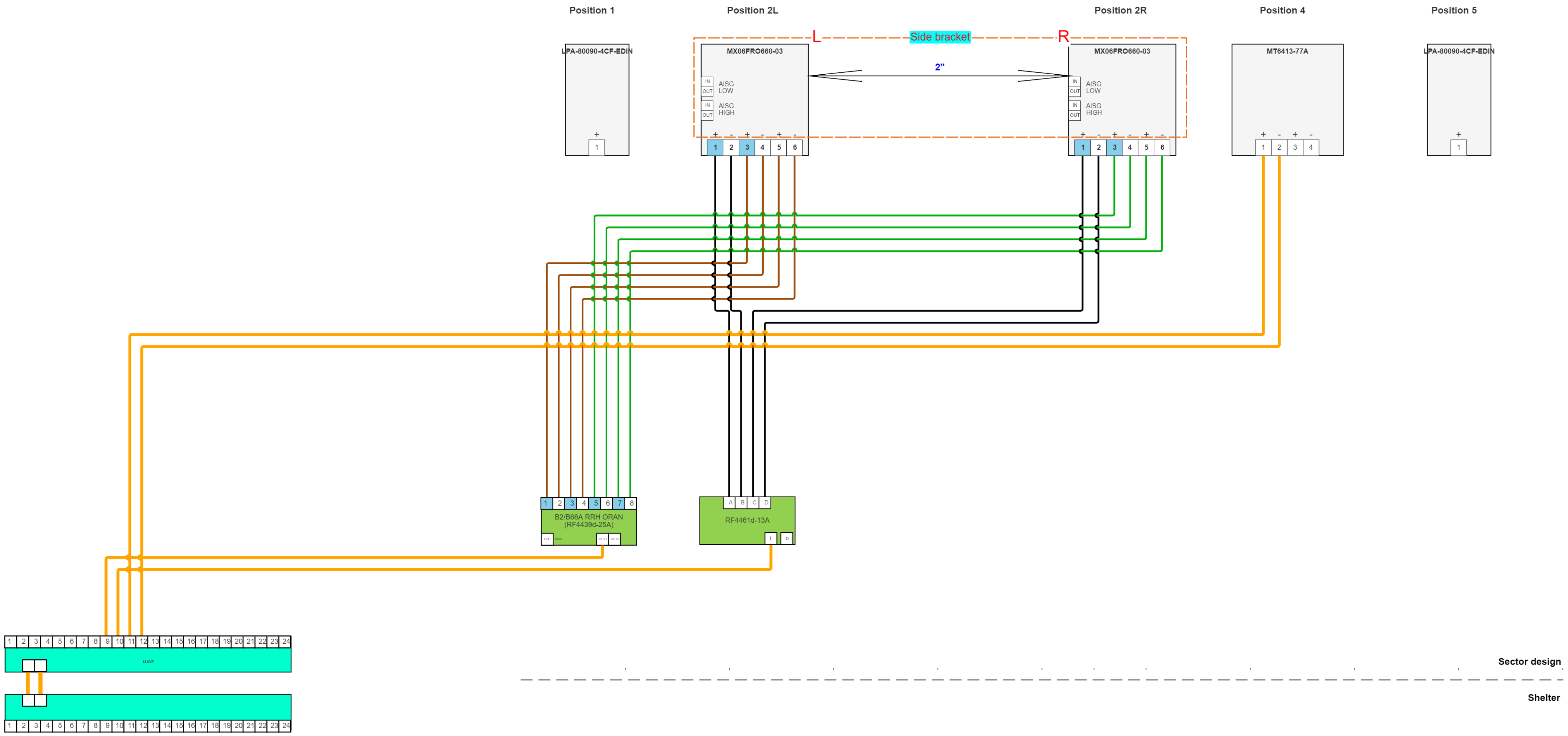
🟦 Sectors Shared Equipments

Notes:

-Antenna view is from the back of the antennas
-Colors of connections are just for clarification
-Size of objects in drawing doesn't reflect equipment true dimensions

Gamma

(Proposed)



Legends

🟩 RET dc signal capable port

700/850(LB)

700(LT)

850(CB)

AWS(AW)

PCS(PC)

AWS/PCS(HB)

28GHz(U28)

39GHz(U39)

L-Sub6(S6)

CBRS(RS)

LAA(LA)

Fiber

AISG

DC

Coax

Coax Jumper

🟦 Sectors Shared Equipments

Notes:

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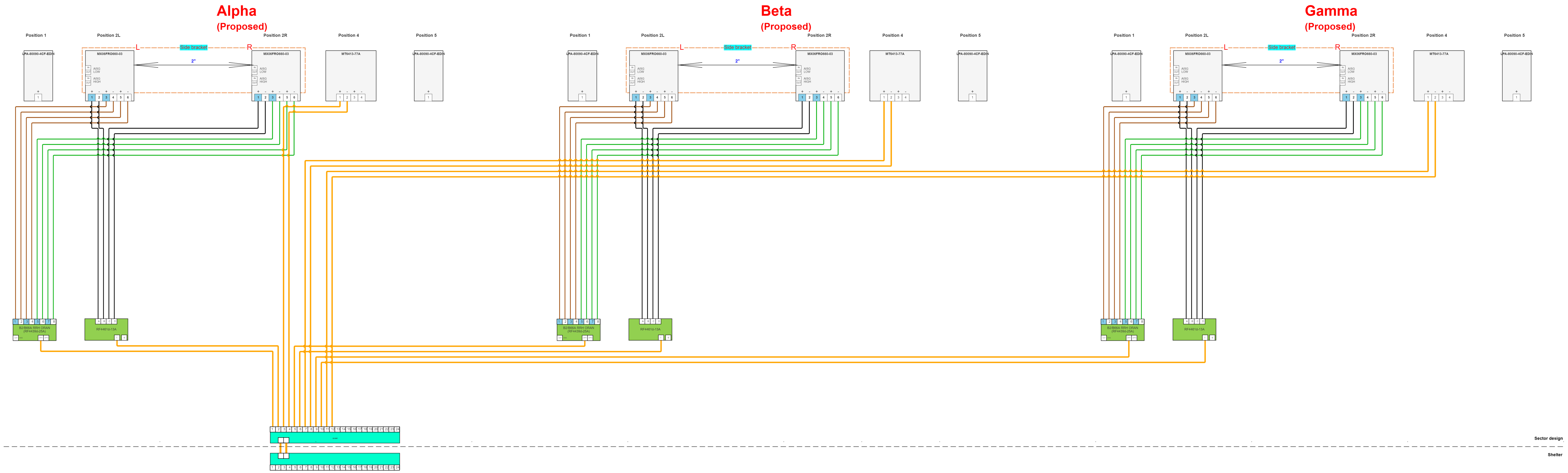
Alpha
(Proposed)
Beta
(Proposed)
Gamma
(Proposed)
Position 1
Position 2L
Position 2R
Position 4
Position 5
LPA-80090-4CF-EDIN
MX06FRO660-03
MT6413-77A
Side bracket
L
R
2"
AISG LOW
AISG HIGH
IN
OUT
B2/B66A RRH ORAN (RF4439d-25A)
RF4461d-13A
OPT1
OPT2
A
B
C
D
12 OVP
Sector design
Shelter

PROJECT NOTES

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

\AcPublish_18620\MILFORD 3 CT.Mount MOD.dwg\T-1 By: FCENTONE

verizon✓

MOUNT MODIFICATION DRAWINGS
EXISTING 12.58' PLATFORM

SITE NAME: MILFORD 3 CT
SITE NUMBER: 467612

10 BONA ST
MILFORD, CT 06461
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.220083° N
LONGITUDE: 73.077389° W
JURISDICTION: NEW HAVEN COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: (856) 797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

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

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10061730
VZW LOCATION CODE (PSLC): 467612
FUZE ID: 16231891

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10037830
MASER CONSULTING CT PROJECT #: 21777052A
ANALYSIS DATE: 4/2/2021

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WWW.CALL811.COM

SCALE : AS SHOWN
JOB NUMBER : 21777052A

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0	5/4/2021	ISSUED FOR CONSTRUCTION	FAC	ASN
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32588
MASER CONSULTING
C.T. C.O.A #: JPC.0000131

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SITE NAME:

MILFORD 3 CT
467612

10 BONA ST
MILFORD, CT 06461
NEW HAVEN COUNTY

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

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : TITLE SHEET

SHEET NUMBER : T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET	
15		VZWSMART-MSK1	CROSSOVER PLATE	
3		VZWSMART-MSK2	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	156" LONG P2.5 STD PIPE	GALVANIZED
1	-	-	36" LONG P2.0 STD PIPE	GALVANIZED
3	-	-	18" LONG, L3X3X1/4 ANGLE	GALVANZIED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE WITH SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING CT FOR APPROVAL OF SUBSTITUTION
3	-	-	72" LONG, P2.5 STD PIPE	GALVANIZED

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

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

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SCALE : AS SHOWN
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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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0	5/4/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

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SITE NAME:
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467612

10 BONA ST
MILFORD, CT 06461
NEW HAVEN COUNTY

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

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : BILL OF MATERIALS

SHEET NUMBER : S-1

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

   a. BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH
   b. EXPOSURE CATEGORY C
   c. TOPOGRAPHIC CATEGORY 1
   d. MEAN BASE ELEVATION (AMSL) = 69.27'

ICE LOADS

   a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
   b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

   a. SEISMIC DESIGN CATEGORY B
   b. SHORT TERM MCER GROUND MOTION, S_S = .203
   c. LONG TERM MCER GROUND MOTION, S_1 = .053

STRUCTURAL STEEL

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

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

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING CT PROJECT # AND MASER CONSULTING CT PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

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SHEET TITLE : MODIFICATION NOTES

SHEET NUMBER : S-2

MODIFICATION INSPECTION NOTES

MI CHECKLIST

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

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

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

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

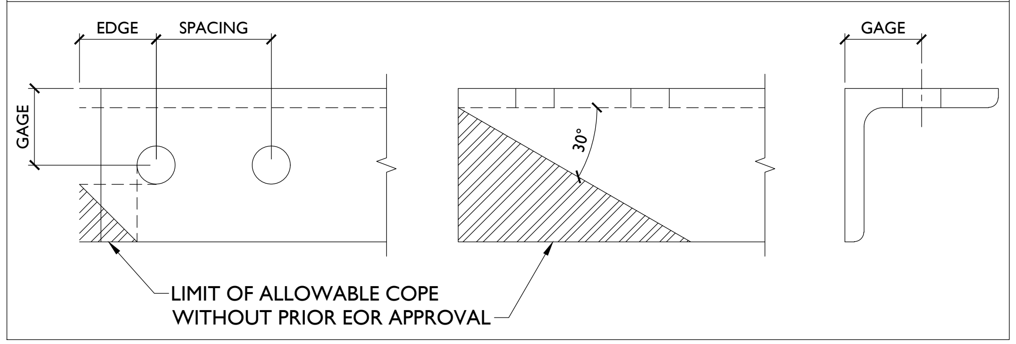
REQUIRED PHOTOS

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

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

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

ALLOWABLE COPING

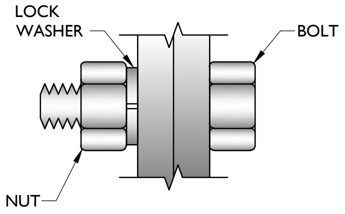


BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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



TYP. BOLT ASSEMBLY

NOTES:

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

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SHEET TITLE :
MODIFICATION NOTES

SHEET NUMBER :
S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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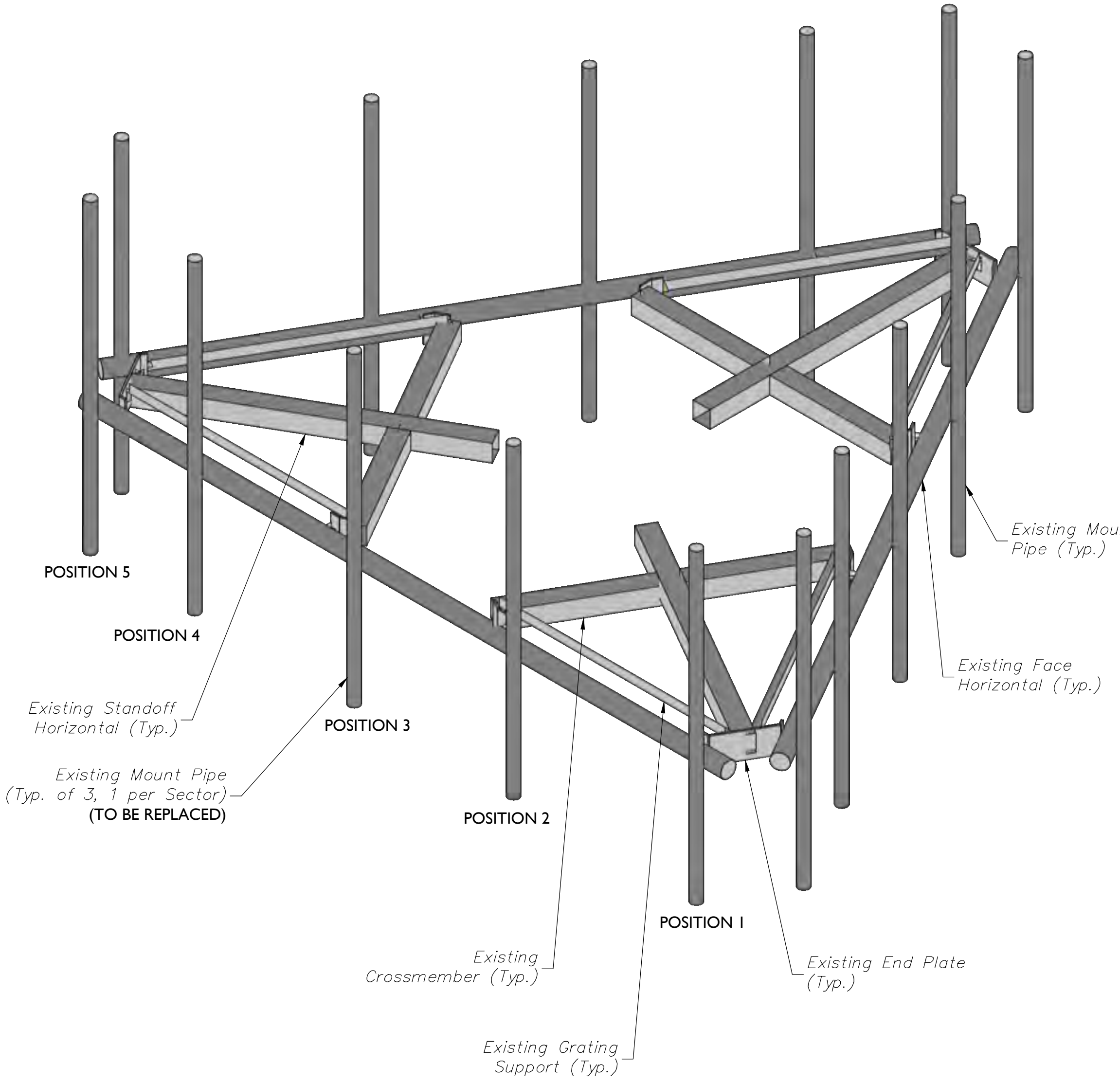
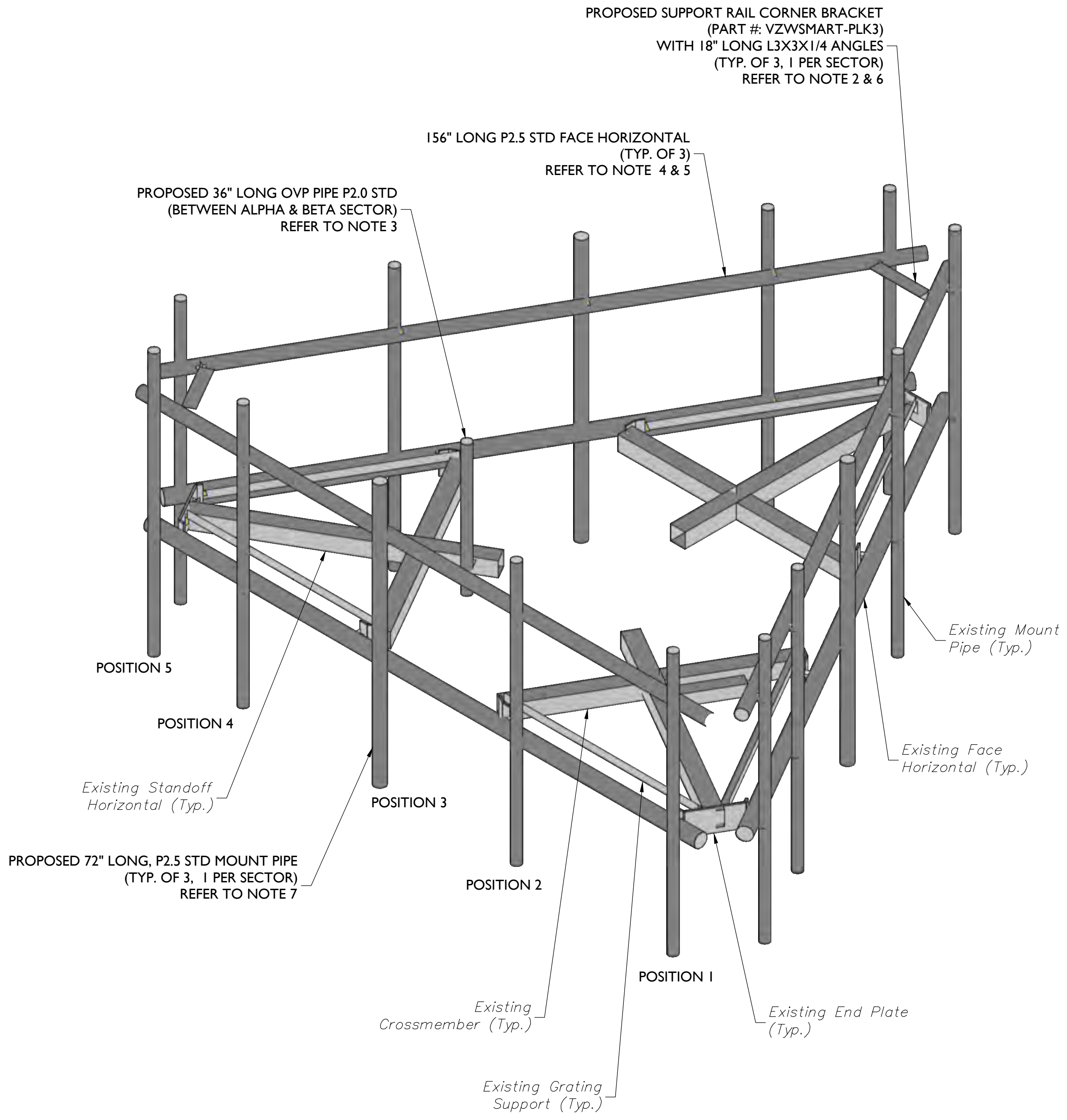


1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY LEVEL-UP TOWERS ON 2/17/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (112'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
4. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
5. CONNECT NEW HORIZONTAL TO ALL VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
6. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
7. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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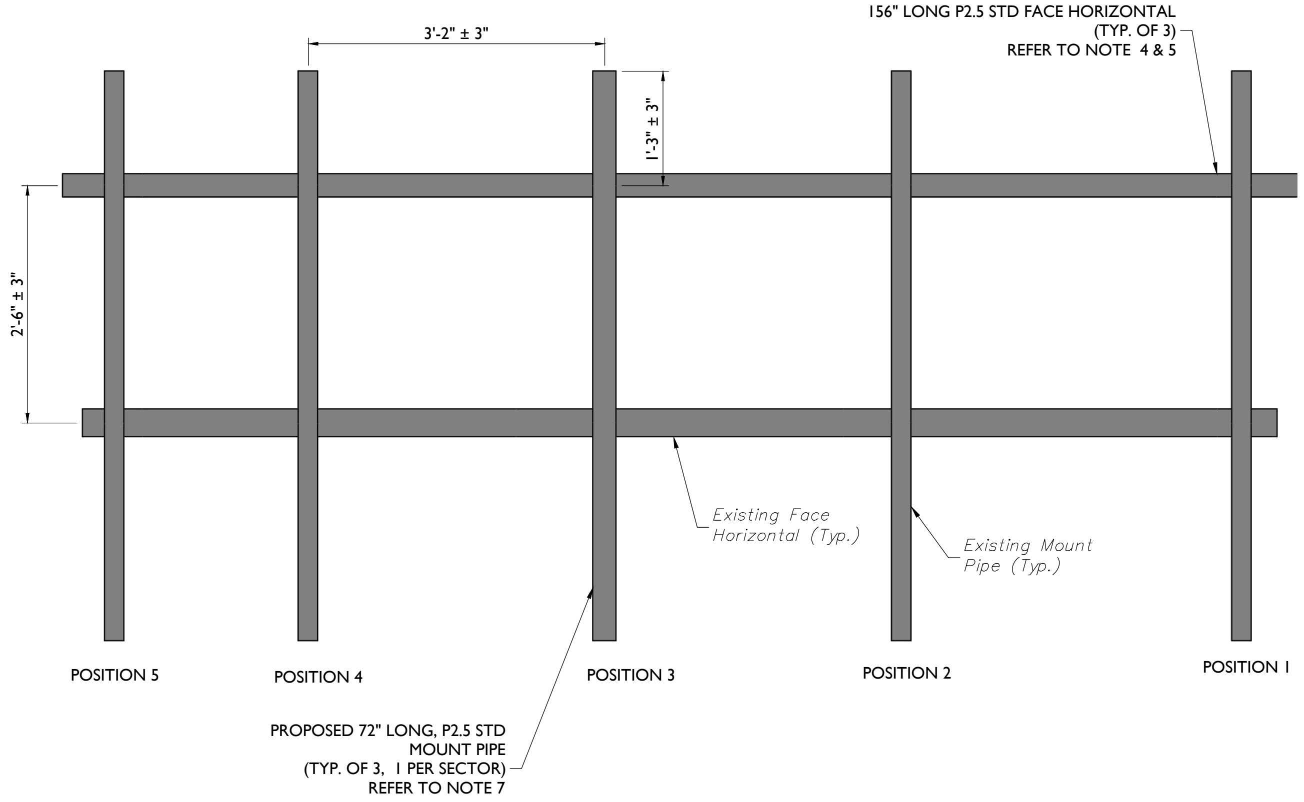
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-4



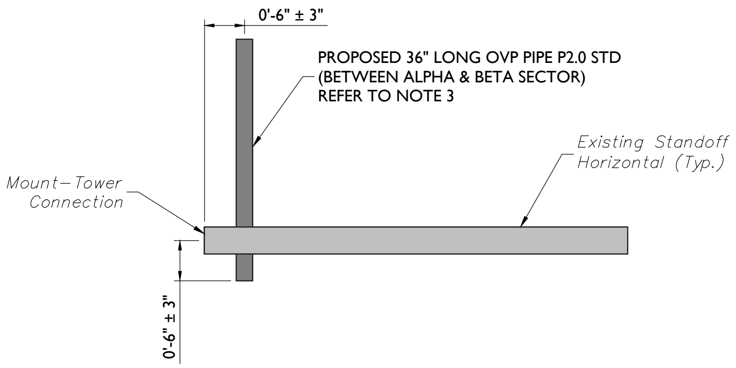
1

PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
4. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
5. CONNECT NEW HORIZONTAL TO ALL VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
6. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
7. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).



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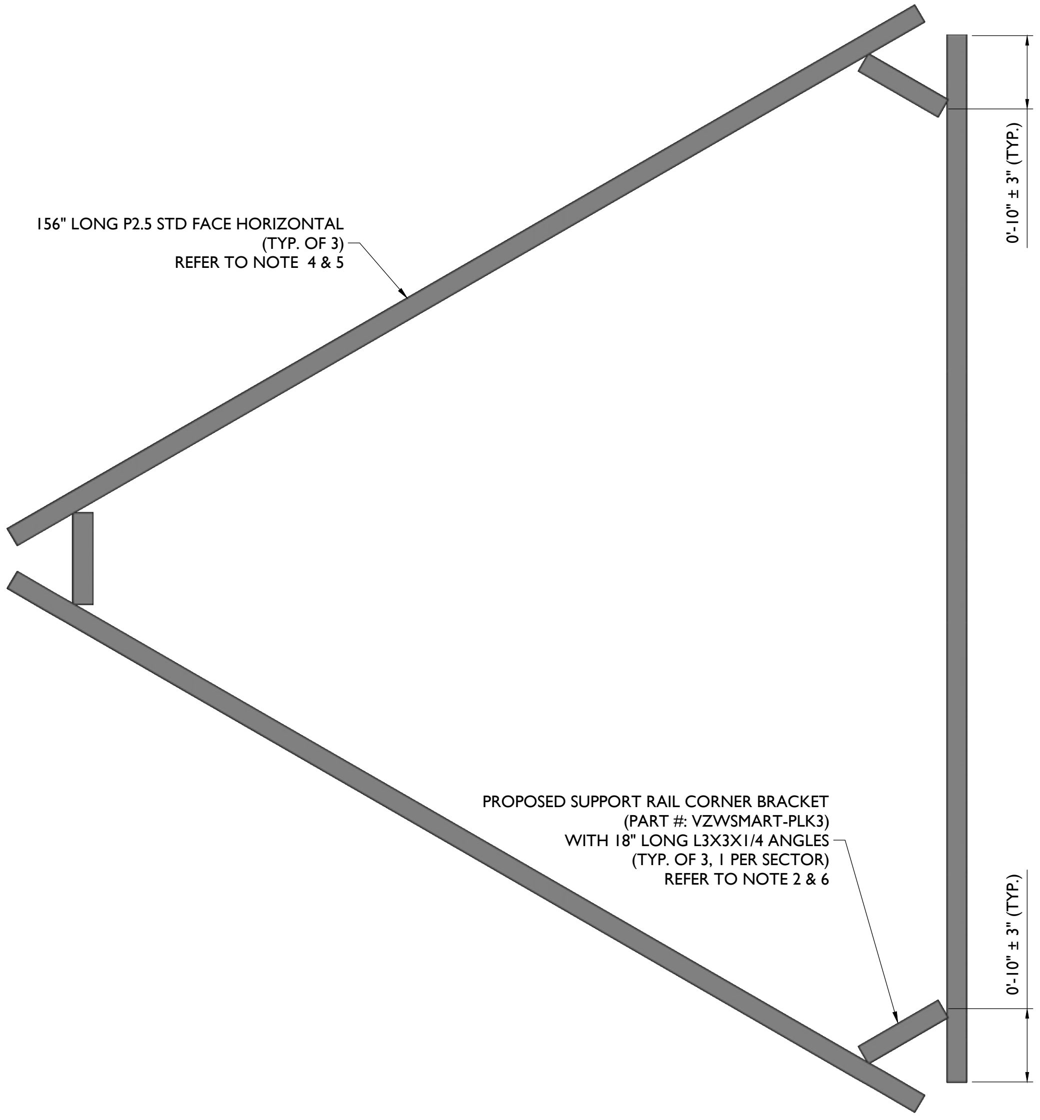
PROPOSED SIDE ELEVATION

SCALE : N.T.S.



3

PROPOSED PLAN VIEW

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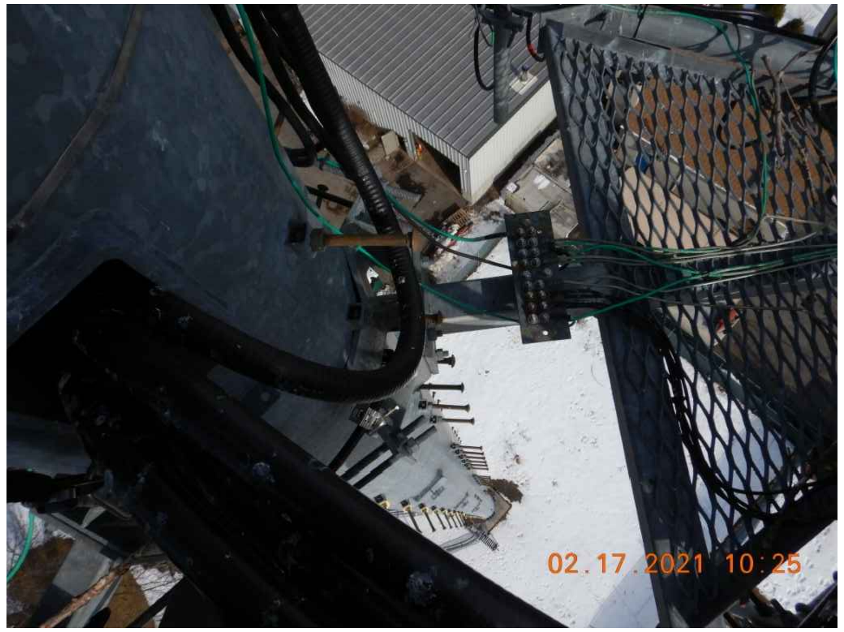
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-5

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3



MOUNT PHOTO 4

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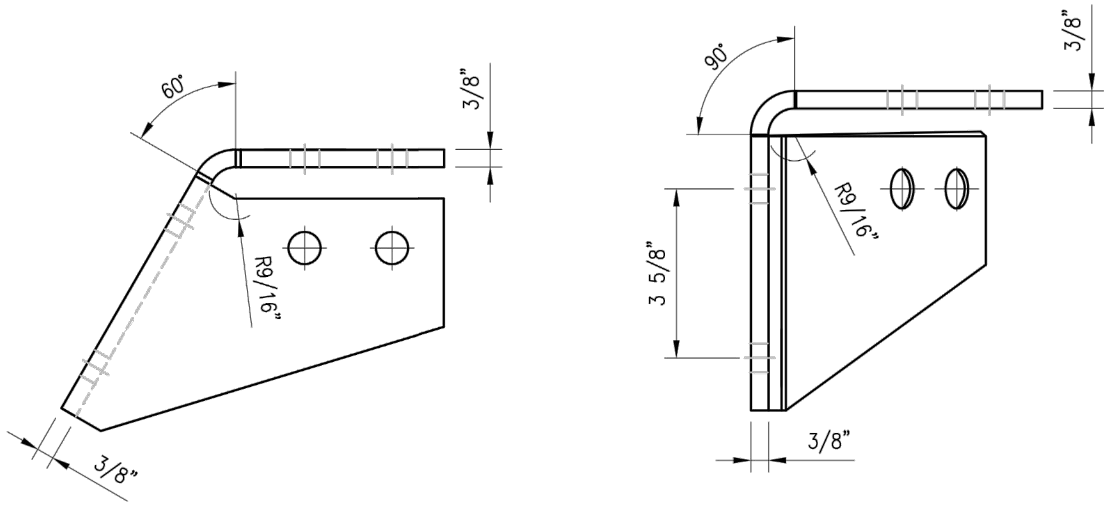
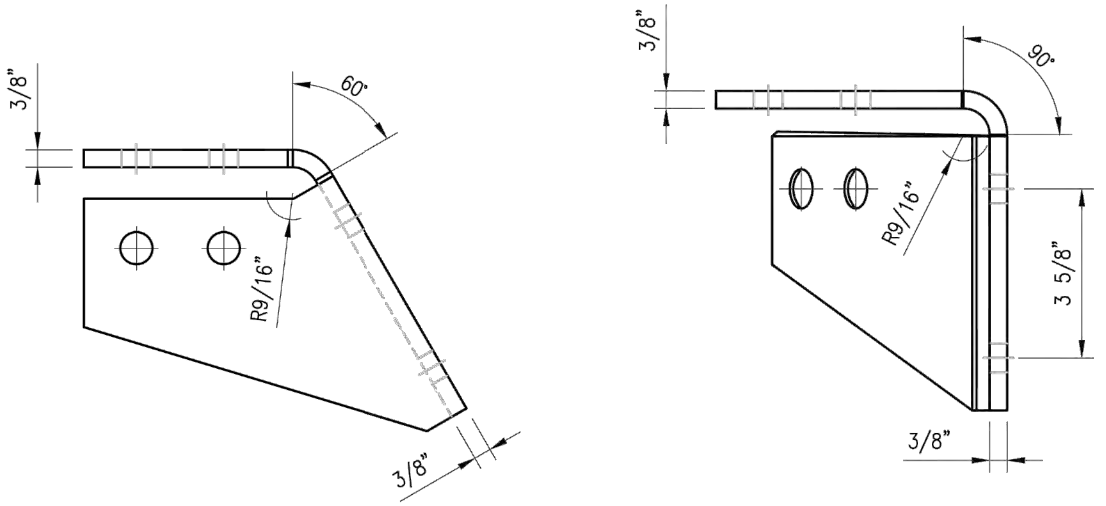
SHEET TITLE : MOUNT PHOTOS

SHEET NUMBER : S-6



TOP VIEW SIDE VIEW

CBP-L



TOP VIEW SIDE VIEW

CBP-R

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

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

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

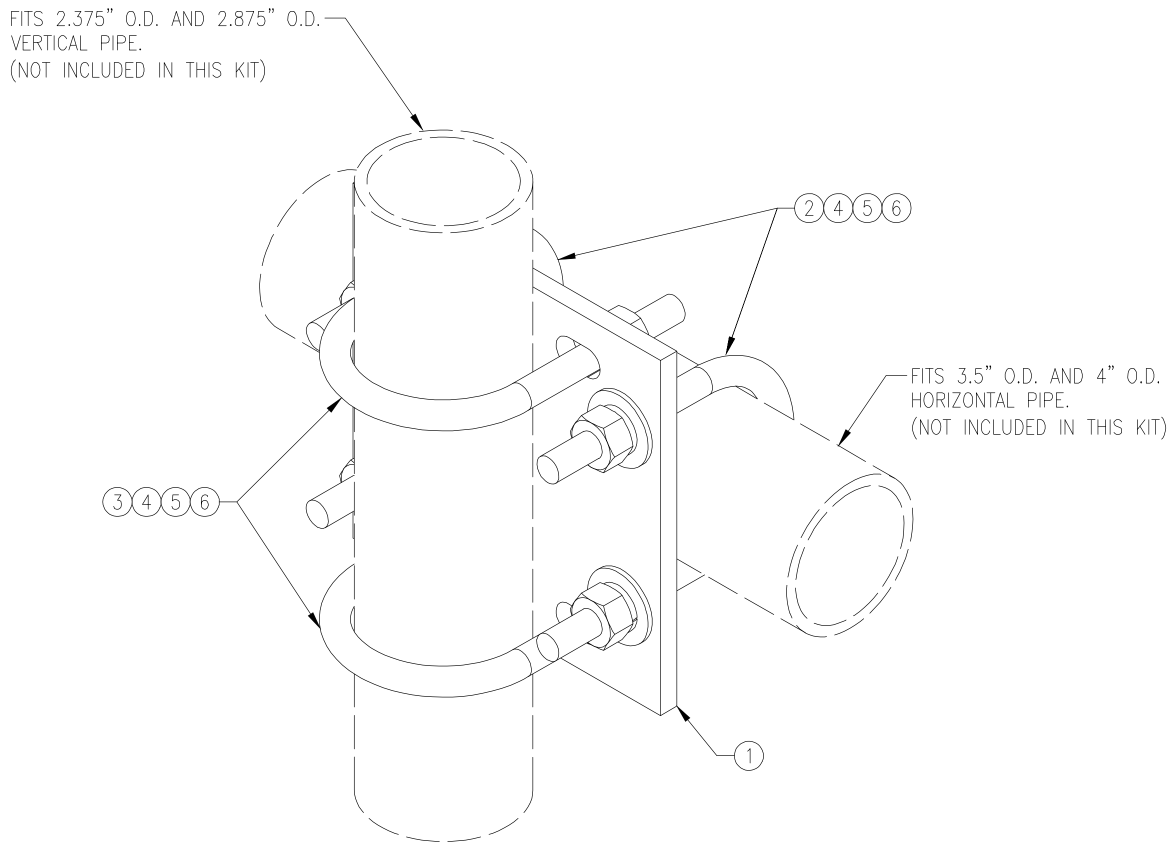
VzW
SMART Tool©
Vendor

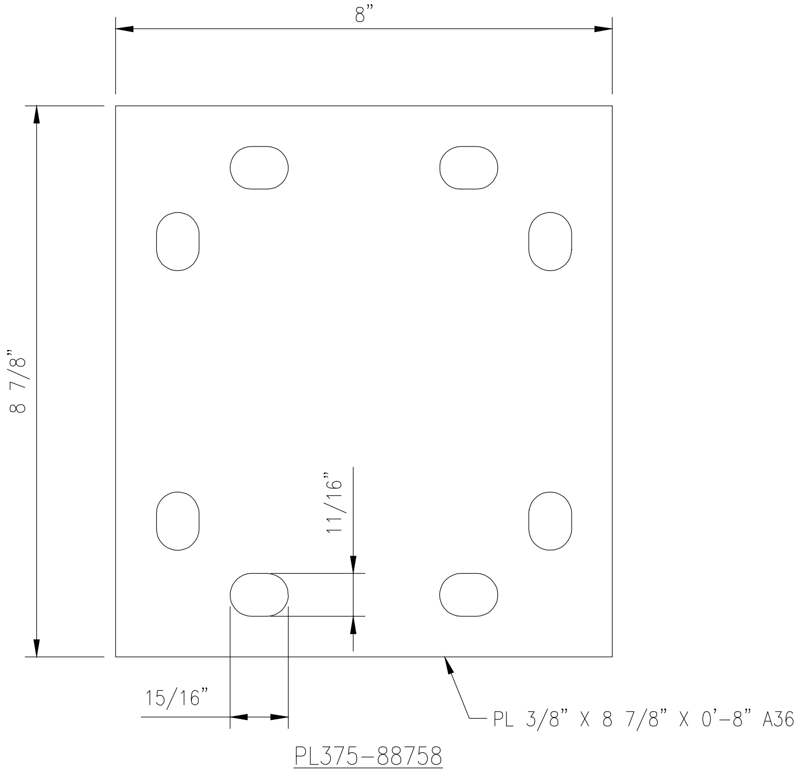
DRAWN BY: H.R
CHECKED BY: HMA

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

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER
BRACKET

SHEET NUMBER:
VZWSMART-PLK3
REV #:
0





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

VZWSMART-MSK2 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

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Vendor**

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DRAWN BY: H.R
CHECKED BY: HMA

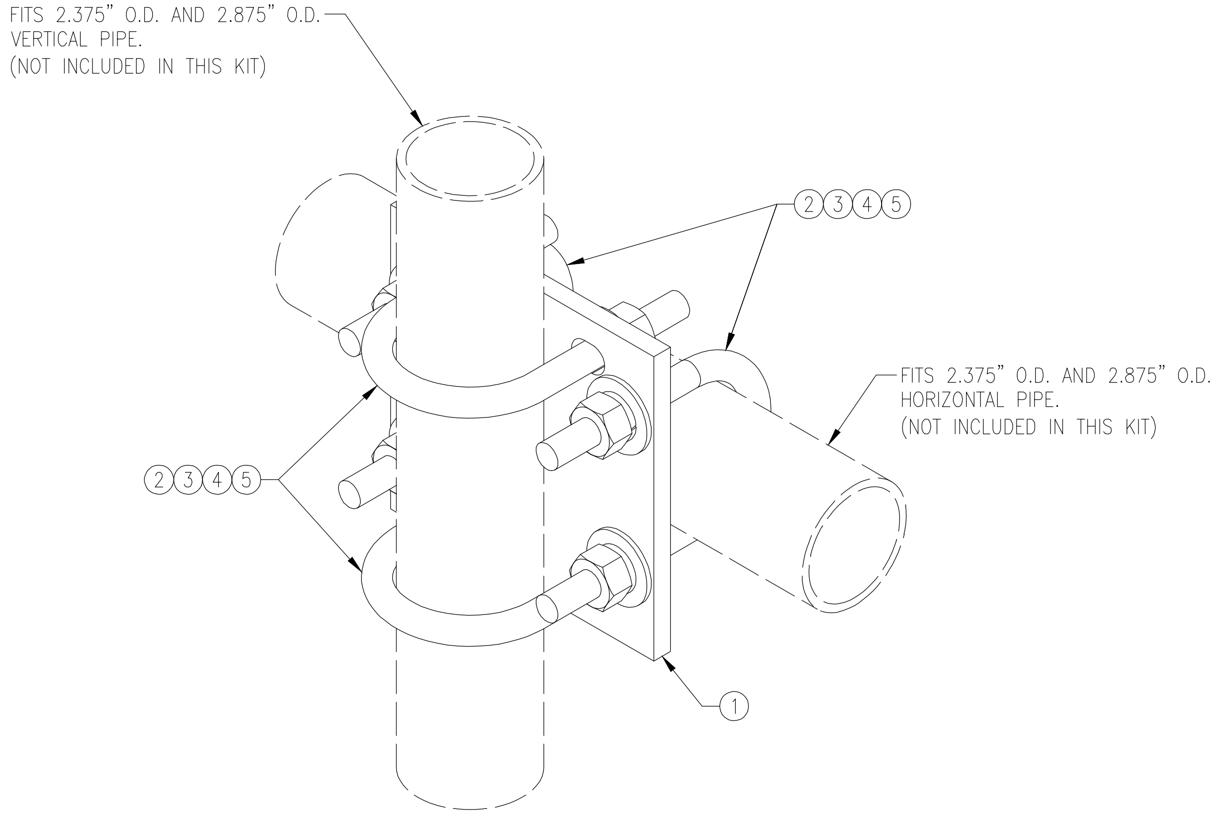
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20
△			
△			
△			
△			

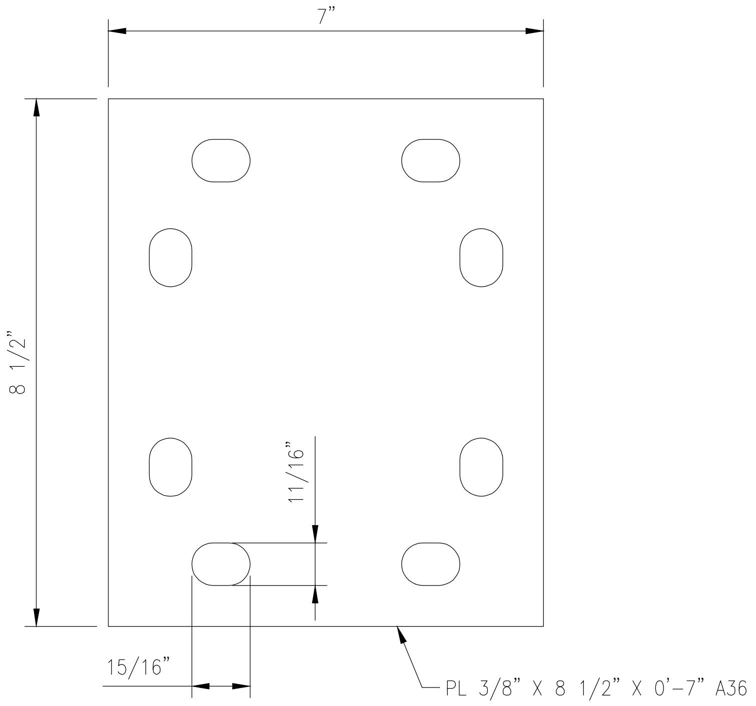
SHEET TITLE:

VZWSMART-MSK2
CROSSOVER PLATE

SHEET NUMBER:
VZWSMART-MSK2

REV #:
0





PL375-857

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

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

**VzW
SMART Tool©
Vendor**

verizon✓

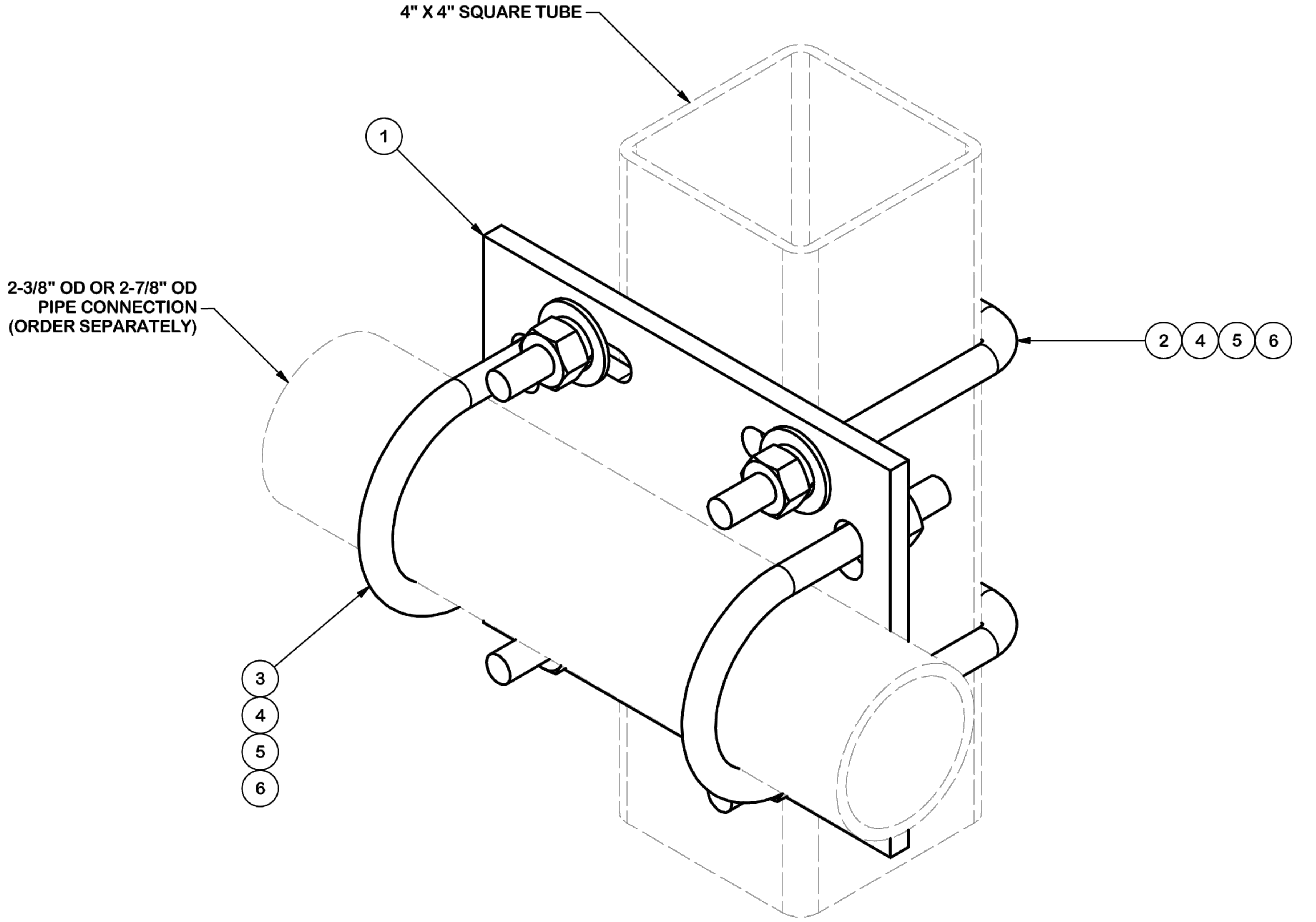
DRAWN BY: H.R
CHECKED BY: HMA

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

SHEET TITLE:
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1
REV #: 0

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



TOLERANCE NOTES

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

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

Engineering
Support Team:
1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CSL 9/18/2018	3RD PARTY	SQCX4-K

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K

PAGE 1 OF 1

EXHIBIT E

Structural Analysis Report

Date: **February 20, 2024**

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

Subject: **Structural Analysis Report**

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000386209
	Site Name:	MILFORD 3 CT
Crown Castle Designation:	**BU Number:**	873633
	Site Name:	Milford
	JDE Job Number:	2107972
	Work Order Number:	2283684
	Order Number:	662911 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	65119.930232
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 – 61.7%**

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 – Analysis Criteria.

Structural analysis prepared by: RPD / SWS

Respectfully submitted by:

Aaron T. Rucker, P.E.

AARON THOMAS RUCKER
32608

Electronic Copy

02/20/2024

TABLE OF CONTENTS

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:	120 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	1.0 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]	13	1-5/8
	113.0	6	Antel	LPA-80090/4CF w/ Mount Pipe		
		6	JMA Wireless	MX06FRO660-03 w/ Mount Pipe		
		3	Samsung Telecom.	MT6413-77A w/ Mount Pipe		
		3	Samsung Telecom.	RF4439D-25A		
		3	Samsung Telecom.	RF4461D-13A		
		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)
134.0	134.0	2	Raycap	DC6-48-60-18-8F	-	-
		1	Raycap	DC6-48-60-0-8F		
		1	Tower Mounts	Pipe Mount [PM 601-3]		
129.0	133.0	3	Ericsson	AIR 6419 B77G	2 4 3	7/8 13/16 3/8
	132.0	3	CCI Antennas	DMP65R-BU4E		
		3	Kathrein	80010964		
		3	Ericsson	RRUS 4478 B14_CCIV2		
		3	Ericsson	RRUS 32 B30		
		2	Commscope	WCS-IMFQ-AMT		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 8843 B2/B66A		
	130.0	3	Ericsson	AIR 6449 B77D		
	129.0	1	Tower Mounts	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 8.2.2.0), 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	-13.86	1561.31	39.7	Pass
L2	86.5 - 39.75	Pole	TP41.78x31.7828x0.2813	2	-22.02	2219.08	61.7	Pass
L3	39.75 - 0	Pole	TP49.01x40.1884x0.375	3	-34.31	3555.76	53.7	Pass
							Summary	
						Pole (L2)	61.7	Pass
						RATING =	**61.7**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	41.6	Pass
1,2	Base Plate	-	45.4	Pass
1,2,3	Base Foundation Structural (Drilled Pier Foundation)	-	44.3	Pass
1,2,3	Base Foundation Soil Interaction (Drilled Pier Foundation)	-	30.3	Pass
1,2,3	Base Foundation Structural (Pier and Pad Foundation)	-	28.6	Pass
1,2,3	Base Foundation Soil Interaction (Pier and Pad Foundation)	-	44.8	Pass

Structure Rating (max from all components) =	61.7%

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 pier and pad. Both designs were analyzed and determined to be sufficient.

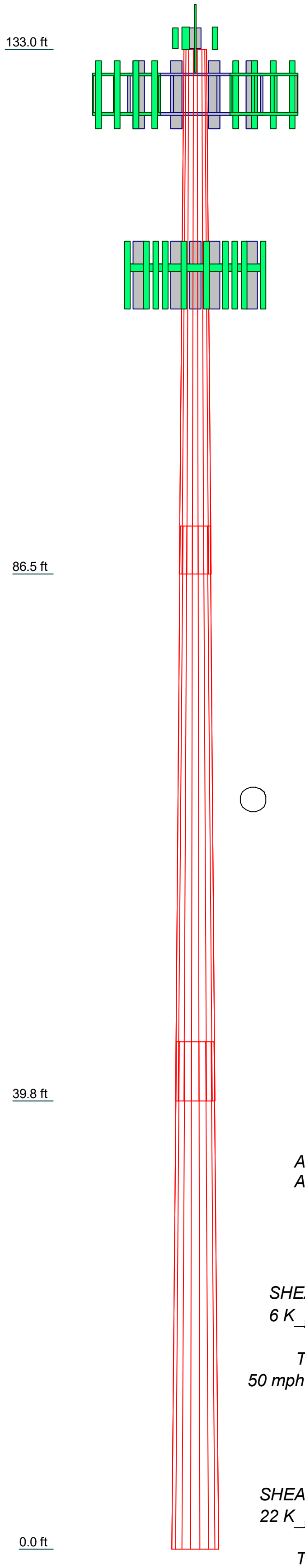
4.1) Recommendations

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

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	0.2812	5.25	31.7828	41.7800		5.7
3	45.00	18	0.3750		40.1884	49.0100		8.1
								17.3



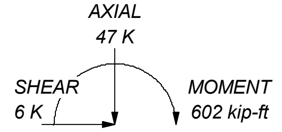
MATERIAL STRENGTH

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

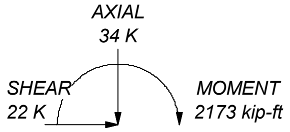
TOWER DESIGN NOTES

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 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 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: 61.7%

ALL REACTIONS
ARE FACTORED



TORQUE 0 kip-ft
50 mph WIND - 1.0000 in ICE



TORQUE 0 kip-ft
REACTIONS - 120 mph WIND

Tower Engineering Professionals

Tower Engineering Professionals, Inc.
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: ***Milford (BU 873633)***
Project: ***TEP No. 65119.930232***
Client: Crown Castle
Drawn by: RPD
App'd:
Code: TIA-222-H
Date: 02/20/24
Scale: NTS
Path: C:\Users\rdesai\Desktop\SA\20 Feb 2024 FC BU 873633\P-420725_L-930232_873633_Milford_Structural Analysis\tnxTower\873633_2283684_LC5.eri
Dwg No. E-1

Tower Input Data

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

- Tower is located in New Haven County, Connecticut.
- Tower base elevation above sea level: 69.00 ft.
- Basic wind speed of 120 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 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs
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
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 Appurtenances
√ Alternative Appurt. EPA Calculation
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
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

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

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	0.2812	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	7055.8447	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	9489.9239	14.1337	20.4157	464.8347	18992.3349	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 Horizontals* *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_AA_A* *ft^2/ft*	*Weight* *plf*
Step Pegs (5/8" SR) 7-in. w/30" step	C	No	No	CaAa (Out Of Face)	133.00 - 0.00	1	No Ice	0.03	0.49
							1/2" Ice	0.14	1.01
							1" Ice	0.23	2.07
129									
FB-L98B-034-XXX XXX(3/8)	A	No	No	Inside Pole	129.00 - 0.00	3	No Ice	0.00	0.05
							1/2" Ice	0.00	0.05
							1" Ice	0.00	0.05

Description	*Face or Leg*	*Allow Shield*	*Exclude From Torque Calculation*	*Component Type*	*Placement* *ft*	*Total Number*		C_AA_A *ft²/ft*	*Weight* *plf*
PWRT-608-S(13/16)	A	No	No	Inside Pole	129.00 - 0.00	4	No Ice	0.00	0.62
							1/2" Ice	0.00	0.62
							1" Ice	0.00	0.62
PWRT-606-S(7/8)	A	No	No	Inside Pole	129.00 - 0.00	2	No Ice	0.00	0.89
							1/2" Ice	0.00	0.89
							1" Ice	0.00	0.89
2" Flexible Conduit	A	No	No	Inside Pole	129.00 - 0.00	3	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
114									
561(1-5/8)	C	No	No	Inside Pole	114.00 - 0.00	11	No Ice	0.00	1.35
							1/2" Ice	0.00	1.35
							1" Ice	0.00	1.35
HB158-21U6S12-XXM-01(1-5/8)	C	No	No	Inside Pole	114.00 - 0.00	2	No Ice	0.00	1.90
							1/2" Ice	0.00	1.90
							1" Ice	0.00	1.90
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	*Tower Elevation* *ft*	*Face*	A_R *ft²*	A_F *ft²*	C_AA_A *In Face* *ft²*	C_AA_A *Out Face* *ft²*	*Weight* *K*
L1	133.00-86.50	A	0.000	0.000	0.000	0.000	0.23
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	1.627	0.54
L2	86.50-39.75	A	0.000	0.000	0.000	0.000	0.25
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	1.636	0.89
L3	39.75-0.00	A	0.000	0.000	0.000	0.000	0.22
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	1.391	0.76

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	*Tower Elevation* *ft*	*Face or Leg*	*Ice Thickness* *in*	A_R *ft²*	A_F *ft²*	C_AA_A *In Face* *ft²*	C_AA_A *Out Face* *ft²*	*Weight* *K*
L1	133.00-86.50	A	0.958	0.000	0.000	0.000	0.000	0.23
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	10.534	0.60
L2	86.50-39.75	A	0.906	0.000	0.000	0.000	0.000	0.25
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	10.590	0.96
L3	39.75-0.00	A	0.809	0.000	0.000	0.000	0.000	0.22
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	8.596	0.82

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	-0.2783	0.1607	-0.9164	0.5291
L2	86.50-39.75	-0.2797	0.1615	-0.9475	0.5470
L3	39.75-0.00	-0.2806	0.1620	-0.9267	0.5350

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_A Front* *ft^2*	*C_AA_A Side* *ft^2*	*Weight* *K*
24" x 16" Top Hat	C	From Leg	0.00	0.0000	133.00	No Ice	3.20	3.20	0.11
			0.00			1/2" Ice	3.43	3.43	0.15
			1.00			1" Ice	3.66	3.66	0.18
134									
DC6-48-60-18-8F	A	From Leg	1.00	0.0000	134.00	No Ice	0.85	0.85	0.02
			0.00			1/2" Ice	1.36	1.36	0.04
			0.00			1" Ice	1.53	1.53	0.05
DC6-48-60-0-8F	B	From Leg	1.00	0.0000	134.00	No Ice	0.92	0.92	0.03
			0.00			1/2" Ice	1.46	1.46	0.05
			0.00			1" Ice	1.64	1.64	0.07
DC6-48-60-18-8F	C	From Leg	1.00	0.0000	134.00	No Ice	0.85	0.85	0.02
			0.00			1/2" Ice	1.36	1.36	0.04
			0.00			1" Ice	1.53	1.53	0.05
Pipe Mount [PM 601-3]	C	None		0.0000	134.00	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
129									
AIR 6419 B77G	A	From Centroid-Leg	4.00	0.0000	129.00	No Ice	4.64	1.87	0.07
			0.00			1/2" Ice	5.11	2.23	0.09
			4.00			1" Ice	5.59	2.62	0.12
AIR 6419 B77G	B	From Centroid-Leg	4.00	0.0000	129.00	No Ice	4.64	1.87	0.07
			0.00			1/2" Ice	5.11	2.23	0.09
			4.00			1" Ice	5.59	2.62	0.12
AIR 6419 B77G	C	From Centroid-Leg	4.00	0.0000	129.00	No Ice	4.64	1.87	0.07
			0.00			1/2" Ice	5.11	2.23	0.09
			4.00			1" Ice	5.59	2.62	0.12
DMP65R-BU4E	A	From Centroid-Leg	4.00	0.0000	129.00	No Ice	7.95	3.74	0.08
			0.00			1/2" Ice	8.50	4.20	0.13
			3.00			1" Ice	9.08	4.69	0.19
DMP65R-BU4E	B	From Centroid-Leg	4.00	0.0000	129.00	No Ice	7.95	3.74	0.08
			0.00			1/2" Ice	8.50	4.20	0.13
			3.00			1" Ice	9.08	4.69	0.19
DMP65R-BU4E	C	From Centroid-Leg	4.00	0.0000	129.00	No Ice	7.95	3.74	0.08
			0.00			1/2" Ice	8.50	4.20	0.13
			3.00			1" Ice	9.08	4.69	0.19
AIR 6449 B77D	A	From Centroid-Le	4.00	0.0000	129.00	No Ice	3.64	1.72	0.08
			0.00			1/2" Ice	4.00	2.02	0.11

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert ft ft ft*	*Azimuth Adjustment °*	*Placement ft*		*C_AA_A Front ft²*	*C_AA_A Side ft²*	*Weight K*
		g	1.00			1" Ice	4.37	2.33	0.14
AIR 6449 B77D	B	From	4.00	0.0000	129.00	No Ice	3.64	1.72	0.08
		Centroid-Le	0.00			1/2" Ice	4.00	2.02	0.11
		g	1.00			1" Ice	4.37	2.33	0.14
AIR 6449 B77D	C	From	4.00	0.0000	129.00	No Ice	3.64	1.72	0.08
		Centroid-Le	0.00			1/2" Ice	4.00	2.02	0.11
		g	1.00			1" Ice	4.37	2.33	0.14
80010964	A	From	4.00	0.0000	129.00	No Ice	8.58	2.96	0.09
		Centroid-Le	0.00			1/2" Ice	9.16	3.44	0.15
		g	3.00			1" Ice	9.75	3.94	0.22
80010964	B	From	4.00	0.0000	129.00	No Ice	8.58	2.96	0.09
		Centroid-Le	0.00			1/2" Ice	9.16	3.44	0.15
		g	3.00			1" Ice	9.75	3.94	0.22
80010964	C	From	4.00	0.0000	129.00	No Ice	8.58	2.96	0.09
		Centroid-Le	0.00			1/2" Ice	9.16	3.44	0.15
		g	3.00			1" Ice	9.75	3.94	0.22
RRUS 4478 B14_CCIV2	A	From	4.00	0.0000	129.00	No Ice	2.02	1.25	0.06
		Centroid-Le	0.00			1/2" Ice	2.20	1.40	0.08
		g	3.00			1" Ice	2.39	1.55	0.10
RRUS 4478 B14_CCIV2	B	From	4.00	0.0000	129.00	No Ice	2.02	1.25	0.06
		Centroid-Le	0.00			1/2" Ice	2.20	1.40	0.08
		g	3.00			1" Ice	2.39	1.55	0.10
RRUS 4478 B14_CCIV2	C	From	4.00	0.0000	129.00	No Ice	2.02	1.25	0.06
		Centroid-Le	0.00			1/2" Ice	2.20	1.40	0.08
		g	3.00			1" Ice	2.39	1.55	0.10
RRUS 32 B30	A	From	4.00	0.0000	129.00	No Ice	2.73	1.67	0.05
		Centroid-Le	0.00			1/2" Ice	2.95	1.86	0.07
		g	3.00			1" Ice	3.18	2.05	0.10
RRUS 32 B30	B	From	4.00	0.0000	129.00	No Ice	2.73	1.67	0.05
		Centroid-Le	0.00			1/2" Ice	2.95	1.86	0.07
		g	3.00			1" Ice	3.18	2.05	0.10
RRUS 32 B30	C	From	4.00	0.0000	129.00	No Ice	2.73	1.67	0.05
		Centroid-Le	0.00			1/2" Ice	2.95	1.86	0.07
		g	3.00			1" Ice	3.18	2.05	0.10
WCS-IMFQ-AMT	A	From	4.00	0.0000	129.00	No Ice	0.99	0.64	0.03
		Centroid-Le	0.00			1/2" Ice	1.11	0.75	0.04
		g	3.00			1" Ice	1.25	0.86	0.05
WCS-IMFQ-AMT	B	From	4.00	0.0000	129.00	No Ice	0.99	0.64	0.03
		Centroid-Le	0.00			1/2" Ice	1.11	0.75	0.04
		g	3.00			1" Ice	1.25	0.86	0.05
RRUS 4449 B5/B12	A	From	4.00	0.0000	129.00	No Ice	1.97	1.41	0.07
		Centroid-Le	0.00			1/2" Ice	2.14	1.56	0.09
		g	3.00			1" Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	B	From	4.00	0.0000	129.00	No Ice	1.97	1.41	0.07
		Centroid-Le	0.00			1/2" Ice	2.14	1.56	0.09
		g	3.00			1" Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	C	From	4.00	0.0000	129.00	No Ice	1.97	1.41	0.07
		Centroid-Le	0.00			1/2" Ice	2.14	1.56	0.09
		g	3.00			1" Ice	2.33	1.73	0.11
RRUS 8843 B2/B66A	A	From	4.00	0.0000	129.00	No Ice	1.64	1.35	0.07
		Centroid-Le	0.00			1/2" Ice	1.80	1.50	0.09
		g	3.00			1" Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	B	From	4.00	0.0000	129.00	No Ice	1.64	1.35	0.07
		Centroid-Le	0.00			1/2" Ice	1.80	1.50	0.09
		g	3.00			1" Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	C	From	4.00	0.0000	129.00	No Ice	1.64	1.35	0.07
		Centroid-Le	0.00			1/2" Ice	1.80	1.50	0.09

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert ft ft ft*	*Azimuth Adjustment °*	*Placement ft*		*C_AA_A Front ft²*	*C_AA_A Side ft²*	*Weight K*
		g	3.00			1" Ice	1.97	1.65	0.11
(4) 2.4" Dia. x 10-ft Mount Pipe	A	From Centroid-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
(4) 2.4" Dia. x 10-ft Mount Pipe	B	From Centroid-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
(4) 2.4" Dia. x 10-ft Mount Pipe	C	From Centroid-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
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
**									
114									
(2) LPA-80090/4CF w/ Mount Pipe	A	From Centroid-Leg	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) LPA-80090/4CF w/ Mount Pipe	B	From Centroid-Leg	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) LPA-80090/4CF w/ Mount Pipe	C	From Centroid-Leg	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) MX06FRO660-03 w/ Mount Pipe	A	From Centroid-Leg	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) MX06FRO660-03 w/ Mount Pipe	B	From Centroid-Leg	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) MX06FRO660-03 w/ Mount Pipe	C	From Centroid-Leg	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
MT6413-77A w/ Mount Pipe	A	From Centroid-Leg	4.00	0.0000	114.00	No Ice	4.00	2.15	0.07
			0.00			1/2" Ice	4.31	2.55	0.10
			-1.00			1" Ice	4.63	2.97	0.14
MT6413-77A w/ Mount Pipe	B	From Centroid-Leg	4.00	0.0000	114.00	No Ice	4.00	2.15	0.07
			0.00			1/2" Ice	4.31	2.55	0.10
			-1.00			1" Ice	4.63	2.97	0.14
MT6413-77A w/ Mount Pipe	C	From Centroid-Leg	4.00	0.0000	114.00	No Ice	4.00	2.15	0.07
			0.00			1/2" Ice	4.31	2.55	0.10
			-1.00			1" Ice	4.63	2.97	0.14
RF4439D-25A	A	From Centroid-Leg	4.00	0.0000	114.00	No Ice	1.87	1.25	0.07
			0.00			1/2" Ice	2.03	1.39	0.09
			-1.00			1" Ice	2.21	1.54	0.11
RF4439D-25A	B	From Centroid-Leg	4.00	0.0000	114.00	No Ice	1.87	1.25	0.07
			0.00			1/2" Ice	2.03	1.39	0.09
			-1.00			1" Ice	2.21	1.54	0.11
RF4439D-25A	C	From Centroid-Leg	4.00	0.0000	114.00	No Ice	1.87	1.25	0.07
			0.00			1/2" Ice	2.03	1.39	0.09
			-1.00			1" Ice	2.21	1.54	0.11
RF4461D-13A	A	From Centroid-Leg	4.00	0.0000	114.00	No Ice	1.87	1.28	0.08
			0.00			1/2" Ice	2.03	1.42	0.10
			-1.00			1" Ice	2.21	1.57	0.12
RF4461D-13A	B	From Centroid-Leg	4.00	0.0000	114.00	No Ice	1.87	1.28	0.08
			0.00			1/2" Ice	2.03	1.42	0.10
			-1.00			1" Ice	2.21	1.57	0.12

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert ft ft ft*	*Azimuth Adjustment °*	*Placement ft*		*C_AA_A Front ft^2*	*C_AA_A Side ft^2*	*Weight K*
RF4461D-13A	C	From Centroid-Leg	4.00	0.0000	114.00	No Ice	1.87	1.28	0.08
			0.00			1/2" Ice	2.03	1.42	0.10
			-1.00			1" Ice	2.21	1.57	0.12
RVZDC-6627-PF-48	A	From Centroid-Leg	4.00	0.0000	114.00	No Ice	3.79	2.51	0.03
			0.00			1/2" Ice	4.04	2.73	0.06
			-1.00			1" Ice	4.30	2.95	0.10
Platform Mount [LP 303-1]	C	None		0.0000	114.00	No Ice	14.69	14.69	1.25
						1/2" Ice	18.01	18.01	1.57
						1" Ice	21.34	21.34	1.94
Mount Reinforcement Specifications	C	None		0.0000	114.00	No Ice	28.63	28.63	0.28
						1/2" Ice	37.31	37.31	0.67
						1" Ice	45.80	45.80	0.94
2.4" Dia x 5-ft Pipe	C	From Centroid-Leg	2.00	0.0000	114.00	No Ice	1.20	1.20	0.02
			0.00			1/2" Ice	1.50	1.50	0.03
			0.00			1" Ice	1.81	1.81	0.04
******									

Load Combinations

Comb. No.	*Description*
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp

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

Maximum Member Forces

Section No.	*Elevation ft*	*Component Type*	*Condition*	*Gov. Load Comb.*	*Axial K*	*Major Axis Moment kip-ft*	*Minor Axis Moment kip-ft*
L1	133 - 86.5	Pole	Max Tension	2	0.00	-0.00	-0.00
			Max. Compression	26	-22.91	0.12	0.31
			Max. Mx	20	-13.87	461.56	0.35
			Max. My	2	-13.86	0.29	463.06
			Max. Vy	20	-15.31	461.56	0.35
			Max. Vx	2	-15.37	0.29	463.06
			Max. Torque	7			0.32
L2	86.5 - 39.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-32.83	0.24	0.23
			Max. Mx	20	-22.02	1244.29	0.62
			Max. My	2	-22.02	0.61	1248.39
			Max. Vy	20	-18.86	1244.29	0.62
			Max. Vx	2	-18.92	0.61	1248.39
			Max. Torque	5			0.35
L3	39.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.96	0.38	0.15
			Max. Mx	20	-34.31	2166.08	0.87
			Max. My	2	-34.31	0.93	2172.65
			Max. Vy	20	-21.95	2166.08	0.87
			Max. Vx	2	-22.00	0.93	2172.65
			Max. Torque	5			0.40

Maximum Reactions

Location	*Condition*	*Gov. Load Comb.*	*Vertical K*	*Horizontal, X K*	*Horizontal, Z K*
Pole	Max. Vert	27	46.96	0.00	6.25
	Max. H_x	20	34.33	21.92	0.01

Location	*Condition*	*Gov. Load Comb.*	*Vertical* K	*Horizontal, X* K	*Horizontal, Z* K
	Max. H_z	2	34.33	0.01	21.98
	Max. M_x	2	2172.65	0.01	21.98
	Max. M_z	8	2165.85	-21.92	-0.01
	Max. Torsion	5	0.40	-10.96	19.03
	Min. Vert	7	25.75	-18.98	10.98
	Min. H_x	8	34.33	-21.92	-0.01
	Min. H_z	14	34.33	-0.01	-21.98
	Min. M_x	14	-2172.53	-0.01	-21.98
	Min. M_z	20	-2166.08	21.92	0.01
	Min. Torsion	17	-0.40	10.96	-19.03

Tower Mast Reaction Summary

Load Combination	*Vertical* K	*Shear$_x$* K	*Shear$_z$* K	*Overturning Moment, M_x* kip-ft	*Overturning Moment, M_z* kip-ft	*Torque* kip-ft
Dead Only	28.61	0.00	0.00	-0.05	0.09	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	34.33	-0.01	-21.98	-2172.65	0.93	-0.37
0.9 Dead+1.0 Wind 0 deg - No Ice	25.75	-0.01	-21.98	-2150.47	0.89	-0.37
1.2 Dead+1.0 Wind 30 deg - No Ice	34.33	10.96	-19.03	-1881.18	-1082.17	-0.40
0.9 Dead+1.0 Wind 30 deg - No Ice	25.75	10.96	-19.03	-1861.97	-1071.15	-0.40
1.2 Dead+1.0 Wind 60 deg - No Ice	34.33	18.98	-10.98	-1085.66	-1875.26	-0.32
0.9 Dead+1.0 Wind 60 deg - No Ice	25.75	18.98	-10.98	-1074.57	-1856.16	-0.32
1.2 Dead+1.0 Wind 90 deg - No Ice	34.33	21.92	0.01	0.75	-2165.85	-0.15
0.9 Dead+1.0 Wind 90 deg - No Ice	25.75	21.92	0.01	0.76	-2143.78	-0.15
1.2 Dead+1.0 Wind 120 deg - No Ice	34.33	18.99	10.99	1086.94	-1876.07	0.06
0.9 Dead+1.0 Wind 120 deg - No Ice	25.75	18.99	10.99	1075.87	-1856.96	0.05
1.2 Dead+1.0 Wind 150 deg - No Ice	34.33	10.97	19.04	1881.87	-1083.56	0.25
0.9 Dead+1.0 Wind 150 deg - No Ice	25.75	10.97	19.04	1862.68	-1072.54	0.24
1.2 Dead+1.0 Wind 180 deg - No Ice	34.33	0.01	21.98	2172.53	-0.69	0.37
0.9 Dead+1.0 Wind 180 deg - No Ice	25.75	0.01	21.98	2150.38	-0.71	0.37
1.2 Dead+1.0 Wind 210 deg - No Ice	34.33	-10.96	19.03	1881.07	1082.40	0.40
0.9 Dead+1.0 Wind 210 deg - No Ice	25.75	-10.96	19.03	1861.89	1071.33	0.40
1.2 Dead+1.0 Wind 240 deg - No Ice	34.33	-18.98	10.98	1085.55	1875.50	0.32
0.9 Dead+1.0 Wind 240 deg - No Ice	25.75	-18.98	10.98	1074.49	1856.34	0.32
1.2 Dead+1.0 Wind 270 deg - No Ice	34.33	-21.92	-0.01	-0.87	2166.08	0.15
0.9 Dead+1.0 Wind 270 deg - No Ice	25.75	-21.92	-0.01	-0.84	2143.96	0.15

Load Combination	*Vertical* *K*	*Shear$_x$* *K*	*Shear$_z$* *K*	*Overturning Moment, M_x* *kip-ft*	*Overturning Moment, M_z* *kip-ft*	*Torque* *kip-ft*
1.2 Dead+1.0 Wind 300 deg - No Ice	34.33	-18.99	-10.99	-1087.06	1876.31	-0.05
0.9 Dead+1.0 Wind 300 deg - No Ice	25.75	-18.99	-10.99	-1075.96	1857.13	-0.05
1.2 Dead+1.0 Wind 330 deg - No Ice	34.33	-10.97	-19.04	-1881.99	1083.80	-0.25
0.9 Dead+1.0 Wind 330 deg - No Ice	25.75	-10.97	-19.04	-1862.77	1072.71	-0.24
1.2 Dead+1.0 Ice+1.0 Temp	46.96	0.00	0.00	-0.15	0.38	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	46.96	-0.00	-6.25	-602.28	0.57	-0.30
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	46.96	3.12	-5.41	-521.54	-299.87	-0.21
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	46.96	5.40	-3.12	-301.09	-519.86	-0.06
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	46.96	6.24	0.00	-0.02	-600.44	0.10
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	46.96	5.40	3.12	301.01	-520.02	0.24
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	46.96	3.12	5.41	521.33	-300.15	0.31
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	46.96	0.00	6.25	601.92	0.25	0.30
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	46.96	-3.12	5.41	521.17	300.69	0.21
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	46.96	-5.40	3.12	300.73	520.67	0.06
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	46.96	-6.24	-0.00	-0.34	601.25	-0.10
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	46.96	-5.40	-3.12	-301.37	520.83	-0.24
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	46.96	-3.12	-5.41	-521.70	300.97	-0.31
Dead+Wind 0 deg - Service	28.61	-0.00	-5.18	-509.01	0.29	-0.09
Dead+Wind 30 deg - Service	28.61	2.58	-4.48	-440.73	-253.44	-0.09
Dead+Wind 60 deg - Service	28.61	4.47	-2.59	-254.37	-439.23	-0.08
Dead+Wind 90 deg - Service	28.61	5.17	0.00	0.14	-507.31	-0.04
Dead+Wind 120 deg - Service	28.61	4.47	2.59	254.59	-439.42	0.01
Dead+Wind 150 deg - Service	28.61	2.58	4.49	440.81	-253.77	0.06
Dead+Wind 180 deg - Service	28.61	0.00	5.18	508.91	-0.09	0.09
Dead+Wind 210 deg - Service	28.61	-2.58	4.48	440.63	253.64	0.09
Dead+Wind 240 deg - Service	28.61	-4.47	2.59	254.27	439.43	0.08
Dead+Wind 270 deg - Service	28.61	-5.17	-0.00	-0.24	507.50	0.04
Dead+Wind 300 deg - Service	28.61	-4.47	-2.59	-254.69	439.62	-0.01
Dead+Wind 330 deg - Service	28.61	-2.58	-4.49	-440.92	253.96	-0.06

Solution Summary

		Sum of Applied Forces			*Sum of Reactions*		
Load Comb.	*PX* *K*	*PY* *K*	*PZ* *K*	*PX* *K*	*PY* *K*	*PZ* *K*	*% Error*
1	0.00	-28.61	0.00	0.00	28.61	0.00	0.000%
2	-0.01	-34.33	-21.98	0.01	34.33	21.98	0.000%
3	-0.01	-25.75	-21.98	0.01	25.75	21.98	0.000%
4	10.96	-34.33	-19.03	-10.96	34.33	19.03	0.000%
5	10.96	-25.75	-19.03	-10.96	25.75	19.03	0.000%
6	18.98	-34.33	-10.98	-18.98	34.33	10.98	0.000%
7	18.98	-25.75	-10.98	-18.98	25.75	10.98	0.000%

	Sum of Applied Forces			*Sum of Reactions*			
Load Comb.	*PX K*	*PY K*	*PZ K*	*PX K*	*PY K*	*PZ K*	*% Error*
8	21.92	-34.33	0.01	-21.92	34.33	-0.01	0.000%
9	21.92	-25.75	0.01	-21.92	25.75	-0.01	0.000%
10	18.99	-34.33	10.99	-18.99	34.33	-10.99	0.000%
11	18.99	-25.75	10.99	-18.99	25.75	-10.99	0.000%
12	10.97	-34.33	19.04	-10.97	34.33	-19.04	0.000%
13	10.97	-25.75	19.04	-10.97	25.75	-19.04	0.000%
14	0.01	-34.33	21.98	-0.01	34.33	-21.98	0.000%
15	0.01	-25.75	21.98	-0.01	25.75	-21.98	0.000%
16	-10.96	-34.33	19.03	10.96	34.33	-19.03	0.000%
17	-10.96	-25.75	19.03	10.96	25.75	-19.03	0.000%
18	-18.98	-34.33	10.98	18.98	34.33	-10.98	0.000%
19	-18.98	-25.75	10.98	18.98	25.75	-10.98	0.000%
20	-21.92	-34.33	-0.01	21.92	34.33	0.01	0.000%
21	-21.92	-25.75	-0.01	21.92	25.75	0.01	0.000%
22	-18.99	-34.33	-10.99	18.99	34.33	10.99	0.000%
23	-18.99	-25.75	-10.99	18.99	25.75	10.99	0.000%
24	-10.97	-34.33	-19.04	10.97	34.33	19.04	0.000%
25	-10.97	-25.75	-19.04	10.97	25.75	19.04	0.000%
26	0.00	-46.96	0.00	0.00	46.96	0.00	0.000%
27	-0.00	-46.96	-6.25	0.00	46.96	6.25	0.000%
28	3.12	-46.96	-5.41	-3.12	46.96	5.41	0.000%
29	5.40	-46.96	-3.12	-5.40	46.96	3.12	0.000%
30	6.24	-46.96	0.00	-6.24	46.96	-0.00	0.000%
31	5.40	-46.96	3.12	-5.40	46.96	-3.12	0.000%
32	3.12	-46.96	5.41	-3.12	46.96	-5.41	0.000%
33	0.00	-46.96	6.25	-0.00	46.96	-6.25	0.000%
34	-3.12	-46.96	5.41	3.12	46.96	-5.41	0.000%
35	-5.40	-46.96	3.12	5.40	46.96	-3.12	0.000%
36	-6.24	-46.96	-0.00	6.24	46.96	0.00	0.000%
37	-5.40	-46.96	-3.12	5.40	46.96	3.12	0.000%
38	-3.12	-46.96	-5.41	3.12	46.96	5.41	0.000%
39	-0.00	-28.61	-5.18	0.00	28.61	5.18	0.000%
40	2.58	-28.61	-4.48	-2.58	28.61	4.48	0.000%
41	4.47	-28.61	-2.59	-4.47	28.61	2.59	0.000%
42	5.17	-28.61	0.00	-5.17	28.61	-0.00	0.000%
43	4.47	-28.61	2.59	-4.47	28.61	-2.59	0.000%
44	2.58	-28.61	4.49	-2.58	28.61	-4.49	0.000%
45	0.00	-28.61	5.18	-0.00	28.61	-5.18	0.000%
46	-2.58	-28.61	4.48	2.58	28.61	-4.48	0.000%
47	-4.47	-28.61	2.59	4.47	28.61	-2.59	0.000%
48	-5.17	-28.61	-0.00	5.17	28.61	0.00	0.000%
49	-4.47	-28.61	-2.59	4.47	28.61	2.59	0.000%
50	-2.58	-28.61	-4.49	2.58	28.61	4.49	0.000%

Non-Linear Convergence Results

Load Combination	*Converged?*	*Number of Cycles*	*Displacement Tolerance*	*Force Tolerance*
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00029279
3	Yes	4	0.00000001	0.00012555
4	Yes	5	0.00000001	0.00049641
5	Yes	5	0.00000001	0.00022690
6	Yes	5	0.00000001	0.00050529
7	Yes	5	0.00000001	0.00023138
8	Yes	4	0.00000001	0.00027510

9	Yes	4	0.00000001	0.00010935
10	Yes	5	0.00000001	0.00050074
11	Yes	5	0.00000001	0.00022903
12	Yes	5	0.00000001	0.00050049
13	Yes	5	0.00000001	0.00022887
14	Yes	4	0.00000001	0.00028314
15	Yes	4	0.00000001	0.00011606
16	Yes	5	0.00000001	0.00050587
17	Yes	5	0.00000001	0.00023159
18	Yes	5	0.00000001	0.00049624
19	Yes	5	0.00000001	0.00022689
20	Yes	4	0.00000001	0.00028386
21	Yes	4	0.00000001	0.00011835
22	Yes	5	0.00000001	0.00050287
23	Yes	5	0.00000001	0.00023008
24	Yes	5	0.00000001	0.00050389
25	Yes	5	0.00000001	0.00023046
26	Yes	4	0.00000001	0.00000001
27	Yes	5	0.00000001	0.00011759
28	Yes	5	0.00000001	0.00014305
29	Yes	5	0.00000001	0.00014345
30	Yes	5	0.00000001	0.00011706
31	Yes	5	0.00000001	0.00014342
32	Yes	5	0.00000001	0.00014282
33	Yes	5	0.00000001	0.00011736
34	Yes	5	0.00000001	0.00014372
35	Yes	5	0.00000001	0.00014304
36	Yes	5	0.00000001	0.00011724
37	Yes	5	0.00000001	0.00014336
38	Yes	5	0.00000001	0.00014424
39	Yes	4	0.00000001	0.00002330
40	Yes	4	0.00000001	0.00015534
41	Yes	4	0.00000001	0.00016499
42	Yes	4	0.00000001	0.00002279
43	Yes	4	0.00000001	0.00015909
44	Yes	4	0.00000001	0.00015870
45	Yes	4	0.00000001	0.00002319
46	Yes	4	0.00000001	0.00016535
47	Yes	4	0.00000001	0.00015525
48	Yes	4	0.00000001	0.00002290
49	Yes	4	0.00000001	0.00016151
50	Yes	4	0.00000001	0.00016235

Maximum Tower Deflections - Service Wind

Section No.	*Elevation* *ft*	*Horz. Deflection* *in*	*Gov. Load Comb.*	*Tilt* *°*	*Twist* *°*
L1	133 - 86.5	16.186	39	1.0287	0.0006
L2	90.75 - 39.75	7.680	39	0.8238	0.0003
L3	45 - 0	1.806	39	0.3682	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
134.00	DC6-48-60-18-8F	39	16.186	1.0287	0.0006	54837
133.00	24" x 16" Top Hat	39	16.186	1.0287	0.0006	54837
129.00	AIR 6419 B77G	39	15.329	1.0149	0.0006	54837
114.00	(2) LPA-80090/4CF w/ Mount Pipe	39	12.163	0.9582	0.0005	14430

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	133 - 86.5	69.154	2	4.3983	0.0025
L2	90.75 - 39.75	32.812	2	3.5224	0.0014
L3	45 - 0	7.714	2	1.5734	0.0005

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
134.00	DC6-48-60-18-8F	2	69.154	4.3983	0.0026	12951
133.00	24" x 16" Top Hat	2	69.154	4.3983	0.0026	12951
129.00	AIR 6419 B77G	2	65.493	4.3396	0.0025	12951
114.00	(2) LPA-80090/4CF w/ Mount Pipe	2	51.968	4.0970	0.0020	3406

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	133 - 86.5 (1)	TP33.116x24x0.25	46.50	0.00	0.0	25.4180	-13.86	1486.96	0.009
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	51.00	0.00	0.0	36.1267	-22.02	2113.41	0.010
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	45.00	0.00	0.0	57.8878	-34.31	3386.44	0.010

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	133 - 86.5 (1)	TP33.116x24x0.25	463.06	1140.83	0.406	0.00	1140.83	0.000

Section No.	*Elevation ft*	*Size*	M_{ux} *kip-ft*	ϕM_{nx} *kip-ft*	*Ratio* $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} *kip-ft*	ϕM_{ny} *kip-ft*	*Ratio* $\frac{M_{uy}}{\phi M_{ny}}$
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	1248.38	1961.90	0.636	0.00	1961.90	0.000
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	2172.65	3928.24	0.553	0.00	3928.24	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	15.37	446.09	0.034	0.20	1251.39	0.000
L2	86.5 - 39.75 (2)	TP41.78x31.7828x0.2813	18.92	634.02	0.030	0.29	2247.06	0.000
L3	39.75 - 0 (3)	TP49.01x40.1884x0.375	22.00	1015.93	0.022	0.37	4327.06	0.000

Pole Interaction Design Data

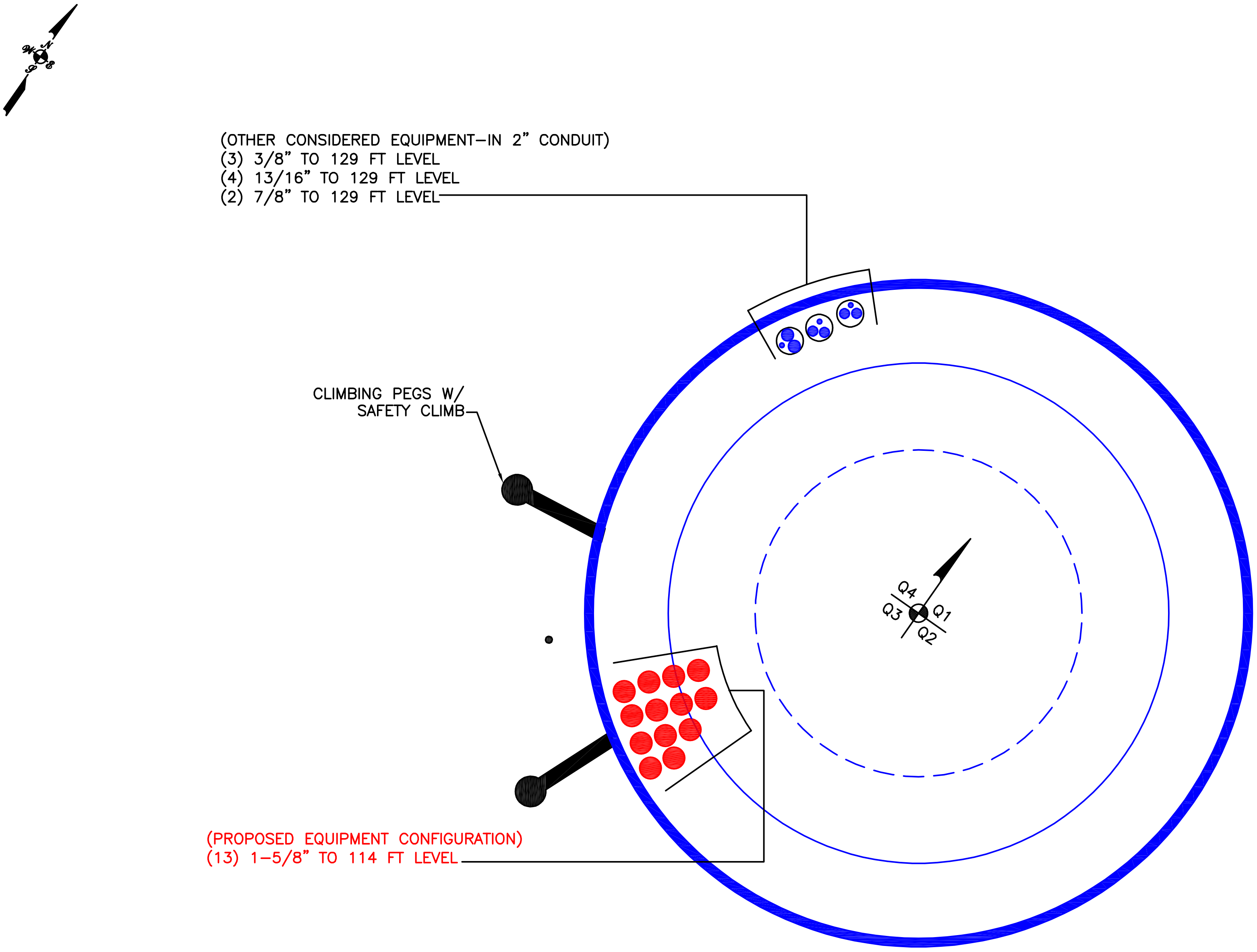
Section No.	*Elevation ft*	*Ratio* $\frac{P_u}{\phi P_n}$	*Ratio* $\frac{M_{ux}}{\phi M_{nx}}$	*Ratio* $\frac{M_{uy}}{\phi M_{ny}}$	*Ratio* $\frac{V_u}{\phi V_n}$	*Ratio* $\frac{T_u}{\phi T_n}$	*Comb. Stress Ratio*	*Allow. Stress Ratio*	*Criteria*
L1	133 - 86.5 (1)	0.009	0.406	0.000	0.034	0.000	0.416	1.050	
L2	86.5 - 39.75 (2)	0.010	0.636	0.000	0.030	0.000	0.648	1.050	
L3	39.75 - 0 (3)	0.010	0.553	0.000	0.022	0.000	0.564	1.050	

Section Capacity Table

Section No.	*Elevation ft*	*Component Type*	*Size*	*Critical Element*	*P K*	$\o P_{allow}$ *K*	*% Capacity*	*Pass Fail*
L1	133 - 86.5	Pole	TP33.116x24x0.25	1	-13.86	1561.31	39.7	Pass
L2	86.5 - 39.75	Pole	TP41.78x31.7828x0.2813	2	-22.02	2219.08	61.7	Pass
L3	39.75 - 0	Pole	TP49.01x40.1884x0.375	3	-34.31	3555.76	53.7	Pass
							Summary	
						Pole (L2)	61.7	Pass
						RATING =	**61.7**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


N
E
S
W
(OTHER CONSIDERED EQUIPMENT–IN 2" CONDUIT)
(3) 3/8" TO 129 FT LEVEL
(4) 13/16" TO 129 FT LEVEL
(2) 7/8" TO 129 FT LEVEL
CLIMBING PEGS W/
SAFETY CLIMB
Q4
Q1
Q3
Q2
(PROPOSED EQUIPMENT CONFIGURATION)
(13) 1–5/8" TO 114 FT LEVEL

APPENDIX C

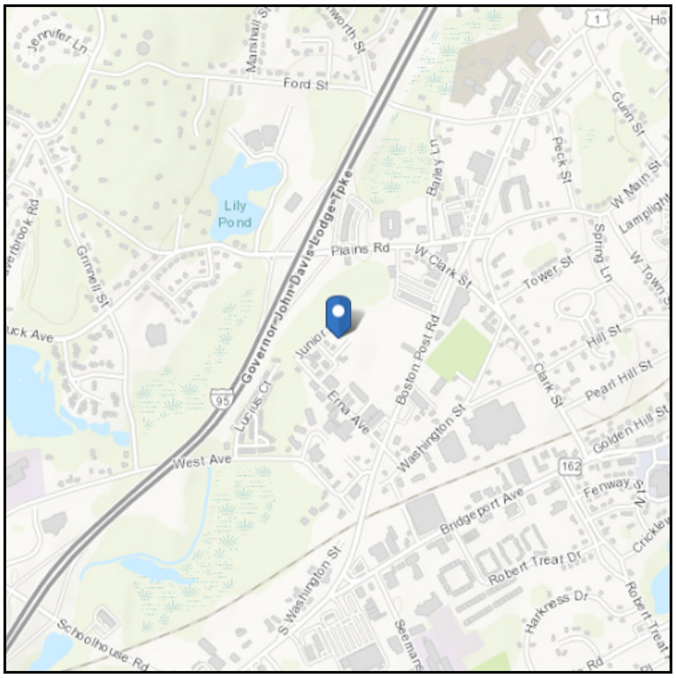
ADDITIONAL CALCULATIONS

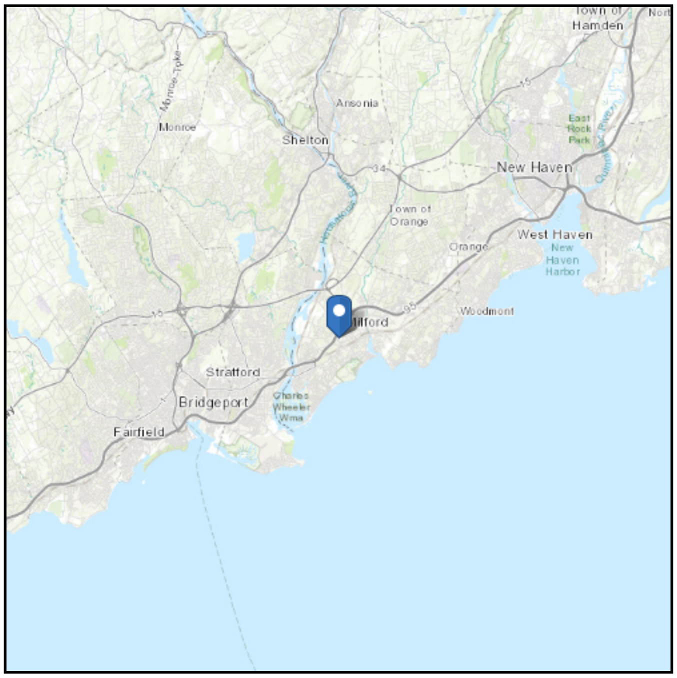
ASCE Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Latitude: 41.220075
Longitude: -73.077378
Elevation: 69.21459905213744 ft (NAVD 88)





Wind

Results:

Wind Speed	120 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	91 Vmph
100-year MRI	98 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Wed Feb 14 2024

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 7-16 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 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

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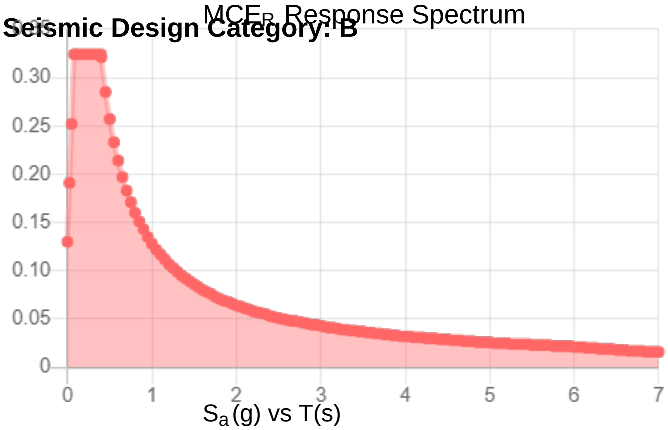
Seismic

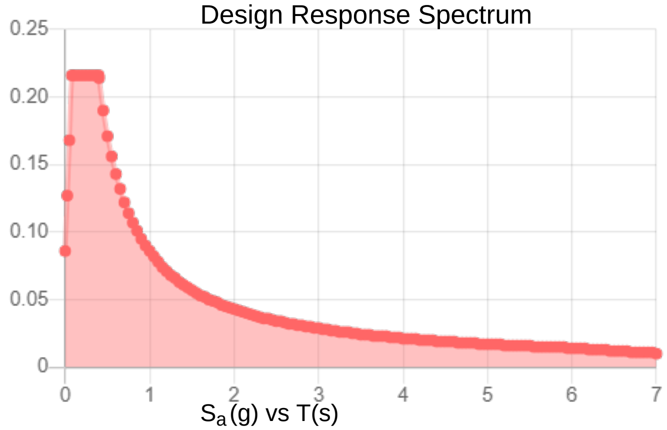
Site Soil Class: D - Default (see Section 11.4.3)

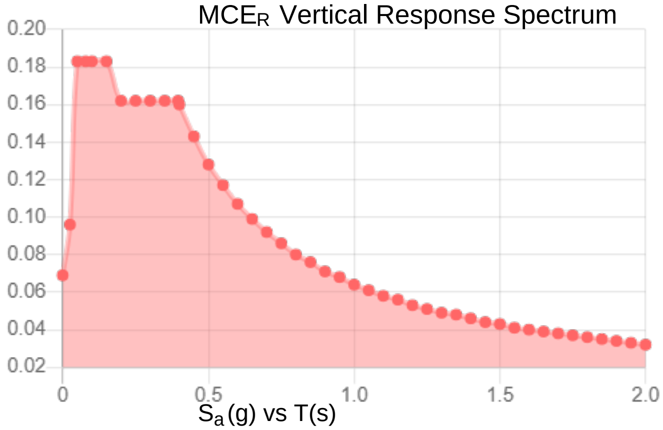
Results:

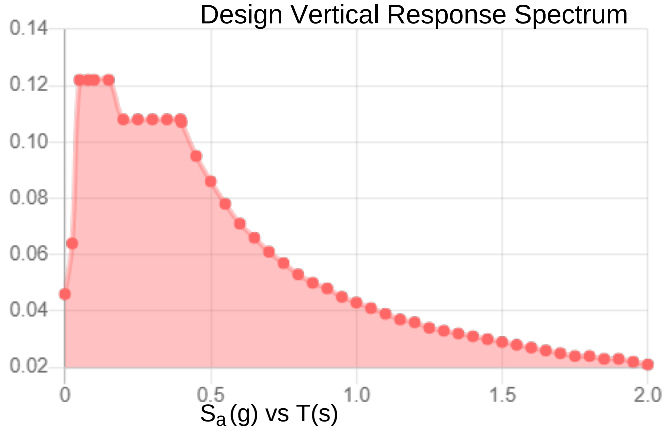
S_S :	0.203	S_{D1} :	0.086
S_1 :	0.053	T_L :	6
F_a :	1.6	PGA :	0.114
F_v :	2.4	PGA_M :	0.179
S_{MS} :	0.324	F_{PGA} :	1.572
S_{M1} :	0.128	I_e :	1
S_{DS} :	0.216	C_v :	0.705

Seismic Design Category: B


MCE$_R$ Response Spectrum


Design Response Spectrum


MCE$_R$ Vertical Response Spectrum


Design Vertical Response Spectrum

Data Accessed: **Wed Feb 14 2024**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Feb 14 2024

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 500-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 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 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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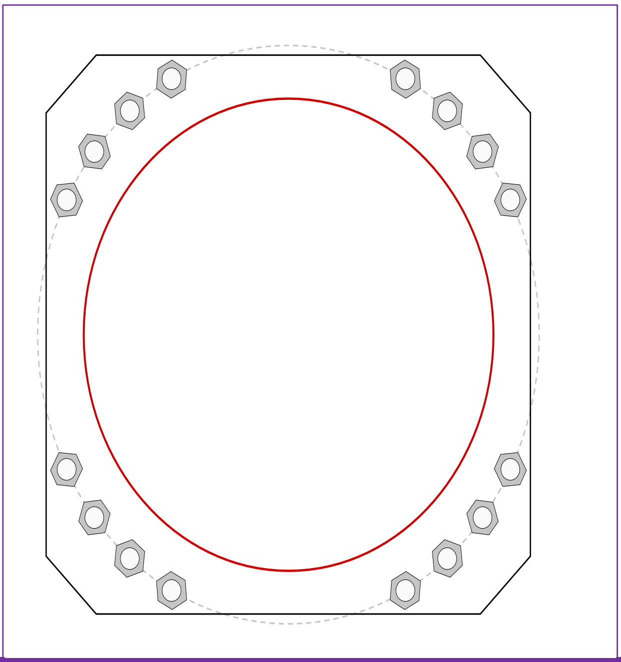
Monopole Base Plate Connection

Site Info	
BU #	873633
Site Name	Milford
Order #	662911 Rev. 0

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

Applied Loads	
Moment (kip-ft)	2173.00
Axial Force (kips)	34.00
Shear Force (kips)	22.00

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 60" BC

Anchor Spacing: 6 in

Base Plate Data

58" W x 3.25" Plate (A572-55; Fy=55 ksi, Fu=70 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

49.01" x 0.375" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 106.46	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.38	ϕVn = 149.1	**41.6%**
Mu = n/a	ϕMn = n/a	Pass

Base Plate Summary

Max Stress (ksi):	23.59	(Flexural)
Allowable Stress (ksi):	49.5	
Stress Rating:	**45.4%**	Pass

Drilled Pier Foundation

BU # : 873633
Site Name: Milford
Order Number: 662911 Rev. 0
TIA-222 Revison: H
Tower Type: Monopole

CROWN CASTLE

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐

Design Options	
Input Effective Depths (else Actual):	☐
Consider non-tapered moment capacity:	☐
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Applied Loads		
	Comp.	**Uplift**
Moment (kip-ft)	2173	
Axial Force (kips)	34	
Shear Force (kips)	22	

Material Properties			Rebar 2, Fy Override (ksi)	Rebar 3, Fy Override (ksi)
Concrete Strength, f'c:	3	ksi		
Rebar Strength, Fy:	60	ksi		
Tie Yield Strength, Fyt:	40	ksi		

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

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

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	6.57	-
Soil Safety Factor	4.19	-
Max Moment (kip-ft)	2292.97	-
Rating*	*30.3%*	-
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)	210.64	-
Rating*	*20.6%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	6.63	-
Critical Moment (kip-ft)	2292.94	-
Critical Moment Capacity	5804.16	-
Rating*	*37.6%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	18.69	-
Critical Shear (kip)	262.74	-
Critical Shear Capacity	564.48	-
Rating*	*44.3%*	-

Structural Foundation Rating*	**44.3%**
Soil Interaction Rating*	**30.3%**

*Rating per TIA-222-H Section 15.5

Soil Profile

Groundwater Depth: N/A

\# of Layers: 2

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (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

CROWN CASTLE

BU # :	873633
Site Name:	Milford
App. Number:	662911 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, $\mathbf{P_{comp}}$:	34.33	kips
Base Shear, Vu_comp:	21.98	kips
Moment, $\mathbf{M_u}$:	2172.65	ft-kips
Tower Height, **H**:	133	ft
BP Dist. Above Fdn, $\mathbf{bp_{dist}}$:	3.5	in

Foundation Analysis Checks

	Capacity	**Demand**	**Rating***	**Check**
Lateral (Sliding) (kips)	245.56	21.98	**8.5%**	**Pass**
Bearing Pressure (ksf)	8.03	1.87	**22.2%**	**Pass**
*Overturning (kip*ft)*	5228.46	2343.91	**44.8%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	7554.93	2271.56	**28.6%**	**Pass**
Pier Compression (kip)	23390.64	74.02	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	4940.35	740.82	**14.3%**	**Pass**
Pad Shear - 1-way (kips)	715.56	122.41	**16.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.024	**14.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	6626.53	1362.94	**19.6%**	**Pass**

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

Structural Rating*:	**28.6%**
Soil Rating*:	**44.8%**

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, $\mathbf{cc_{pier}}$:	3	in

Pad Properties

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

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	100	pcf
Ultimate Net Bearing, Qnet:	10.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, $\mathbf{N_{blows}}$:	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

Version 5.0.2

EXHIBIT F

Mount Analysis Report

verizon✓

Colliers Engineering & Design

Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, CT P.C.
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Stamford, CT 06901
203.324.0800
peter.albano@collierseng.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10209520
Colliers Engineering & Design Project #: 21777052

October 26, 2023

Site Information	*Site ID:*	*5000386209-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*

FUZE ID # 16231891

Analysis Results

Platform: **55.1% Pass w/ Modifications***

***Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements**:*
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Grant Walters

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED
PROFESSIONAL ENGINEER

11/01/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 674969, dated July 25, 2023*
Mount Mapping Report	*Level-Up Towers, Site ID: 873633, dated February 17, 2021*
Previous Mount Analysis	*Colliers Engineering & Design, Project #: 21777052, Dated August 22, 2023*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777052 Dated May 4, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
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:	0.202 g
	S_1:	0.053 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
112.50	113.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6413-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4461d-13A	
		1	Raycap	RVZDC-6627-PF-48	
		6	Antel	LPA-80090-4CF-EDIN	Retained

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

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design 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 Colliers Engineering & Design 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 in accordance with the NSTD-446 Standard, 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. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:

Channel, Solid Round, Angle, Plate	ASTM A36 (Gr. 36)
HSS (Rectangular)	ASTM 500 (Gr. B-46)
Pipe	ASTM A53 (Gr. B-35)
Threaded Rod	F1554 (Gr. 36)
Bolts	ASTM A325

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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	11.9 %	Pass
Standoff Horizontal	39.2 %	Pass
Platform Crossmember	22.6 %	Pass
P2.5 Mount Pipe	13.6 %	Pass
Mount Pipe	23.9 %	Pass
Corner Plate	20.2 %	Pass
Grating Support	14.6 %	Pass
Cross Arm Plate	55.1 %	Pass
Support Rail	9.3 %	Pass
Support Rail Conner	16.3 %	Pass
Mount Connection	48.1 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**55.1%**

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	24.4	24.4	42.3	42.3
0.5	31.9	31.9	56.9	56.9
1	38.7	38.8	71.0	71.0

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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

Attachments:

1. **Contractor Required PMI Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Modification Drawings
4. Mount Photos
5. Mount Mapping Report (for reference only)
6. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com
For additional questions and support, please reach out to pmisupport@colliersengineering.com

---

MDG #: 5000386209 SMART Project #: 10209520 Fuze Project ID: 16231891

Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is 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. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: **https://pmi.vzwsmart.com**

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount 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 the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.

  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.
    - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
  - Photos that show the model number of each antenna and piece of equipment installed per sector.
  - Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
  - Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
  - Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
  - If the materials are as specified on the drawings
    - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
    - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
  - If seeking permission to use an equivalent
    - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & Equipment Placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Comments:

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

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

Issue:

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Comments:

Certifying Individual:

Company:

Employee Name:

Contact Phone:

Email:

Date:

Structure: 50003 620 -VZW - MILFORD 3 CT

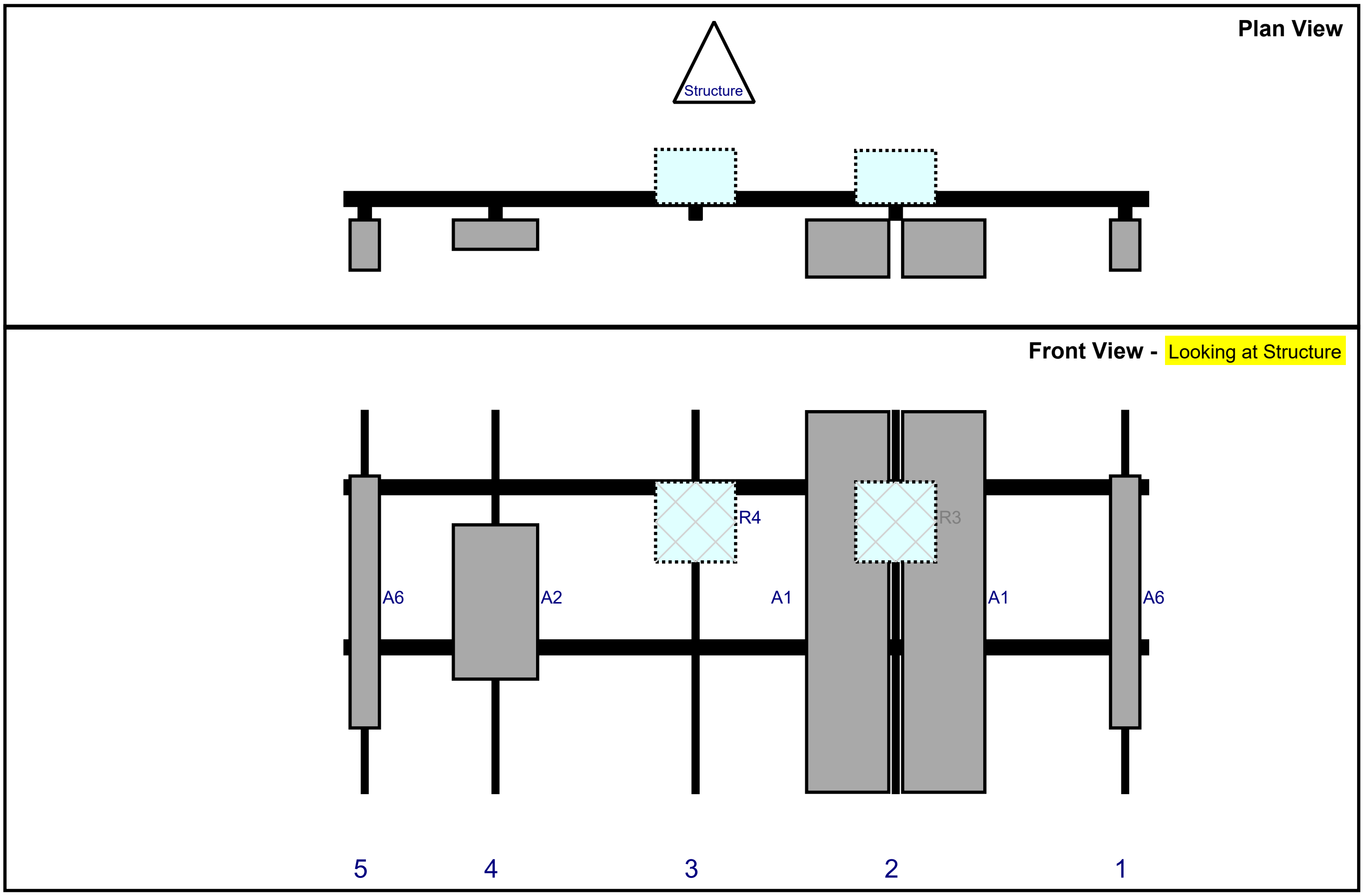
Sector: **A**

10/26/2023

Structure Type: Monopole

10209520

Mount Elev: 112.50



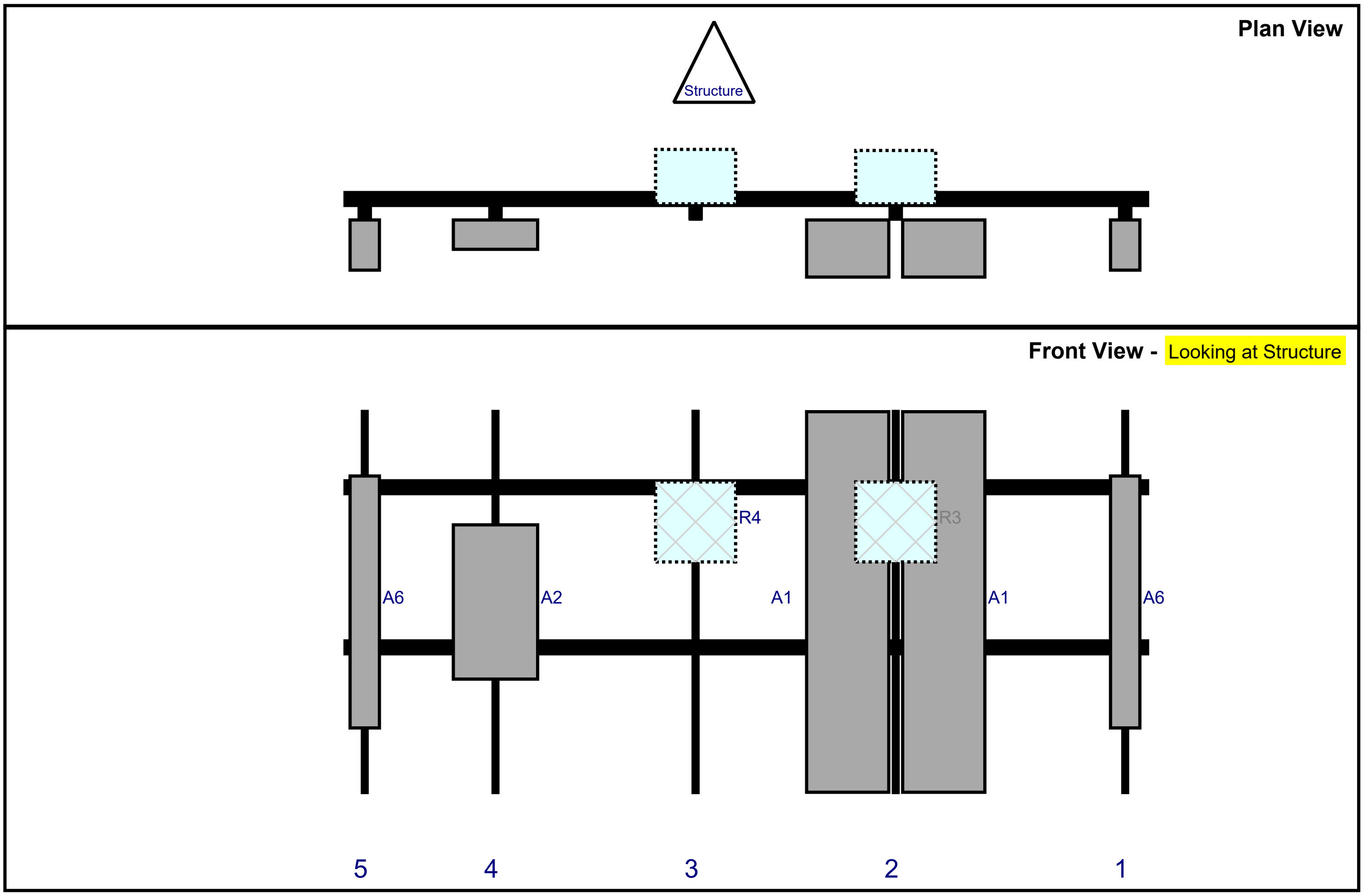
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA80090/4CF	47.2	5.5	146.5	1	a	Front	36	0	Retained	02/17/2021
A1	MX06FRO660-03	71.3	15.4	103.5	2	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	103.5	2	b	Front	36	-9	Added	
R3	RF4439d-25A	15	15	103.5	2	a	Behind	21	0	Added	
R4	RF4461d-13A	15	15	66	3	a	Behind	21	0	Added	
A2	MT6413-77A	28.9	15.8	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
M107	RVZDC-6627-PF-48	28.9	15.7		Member					Added	

Sector: **B**

Structure Type: Monopole

Mount Elev: 112.50

10209520



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
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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	RF4439d-25A	15	15	103.5	2	a	Behind	21	0	Added	
R4	RF4461d-13A	15	15	66	3	a	Behind	21	0	Added	
A2	MT6413-77A	28.9	15.8	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

Structure: 50003 620 -VZW - MILFORD 3 CT

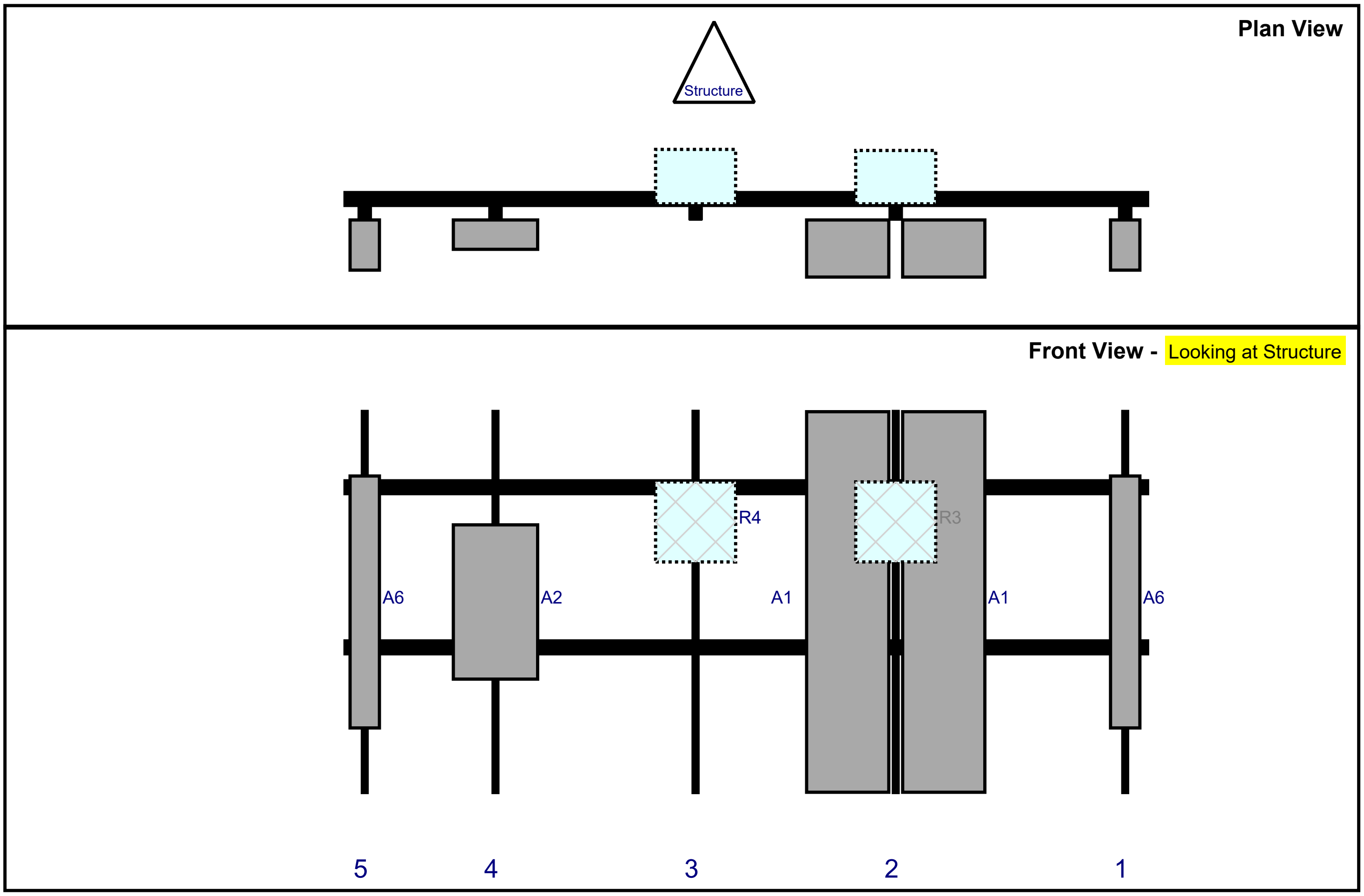
Sector: **C**

Structure Type: Monopole

Mount Elev: 112.50

10209520

10/26/2023



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	RF4439d-25A	15	15	103.5	2	a	Behind	21	0	Added	
R4	RF4461d-13A	15	15	66	3	a	Behind	21	0	Added	
A2	MT6413-77A	28.9	15.8	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

PROJECT NOTES

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

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MOUNT MODIFICATION DRAWINGS
EXISTING 12.58' PLATFORM

SITE NAME: MILFORD 3 CT
SITE NUMBER: 467612

10 BONA ST
MILFORD, CT 06461
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.220083° N
LONGITUDE:	73.077389° W
JURISDICTION:	NEW HAVEN COUNTY

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY:	MASER CONSULTING CONNECTICUT
CONTACT:	PETER ALBANO
PHONE:	(856) 797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

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

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10061730
VZW LOCATION CODE (PSLC):	467612
FUZE ID:	16231891

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10037830
MASER CONSULTING CT PROJECT #:	21777052A
ANALYSIS DATE:	4/2/2021

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SCALE : AS SHOWN
JOB NUMBER : 21777052A

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0	5/4/2021	ISSUED FOR CONSTRUCTION	FAC	ASN
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32588
MASER CONSULTING
C.T. C.O.A #: JPC.0000131

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SITE NAME:

MILFORD 3 CT
467612

10 BONA ST
MILFORD, CT 06461
NEW HAVEN COUNTY

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

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
TITLE SHEET

SHEET NUMBER :
T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET	
15		VZWSMART-MSK1	CROSSOVER PLATE	
3		VZWSMART-MSK2	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	156" LONG P2.5 STD PIPE	GALVANIZED
1	-	-	36" LONG P2.0 STD PIPE	GALVANIZED
3	-	-	18" LONG, L3X3X1/4 ANGLE	GALVANZIED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE WITH SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING CT FOR APPROVAL OF SUBSTITUTION
3	-	-	72" LONG, P2.5 STD PIPE	GALVANIZED

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

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

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JOB NUMBER : 21777052A

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2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : BILL OF MATERIALS

SHEET NUMBER : S-1

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

- a. BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH
- b. EXPOSURE CATEGORY C
- c. TOPOGRAPHIC CATEGORY 1
- d. MEAN BASE ELEVATION (AMSL) = 69.27'

ICE LOADS

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

SEISMIC LOADS

- a. SEISMIC DESIGN CATEGORY B
- b. SHORT TERM MCER GROUND MOTION, S_S = .203
- c. LONG TERM MCER GROUND MOTION, S_1 = .053

STRUCTURAL STEEL

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

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

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
    - a. SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENGINEERING.COM
    - b. PROVIDE MASER CONSULTING CT PROJECT # AND MASER CONSULTING CT PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

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467612

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NEW HAVEN COUNTY

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

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MODIFICATION NOTES

SHEET NUMBER :
S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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MODIFICATION INSPECTION NOTES

MI CHECKLIST

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

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

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

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

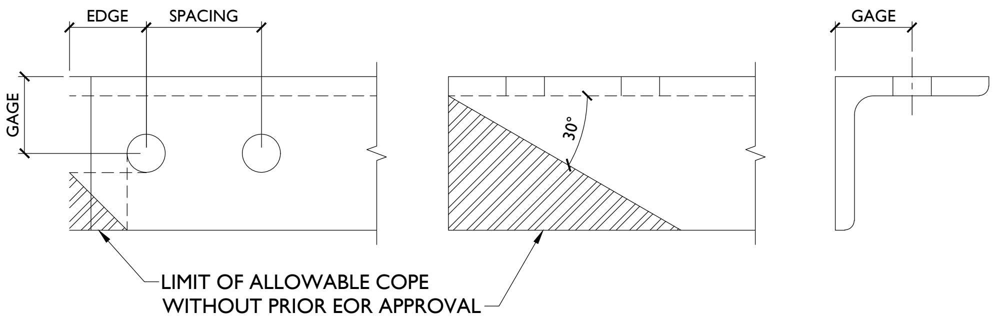
REQUIRED PHOTOS

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

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

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

ALLOWABLE COPING

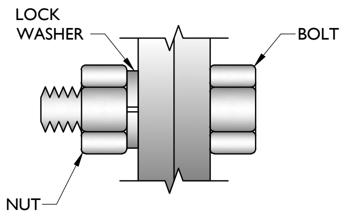


BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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



TYP. BOLT ASSEMBLY

NOTES:

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

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SCALE : AS SHOWN
JOB NUMBER : 21777052A

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32588
MASER CONSULTING
C.T. C.O.A #: JPC.0000131

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467612

10 BONA ST
MILFORD, CT 06461
NEW HAVEN COUNTY

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

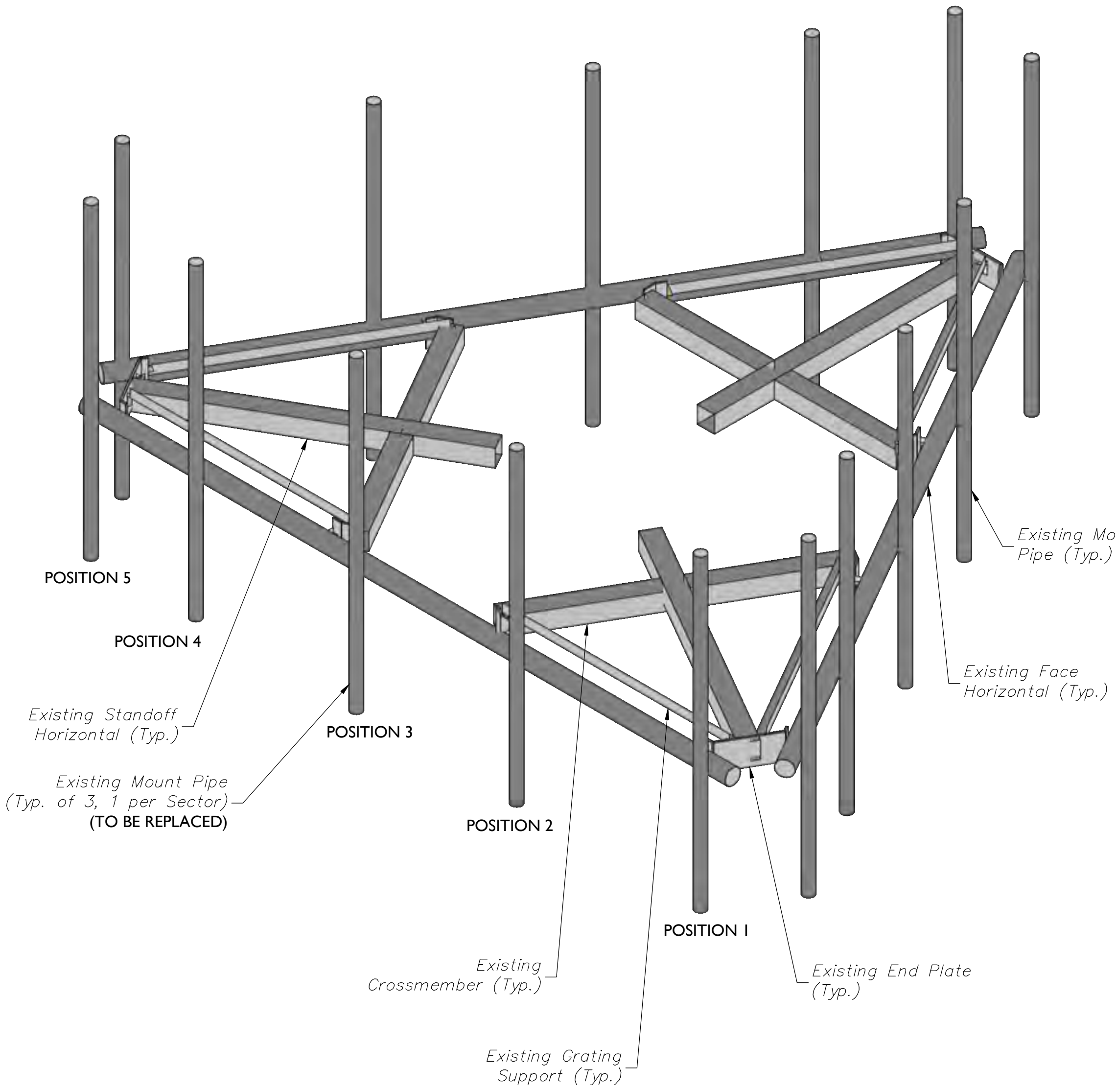
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MODIFICATION NOTES

SHEET NUMBER : S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

\AcPublish_18620\MILFORD 3 CT.Mount MOD.dwg\S-3 By: FCENTONE



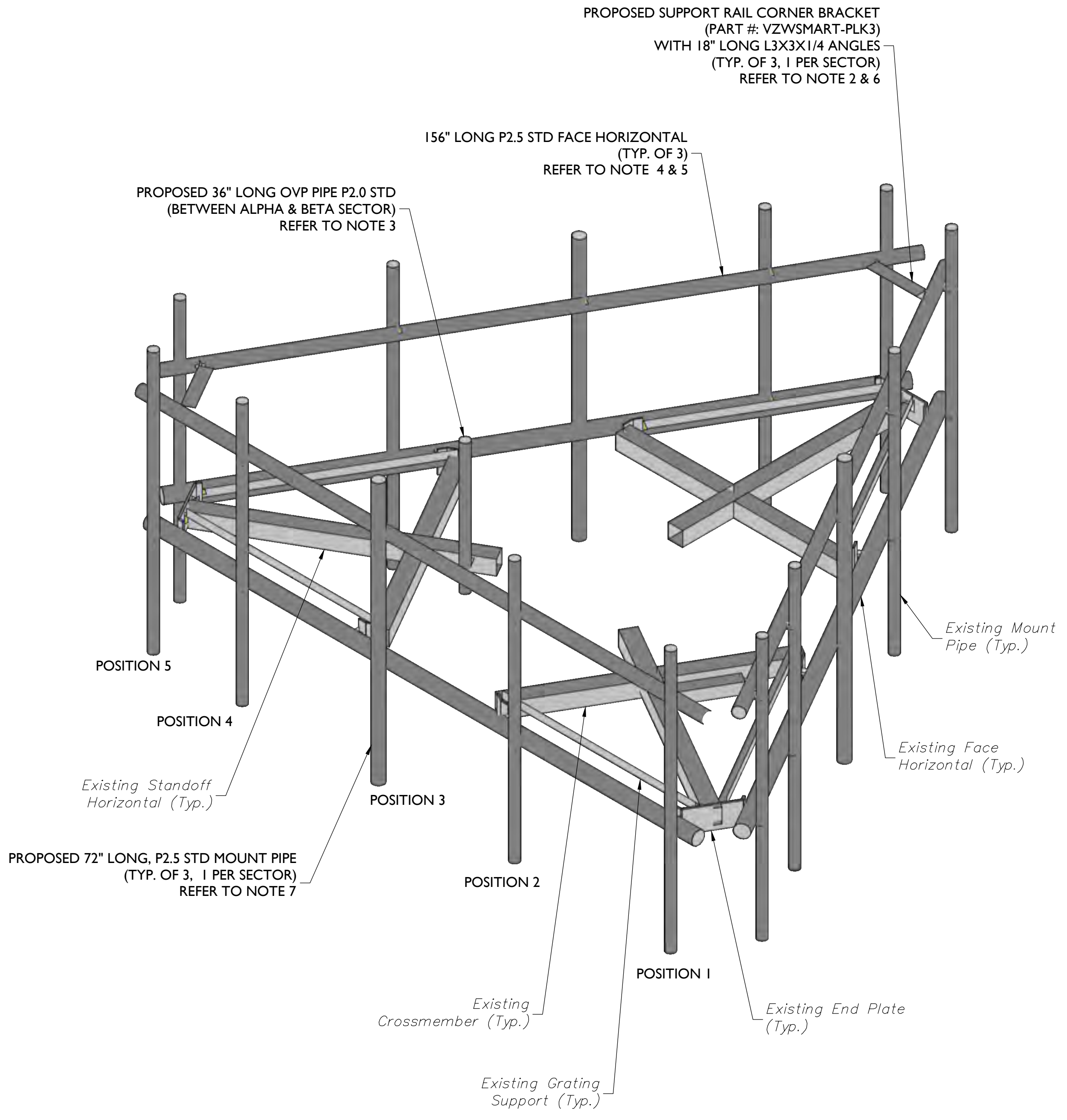
1

EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY LEVEL-UP TOWERS ON 2/17/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (112'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



2

PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
4. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
5. CONNECT NEW HORIZONTAL TO ALL VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
6. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
7. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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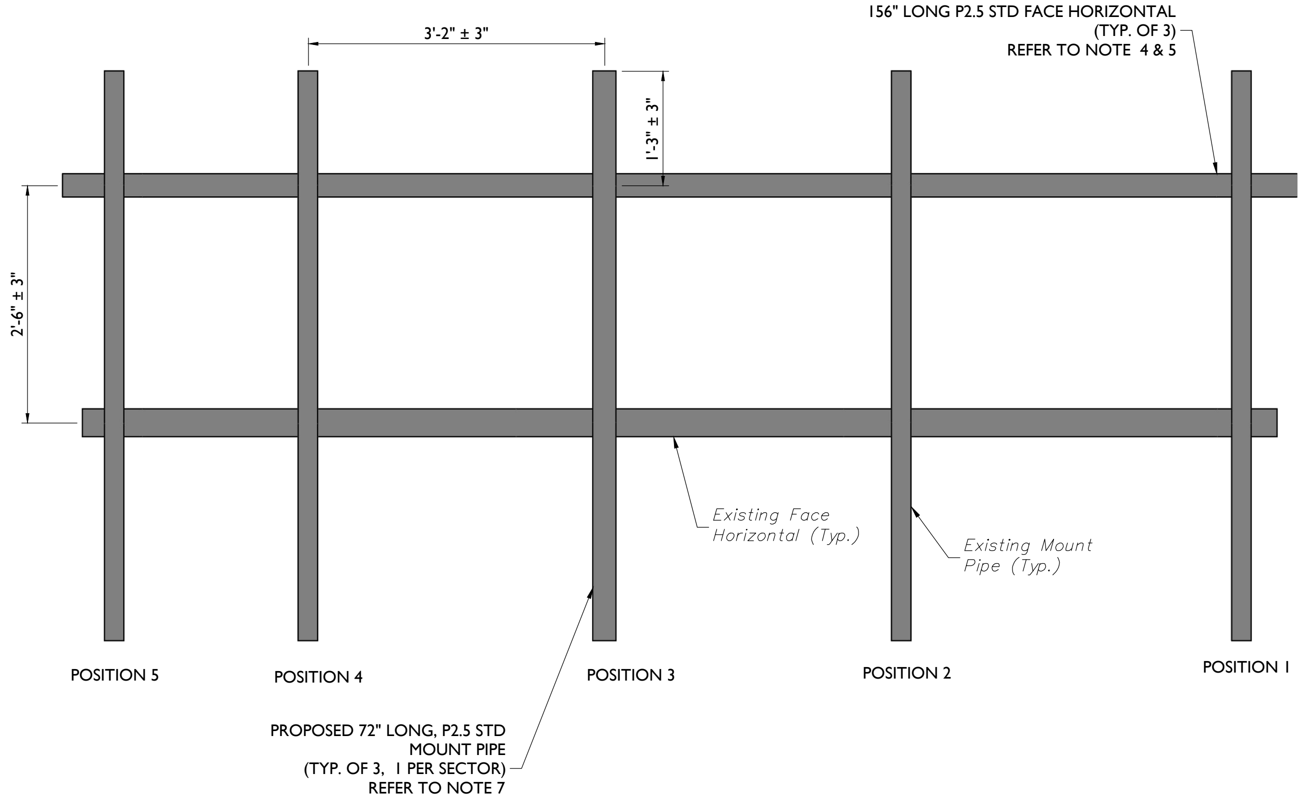
Fax: 856.722.1120

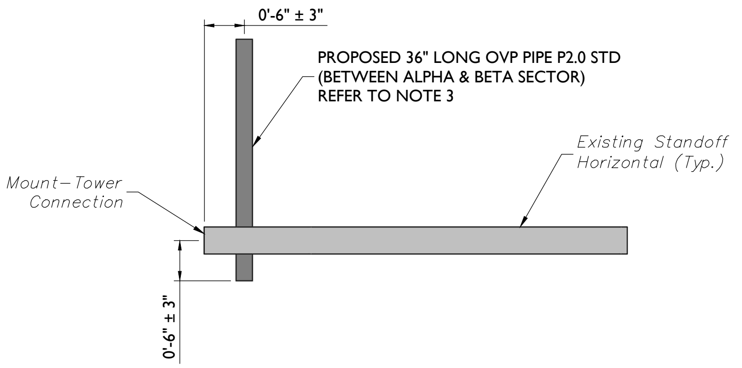
SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-4



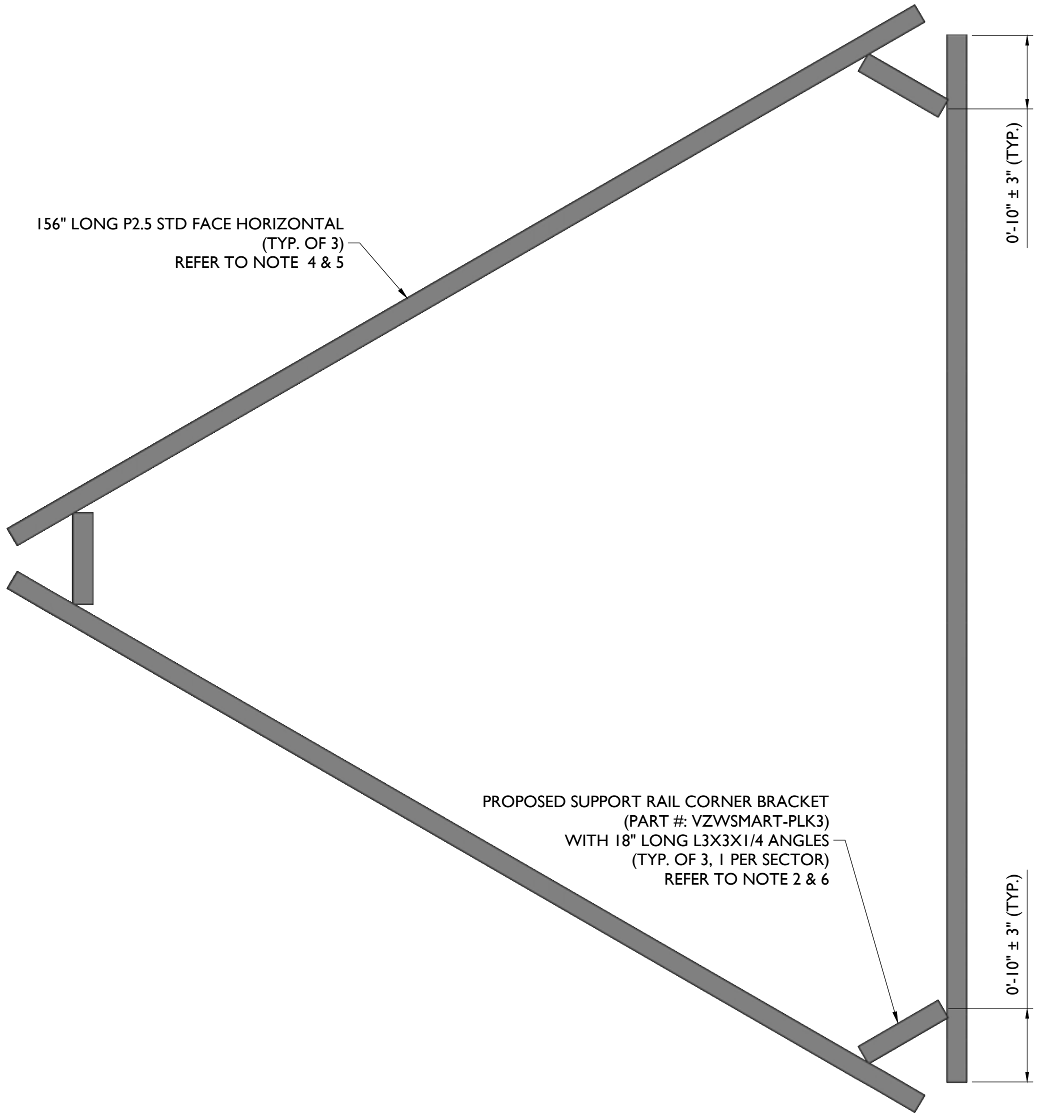
1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION

SCALE : N.T.S.



3 PROPOSED PLAN VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
4. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
5. CONNECT NEW HORIZONTAL TO ALL VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
6. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
7. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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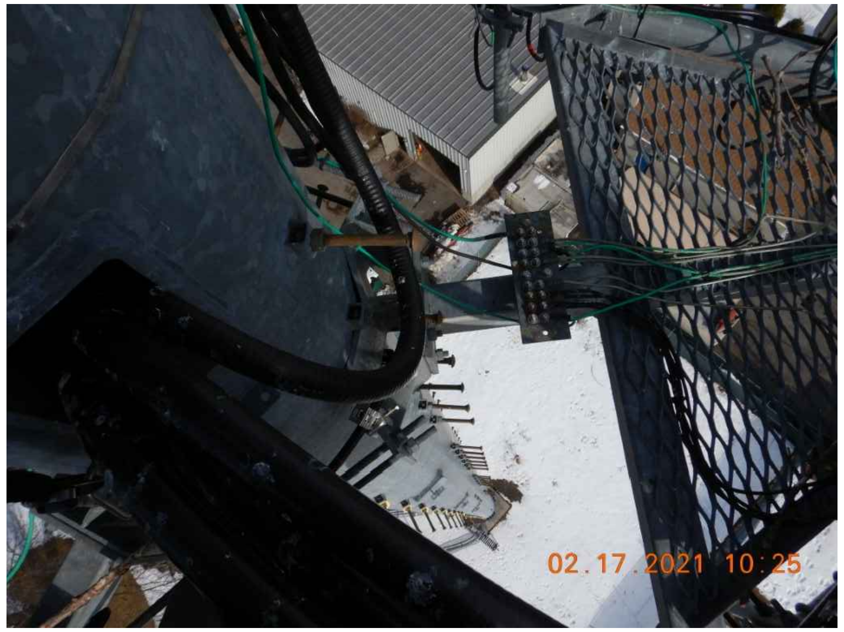
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-5

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3



MOUNT PHOTO 4

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

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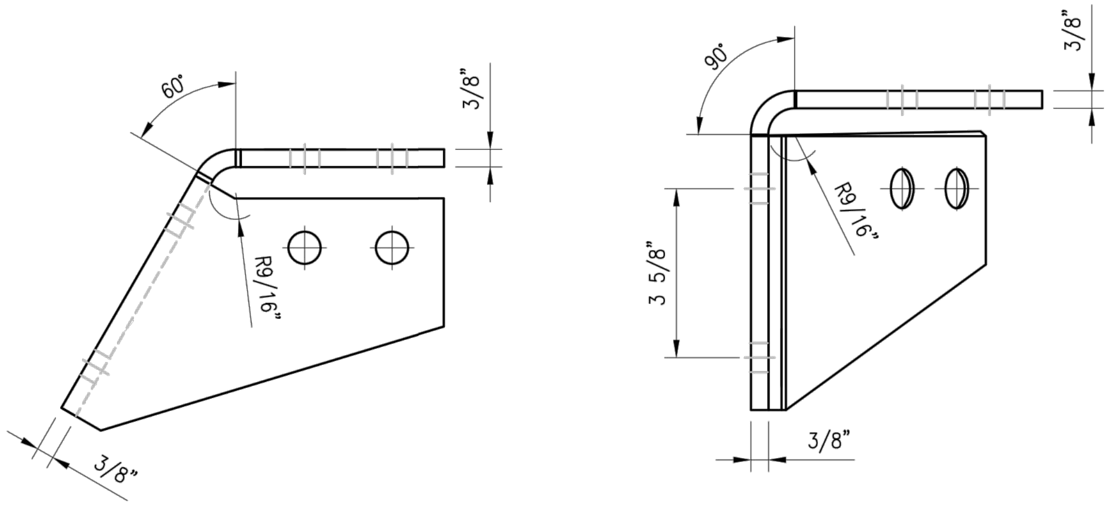
SHEET TITLE :
MOUNT PHOTOS

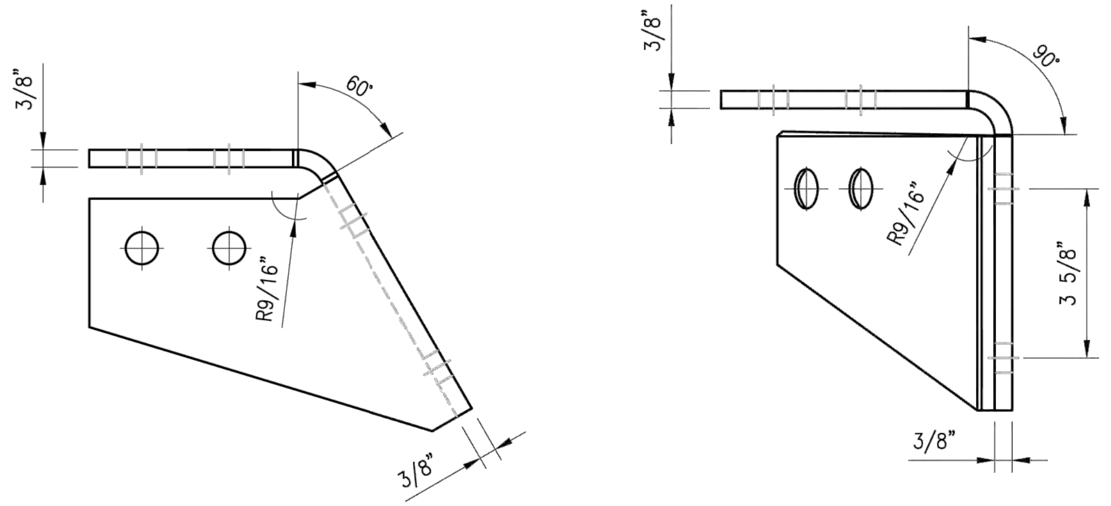
SHEET NUMBER :
S-6



TOP VIEW

SIDE VIEW

CBP-L



TOP VIEW

SIDE VIEW

CBP-R

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

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

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

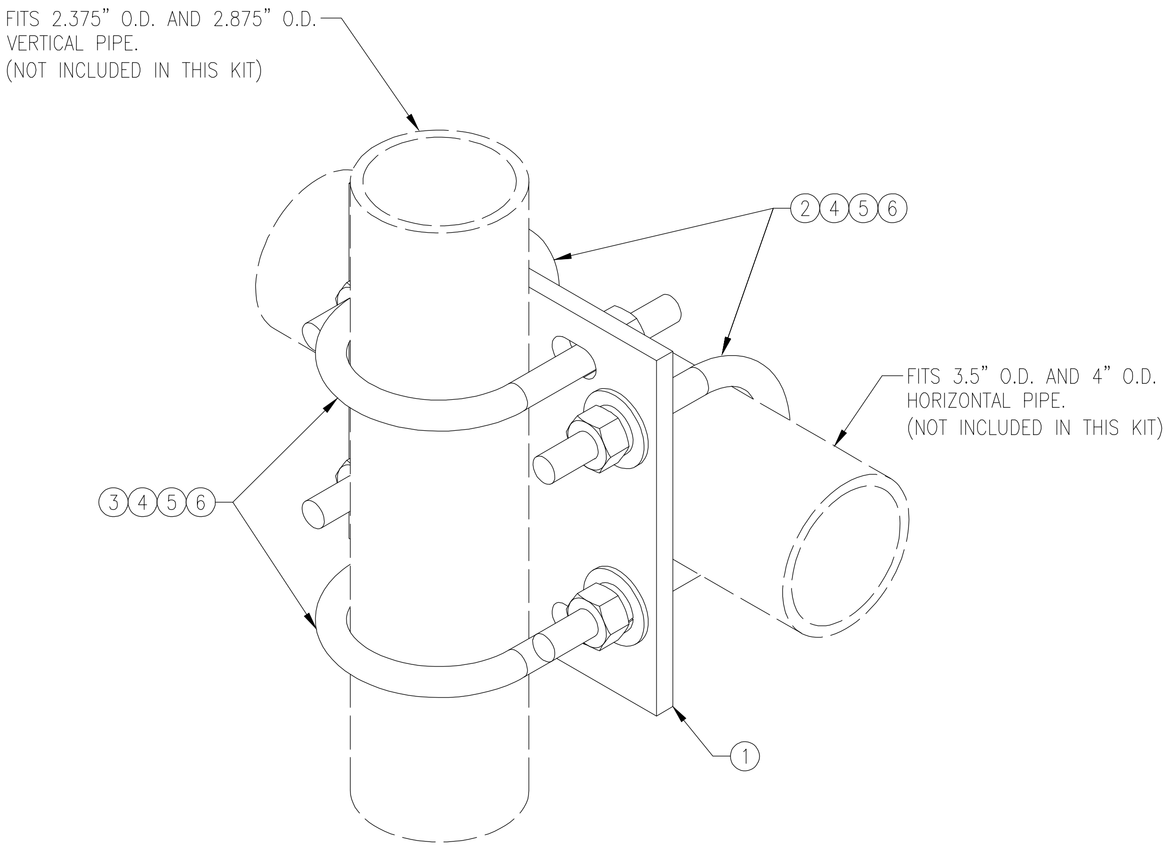
VzW SMART Tool© Vendor

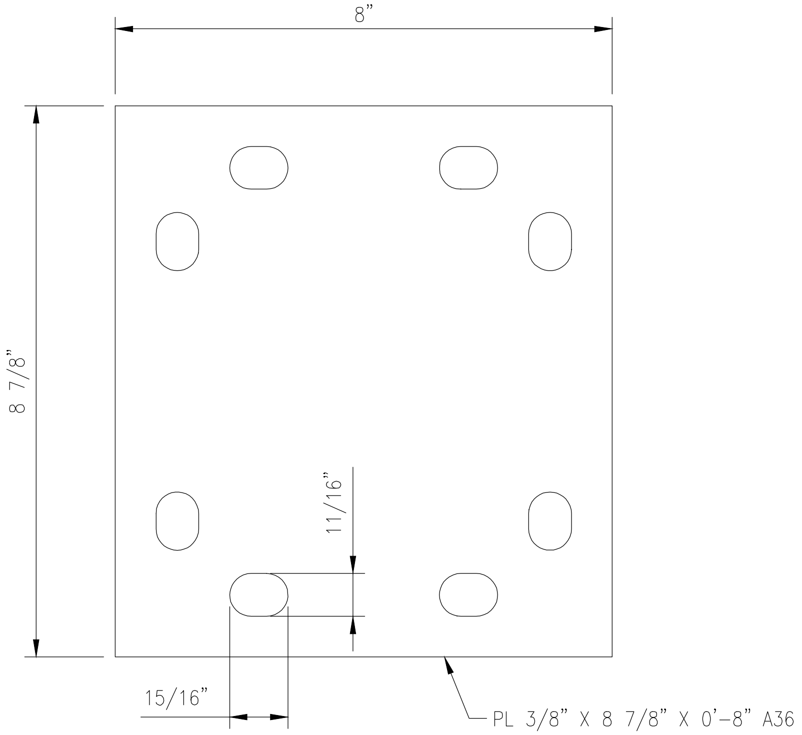
DRAWN BY: H.R
CHECKED BY: HMA

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

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER
BRACKET

SHEET NUMBER: VZWSMART-PLK3
REV #: 0





PL375-88758

NOTES:

1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK2 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

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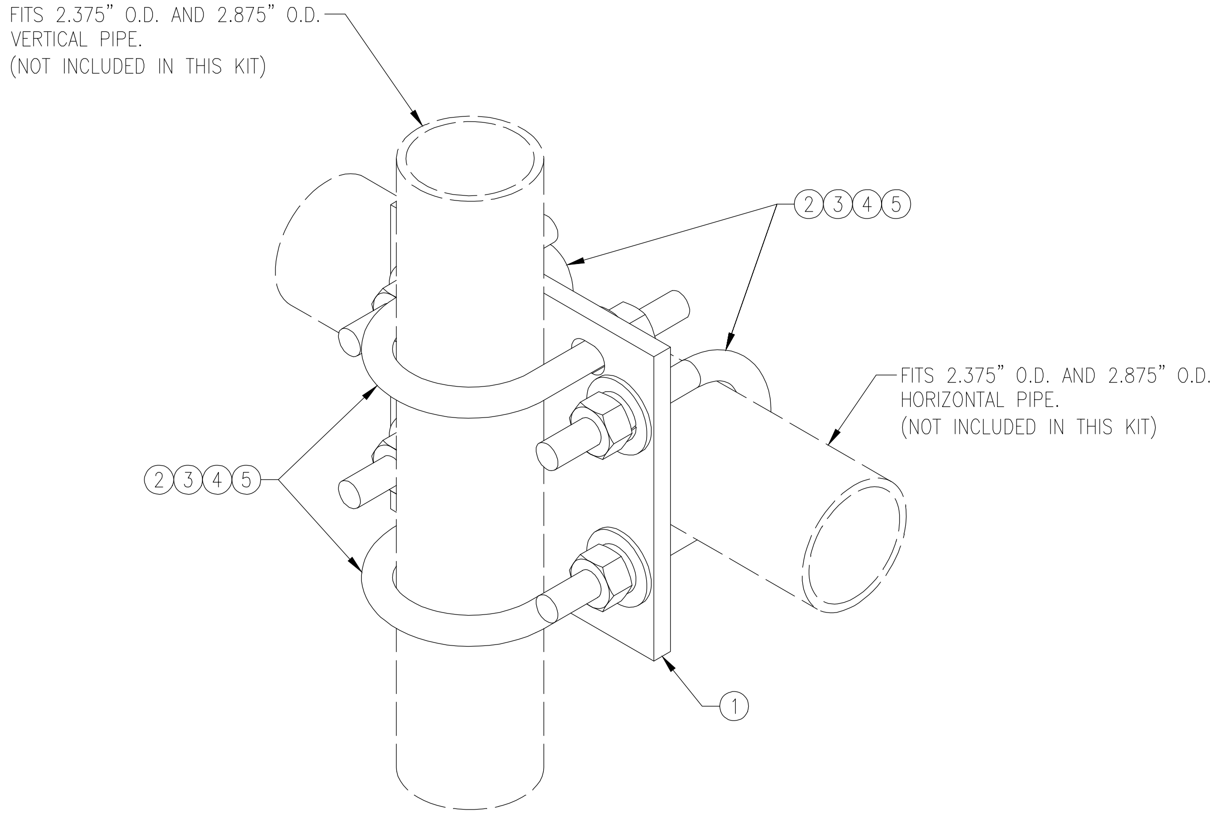
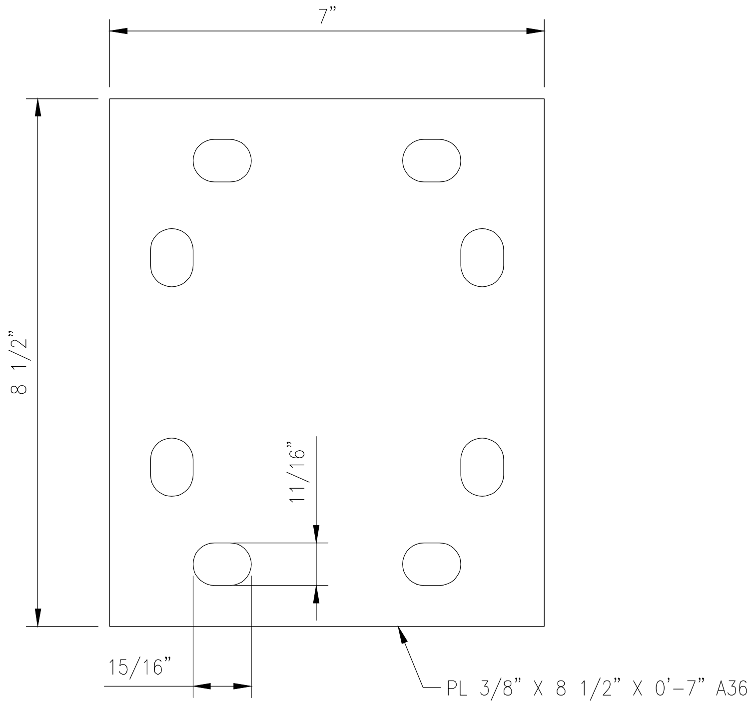
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK2
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK2
REV #: 0





PL375-857

NOTES:

1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK1 (CROSSOVER PLATE)

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

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CHECKED BY: HMA

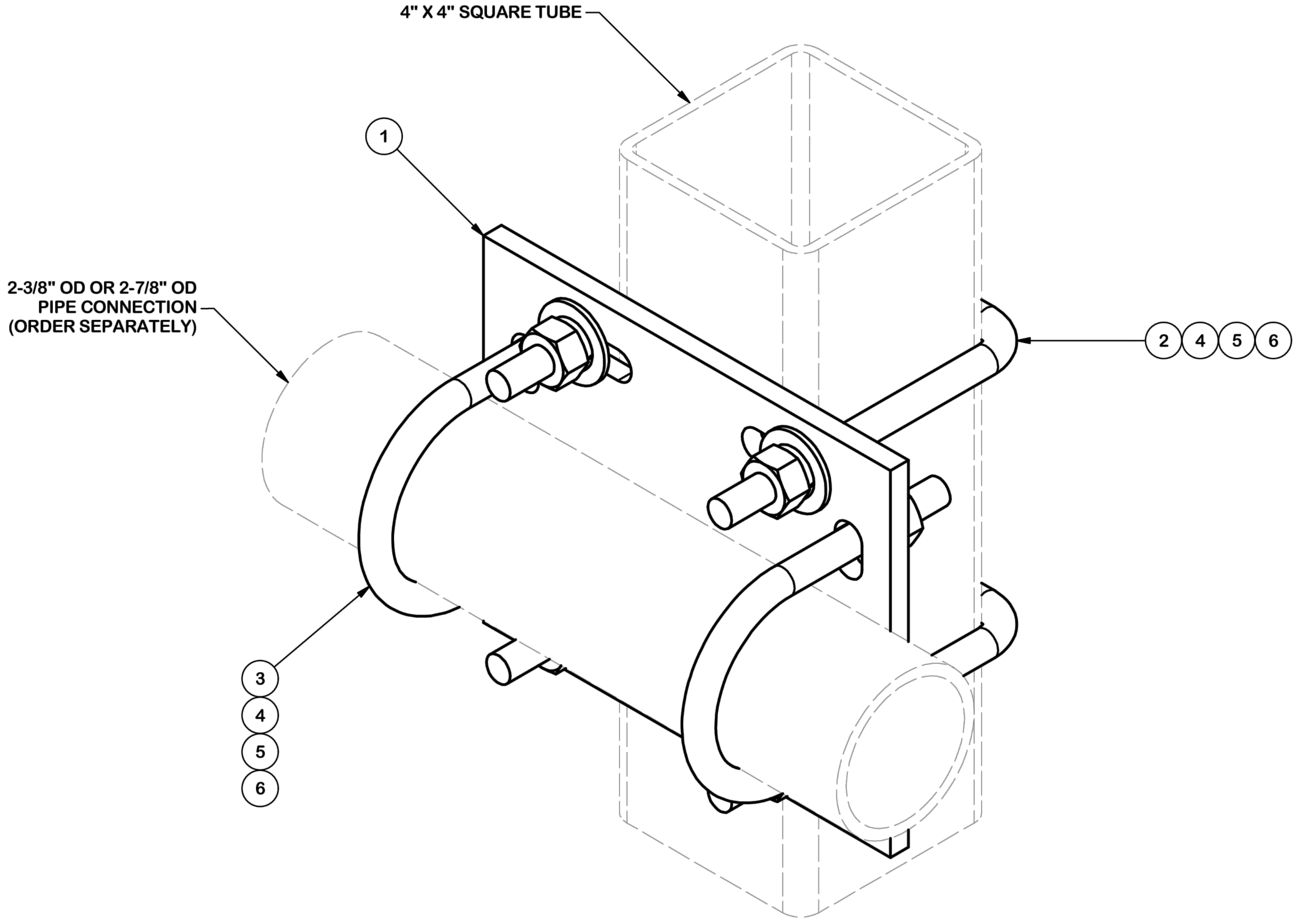
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1
REV #: 0

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



TOLERANCE NOTES

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

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

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A valmont COMPANY
Engineering
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Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.		DRAWN BY	ENG. APPROVAL
		CSL 9/18/2018	3RD PARTY
CLASS	SUB	DRAWING USAGE	CHECKED BY
87	02	CUSTOMER	BMC 11/12/2018

PART NO.
SQCX4-K

DWG. NO.
SQCX4-K

PAGE
1 OF 1


02.17.2021 10:18

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

MASER CONSULTING P.A.

Tower Owner:	CROWN CASTLE	**Mapping Date:**	2.17.21	**FCC #**
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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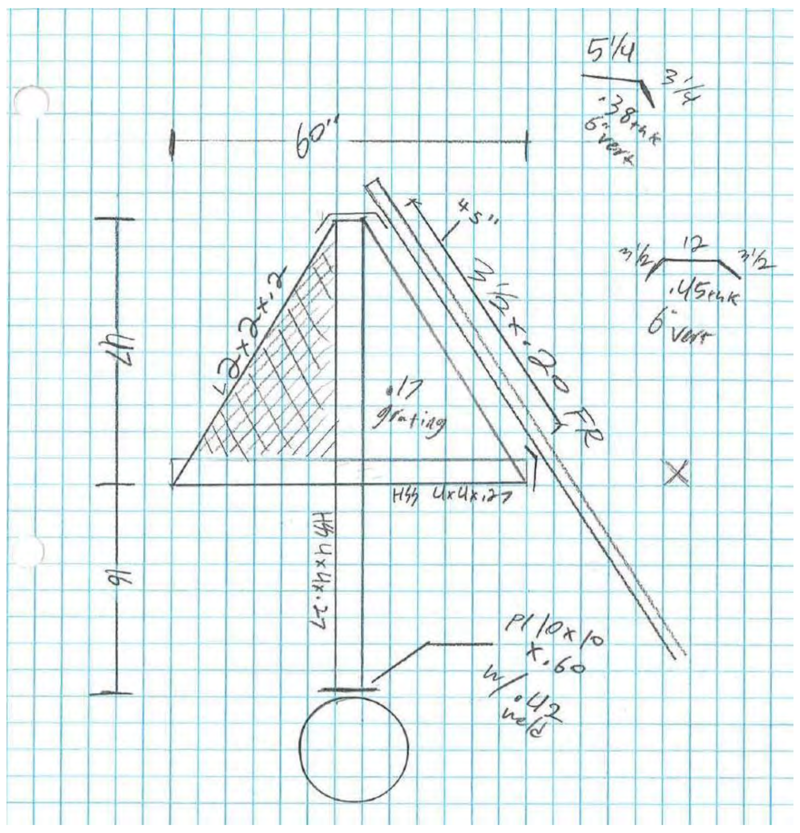


Mount Pipe Configuration and Geometries [Unit = Inches]

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. :

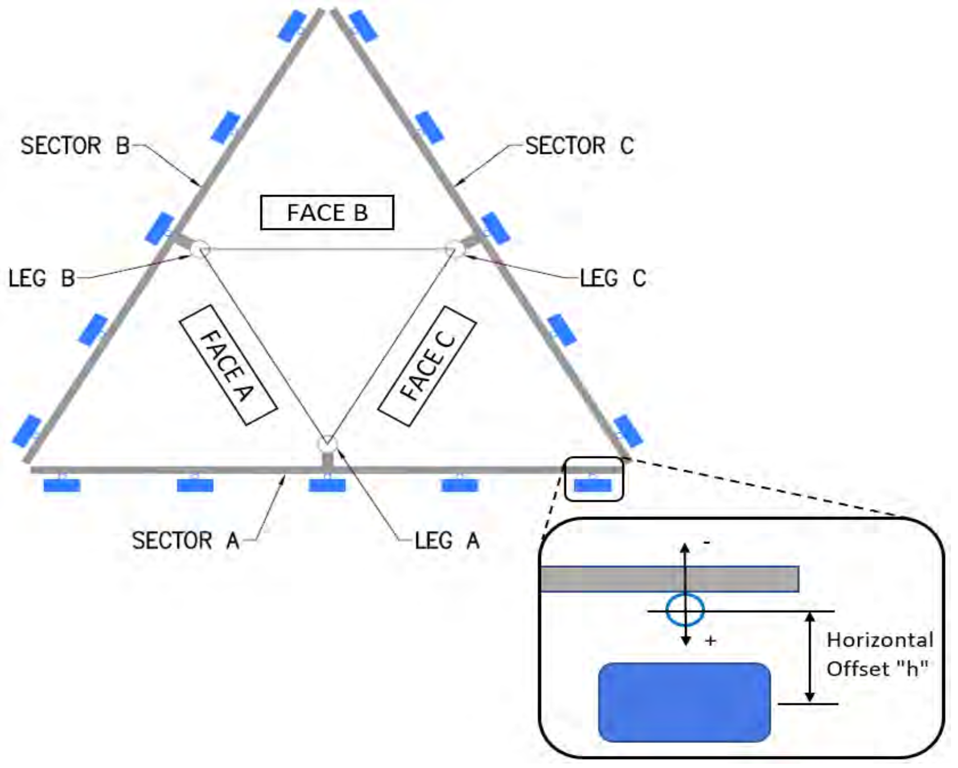
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :

Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :

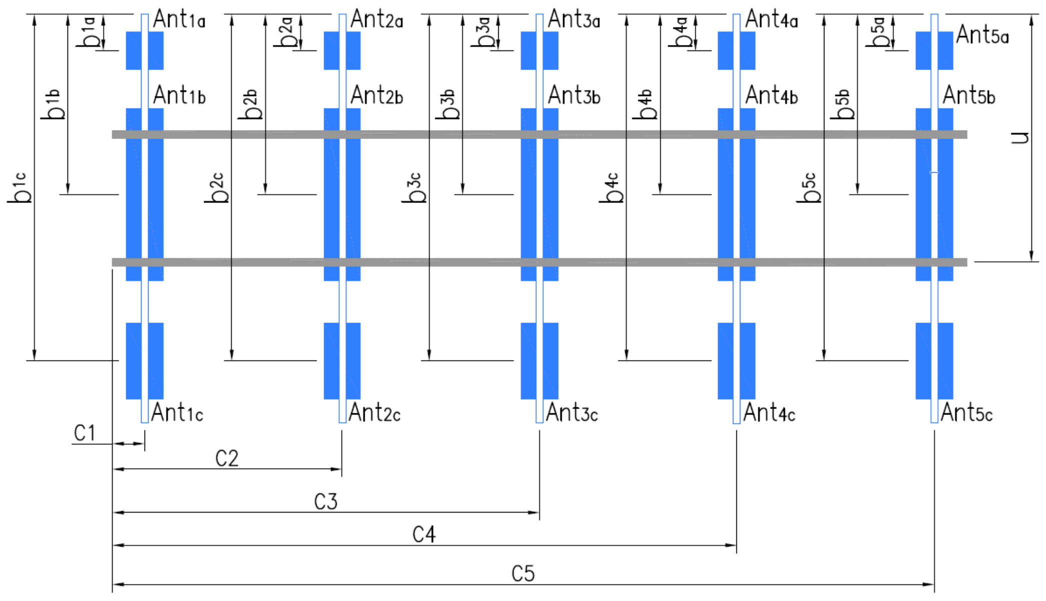
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):

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



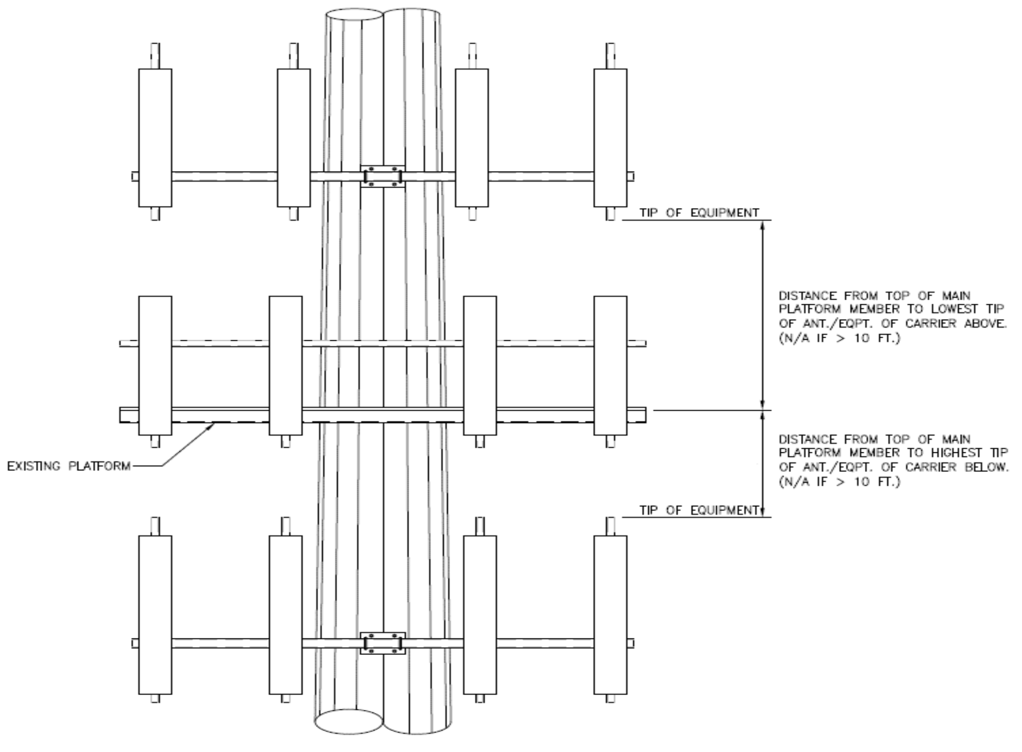
Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (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										

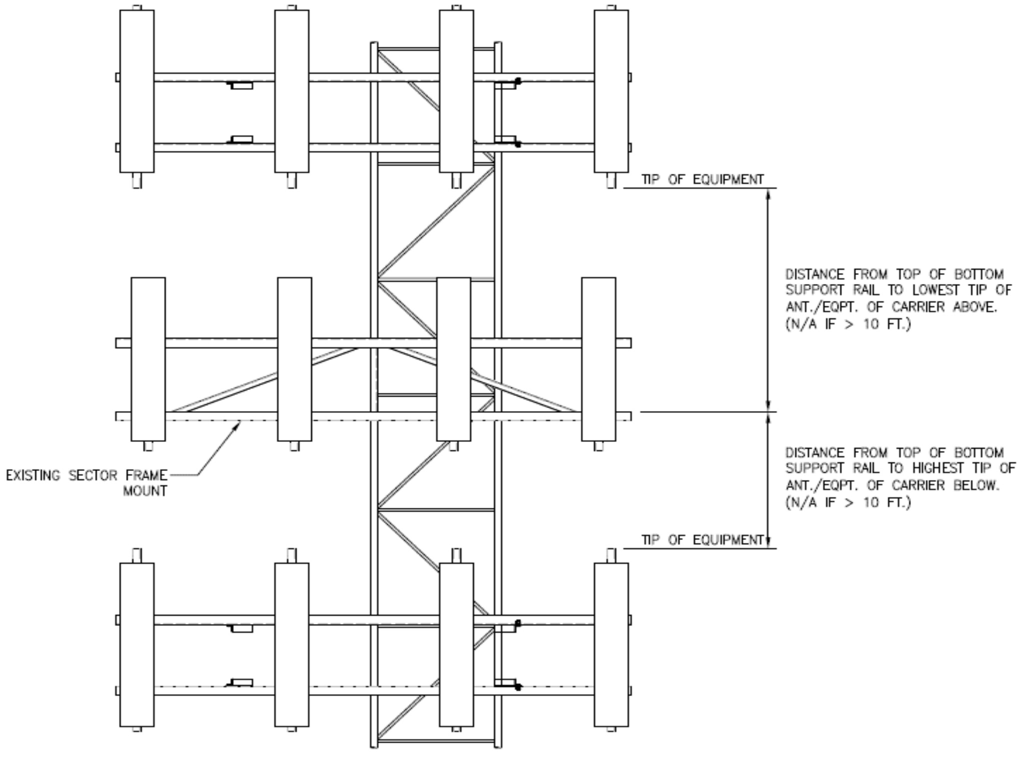


Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	25.00	Deg	Leg A:		Deg
Sector B:	145.00	Deg	Leg B:		Deg
Sector C:	265.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	Face	Deg	Sector A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Missing safety cable.





Sector B										
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
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	145.00	244
Ant$_{2c}$	DIPLEXER	6.00	1.50	8.00	(2) 1 5/8	120.875	22.00	-4.00		244
Ant$_{3a}$	RRH 2X40-AWS	12.00	9.00	25.00	FIBER	121.208	18.00	-6.00		247
Ant$_{3b}$	BXA-171063-8BF-EDIN	6.00	4.00	48.00	(2) 1/2	119.958	33.00	8.00	145.00	247
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.

V3.0 Updated on 8-31-2020

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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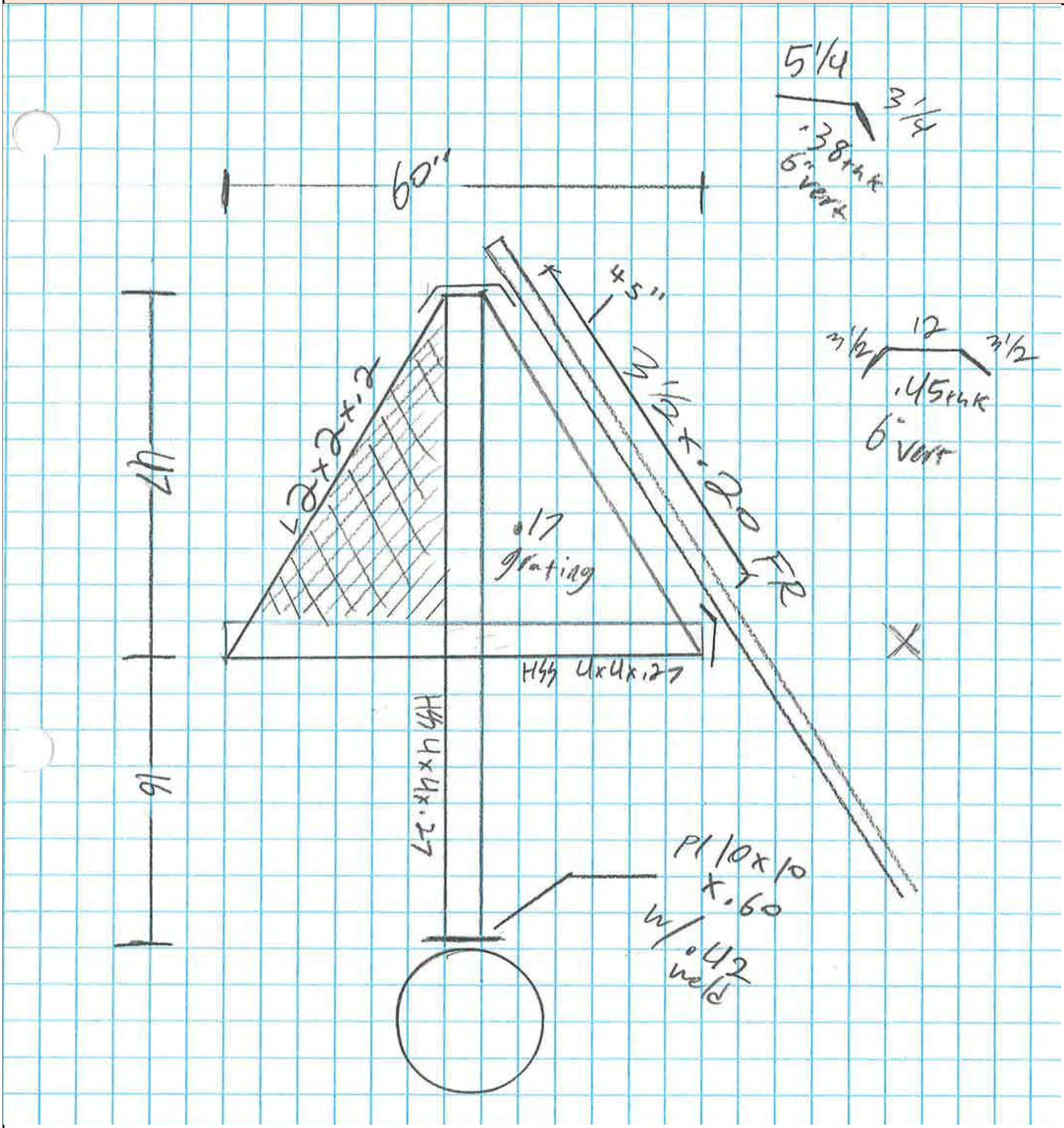
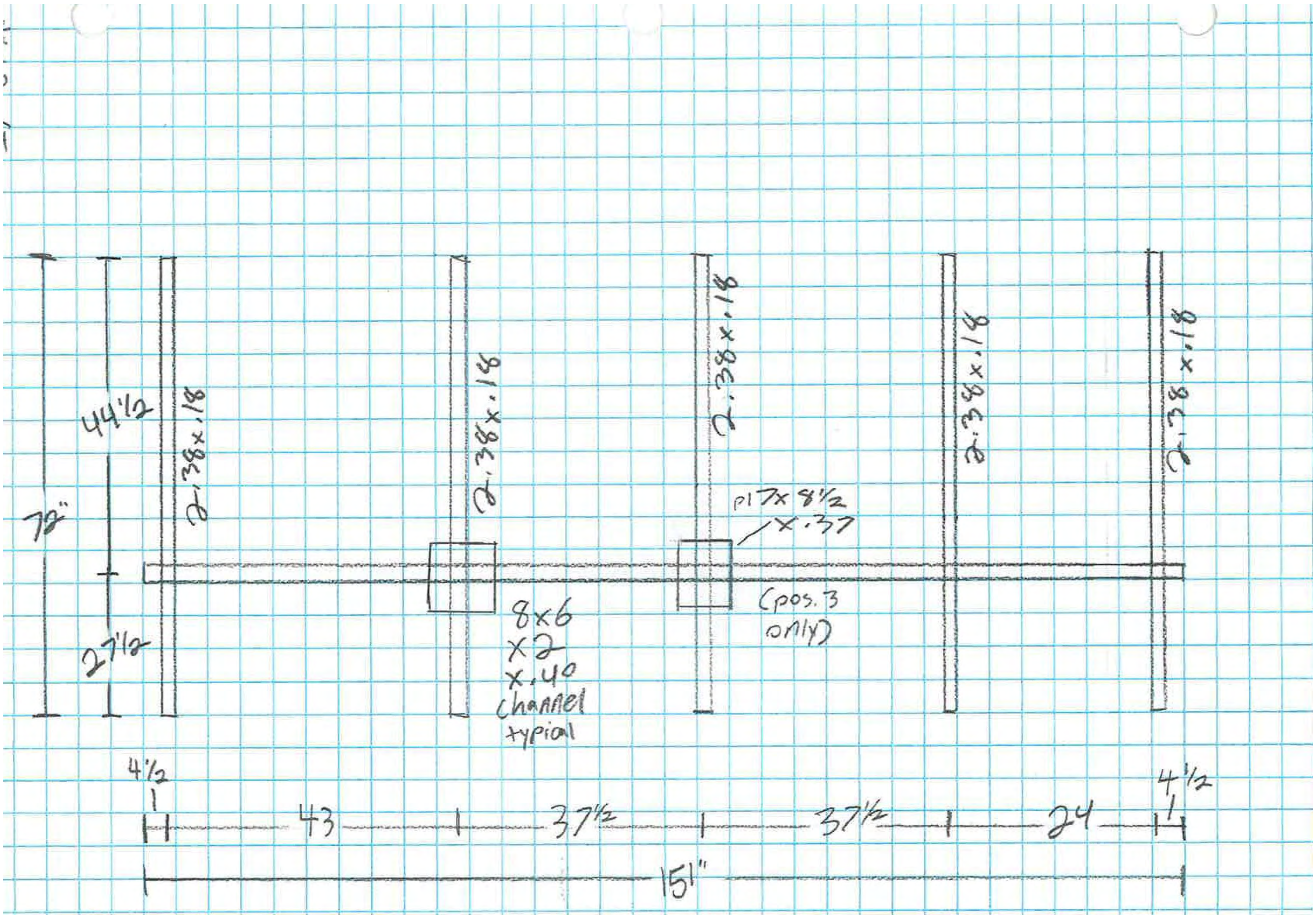
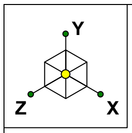
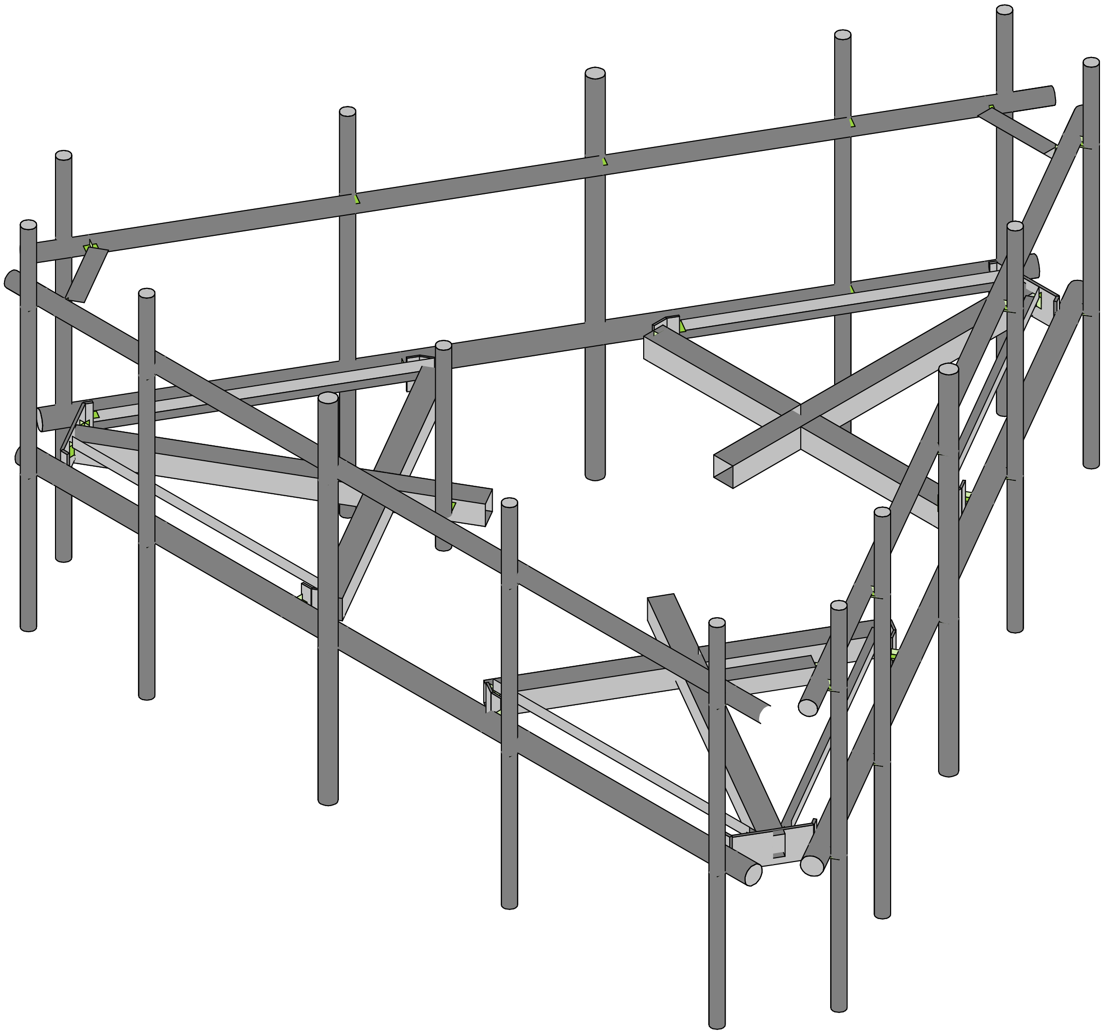
Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd



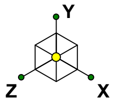




SK - 1

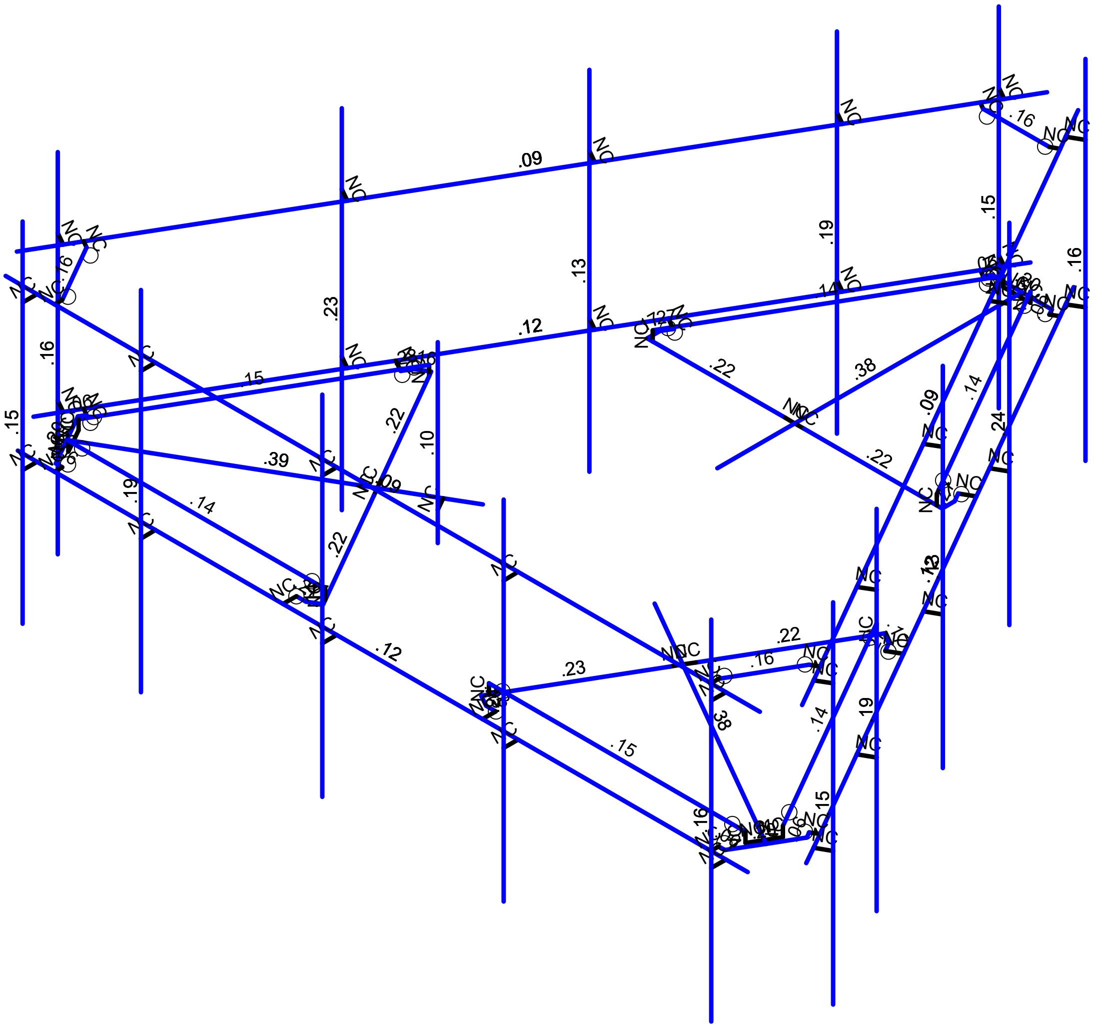
Oct 26, 2023 at 2:48 PM

5000386209-VZW_MT_LO_H.r3d



Code Check
(Env)

■ No Calc
🟥 > 1.0
🟪 .90-1.0
🟩 .75-.90
🟦 .50-.75
🟦 0.-.50

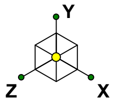


Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

SK - 2

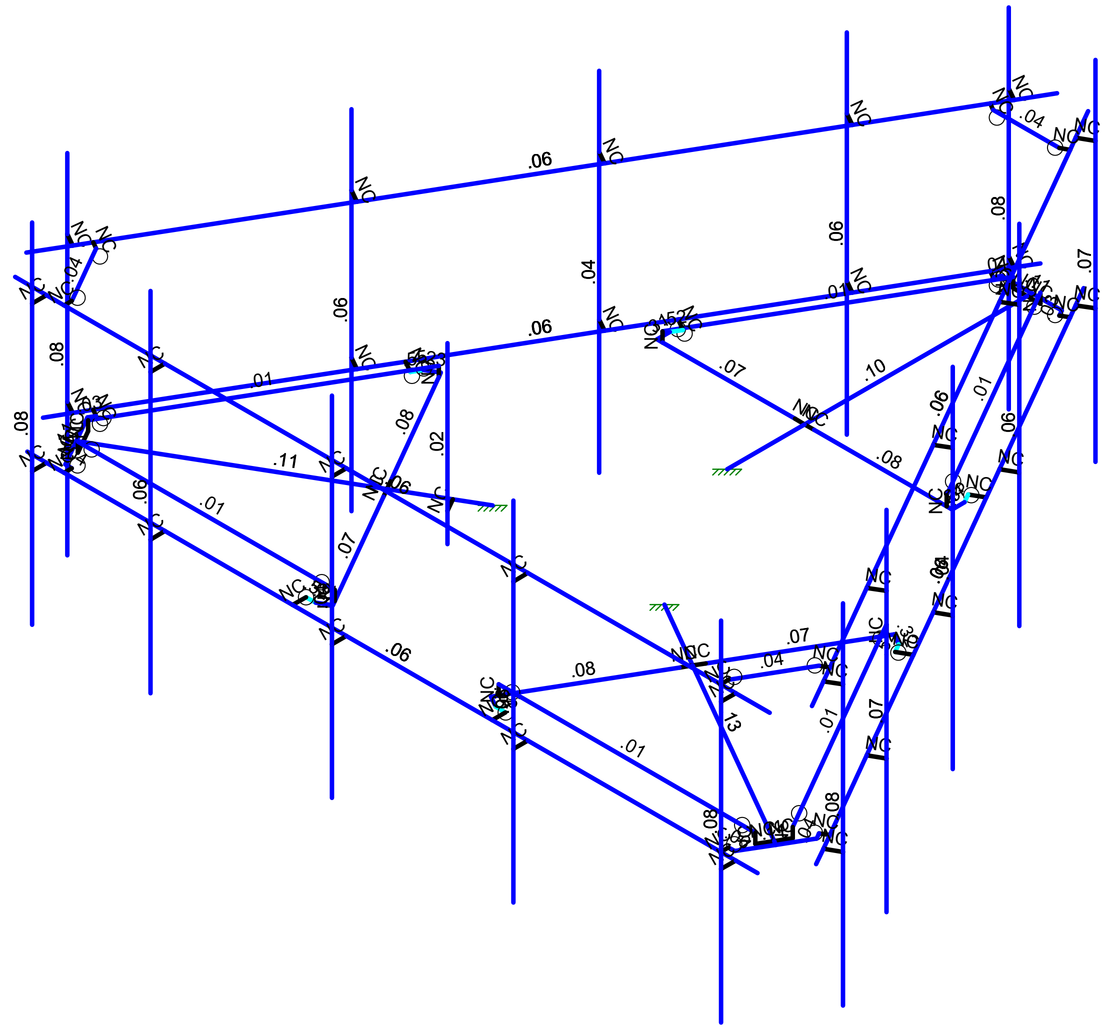
Oct 26, 2023 at 2:48 PM

5000386209-VZW_MT_LO_H.r3d



Shear Check
(Env)

■	No Calc
🟥	> 1.0
🟪	.90-1.0
🟩	.75-.90
🟦	.50-.75
🟦	0.-.50



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

		SK - 3
		Oct 26, 2023 at 2:48 PM
		5000386209-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
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					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 Deg)	None						122		
46	Structure Wo (150 Deg)	None						122		
47	Structure Wo (180 Deg)	None						122		
48	Structure Wo (210 Deg)	None						122		
49	Structure Wo (240 Deg)	None						122		
50	Structure Wo (270 Deg)	None						122		
51	Structure Wo (300 Deg)	None						122		
52	Structure Wo (330 Deg)	None						122		
53	Structure Wi (0 Deg)	None						122		
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 Deg)	None						122		
58	Structure Wi (150 Deg)	None						122		
59	Structure Wi (180 Deg)	None						122		
60	Structure Wi (210 Deg)	None						122		
61	Structure Wi (240 Deg)	None						122		
62	Structure Wi (270 Deg)	None						122		
63	Structure Wi (300 Deg)	None						122		
64	Structure Wi (330 Deg)	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 Deg)	None						122		
67	Structure Wm (60 Deg)	None						122		
68	Structure Wm (90 Deg)	None						122		
69	Structure Wm (120 Deg)	None						122		
70	Structure Wm (150 Deg)	None						122		
71	Structure Wm (180 Deg)	None						122		
72	Structure Wm (210 Deg)	None						122		
73	Structure Wm (240 Deg)	None						122		
74	Structure Wm (270 Deg)	None						122		
75	Structure Wm (300 Deg)	None						122		
76	Structure Wm (330 Deg)	None						122		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					111			
82	Antenna Eh (0 Deg)	None					74			
83	Antenna Eh (90 Deg)	None					74			
84	Structure Ev	ELY		-.043					3	
85	Structure Eh (0 Deg)	ELZ			-.108				3	
86	Structure Eh (90 Deg)	ELX	.108						3	
87	BLC 39 Transient Area Loads	None						30		
88	BLC 40 Transient Area Loads	None						30		
89	BLC 84 Transient Area Loads	None						30		
90	BLC 85 Transient Area Loads	None						30		
91	BLC 86 Transient Area Loads	None						30		

Load Combinations

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 D...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 D...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 D...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
75	0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	E...	.866	E...	-.5				

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	
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	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
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	
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	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
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	
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	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
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	
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 ...	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 (/1...	Density[k/ft^3]	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 Horizontal	Beam	SquareTube	Q235	Typical
3	M10	N101	N103A			Platform Crossme...	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
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 Crossme...	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 Horizontal	Beam	SquareTube	Q235	Typical
35	M37	N58	N60			Platform Crossme...	Beam	SquareTube	Q235	Typical
36	M38	N59	N54			Platform Crossme...	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

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
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 Horizontal	Beam	SquareTube	Q235	Typical
59	M61	N87	N89A			Platform Crossme...	Beam	SquareTube	Q235	Typical
60	M62	N88	N83			Platform Crossme...	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
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

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
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 Conner	Beam	Single Angle	A36 Gr.36	Typical
116	M118	N159	N160		180	Support Rail Conner	Beam	Single Angle	A36 Gr.36	Typical
117	M119	N163	N164		180	Support Rail Conner	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
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

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	A...	Inactive	Seismic ...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M51B	OOOOOX	OOOOOX				Yes	Default			None
15	M52B	OOOOOX	OOOOOX				Yes	Default			None
16	M52						Yes	** NA **			None
17	M58						Yes	** NA **			None
18	M59						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	A...	Inactive	Seismic ...
19	M76						Yes	** NA **			None
20	M77						Yes	** NA **			None
21	M79		BenPIN				Yes	** NA **			None
22	M80						Yes				None
23	M83		BenPIN				Yes	** NA **			None
24	M84						Yes	** NA **			None
25	M85						Yes	** NA **			None
26	M88		BenPIN				Yes	** NA **			None
27	M91						Yes				None
28	M92		BenPIN				Yes	** NA **			None
29	M50						Yes	** NA **			None
30	M51						Yes	** NA **			None
31	M51A						Yes	** NA **			None
32	M52A						Yes	** NA **			None
33	M52C						Yes	** NA **			None
34	M36						Yes				None
35	M37						Yes	Default			None
36	M38						Yes	Default			None
37	M39						Yes	Default			None
38	M40	OOOOOX	OOOOOX				Yes	Default			None
39	M41	OOOOOX	OOOOOX				Yes	Default			None
40	M42						Yes	** NA **			None
41	M43A						Yes	** NA **			None
42	M44						Yes	** NA **			None
43	M45						Yes	** NA **			None
44	M46A						Yes	** NA **			None
45	M47		BenPIN				Yes	** NA **			None
46	M48						Yes				None
47	M49		BenPIN				Yes	** NA **			None
48	M50A						Yes	** NA **			None
49	M51C						Yes	** NA **			None
50	M52D		BenPIN				Yes	** NA **			None
51	M53						Yes				None
52	M54		BenPIN				Yes	** NA **			None
53	M55						Yes	** NA **			None
54	M56						Yes	** NA **			None
55	M57						Yes	** NA **			None
56	M58A						Yes	** NA **			None
57	M59A						Yes	** NA **			None
58	M60						Yes				None
59	M61						Yes	Default			None
60	M62						Yes	Default			None
61	M63						Yes	Default			None
62	M64	OOOOOX	OOOOOX				Yes	Default			None
63	M65	OOOOOX	OOOOOX				Yes	Default			None
64	M66						Yes	** NA **			None
65	M67						Yes	** NA **			None
66	M68						Yes	** NA **			None
67	M69						Yes	** NA **			None
68	M70						Yes	** NA **			None
69	M71		BenPIN				Yes	** NA **			None
70	M72						Yes				None
71	M73		BenPIN				Yes	** NA **			None
72	M74						Yes	** NA **			None
73	M75						Yes	** NA **			None
74	M76A		BenPIN				Yes	** NA **			None
75	M77A						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...A...	Inactive	Seismic ...
76	M78		BenPIN				Yes	** NA **		None
77	M79A						Yes	** NA **		None
78	M80A						Yes	** NA **		None
79	M81						Yes	** NA **		None
80	M82						Yes	** NA **		None
81	M83A						Yes	** NA **		None
82	M82A						Yes	Default		None
83	M83B						Yes	Default		None
84	M84A						Yes	** NA **		None
85	MP5A						Yes	** NA **		None
86	M86						Yes	** NA **		None
87	M87						Yes	** NA **		None
88	M88A						Yes	** NA **		None
89	M89						Yes	** NA **		None
90	MP3C						Yes	** NA **		None
91	MP4C						Yes	** NA **		None
92	MP2C						Yes	** NA **		None
93	MP1C						Yes	** NA **		None
94	M94						Yes	** NA **		None
95	MP5C						Yes	** NA **		None
96	M96						Yes	** NA **		None
97	M97						Yes	** NA **		None
98	M98						Yes	** NA **		None
99	M99						Yes	** NA **		None
100	MP3B						Yes	** NA **		None
101	MP4B						Yes	** NA **		None
102	MP2B						Yes	** NA **		None
103	MP1B						Yes	** NA **		None
104	M104						Yes	** NA **		None
105	MP5B						Yes	** NA **		None
106	M106						Yes	** NA **		None
107	M107						Yes	** NA **		None
108	M108						Yes	Default		None
109	M109		OOOOOO				Yes	** NA **		None
110	M110		OOOOOO				Yes	** NA **		None
111	M111		OOOOOO				Yes	** NA **		None
112	M112		OOOOOO				Yes	** NA **		None
113	M113		OOOOOO				Yes	** NA **		None
114	M114		OOOOOO				Yes	** NA **		None
115	M117						Yes	Default		None
116	M118						Yes	Default		None
117	M119						Yes	Default		None
118	M120						Yes	** NA **		None
119	M121						Yes	** NA **		None
120	M122						Yes	** NA **		None
121	M123						Yes	** NA **		None
122	M124						Yes	** NA **		None
123	M125						Yes	** NA **		None
124	M126						Yes	** NA **		None
125	M127						Yes	** NA **		None
126	M128						Yes	** NA **		None
127	M129						Yes	** NA **		None
128	M130						Yes	** NA **		None
129	M131						Yes	** NA **		None
130	M132						Yes	** NA **		None
131	M133						Yes	** NA **		None
132	M134						Yes	** NA **		None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...	A...	Inactive	Seismic ...
133	M133A						Yes	Default			None
134	M134A						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-39	1
2	MP2A	My	-.019	1
3	MP2A	Mz	.029	1
4	MP2A	Y	-39	5
5	MP2A	My	-.019	5
6	MP2A	Mz	.029	5
7	MP2B	Y	-39	1
8	MP2B	My	-.016	1
9	MP2B	Mz	-.032	1
10	MP2B	Y	-39	5
11	MP2B	My	-.016	5
12	MP2B	Mz	-.032	5
13	MP2C	Y	-39	1
14	MP2C	My	.032	1
15	MP2C	Mz	.014	1
16	MP2C	Y	-39	5
17	MP2C	My	.032	5
18	MP2C	Mz	.014	5
19	MP2A	Y	-39	1
20	MP2A	My	-.019	1
21	MP2A	Mz	-.029	1
22	MP2A	Y	-39	5
23	MP2A	My	-.019	5
24	MP2A	Mz	-.029	5
25	MP2B	Y	-39	1
26	MP2B	My	.035	1
27	MP2B	Mz	-.002	1
28	MP2B	Y	-39	5
29	MP2B	My	.035	5
30	MP2B	Mz	-.002	5
31	MP2C	Y	-39	1
32	MP2C	My	-.025	1
33	MP2C	Mz	.024	1
34	MP2C	Y	-39	5
35	MP2C	My	-.025	5
36	MP2C	Mz	.024	5
37	MP4A	Y	-28.65	2
38	MP4A	My	-.014	2
39	MP4A	Mz	0	2
40	MP4A	Y	-28.65	4
41	MP4A	My	-.014	4
42	MP4A	Mz	0	4
43	MP4B	Y	-28.65	2
44	MP4B	My	.007	2
45	MP4B	Mz	-.012	2
46	MP4B	Y	-28.65	4
47	MP4B	My	.007	4
48	MP4B	Mz	-.012	4
49	MP4C	Y	-28.65	2
50	MP4C	My	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mz	.014	2
52	MP4C	Y	-28.65	4
53	MP4C	My	.002	4
54	MP4C	Mz	.014	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	-.021	3
60	MP2B	Mz	.037	3
61	MP2C	Y	-84.4	3
62	MP2C	My	-.007	3
63	MP2C	Mz	-.042	3
64	MP3A	Y	-79.1	3
65	MP3A	My	.04	3
66	MP3A	Mz	0	3
67	MP3B	Y	-79.1	3
68	MP3B	My	-.02	3
69	MP3B	Mz	.034	3
70	MP3C	Y	-79.1	3
71	MP3C	My	-.007	3
72	MP3C	Mz	-.039	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	-.003	1.5
78	MP1A	Mz	0	1.5
79	MP1A	Y	-5.5	4.5
80	MP1A	My	-.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	-.002	1.5
85	MP1B	Y	-5.5	4.5
86	MP1B	My	.001	4.5
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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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	-80.687	1
2	MP2A	My	-.04	1
3	MP2A	Mz	.061	1
4	MP2A	Y	-80.687	5
5	MP2A	My	-.04	5
6	MP2A	Mz	.061	5
7	MP2B	Y	-80.687	1
8	MP2B	My	-.032	1
9	MP2B	Mz	-.065	1
10	MP2B	Y	-80.687	5
11	MP2B	My	-.032	5
12	MP2B	Mz	-.065	5
13	MP2C	Y	-80.687	1
14	MP2C	My	.067	1
15	MP2C	Mz	.029	1
16	MP2C	Y	-80.687	5
17	MP2C	My	.067	5
18	MP2C	Mz	.029	5
19	MP2A	Y	-80.687	1
20	MP2A	My	-.04	1
21	MP2A	Mz	-.061	1
22	MP2A	Y	-80.687	5
23	MP2A	My	-.04	5
24	MP2A	Mz	-.061	5
25	MP2B	Y	-80.687	1
26	MP2B	My	.073	1
27	MP2B	Mz	-.005	1
28	MP2B	Y	-80.687	5
29	MP2B	My	.073	5
30	MP2B	Mz	-.005	5
31	MP2C	Y	-80.687	1
32	MP2C	My	-.053	1
33	MP2C	Mz	.05	1
34	MP2C	Y	-80.687	5
35	MP2C	My	-.053	5
36	MP2C	Mz	.05	5
37	MP4A	Y	-29.114	2
38	MP4A	My	-.015	2
39	MP4A	Mz	0	2
40	MP4A	Y	-29.114	4
41	MP4A	My	-.015	4
42	MP4A	Mz	0	4
43	MP4B	Y	-29.114	2
44	MP4B	My	.007	2
45	MP4B	Mz	-.013	2
46	MP4B	Y	-29.114	4
47	MP4B	My	.007	4
48	MP4B	Mz	-.013	4
49	MP4C	Y	-29.114	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	My	.003	2
51	MP4C	Mz	.014	2
52	MP4C	Y	-29.114	4
53	MP4C	My	.003	4
54	MP4C	Mz	.014	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	-44.334	3
65	MP3A	My	.022	3
66	MP3A	Mz	0	3
67	MP3B	Y	-44.334	3
68	MP3B	My	-.011	3
69	MP3B	Mz	.019	3
70	MP3C	Y	-44.334	3
71	MP3C	My	-.004	3
72	MP3C	Mz	-.022	3
73	M107	Y	-74.245	1.25
74	M107	My	0	1.25
75	M107	Mz	0	1.25
76	MP1A	Y	-31.814	1.5
77	MP1A	My	-.016	1.5
78	MP1A	Mz	0	1.5
79	MP1A	Y	-31.814	4.5
80	MP1A	My	-.016	4.5
81	MP1A	Mz	0	4.5
82	MP1B	Y	-31.814	1.5
83	MP1B	My	.008	1.5
84	MP1B	Mz	-.014	1.5
85	MP1B	Y	-31.814	4.5
86	MP1B	My	.008	4.5
87	MP1B	Mz	-.014	4.5
88	MP1C	Y	-31.814	1.5
89	MP1C	My	.003	1.5
90	MP1C	Mz	.016	1.5
91	MP1C	Y	-31.814	4.5
92	MP1C	My	.003	4.5
93	MP1C	Mz	.016	4.5
94	MP5A	Y	-31.814	1.5
95	MP5A	My	-.016	1.5
96	MP5A	Mz	0	1.5
97	MP5A	Y	-31.814	4.5
98	MP5A	My	-.016	4.5
99	MP5A	Mz	0	4.5
100	MP5B	Y	-31.814	1.5
101	MP5B	My	.008	1.5
102	MP5B	Mz	-.014	1.5
103	MP5B	Y	-31.814	4.5
104	MP5B	My	.008	4.5
105	MP5B	Mz	-.014	4.5
106	MP5C	Y	-31.814	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP5C	My	.003	1.5
108	MP5C	Mz	.016	1.5
109	MP5C	Y	-31.814	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	-96.558	1
3	MP2A	Mx	-.072	1
4	MP2A	X	0	5
5	MP2A	Z	-96.558	5
6	MP2A	Mx	-.072	5
7	MP2B	X	0	1
8	MP2B	Z	-78.338	1
9	MP2B	Mx	.063	1
10	MP2B	X	0	5
11	MP2B	Z	-78.338	5
12	MP2B	Mx	.063	5
13	MP2C	X	0	1
14	MP2C	Z	-72.998	1
15	MP2C	Mx	-.026	1
16	MP2C	X	0	5
17	MP2C	Z	-72.998	5
18	MP2C	Mx	-.026	5
19	MP2A	X	0	1
20	MP2A	Z	-96.558	1
21	MP2A	Mx	.072	1
22	MP2A	X	0	5
23	MP2A	Z	-96.558	5
24	MP2A	Mx	.072	5
25	MP2B	X	0	1
26	MP2B	Z	-78.338	1
27	MP2B	Mx	.005	1
28	MP2B	X	0	5
29	MP2B	Z	-78.338	5
30	MP2B	Mx	.005	5
31	MP2C	X	0	1
32	MP2C	Z	-72.998	1
33	MP2C	Mx	-.045	1
34	MP2C	X	0	5
35	MP2C	Z	-72.998	5
36	MP2C	Mx	-.045	5
37	MP4A	X	0	2
38	MP4A	Z	-77.369	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-77.369	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-41.691	2
45	MP4B	Mx	.018	2
46	MP4B	X	0	4
47	MP4B	Z	-41.691	4
48	MP4B	Mx	.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	X	0	2
50	MP4C	Z	-31.233	2
51	MP4C	Mx	-.015	2
52	MP4C	X	0	4
53	MP4C	Z	-31.233	4
54	MP4C	Mx	-.015	4
55	MP2A	X	0	3
56	MP2A	Z	-63.224	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	-47.622	3
60	MP2B	Mx	-.021	3
61	MP2C	X	0	3
62	MP2C	Z	-43.049	3
63	MP2C	Mx	.021	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	-58.074	3
69	MP3B	Mx	-.025	3
70	MP3C	X	0	3
71	MP3C	Z	-52.739	3
72	MP3C	Mx	.026	3
73	M107	X	0	1.25
74	M107	Z	-121.554	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	-53.28	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	-53.28	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	-75.214	1.5
84	MP1B	Mx	.033	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	-75.214	4.5
87	MP1B	Mx	.033	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	-81.643	1.5
90	MP1C	Mx	-.04	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	-81.643	4.5
93	MP1C	Mx	-.04	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	-53.28	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	-53.28	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	-75.214	1.5
102	MP5B	Mx	.033	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	-75.214	4.5
105	MP5B	Mx	.033	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP5C	X	0	1.5
107	MP5C	Z	-81.643	1.5
108	MP5C	Mx	-.04	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	-81.643	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	45.242	1
2	MP2A	Z	-78.362	1
3	MP2A	Mx	-.081	1
4	MP2A	X	45.242	5
5	MP2A	Z	-78.362	5
6	MP2A	Mx	-.081	5
7	MP2B	X	36.133	1
8	MP2B	Z	-62.584	1
9	MP2B	Mx	.036	1
10	MP2B	X	36.133	5
11	MP2B	Z	-62.584	5
12	MP2B	Mx	.036	5
13	MP2C	X	41.151	1
14	MP2C	Z	-71.276	1
15	MP2C	Mx	.008	1
16	MP2C	X	41.151	5
17	MP2C	Z	-71.276	5
18	MP2C	Mx	.008	5
19	MP2A	X	45.242	1
20	MP2A	Z	-78.362	1
21	MP2A	Mx	.036	1
22	MP2A	X	45.242	5
23	MP2A	Z	-78.362	5
24	MP2A	Mx	.036	5
25	MP2B	X	36.133	1
26	MP2B	Z	-62.584	1
27	MP2B	Mx	.036	1
28	MP2B	X	36.133	5
29	MP2B	Z	-62.584	5
30	MP2B	Mx	.036	5
31	MP2C	X	41.151	1
32	MP2C	Z	-71.276	1
33	MP2C	Mx	-.071	1
34	MP2C	X	41.151	5
35	MP2C	Z	-71.276	5
36	MP2C	Mx	-.071	5
37	MP4A	X	32.738	2
38	MP4A	Z	-56.704	2
39	MP4A	Mx	-.016	2
40	MP4A	X	32.738	4
41	MP4A	Z	-56.704	4
42	MP4A	Mx	-.016	4
43	MP4B	X	14.899	2
44	MP4B	Z	-25.806	2
45	MP4B	Mx	.015	2
46	MP4B	X	14.899	4
47	MP4B	Z	-25.806	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	.015	4
49	MP4C	X	24.727	2
50	MP4C	Z	-42.828	2
51	MP4C	Mx	-.019	2
52	MP4C	X	24.727	4
53	MP4C	Z	-42.828	4
54	MP4C	Mx	-.019	4
55	MP2A	X	29.012	3
56	MP2A	Z	-50.25	3
57	MP2A	Mx	.015	3
58	MP2B	X	21.211	3
59	MP2B	Z	-36.738	3
60	MP2B	Mx	-.021	3
61	MP2C	X	25.508	3
62	MP2C	Z	-44.182	3
63	MP2C	Mx	.02	3
64	MP3A	X	35.105	3
65	MP3A	Z	-60.803	3
66	MP3A	Mx	.018	3
67	MP3B	X	26.003	3
68	MP3B	Z	-45.039	3
69	MP3B	Mx	-.026	3
70	MP3C	X	31.017	3
71	MP3C	Z	-53.724	3
72	MP3C	Mx	.024	3
73	M107	X	53.027	1.25
74	M107	Z	-91.845	1.25
75	M107	Mx	0	1.25
76	MP1A	X	30.296	1.5
77	MP1A	Z	-52.474	1.5
78	MP1A	Mx	-.015	1.5
79	MP1A	X	30.296	4.5
80	MP1A	Z	-52.474	4.5
81	MP1A	Mx	-.015	4.5
82	MP1B	X	41.263	1.5
83	MP1B	Z	-71.469	1.5
84	MP1B	Mx	.041	1.5
85	MP1B	X	41.263	4.5
86	MP1B	Z	-71.469	4.5
87	MP1B	Mx	.041	4.5
88	MP1C	X	35.221	1.5
89	MP1C	Z	-61.005	1.5
90	MP1C	Mx	-.027	1.5
91	MP1C	X	35.221	4.5
92	MP1C	Z	-61.005	4.5
93	MP1C	Mx	-.027	4.5
94	MP5A	X	30.296	1.5
95	MP5A	Z	-52.474	1.5
96	MP5A	Mx	-.015	1.5
97	MP5A	X	30.296	4.5
98	MP5A	Z	-52.474	4.5
99	MP5A	Mx	-.015	4.5
100	MP5B	X	41.263	1.5
101	MP5B	Z	-71.469	1.5
102	MP5B	Mx	.041	1.5
103	MP5B	X	41.263	4.5
104	MP5B	Z	-71.469	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5B	Mx	.041	4.5
106	MP5C	X	35.221	1.5
107	MP5C	Z	-61.005	1.5
108	MP5C	Mx	-.027	1.5
109	MP5C	X	35.221	4.5
110	MP5C	Z	-61.005	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	67.843	1
2	MP2A	Z	-39.169	1
3	MP2A	Mx	-.063	1
4	MP2A	X	67.843	5
5	MP2A	Z	-39.169	5
6	MP2A	Mx	-.063	5
7	MP2B	X	67.843	1
8	MP2B	Z	-39.169	1
9	MP2B	Mx	.005	1
10	MP2B	X	67.843	5
11	MP2B	Z	-39.169	5
12	MP2B	Mx	.005	5
13	MP2C	X	81.161	1
14	MP2C	Z	-46.858	1
15	MP2C	Mx	.05	1
16	MP2C	X	81.161	5
17	MP2C	Z	-46.858	5
18	MP2C	Mx	.05	5
19	MP2A	X	67.843	1
20	MP2A	Z	-39.169	1
21	MP2A	Mx	-.005	1
22	MP2A	X	67.843	5
23	MP2A	Z	-39.169	5
24	MP2A	Mx	-.005	5
25	MP2B	X	67.843	1
26	MP2B	Z	-39.169	1
27	MP2B	Mx	.063	1
28	MP2B	X	67.843	5
29	MP2B	Z	-39.169	5
30	MP2B	Mx	.063	5
31	MP2C	X	81.161	1
32	MP2C	Z	-46.858	1
33	MP2C	Mx	-.082	1
34	MP2C	X	81.161	5
35	MP2C	Z	-46.858	5
36	MP2C	Mx	-.082	5
37	MP4A	X	36.106	2
38	MP4A	Z	-20.846	2
39	MP4A	Mx	-.018	2
40	MP4A	X	36.106	4
41	MP4A	Z	-20.846	4
42	MP4A	Mx	-.018	4
43	MP4B	X	36.106	2
44	MP4B	Z	-20.846	2
45	MP4B	Mx	.018	2
46	MP4B	X	36.106	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	-20.846	4
48	MP4B	Mx	.018	4
49	MP4C	X	62.184	2
50	MP4C	Z	-35.902	2
51	MP4C	Mx	-.012	2
52	MP4C	X	62.184	4
53	MP4C	Z	-35.902	4
54	MP4C	Mx	-.012	4
55	MP2A	X	41.242	3
56	MP2A	Z	-23.811	3
57	MP2A	Mx	.021	3
58	MP2B	X	41.242	3
59	MP2B	Z	-23.811	3
60	MP2B	Mx	-.021	3
61	MP2C	X	52.646	3
62	MP2C	Z	-30.395	3
63	MP2C	Mx	.01	3
64	MP3A	X	50.294	3
65	MP3A	Z	-29.037	3
66	MP3A	Mx	.025	3
67	MP3B	X	50.294	3
68	MP3B	Z	-29.037	3
69	MP3B	Mx	-.025	3
70	MP3C	X	63.599	3
71	MP3C	Z	-36.719	3
72	MP3C	Mx	.013	3
73	M107	X	85.133	1.25
74	M107	Z	-49.152	1.25
75	M107	Mx	0	1.25
76	MP1A	X	65.137	1.5
77	MP1A	Z	-37.607	1.5
78	MP1A	Mx	-.033	1.5
79	MP1A	X	65.137	4.5
80	MP1A	Z	-37.607	4.5
81	MP1A	Mx	-.033	4.5
82	MP1B	X	65.137	1.5
83	MP1B	Z	-37.607	1.5
84	MP1B	Mx	.033	1.5
85	MP1B	X	65.137	4.5
86	MP1B	Z	-37.607	4.5
87	MP1B	Mx	.033	4.5
88	MP1C	X	49.105	1.5
89	MP1C	Z	-28.351	1.5
90	MP1C	Mx	-.01	1.5
91	MP1C	X	49.105	4.5
92	MP1C	Z	-28.351	4.5
93	MP1C	Mx	-.01	4.5
94	MP5A	X	65.137	1.5
95	MP5A	Z	-37.607	1.5
96	MP5A	Mx	-.033	1.5
97	MP5A	X	65.137	4.5
98	MP5A	Z	-37.607	4.5
99	MP5A	Mx	-.033	4.5
100	MP5B	X	65.137	1.5
101	MP5B	Z	-37.607	1.5
102	MP5B	Mx	.033	1.5
103	MP5B	X	65.137	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP5B	Z	-37.607	4.5
105	MP5B	Mx	.033	4.5
106	MP5C	X	49.105	1.5
107	MP5C	Z	-28.351	1.5
108	MP5C	Mx	-.01	1.5
109	MP5C	X	49.105	4.5
110	MP5C	Z	-28.351	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	72.265	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.036	1
4	MP2A	X	72.265	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.036	5
7	MP2B	X	90.485	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.036	1
10	MP2B	X	90.485	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.036	5
13	MP2C	X	95.825	1
14	MP2C	Z	0	1
15	MP2C	Mx	.079	1
16	MP2C	X	95.825	5
17	MP2C	Z	0	5
18	MP2C	Mx	.079	5
19	MP2A	X	72.265	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.036	1
22	MP2A	X	72.265	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.036	5
25	MP2B	X	90.485	1
26	MP2B	Z	0	1
27	MP2B	Mx	.081	1
28	MP2B	X	90.485	5
29	MP2B	Z	0	5
30	MP2B	Mx	.081	5
31	MP2C	X	95.825	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.062	1
34	MP2C	X	95.825	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.062	5
37	MP4A	X	29.799	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.015	2
40	MP4A	X	29.799	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.015	4
43	MP4B	X	65.476	2
44	MP4B	Z	0	2
45	MP4B	Mx	.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	65.476	4
47	MP4B	Z	0	4
48	MP4B	Mx	.016	4
49	MP4C	X	75.934	2
50	MP4C	Z	0	2
51	MP4C	Mx	.007	2
52	MP4C	X	75.934	4
53	MP4C	Z	0	4
54	MP4C	Mx	.007	4
55	MP2A	X	42.421	3
56	MP2A	Z	0	3
57	MP2A	Mx	.021	3
58	MP2B	X	58.023	3
59	MP2B	Z	0	3
60	MP2B	Mx	-.015	3
61	MP2C	X	62.597	3
62	MP2C	Z	0	3
63	MP2C	Mx	-.005	3
64	MP3A	X	52.007	3
65	MP3A	Z	0	3
66	MP3A	Mx	.026	3
67	MP3B	X	70.209	3
68	MP3B	Z	0	3
69	MP3B	Mx	-.018	3
70	MP3C	X	75.545	3
71	MP3C	Z	0	3
72	MP3C	Mx	-.007	3
73	M107	X	106.053	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	82.525	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	-.041	1.5
79	MP1A	X	82.525	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.041	4.5
82	MP1B	X	60.592	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	.015	1.5
85	MP1B	X	60.592	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	.015	4.5
88	MP1C	X	54.162	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.005	1.5
91	MP1C	X	54.162	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	.005	4.5
94	MP5A	X	82.525	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	-.041	1.5
97	MP5A	X	82.525	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	-.041	4.5
100	MP5B	X	60.592	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	.015	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP5B	X	60.592	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	.015	4.5
106	MP5C	X	54.162	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	.005	1.5
109	MP5C	X	54.162	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	67.843	1
2	MP2A	Z	39.169	1
3	MP2A	Mx	-.005	1
4	MP2A	X	67.843	5
5	MP2A	Z	39.169	5
6	MP2A	Mx	-.005	5
7	MP2B	X	83.622	1
8	MP2B	Z	48.279	1
9	MP2B	Mx	-.072	1
10	MP2B	X	83.622	5
11	MP2B	Z	48.279	5
12	MP2B	Mx	-.072	5
13	MP2C	X	74.929	1
14	MP2C	Z	43.26	1
15	MP2C	Mx	.078	1
16	MP2C	X	74.929	5
17	MP2C	Z	43.26	5
18	MP2C	Mx	.078	5
19	MP2A	X	67.843	1
20	MP2A	Z	39.169	1
21	MP2A	Mx	-.063	1
22	MP2A	X	67.843	5
23	MP2A	Z	39.169	5
24	MP2A	Mx	-.063	5
25	MP2B	X	83.622	1
26	MP2B	Z	48.279	1
27	MP2B	Mx	.072	1
28	MP2B	X	83.622	5
29	MP2B	Z	48.279	5
30	MP2B	Mx	.072	5
31	MP2C	X	74.929	1
32	MP2C	Z	43.26	1
33	MP2C	Mx	-.022	1
34	MP2C	X	74.929	5
35	MP2C	Z	43.26	5
36	MP2C	Mx	-.022	5
37	MP4A	X	36.106	2
38	MP4A	Z	20.846	2
39	MP4A	Mx	-.018	2
40	MP4A	X	36.106	4
41	MP4A	Z	20.846	4
42	MP4A	Mx	-.018	4
43	MP4B	X	67.003	2
44	MP4B	Z	38.684	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	0	2
46	MP4B	X	67.003	4
47	MP4B	Z	38.684	4
48	MP4B	Mx	0	4
49	MP4C	X	49.982	2
50	MP4C	Z	28.857	2
51	MP4C	Mx	.019	2
52	MP4C	X	49.982	4
53	MP4C	Z	28.857	4
54	MP4C	Mx	.019	4
55	MP2A	X	41.242	3
56	MP2A	Z	23.811	3
57	MP2A	Mx	.021	3
58	MP2B	X	54.754	3
59	MP2B	Z	31.612	3
60	MP2B	Mx	0	3
61	MP2C	X	47.31	3
62	MP2C	Z	27.314	3
63	MP2C	Mx	-.018	3
64	MP3A	X	50.294	3
65	MP3A	Z	29.037	3
66	MP3A	Mx	.025	3
67	MP3B	X	66.058	3
68	MP3B	Z	38.138	3
69	MP3B	Mx	0	3
70	MP3C	X	57.373	3
71	MP3C	Z	33.125	3
72	MP3C	Mx	-.021	3
73	M107	X	105.268	1.25
74	M107	Z	60.777	1.25
75	M107	Mx	0	1.25
76	MP1A	X	65.137	1.5
77	MP1A	Z	37.607	1.5
78	MP1A	Mx	-.033	1.5
79	MP1A	X	65.137	4.5
80	MP1A	Z	37.607	4.5
81	MP1A	Mx	-.033	4.5
82	MP1B	X	46.142	1.5
83	MP1B	Z	26.64	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	46.142	4.5
86	MP1B	Z	26.64	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	56.607	1.5
89	MP1C	Z	32.682	1.5
90	MP1C	Mx	.021	1.5
91	MP1C	X	56.607	4.5
92	MP1C	Z	32.682	4.5
93	MP1C	Mx	.021	4.5
94	MP5A	X	65.137	1.5
95	MP5A	Z	37.607	1.5
96	MP5A	Mx	-.033	1.5
97	MP5A	X	65.137	4.5
98	MP5A	Z	37.607	4.5
99	MP5A	Mx	-.033	4.5
100	MP5B	X	46.142	1.5
101	MP5B	Z	26.64	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5B	Mx	0	1.5
103	MP5B	X	46.142	4.5
104	MP5B	Z	26.64	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	56.607	1.5
107	MP5C	Z	32.682	1.5
108	MP5C	Mx	.021	1.5
109	MP5C	X	56.607	4.5
110	MP5C	Z	32.682	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	45.242	1
2	MP2A	Z	78.362	1
3	MP2A	Mx	.036	1
4	MP2A	X	45.242	5
5	MP2A	Z	78.362	5
6	MP2A	Mx	.036	5
7	MP2B	X	45.242	1
8	MP2B	Z	78.362	1
9	MP2B	Mx	-.081	1
10	MP2B	X	45.242	5
11	MP2B	Z	78.362	5
12	MP2B	Mx	-.081	5
13	MP2C	X	37.554	1
14	MP2C	Z	65.045	1
15	MP2C	Mx	.055	1
16	MP2C	X	37.554	5
17	MP2C	Z	65.045	5
18	MP2C	Mx	.055	5
19	MP2A	X	45.242	1
20	MP2A	Z	78.362	1
21	MP2A	Mx	-.081	1
22	MP2A	X	45.242	5
23	MP2A	Z	78.362	5
24	MP2A	Mx	-.081	5
25	MP2B	X	45.242	1
26	MP2B	Z	78.362	1
27	MP2B	Mx	.036	1
28	MP2B	X	45.242	5
29	MP2B	Z	78.362	5
30	MP2B	Mx	.036	5
31	MP2C	X	37.554	1
32	MP2C	Z	65.045	1
33	MP2C	Mx	.016	1
34	MP2C	X	37.554	5
35	MP2C	Z	65.045	5
36	MP2C	Mx	.016	5
37	MP4A	X	32.738	2
38	MP4A	Z	56.704	2
39	MP4A	Mx	-.016	2
40	MP4A	X	32.738	4
41	MP4A	Z	56.704	4
42	MP4A	Mx	-.016	4
43	MP4B	X	32.738	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	56.704	2
45	MP4B	Mx	-.016	2
46	MP4B	X	32.738	4
47	MP4B	Z	56.704	4
48	MP4B	Mx	-.016	4
49	MP4C	X	17.682	2
50	MP4C	Z	30.625	2
51	MP4C	Mx	.017	2
52	MP4C	X	17.682	4
53	MP4C	Z	30.625	4
54	MP4C	Mx	.017	4
55	MP2A	X	29.012	3
56	MP2A	Z	50.25	3
57	MP2A	Mx	.015	3
58	MP2B	X	29.012	3
59	MP2B	Z	50.25	3
60	MP2B	Mx	.015	3
61	MP2C	X	22.427	3
62	MP2C	Z	38.845	3
63	MP2C	Mx	-.021	3
64	MP3A	X	35.105	3
65	MP3A	Z	60.803	3
66	MP3A	Mx	.018	3
67	MP3B	X	35.105	3
68	MP3B	Z	60.803	3
69	MP3B	Mx	.018	3
70	MP3C	X	27.423	3
71	MP3C	Z	47.498	3
72	MP3C	Mx	-.026	3
73	M107	X	64.652	1.25
74	M107	Z	111.98	1.25
75	M107	Mx	0	1.25
76	MP1A	X	30.296	1.5
77	MP1A	Z	52.474	1.5
78	MP1A	Mx	-.015	1.5
79	MP1A	X	30.296	4.5
80	MP1A	Z	52.474	4.5
81	MP1A	Mx	-.015	4.5
82	MP1B	X	30.296	1.5
83	MP1B	Z	52.474	1.5
84	MP1B	Mx	-.015	1.5
85	MP1B	X	30.296	4.5
86	MP1B	Z	52.474	4.5
87	MP1B	Mx	-.015	4.5
88	MP1C	X	39.552	1.5
89	MP1C	Z	68.506	1.5
90	MP1C	Mx	.037	1.5
91	MP1C	X	39.552	4.5
92	MP1C	Z	68.506	4.5
93	MP1C	Mx	.037	4.5
94	MP5A	X	30.296	1.5
95	MP5A	Z	52.474	1.5
96	MP5A	Mx	-.015	1.5
97	MP5A	X	30.296	4.5
98	MP5A	Z	52.474	4.5
99	MP5A	Mx	-.015	4.5
100	MP5B	X	30.296	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP5B	Z	52.474	1.5
102	MP5B	Mx	-.015	1.5
103	MP5B	X	30.296	4.5
104	MP5B	Z	52.474	4.5
105	MP5B	Mx	-.015	4.5
106	MP5C	X	39.552	1.5
107	MP5C	Z	68.506	1.5
108	MP5C	Mx	.037	1.5
109	MP5C	X	39.552	4.5
110	MP5C	Z	68.506	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	96.558	1
3	MP2A	Mx	.072	1
4	MP2A	X	0	5
5	MP2A	Z	96.558	5
6	MP2A	Mx	.072	5
7	MP2B	X	0	1
8	MP2B	Z	78.338	1
9	MP2B	Mx	-.063	1
10	MP2B	X	0	5
11	MP2B	Z	78.338	5
12	MP2B	Mx	-.063	5
13	MP2C	X	0	1
14	MP2C	Z	72.998	1
15	MP2C	Mx	.026	1
16	MP2C	X	0	5
17	MP2C	Z	72.998	5
18	MP2C	Mx	.026	5
19	MP2A	X	0	1
20	MP2A	Z	96.558	1
21	MP2A	Mx	-.072	1
22	MP2A	X	0	5
23	MP2A	Z	96.558	5
24	MP2A	Mx	-.072	5
25	MP2B	X	0	1
26	MP2B	Z	78.338	1
27	MP2B	Mx	-.005	1
28	MP2B	X	0	5
29	MP2B	Z	78.338	5
30	MP2B	Mx	-.005	5
31	MP2C	X	0	1
32	MP2C	Z	72.998	1
33	MP2C	Mx	.045	1
34	MP2C	X	0	5
35	MP2C	Z	72.998	5
36	MP2C	Mx	.045	5
37	MP4A	X	0	2
38	MP4A	Z	77.369	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	77.369	4
42	MP4A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP4B	X	0	2
44	MP4B	Z	41.691	2
45	MP4B	Mx	-.018	2
46	MP4B	X	0	4
47	MP4B	Z	41.691	4
48	MP4B	Mx	-.018	4
49	MP4C	X	0	2
50	MP4C	Z	31.233	2
51	MP4C	Mx	.015	2
52	MP4C	X	0	4
53	MP4C	Z	31.233	4
54	MP4C	Mx	.015	4
55	MP2A	X	0	3
56	MP2A	Z	63.224	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	47.622	3
60	MP2B	Mx	.021	3
61	MP2C	X	0	3
62	MP2C	Z	43.049	3
63	MP2C	Mx	-.021	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	58.074	3
69	MP3B	Mx	.025	3
70	MP3C	X	0	3
71	MP3C	Z	52.739	3
72	MP3C	Mx	-.026	3
73	M107	X	0	1.25
74	M107	Z	121.554	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	53.28	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	53.28	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	75.214	1.5
84	MP1B	Mx	-.033	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	75.214	4.5
87	MP1B	Mx	-.033	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	81.643	1.5
90	MP1C	Mx	.04	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	81.643	4.5
93	MP1C	Mx	.04	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	53.28	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	53.28	4.5
99	MP5A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP5B	X	0	1.5
101	MP5B	Z	75.214	1.5
102	MP5B	Mx	-.033	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	75.214	4.5
105	MP5B	Mx	-.033	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	81.643	1.5
108	MP5C	Mx	.04	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	81.643	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	-45.242	1
2	MP2A	Z	78.362	1
3	MP2A	Mx	.081	1
4	MP2A	X	-45.242	5
5	MP2A	Z	78.362	5
6	MP2A	Mx	.081	5
7	MP2B	X	-36.133	1
8	MP2B	Z	62.584	1
9	MP2B	Mx	-.036	1
10	MP2B	X	-36.133	5
11	MP2B	Z	62.584	5
12	MP2B	Mx	-.036	5
13	MP2C	X	-41.151	1
14	MP2C	Z	71.276	1
15	MP2C	Mx	-.008	1
16	MP2C	X	-41.151	5
17	MP2C	Z	71.276	5
18	MP2C	Mx	-.008	5
19	MP2A	X	-45.242	1
20	MP2A	Z	78.362	1
21	MP2A	Mx	-.036	1
22	MP2A	X	-45.242	5
23	MP2A	Z	78.362	5
24	MP2A	Mx	-.036	5
25	MP2B	X	-36.133	1
26	MP2B	Z	62.584	1
27	MP2B	Mx	-.036	1
28	MP2B	X	-36.133	5
29	MP2B	Z	62.584	5
30	MP2B	Mx	-.036	5
31	MP2C	X	-41.151	1
32	MP2C	Z	71.276	1
33	MP2C	Mx	.071	1
34	MP2C	X	-41.151	5
35	MP2C	Z	71.276	5
36	MP2C	Mx	.071	5
37	MP4A	X	-32.738	2
38	MP4A	Z	56.704	2
39	MP4A	Mx	.016	2
40	MP4A	X	-32.738	4
41	MP4A	Z	56.704	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	.016	4
43	MP4B	X	-14.899	2
44	MP4B	Z	25.806	2
45	MP4B	Mx	-.015	2
46	MP4B	X	-14.899	4
47	MP4B	Z	25.806	4
48	MP4B	Mx	-.015	4
49	MP4C	X	-24.727	2
50	MP4C	Z	42.828	2
51	MP4C	Mx	.019	2
52	MP4C	X	-24.727	4
53	MP4C	Z	42.828	4
54	MP4C	Mx	.019	4
55	MP2A	X	-29.012	3
56	MP2A	Z	50.25	3
57	MP2A	Mx	-.015	3
58	MP2B	X	-21.211	3
59	MP2B	Z	36.738	3
60	MP2B	Mx	.021	3
61	MP2C	X	-25.508	3
62	MP2C	Z	44.182	3
63	MP2C	Mx	-.02	3
64	MP3A	X	-35.105	3
65	MP3A	Z	60.803	3
66	MP3A	Mx	-.018	3
67	MP3B	X	-26.003	3
68	MP3B	Z	45.039	3
69	MP3B	Mx	.026	3
70	MP3C	X	-31.017	3
71	MP3C	Z	53.724	3
72	MP3C	Mx	-.024	3
73	M107	X	-53.027	1.25
74	M107	Z	91.845	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-30.296	1.5
77	MP1A	Z	52.474	1.5
78	MP1A	Mx	.015	1.5
79	MP1A	X	-30.296	4.5
80	MP1A	Z	52.474	4.5
81	MP1A	Mx	.015	4.5
82	MP1B	X	-41.263	1.5
83	MP1B	Z	71.469	1.5
84	MP1B	Mx	-.041	1.5
85	MP1B	X	-41.263	4.5
86	MP1B	Z	71.469	4.5
87	MP1B	Mx	-.041	4.5
88	MP1C	X	-35.221	1.5
89	MP1C	Z	61.005	1.5
90	MP1C	Mx	.027	1.5
91	MP1C	X	-35.221	4.5
92	MP1C	Z	61.005	4.5
93	MP1C	Mx	.027	4.5
94	MP5A	X	-30.296	1.5
95	MP5A	Z	52.474	1.5
96	MP5A	Mx	.015	1.5
97	MP5A	X	-30.296	4.5
98	MP5A	Z	52.474	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP5A	Mx	.015	4.5
100	MP5B	X	-41.263	1.5
101	MP5B	Z	71.469	1.5
102	MP5B	Mx	-.041	1.5
103	MP5B	X	-41.263	4.5
104	MP5B	Z	71.469	4.5
105	MP5B	Mx	-.041	4.5
106	MP5C	X	-35.221	1.5
107	MP5C	Z	61.005	1.5
108	MP5C	Mx	.027	1.5
109	MP5C	X	-35.221	4.5
110	MP5C	Z	61.005	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	-67.843	1
2	MP2A	Z	39.169	1
3	MP2A	Mx	.063	1
4	MP2A	X	-67.843	5
5	MP2A	Z	39.169	5
6	MP2A	Mx	.063	5
7	MP2B	X	-67.843	1
8	MP2B	Z	39.169	1
9	MP2B	Mx	-.005	1
10	MP2B	X	-67.843	5
11	MP2B	Z	39.169	5
12	MP2B	Mx	-.005	5
13	MP2C	X	-81.161	1
14	MP2C	Z	46.858	1
15	MP2C	Mx	-.05	1
16	MP2C	X	-81.161	5
17	MP2C	Z	46.858	5
18	MP2C	Mx	-.05	5
19	MP2A	X	-67.843	1
20	MP2A	Z	39.169	1
21	MP2A	Mx	.005	1
22	MP2A	X	-67.843	5
23	MP2A	Z	39.169	5
24	MP2A	Mx	.005	5
25	MP2B	X	-67.843	1
26	MP2B	Z	39.169	1
27	MP2B	Mx	-.063	1
28	MP2B	X	-67.843	5
29	MP2B	Z	39.169	5
30	MP2B	Mx	-.063	5
31	MP2C	X	-81.161	1
32	MP2C	Z	46.858	1
33	MP2C	Mx	.082	1
34	MP2C	X	-81.161	5
35	MP2C	Z	46.858	5
36	MP2C	Mx	.082	5
37	MP4A	X	-36.106	2
38	MP4A	Z	20.846	2
39	MP4A	Mx	.018	2
40	MP4A	X	-36.106	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	20.846	4
42	MP4A	Mx	.018	4
43	MP4B	X	-36.106	2
44	MP4B	Z	20.846	2
45	MP4B	Mx	-.018	2
46	MP4B	X	-36.106	4
47	MP4B	Z	20.846	4
48	MP4B	Mx	-.018	4
49	MP4C	X	-62.184	2
50	MP4C	Z	35.902	2
51	MP4C	Mx	.012	2
52	MP4C	X	-62.184	4
53	MP4C	Z	35.902	4
54	MP4C	Mx	.012	4
55	MP2A	X	-41.242	3
56	MP2A	Z	23.811	3
57	MP2A	Mx	-.021	3
58	MP2B	X	-41.242	3
59	MP2B	Z	23.811	3
60	MP2B	Mx	.021	3
61	MP2C	X	-52.646	3
62	MP2C	Z	30.395	3
63	MP2C	Mx	-.01	3
64	MP3A	X	-50.294	3
65	MP3A	Z	29.037	3
66	MP3A	Mx	-.025	3
67	MP3B	X	-50.294	3
68	MP3B	Z	29.037	3
69	MP3B	Mx	.025	3
70	MP3C	X	-63.599	3
71	MP3C	Z	36.719	3
72	MP3C	Mx	-.013	3
73	M107	X	-85.133	1.25
74	M107	Z	49.152	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-65.137	1.5
77	MP1A	Z	37.607	1.5
78	MP1A	Mx	.033	1.5
79	MP1A	X	-65.137	4.5
80	MP1A	Z	37.607	4.5
81	MP1A	Mx	.033	4.5
82	MP1B	X	-65.137	1.5
83	MP1B	Z	37.607	1.5
84	MP1B	Mx	-.033	1.5
85	MP1B	X	-65.137	4.5
86	MP1B	Z	37.607	4.5
87	MP1B	Mx	-.033	4.5
88	MP1C	X	-49.105	1.5
89	MP1C	Z	28.351	1.5
90	MP1C	Mx	.01	1.5
91	MP1C	X	-49.105	4.5
92	MP1C	Z	28.351	4.5
93	MP1C	Mx	.01	4.5
94	MP5A	X	-65.137	1.5
95	MP5A	Z	37.607	1.5
96	MP5A	Mx	.033	1.5
97	MP5A	X	-65.137	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP5A	Z	37.607	4.5
99	MP5A	Mx	.033	4.5
100	MP5B	X	-65.137	1.5
101	MP5B	Z	37.607	1.5
102	MP5B	Mx	-.033	1.5
103	MP5B	X	-65.137	4.5
104	MP5B	Z	37.607	4.5
105	MP5B	Mx	-.033	4.5
106	MP5C	X	-49.105	1.5
107	MP5C	Z	28.351	1.5
108	MP5C	Mx	.01	1.5
109	MP5C	X	-49.105	4.5
110	MP5C	Z	28.351	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	-72.265	1
2	MP2A	Z	0	1
3	MP2A	Mx	.036	1
4	MP2A	X	-72.265	5
5	MP2A	Z	0	5
6	MP2A	Mx	.036	5
7	MP2B	X	-90.485	1
8	MP2B	Z	0	1
9	MP2B	Mx	.036	1
10	MP2B	X	-90.485	5
11	MP2B	Z	0	5
12	MP2B	Mx	.036	5
13	MP2C	X	-95.825	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.079	1
16	MP2C	X	-95.825	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.079	5
19	MP2A	X	-72.265	1
20	MP2A	Z	0	1
21	MP2A	Mx	.036	1
22	MP2A	X	-72.265	5
23	MP2A	Z	0	5
24	MP2A	Mx	.036	5
25	MP2B	X	-90.485	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.081	1
28	MP2B	X	-90.485	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.081	5
31	MP2C	X	-95.825	1
32	MP2C	Z	0	1
33	MP2C	Mx	.062	1
34	MP2C	X	-95.825	5
35	MP2C	Z	0	5
36	MP2C	Mx	.062	5
37	MP4A	X	-29.799	2
38	MP4A	Z	0	2
39	MP4A	Mx	.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	-29.799	4
41	MP4A	Z	0	4
42	MP4A	Mx	.015	4
43	MP4B	X	-65.476	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.016	2
46	MP4B	X	-65.476	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.016	4
49	MP4C	X	-75.934	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.007	2
52	MP4C	X	-75.934	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.007	4
55	MP2A	X	-42.421	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.021	3
58	MP2B	X	-58.023	3
59	MP2B	Z	0	3
60	MP2B	Mx	.015	3
61	MP2C	X	-62.597	3
62	MP2C	Z	0	3
63	MP2C	Mx	.005	3
64	MP3A	X	-52.007	3
65	MP3A	Z	0	3
66	MP3A	Mx	-.026	3
67	MP3B	X	-70.209	3
68	MP3B	Z	0	3
69	MP3B	Mx	.018	3
70	MP3C	X	-75.545	3
71	MP3C	Z	0	3
72	MP3C	Mx	.007	3
73	M107	X	-106.053	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-82.525	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	.041	1.5
79	MP1A	X	-82.525	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.041	4.5
82	MP1B	X	-60.592	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	-.015	1.5
85	MP1B	X	-60.592	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	-.015	4.5
88	MP1C	X	-54.162	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.005	1.5
91	MP1C	X	-54.162	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	-.005	4.5
94	MP5A	X	-82.525	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	.041	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP5A	X	-82.525	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	.041	4.5
100	MP5B	X	-60.592	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	-.015	1.5
103	MP5B	X	-60.592	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	-.015	4.5
106	MP5C	X	-54.162	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	-.005	1.5
109	MP5C	X	-54.162	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	-67.843	1
2	MP2A	Z	-39.169	1
3	MP2A	Mx	.005	1
4	MP2A	X	-67.843	5
5	MP2A	Z	-39.169	5
6	MP2A	Mx	.005	5
7	MP2B	X	-83.622	1
8	MP2B	Z	-48.279	1
9	MP2B	Mx	.072	1
10	MP2B	X	-83.622	5
11	MP2B	Z	-48.279	5
12	MP2B	Mx	.072	5
13	MP2C	X	-74.929	1
14	MP2C	Z	-43.26	1
15	MP2C	Mx	-.078	1
16	MP2C	X	-74.929	5
17	MP2C	Z	-43.26	5
18	MP2C	Mx	-.078	5
19	MP2A	X	-67.843	1
20	MP2A	Z	-39.169	1
21	MP2A	Mx	.063	1
22	MP2A	X	-67.843	5
23	MP2A	Z	-39.169	5
24	MP2A	Mx	.063	5
25	MP2B	X	-83.622	1
26	MP2B	Z	-48.279	1
27	MP2B	Mx	-.072	1
28	MP2B	X	-83.622	5
29	MP2B	Z	-48.279	5
30	MP2B	Mx	-.072	5
31	MP2C	X	-74.929	1
32	MP2C	Z	-43.26	1
33	MP2C	Mx	.022	1
34	MP2C	X	-74.929	5
35	MP2C	Z	-43.26	5
36	MP2C	Mx	.022	5
37	MP4A	X	-36.106	2
38	MP4A	Z	-20.846	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	.018	2
40	MP4A	X	-36.106	4
41	MP4A	Z	-20.846	4
42	MP4A	Mx	.018	4
43	MP4B	X	-67.003	2
44	MP4B	Z	-38.684	2
45	MP4B	Mx	0	2
46	MP4B	X	-67.003	4
47	MP4B	Z	-38.684	4
48	MP4B	Mx	0	4
49	MP4C	X	-49.982	2
50	MP4C	Z	-28.857	2
51	MP4C	Mx	-.019	2
52	MP4C	X	-49.982	4
53	MP4C	Z	-28.857	4
54	MP4C	Mx	-.019	4
55	MP2A	X	-41.242	3
56	MP2A	Z	-23.811	3
57	MP2A	Mx	-.021	3
58	MP2B	X	-54.754	3
59	MP2B	Z	-31.612	3
60	MP2B	Mx	0	3
61	MP2C	X	-47.31	3
62	MP2C	Z	-27.314	3
63	MP2C	Mx	.018	3
64	MP3A	X	-50.294	3
65	MP3A	Z	-29.037	3
66	MP3A	Mx	-.025	3
67	MP3B	X	-66.058	3
68	MP3B	Z	-38.138	3
69	MP3B	Mx	0	3
70	MP3C	X	-57.373	3
71	MP3C	Z	-33.125	3
72	MP3C	Mx	.021	3
73	M107	X	-105.268	1.25
74	M107	Z	-60.777	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-65.137	1.5
77	MP1A	Z	-37.607	1.5
78	MP1A	Mx	.033	1.5
79	MP1A	X	-65.137	4.5
80	MP1A	Z	-37.607	4.5
81	MP1A	Mx	.033	4.5
82	MP1B	X	-46.142	1.5
83	MP1B	Z	-26.64	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	-46.142	4.5
86	MP1B	Z	-26.64	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	-56.607	1.5
89	MP1C	Z	-32.682	1.5
90	MP1C	Mx	-.021	1.5
91	MP1C	X	-56.607	4.5
92	MP1C	Z	-32.682	4.5
93	MP1C	Mx	-.021	4.5
94	MP5A	X	-65.137	1.5
95	MP5A	Z	-37.607	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP5A	Mx	.033	1.5
97	MP5A	X	-65.137	4.5
98	MP5A	Z	-37.607	4.5
99	MP5A	Mx	.033	4.5
100	MP5B	X	-46.142	1.5
101	MP5B	Z	-26.64	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	-46.142	4.5
104	MP5B	Z	-26.64	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	-56.607	1.5
107	MP5C	Z	-32.682	1.5
108	MP5C	Mx	-.021	1.5
109	MP5C	X	-56.607	4.5
110	MP5C	Z	-32.682	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	-45.242	1
2	MP2A	Z	-78.362	1
3	MP2A	Mx	-.036	1
4	MP2A	X	-45.242	5
5	MP2A	Z	-78.362	5
6	MP2A	Mx	-.036	5
7	MP2B	X	-45.242	1
8	MP2B	Z	-78.362	1
9	MP2B	Mx	.081	1
10	MP2B	X	-45.242	5
11	MP2B	Z	-78.362	5
12	MP2B	Mx	.081	5
13	MP2C	X	-37.554	1
14	MP2C	Z	-65.045	1
15	MP2C	Mx	-.055	1
16	MP2C	X	-37.554	5
17	MP2C	Z	-65.045	5
18	MP2C	Mx	-.055	5
19	MP2A	X	-45.242	1
20	MP2A	Z	-78.362	1
21	MP2A	Mx	.081	1
22	MP2A	X	-45.242	5
23	MP2A	Z	-78.362	5
24	MP2A	Mx	.081	5
25	MP2B	X	-45.242	1
26	MP2B	Z	-78.362	1
27	MP2B	Mx	-.036	1
28	MP2B	X	-45.242	5
29	MP2B	Z	-78.362	5
30	MP2B	Mx	-.036	5
31	MP2C	X	-37.554	1
32	MP2C	Z	-65.045	1
33	MP2C	Mx	-.016	1
34	MP2C	X	-37.554	5
35	MP2C	Z	-65.045	5
36	MP2C	Mx	-.016	5
37	MP4A	X	-32.738	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4A	Z	-56.704	2
39	MP4A	Mx	.016	2
40	MP4A	X	-32.738	4
41	MP4A	Z	-56.704	4
42	MP4A	Mx	.016	4
43	MP4B	X	-32.738	2
44	MP4B	Z	-56.704	2
45	MP4B	Mx	.016	2
46	MP4B	X	-32.738	4
47	MP4B	Z	-56.704	4
48	MP4B	Mx	.016	4
49	MP4C	X	-17.682	2
50	MP4C	Z	-30.625	2
51	MP4C	Mx	-.017	2
52	MP4C	X	-17.682	4
53	MP4C	Z	-30.625	4
54	MP4C	Mx	-.017	4
55	MP2A	X	-29.012	3
56	MP2A	Z	-50.25	3
57	MP2A	Mx	-.015	3
58	MP2B	X	-29.012	3
59	MP2B	Z	-50.25	3
60	MP2B	Mx	-.015	3
61	MP2C	X	-22.427	3
62	MP2C	Z	-38.845	3
63	MP2C	Mx	.021	3
64	MP3A	X	-35.105	3
65	MP3A	Z	-60.803	3
66	MP3A	Mx	-.018	3
67	MP3B	X	-35.105	3
68	MP3B	Z	-60.803	3
69	MP3B	Mx	-.018	3
70	MP3C	X	-27.423	3
71	MP3C	Z	-47.498	3
72	MP3C	Mx	.026	3
73	M107	X	-64.652	1.25
74	M107	Z	-111.98	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-30.296	1.5
77	MP1A	Z	-52.474	1.5
78	MP1A	Mx	.015	1.5
79	MP1A	X	-30.296	4.5
80	MP1A	Z	-52.474	4.5
81	MP1A	Mx	.015	4.5
82	MP1B	X	-30.296	1.5
83	MP1B	Z	-52.474	1.5
84	MP1B	Mx	.015	1.5
85	MP1B	X	-30.296	4.5
86	MP1B	Z	-52.474	4.5
87	MP1B	Mx	.015	4.5
88	MP1C	X	-39.552	1.5
89	MP1C	Z	-68.506	1.5
90	MP1C	Mx	-.037	1.5
91	MP1C	X	-39.552	4.5
92	MP1C	Z	-68.506	4.5
93	MP1C	Mx	-.037	4.5
94	MP5A	X	-30.296	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5A	Z	-52.474	1.5
96	MP5A	Mx	.015	1.5
97	MP5A	X	-30.296	4.5
98	MP5A	Z	-52.474	4.5
99	MP5A	Mx	.015	4.5
100	MP5B	X	-30.296	1.5
101	MP5B	Z	-52.474	1.5
102	MP5B	Mx	.015	1.5
103	MP5B	X	-30.296	4.5
104	MP5B	Z	-52.474	4.5
105	MP5B	Mx	.015	4.5
106	MP5C	X	-39.552	1.5
107	MP5C	Z	-68.506	1.5
108	MP5C	Mx	-.037	1.5
109	MP5C	X	-39.552	4.5
110	MP5C	Z	-68.506	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	-38.079	1
3	MP2A	Mx	-.029	1
4	MP2A	X	0	5
5	MP2A	Z	-38.079	5
6	MP2A	Mx	-.029	5
7	MP2B	X	0	1
8	MP2B	Z	-31.117	1
9	MP2B	Mx	.025	1
10	MP2B	X	0	5
11	MP2B	Z	-31.117	5
12	MP2B	Mx	.025	5
13	MP2C	X	0	1
14	MP2C	Z	-29.076	1
15	MP2C	Mx	-.011	1
16	MP2C	X	0	5
17	MP2C	Z	-29.076	5
18	MP2C	Mx	-.011	5
19	MP2A	X	0	1
20	MP2A	Z	-38.079	1
21	MP2A	Mx	.029	1
22	MP2A	X	0	5
23	MP2A	Z	-38.079	5
24	MP2A	Mx	.029	5
25	MP2B	X	0	1
26	MP2B	Z	-31.117	1
27	MP2B	Mx	.002	1
28	MP2B	X	0	5
29	MP2B	Z	-31.117	5
30	MP2B	Mx	.002	5
31	MP2C	X	0	1
32	MP2C	Z	-29.076	1
33	MP2C	Mx	-.018	1
34	MP2C	X	0	5
35	MP2C	Z	-29.076	5
36	MP2C	Mx	-.018	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	0	2
38	MP4A	Z	-15.316	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-15.316	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-8.67	2
45	MP4B	Mx	.004	2
46	MP4B	X	0	4
47	MP4B	Z	-8.67	4
48	MP4B	Mx	.004	4
49	MP4C	X	0	2
50	MP4C	Z	-6.722	2
51	MP4C	Mx	-.003	2
52	MP4C	X	0	4
53	MP4C	Z	-6.722	4
54	MP4C	Mx	-.003	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	-12.322	3
69	MP3B	Mx	-.005	3
70	MP3C	X	0	3
71	MP3C	Z	-11.306	3
72	MP3C	Mx	.006	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	-11.172	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	-11.172	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	-15.07	1.5
84	MP1B	Mx	.007	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	-15.07	4.5
87	MP1B	Mx	.007	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	-16.213	1.5
90	MP1C	Mx	-.008	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	-16.213	4.5
93	MP1C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP5A	X	0	1.5
95	MP5A	Z	-11.172	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	-11.172	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	-15.07	1.5
102	MP5B	Mx	.007	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	-15.07	4.5
105	MP5B	Mx	.007	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	-16.213	1.5
108	MP5C	Mx	-.008	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	-16.213	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	17.879	1
2	MP2A	Z	-30.967	1
3	MP2A	Mx	-.032	1
4	MP2A	X	17.879	5
5	MP2A	Z	-30.967	5
6	MP2A	Mx	-.032	5
7	MP2B	X	14.398	1
8	MP2B	Z	-24.938	1
9	MP2B	Mx	.014	1
10	MP2B	X	14.398	5
11	MP2B	Z	-24.938	5
12	MP2B	Mx	.014	5
13	MP2C	X	16.316	1
14	MP2C	Z	-28.26	1
15	MP2C	Mx	.003	1
16	MP2C	X	16.316	5
17	MP2C	Z	-28.26	5
18	MP2C	Mx	.003	5
19	MP2A	X	17.879	1
20	MP2A	Z	-30.967	1
21	MP2A	Mx	.014	1
22	MP2A	X	17.879	5
23	MP2A	Z	-30.967	5
24	MP2A	Mx	.014	5
25	MP2B	X	14.398	1
26	MP2B	Z	-24.938	1
27	MP2B	Mx	.014	1
28	MP2B	X	14.398	5
29	MP2B	Z	-24.938	5
30	MP2B	Mx	.014	5
31	MP2C	X	16.316	1
32	MP2C	Z	-28.26	1
33	MP2C	Mx	-.028	1
34	MP2C	X	16.316	5
35	MP2C	Z	-28.26	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.028	5
37	MP4A	X	6.55	2
38	MP4A	Z	-11.346	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.55	4
41	MP4A	Z	-11.346	4
42	MP4A	Mx	-.003	4
43	MP4B	X	3.228	2
44	MP4B	Z	-5.59	2
45	MP4B	Mx	.003	2
46	MP4B	X	3.228	4
47	MP4B	Z	-5.59	4
48	MP4B	Mx	.003	4
49	MP4C	X	5.058	2
50	MP4C	Z	-8.761	2
51	MP4C	Mx	-.004	2
52	MP4C	X	5.058	4
53	MP4C	Z	-8.761	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	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	7.317	3
65	MP3A	Z	-12.673	3
66	MP3A	Mx	.004	3
67	MP3B	X	5.583	3
68	MP3B	Z	-9.67	3
69	MP3B	Mx	-.006	3
70	MP3C	X	6.538	3
71	MP3C	Z	-11.324	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	6.236	1.5
77	MP1A	Z	-10.8	1.5
78	MP1A	Mx	-.003	1.5
79	MP1A	X	6.236	4.5
80	MP1A	Z	-10.8	4.5
81	MP1A	Mx	-.003	4.5
82	MP1B	X	8.185	1.5
83	MP1B	Z	-14.176	1.5
84	MP1B	Mx	.008	1.5
85	MP1B	X	8.185	4.5
86	MP1B	Z	-14.176	4.5
87	MP1B	Mx	.008	4.5
88	MP1C	X	7.111	1.5
89	MP1C	Z	-12.317	1.5
90	MP1C	Mx	-.005	1.5
91	MP1C	X	7.111	4.5
92	MP1C	Z	-12.317	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP1C	Mx	-.005	4.5
94	MP5A	X	6.236	1.5
95	MP5A	Z	-10.8	1.5
96	MP5A	Mx	-.003	1.5
97	MP5A	X	6.236	4.5
98	MP5A	Z	-10.8	4.5
99	MP5A	Mx	-.003	4.5
100	MP5B	X	8.185	1.5
101	MP5B	Z	-14.176	1.5
102	MP5B	Mx	.008	1.5
103	MP5B	X	8.185	4.5
104	MP5B	Z	-14.176	4.5
105	MP5B	Mx	.008	4.5
106	MP5C	X	7.111	1.5
107	MP5C	Z	-12.317	1.5
108	MP5C	Mx	-.005	1.5
109	MP5C	X	7.111	4.5
110	MP5C	Z	-12.317	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	26.948	1
2	MP2A	Z	-15.558	1
3	MP2A	Mx	-.025	1
4	MP2A	X	26.948	5
5	MP2A	Z	-15.558	5
6	MP2A	Mx	-.025	5
7	MP2B	X	26.948	1
8	MP2B	Z	-15.558	1
9	MP2B	Mx	.002	1
10	MP2B	X	26.948	5
11	MP2B	Z	-15.558	5
12	MP2B	Mx	.002	5
13	MP2C	X	32.037	1
14	MP2C	Z	-18.496	1
15	MP2C	Mx	.02	1
16	MP2C	X	32.037	5
17	MP2C	Z	-18.496	5
18	MP2C	Mx	.02	5
19	MP2A	X	26.948	1
20	MP2A	Z	-15.558	1
21	MP2A	Mx	-.002	1
22	MP2A	X	26.948	5
23	MP2A	Z	-15.558	5
24	MP2A	Mx	-.002	5
25	MP2B	X	26.948	1
26	MP2B	Z	-15.558	1
27	MP2B	Mx	.025	1
28	MP2B	X	26.948	5
29	MP2B	Z	-15.558	5
30	MP2B	Mx	.025	5
31	MP2C	X	32.037	1
32	MP2C	Z	-18.496	1
33	MP2C	Mx	-.032	1
34	MP2C	X	32.037	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-18.496	5
36	MP2C	Mx	-.032	5
37	MP4A	X	7.509	2
38	MP4A	Z	-4.335	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.509	4
41	MP4A	Z	-4.335	4
42	MP4A	Mx	-.004	4
43	MP4B	X	7.509	2
44	MP4B	Z	-4.335	2
45	MP4B	Mx	.004	2
46	MP4B	X	7.509	4
47	MP4B	Z	-4.335	4
48	MP4B	Mx	.004	4
49	MP4C	X	12.366	2
50	MP4C	Z	-7.14	2
51	MP4C	Mx	-.002	2
52	MP4C	X	12.366	4
53	MP4C	Z	-7.14	4
54	MP4C	Mx	-.002	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	10.671	3
65	MP3A	Z	-6.161	3
66	MP3A	Mx	.005	3
67	MP3B	X	10.671	3
68	MP3B	Z	-6.161	3
69	MP3B	Mx	-.005	3
70	MP3C	X	13.205	3
71	MP3C	Z	-7.624	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	13.051	1.5
77	MP1A	Z	-7.535	1.5
78	MP1A	Mx	-.007	1.5
79	MP1A	X	13.051	4.5
80	MP1A	Z	-7.535	4.5
81	MP1A	Mx	-.007	4.5
82	MP1B	X	13.051	1.5
83	MP1B	Z	-7.535	1.5
84	MP1B	Mx	.007	1.5
85	MP1B	X	13.051	4.5
86	MP1B	Z	-7.535	4.5
87	MP1B	Mx	.007	4.5
88	MP1C	X	10.202	1.5
89	MP1C	Z	-5.89	1.5
90	MP1C	Mx	-.002	1.5
91	MP1C	X	10.202	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-5.89	4.5
93	MP1C	Mx	-.002	4.5
94	MP5A	X	13.051	1.5
95	MP5A	Z	-7.535	1.5
96	MP5A	Mx	-.007	1.5
97	MP5A	X	13.051	4.5
98	MP5A	Z	-7.535	4.5
99	MP5A	Mx	-.007	4.5
100	MP5B	X	13.051	1.5
101	MP5B	Z	-7.535	1.5
102	MP5B	Mx	.007	1.5
103	MP5B	X	13.051	4.5
104	MP5B	Z	-7.535	4.5
105	MP5B	Mx	.007	4.5
106	MP5C	X	10.202	1.5
107	MP5C	Z	-5.89	1.5
108	MP5C	Mx	-.002	1.5
109	MP5C	X	10.202	4.5
110	MP5C	Z	-5.89	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	28.796	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.014	1
4	MP2A	X	28.796	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.014	5
7	MP2B	X	35.758	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.014	1
10	MP2B	X	35.758	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.014	5
13	MP2C	X	37.799	1
14	MP2C	Z	0	1
15	MP2C	Mx	.031	1
16	MP2C	X	37.799	5
17	MP2C	Z	0	5
18	MP2C	Mx	.031	5
19	MP2A	X	28.796	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.014	1
22	MP2A	X	28.796	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.014	5
25	MP2B	X	35.758	1
26	MP2B	Z	0	1
27	MP2B	Mx	.032	1
28	MP2B	X	35.758	5
29	MP2B	Z	0	5
30	MP2B	Mx	.032	5
31	MP2C	X	37.799	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	37.799	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.025	5
37	MP4A	X	6.455	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.455	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.003	4
43	MP4B	X	13.101	2
44	MP4B	Z	0	2
45	MP4B	Mx	.003	2
46	MP4B	X	13.101	4
47	MP4B	Z	0	4
48	MP4B	Mx	.003	4
49	MP4C	X	15.049	2
50	MP4C	Z	0	2
51	MP4C	Mx	.001	2
52	MP4C	X	15.049	4
53	MP4C	Z	0	4
54	MP4C	Mx	.001	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	11.166	3
65	MP3A	Z	0	3
66	MP3A	Mx	.006	3
67	MP3B	X	14.633	3
68	MP3B	Z	0	3
69	MP3B	Mx	-.004	3
70	MP3C	X	15.649	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	16.369	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	-.008	1.5
79	MP1A	X	16.369	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.008	4.5
82	MP1B	X	12.471	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	.003	1.5
85	MP1B	X	12.471	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	.003	4.5
88	MP1C	X	11.329	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.000984	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	11.329	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	.000984	4.5
94	MP5A	X	16.369	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	-.008	1.5
97	MP5A	X	16.369	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	-.008	4.5
100	MP5B	X	12.471	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	.003	1.5
103	MP5B	X	12.471	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	.003	4.5
106	MP5C	X	11.329	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	.000984	1.5
109	MP5C	X	11.329	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	.000984	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	26.948	1
2	MP2A	Z	15.558	1
3	MP2A	Mx	-.002	1
4	MP2A	X	26.948	5
5	MP2A	Z	15.558	5
6	MP2A	Mx	-.002	5
7	MP2B	X	32.977	1
8	MP2B	Z	19.039	1
9	MP2B	Mx	-.029	1
10	MP2B	X	32.977	5
11	MP2B	Z	19.039	5
12	MP2B	Mx	-.029	5
13	MP2C	X	29.656	1
14	MP2C	Z	17.122	1
15	MP2C	Mx	.031	1
16	MP2C	X	29.656	5
17	MP2C	Z	17.122	5
18	MP2C	Mx	.031	5
19	MP2A	X	26.948	1
20	MP2A	Z	15.558	1
21	MP2A	Mx	-.025	1
22	MP2A	X	26.948	5
23	MP2A	Z	15.558	5
24	MP2A	Mx	-.025	5
25	MP2B	X	32.977	1
26	MP2B	Z	19.039	1
27	MP2B	Mx	.029	1
28	MP2B	X	32.977	5
29	MP2B	Z	19.039	5
30	MP2B	Mx	.029	5
31	MP2C	X	29.656	1
32	MP2C	Z	17.122	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.009	1
34	MP2C	X	29.656	5
35	MP2C	Z	17.122	5
36	MP2C	Mx	-.009	5
37	MP4A	X	7.509	2
38	MP4A	Z	4.335	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.509	4
41	MP4A	Z	4.335	4
42	MP4A	Mx	-.004	4
43	MP4B	X	13.264	2
44	MP4B	Z	7.658	2
45	MP4B	Mx	0	2
46	MP4B	X	13.264	4
47	MP4B	Z	7.658	4
48	MP4B	Mx	0	4
49	MP4C	X	10.093	2
50	MP4C	Z	5.827	2
51	MP4C	Mx	.004	2
52	MP4C	X	10.093	4
53	MP4C	Z	5.827	4
54	MP4C	Mx	.004	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	10.671	3
65	MP3A	Z	6.161	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	12.02	3
71	MP3C	Z	6.939	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	13.051	1.5
77	MP1A	Z	7.535	1.5
78	MP1A	Mx	-.007	1.5
79	MP1A	X	13.051	4.5
80	MP1A	Z	7.535	4.5
81	MP1A	Mx	-.007	4.5
82	MP1B	X	9.675	1.5
83	MP1B	Z	5.586	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	9.675	4.5
86	MP1B	Z	5.586	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	11.535	1.5
89	MP1C	Z	6.66	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	.004	1.5
91	MP1C	X	11.535	4.5
92	MP1C	Z	6.66	4.5
93	MP1C	Mx	.004	4.5
94	MP5A	X	13.051	1.5
95	MP5A	Z	7.535	1.5
96	MP5A	Mx	-.007	1.5
97	MP5A	X	13.051	4.5
98	MP5A	Z	7.535	4.5
99	MP5A	Mx	-.007	4.5
100	MP5B	X	9.675	1.5
101	MP5B	Z	5.586	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	9.675	4.5
104	MP5B	Z	5.586	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	11.535	1.5
107	MP5C	Z	6.66	1.5
108	MP5C	Mx	.004	1.5
109	MP5C	X	11.535	4.5
110	MP5C	Z	6.66	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	17.879	1
2	MP2A	Z	30.967	1
3	MP2A	Mx	.014	1
4	MP2A	X	17.879	5
5	MP2A	Z	30.967	5
6	MP2A	Mx	.014	5
7	MP2B	X	17.879	1
8	MP2B	Z	30.967	1
9	MP2B	Mx	-.032	1
10	MP2B	X	17.879	5
11	MP2B	Z	30.967	5
12	MP2B	Mx	-.032	5
13	MP2C	X	14.941	1
14	MP2C	Z	25.879	1
15	MP2C	Mx	.022	1
16	MP2C	X	14.941	5
17	MP2C	Z	25.879	5
18	MP2C	Mx	.022	5
19	MP2A	X	17.879	1
20	MP2A	Z	30.967	1
21	MP2A	Mx	-.032	1
22	MP2A	X	17.879	5
23	MP2A	Z	30.967	5
24	MP2A	Mx	-.032	5
25	MP2B	X	17.879	1
26	MP2B	Z	30.967	1
27	MP2B	Mx	.014	1
28	MP2B	X	17.879	5
29	MP2B	Z	30.967	5
30	MP2B	Mx	.014	5
31	MP2C	X	14.941	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	25.879	1
33	MP2C	Mx	.006	1
34	MP2C	X	14.941	5
35	MP2C	Z	25.879	5
36	MP2C	Mx	.006	5
37	MP4A	X	6.55	2
38	MP4A	Z	11.346	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.55	4
41	MP4A	Z	11.346	4
42	MP4A	Mx	-.003	4
43	MP4B	X	6.55	2
44	MP4B	Z	11.346	2
45	MP4B	Mx	-.003	2
46	MP4B	X	6.55	4
47	MP4B	Z	11.346	4
48	MP4B	Mx	-.003	4
49	MP4C	X	3.746	2
50	MP4C	Z	6.488	2
51	MP4C	Mx	.004	2
52	MP4C	X	3.746	4
53	MP4C	Z	6.488	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	7.317	3
65	MP3A	Z	12.673	3
66	MP3A	Mx	.004	3
67	MP3B	X	7.317	3
68	MP3B	Z	12.673	3
69	MP3B	Mx	.004	3
70	MP3C	X	5.854	3
71	MP3C	Z	10.139	3
72	MP3C	Mx	-.006	3
73	M107	X	15.212	1.25
74	M107	Z	26.347	1.25
75	M107	Mx	0	1.25
76	MP1A	X	6.236	1.5
77	MP1A	Z	10.8	1.5
78	MP1A	Mx	-.003	1.5
79	MP1A	X	6.236	4.5
80	MP1A	Z	10.8	4.5
81	MP1A	Mx	-.003	4.5
82	MP1B	X	6.236	1.5
83	MP1B	Z	10.8	1.5
84	MP1B	Mx	-.003	1.5
85	MP1B	X	6.236	4.5
86	MP1B	Z	10.8	4.5
87	MP1B	Mx	-.003	4.5
88	MP1C	X	7.881	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	13.65	1.5
90	MP1C	Mx	.007	1.5
91	MP1C	X	7.881	4.5
92	MP1C	Z	13.65	4.5
93	MP1C	Mx	.007	4.5
94	MP5A	X	6.236	1.5
95	MP5A	Z	10.8	1.5
96	MP5A	Mx	-.003	1.5
97	MP5A	X	6.236	4.5
98	MP5A	Z	10.8	4.5
99	MP5A	Mx	-.003	4.5
100	MP5B	X	6.236	1.5
101	MP5B	Z	10.8	1.5
102	MP5B	Mx	-.003	1.5
103	MP5B	X	6.236	4.5
104	MP5B	Z	10.8	4.5
105	MP5B	Mx	-.003	4.5
106	MP5C	X	7.881	1.5
107	MP5C	Z	13.65	1.5
108	MP5C	Mx	.007	1.5
109	MP5C	X	7.881	4.5
110	MP5C	Z	13.65	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	38.079	1
3	MP2A	Mx	.029	1
4	MP2A	X	0	5
5	MP2A	Z	38.079	5
6	MP2A	Mx	.029	5
7	MP2B	X	0	1
8	MP2B	Z	31.117	1
9	MP2B	Mx	-.025	1
10	MP2B	X	0	5
11	MP2B	Z	31.117	5
12	MP2B	Mx	-.025	5
13	MP2C	X	0	1
14	MP2C	Z	29.076	1
15	MP2C	Mx	.011	1
16	MP2C	X	0	5
17	MP2C	Z	29.076	5
18	MP2C	Mx	.011	5
19	MP2A	X	0	1
20	MP2A	Z	38.079	1
21	MP2A	Mx	-.029	1
22	MP2A	X	0	5
23	MP2A	Z	38.079	5
24	MP2A	Mx	-.029	5
25	MP2B	X	0	1
26	MP2B	Z	31.117	1
27	MP2B	Mx	-.002	1
28	MP2B	X	0	5
29	MP2B	Z	31.117	5
30	MP2B	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	0	1
32	MP2C	Z	29.076	1
33	MP2C	Mx	.018	1
34	MP2C	X	0	5
35	MP2C	Z	29.076	5
36	MP2C	Mx	.018	5
37	MP4A	X	0	2
38	MP4A	Z	15.316	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	15.316	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	8.67	2
45	MP4B	Mx	-.004	2
46	MP4B	X	0	4
47	MP4B	Z	8.67	4
48	MP4B	Mx	-.004	4
49	MP4C	X	0	2
50	MP4C	Z	6.722	2
51	MP4C	Mx	.003	2
52	MP4C	X	0	4
53	MP4C	Z	6.722	4
54	MP4C	Mx	.003	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	12.322	3
69	MP3B	Mx	.005	3
70	MP3C	X	0	3
71	MP3C	Z	11.306	3
72	MP3C	Mx	-.006	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	11.172	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	11.172	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	15.07	1.5
84	MP1B	Mx	-.007	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	15.07	4.5
87	MP1B	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	X	0	1.5
89	MP1C	Z	16.213	1.5
90	MP1C	Mx	.008	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	16.213	4.5
93	MP1C	Mx	.008	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	11.172	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	11.172	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	15.07	1.5
102	MP5B	Mx	-.007	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	15.07	4.5
105	MP5B	Mx	-.007	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	16.213	1.5
108	MP5C	Mx	.008	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	16.213	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	-17.879	1
2	MP2A	Z	30.967	1
3	MP2A	Mx	.032	1
4	MP2A	X	-17.879	5
5	MP2A	Z	30.967	5
6	MP2A	Mx	.032	5
7	MP2B	X	-14.398	1
8	MP2B	Z	24.938	1
9	MP2B	Mx	-.014	1
10	MP2B	X	-14.398	5
11	MP2B	Z	24.938	5
12	MP2B	Mx	-.014	5
13	MP2C	X	-16.316	1
14	MP2C	Z	28.26	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-16.316	5
17	MP2C	Z	28.26	5
18	MP2C	Mx	-.003	5
19	MP2A	X	-17.879	1
20	MP2A	Z	30.967	1
21	MP2A	Mx	-.014	1
22	MP2A	X	-17.879	5
23	MP2A	Z	30.967	5
24	MP2A	Mx	-.014	5
25	MP2B	X	-14.398	1
26	MP2B	Z	24.938	1
27	MP2B	Mx	-.014	1
28	MP2B	X	-14.398	5
29	MP2B	Z	24.938	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.014	5
31	MP2C	X	-16.316	1
32	MP2C	Z	28.26	1
33	MP2C	Mx	.028	1
34	MP2C	X	-16.316	5
35	MP2C	Z	28.26	5
36	MP2C	Mx	.028	5
37	MP4A	X	-6.55	2
38	MP4A	Z	11.346	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.55	4
41	MP4A	Z	11.346	4
42	MP4A	Mx	.003	4
43	MP4B	X	-3.228	2
44	MP4B	Z	5.59	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-3.228	4
47	MP4B	Z	5.59	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-5.058	2
50	MP4C	Z	8.761	2
51	MP4C	Mx	.004	2
52	MP4C	X	-5.058	4
53	MP4C	Z	8.761	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	-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	-7.317	3
65	MP3A	Z	12.673	3
66	MP3A	Mx	-.004	3
67	MP3B	X	-5.583	3
68	MP3B	Z	9.67	3
69	MP3B	Mx	.006	3
70	MP3C	X	-6.538	3
71	MP3C	Z	11.324	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	-6.236	1.5
77	MP1A	Z	10.8	1.5
78	MP1A	Mx	.003	1.5
79	MP1A	X	-6.236	4.5
80	MP1A	Z	10.8	4.5
81	MP1A	Mx	.003	4.5
82	MP1B	X	-8.185	1.5
83	MP1B	Z	14.176	1.5
84	MP1B	Mx	-.008	1.5
85	MP1B	X	-8.185	4.5
86	MP1B	Z	14.176	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1B	Mx	-.008	4.5
88	MP1C	X	-7.111	1.5
89	MP1C	Z	12.317	1.5
90	MP1C	Mx	.005	1.5
91	MP1C	X	-7.111	4.5
92	MP1C	Z	12.317	4.5
93	MP1C	Mx	.005	4.5
94	MP5A	X	-6.236	1.5
95	MP5A	Z	10.8	1.5
96	MP5A	Mx	.003	1.5
97	MP5A	X	-6.236	4.5
98	MP5A	Z	10.8	4.5
99	MP5A	Mx	.003	4.5
100	MP5B	X	-8.185	1.5
101	MP5B	Z	14.176	1.5
102	MP5B	Mx	-.008	1.5
103	MP5B	X	-8.185	4.5
104	MP5B	Z	14.176	4.5
105	MP5B	Mx	-.008	4.5
106	MP5C	X	-7.111	1.5
107	MP5C	Z	12.317	1.5
108	MP5C	Mx	.005	1.5
109	MP5C	X	-7.111	4.5
110	MP5C	Z	12.317	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	-26.948	1
2	MP2A	Z	15.558	1
3	MP2A	Mx	.025	1
4	MP2A	X	-26.948	5
5	MP2A	Z	15.558	5
6	MP2A	Mx	.025	5
7	MP2B	X	-26.948	1
8	MP2B	Z	15.558	1
9	MP2B	Mx	-.002	1
10	MP2B	X	-26.948	5
11	MP2B	Z	15.558	5
12	MP2B	Mx	-.002	5
13	MP2C	X	-32.037	1
14	MP2C	Z	18.496	1
15	MP2C	Mx	-.02	1
16	MP2C	X	-32.037	5
17	MP2C	Z	18.496	5
18	MP2C	Mx	-.02	5
19	MP2A	X	-26.948	1
20	MP2A	Z	15.558	1
21	MP2A	Mx	.002	1
22	MP2A	X	-26.948	5
23	MP2A	Z	15.558	5
24	MP2A	Mx	.002	5
25	MP2B	X	-26.948	1
26	MP2B	Z	15.558	1
27	MP2B	Mx	-.025	1
28	MP2B	X	-26.948	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	15.558	5
30	MP2B	Mx	-.025	5
31	MP2C	X	-32.037	1
32	MP2C	Z	18.496	1
33	MP2C	Mx	.032	1
34	MP2C	X	-32.037	5
35	MP2C	Z	18.496	5
36	MP2C	Mx	.032	5
37	MP4A	X	-7.509	2
38	MP4A	Z	4.335	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.509	4
41	MP4A	Z	4.335	4
42	MP4A	Mx	.004	4
43	MP4B	X	-7.509	2
44	MP4B	Z	4.335	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-7.509	4
47	MP4B	Z	4.335	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-12.366	2
50	MP4C	Z	7.14	2
51	MP4C	Mx	.002	2
52	MP4C	X	-12.366	4
53	MP4C	Z	7.14	4
54	MP4C	Mx	.002	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	-10.671	3
65	MP3A	Z	6.161	3
66	MP3A	Mx	-.005	3
67	MP3B	X	-10.671	3
68	MP3B	Z	6.161	3
69	MP3B	Mx	.005	3
70	MP3C	X	-13.205	3
71	MP3C	Z	7.624	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	-13.051	1.5
77	MP1A	Z	7.535	1.5
78	MP1A	Mx	.007	1.5
79	MP1A	X	-13.051	4.5
80	MP1A	Z	7.535	4.5
81	MP1A	Mx	.007	4.5
82	MP1B	X	-13.051	1.5
83	MP1B	Z	7.535	1.5
84	MP1B	Mx	-.007	1.5
85	MP1B	X	-13.051	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	7.535	4.5
87	MP1B	Mx	-.007	4.5
88	MP1C	X	-10.202	1.5
89	MP1C	Z	5.89	1.5
90	MP1C	Mx	.002	1.5
91	MP1C	X	-10.202	4.5
92	MP1C	Z	5.89	4.5
93	MP1C	Mx	.002	4.5
94	MP5A	X	-13.051	1.5
95	MP5A	Z	7.535	1.5
96	MP5A	Mx	.007	1.5
97	MP5A	X	-13.051	4.5
98	MP5A	Z	7.535	4.5
99	MP5A	Mx	.007	4.5
100	MP5B	X	-13.051	1.5
101	MP5B	Z	7.535	1.5
102	MP5B	Mx	-.007	1.5
103	MP5B	X	-13.051	4.5
104	MP5B	Z	7.535	4.5
105	MP5B	Mx	-.007	4.5
106	MP5C	X	-10.202	1.5
107	MP5C	Z	5.89	1.5
108	MP5C	Mx	.002	1.5
109	MP5C	X	-10.202	4.5
110	MP5C	Z	5.89	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	-28.796	1
2	MP2A	Z	0	1
3	MP2A	Mx	.014	1
4	MP2A	X	-28.796	5
5	MP2A	Z	0	5
6	MP2A	Mx	.014	5
7	MP2B	X	-35.758	1
8	MP2B	Z	0	1
9	MP2B	Mx	.014	1
10	MP2B	X	-35.758	5
11	MP2B	Z	0	5
12	MP2B	Mx	.014	5
13	MP2C	X	-37.799	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.031	1
16	MP2C	X	-37.799	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.031	5
19	MP2A	X	-28.796	1
20	MP2A	Z	0	1
21	MP2A	Mx	.014	1
22	MP2A	X	-28.796	5
23	MP2A	Z	0	5
24	MP2A	Mx	.014	5
25	MP2B	X	-35.758	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.032	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	-35.758	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.032	5
31	MP2C	X	-37.799	1
32	MP2C	Z	0	1
33	MP2C	Mx	.025	1
34	MP2C	X	-37.799	5
35	MP2C	Z	0	5
36	MP2C	Mx	.025	5
37	MP4A	X	-6.455	2
38	MP4A	Z	0	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.455	4
41	MP4A	Z	0	4
42	MP4A	Mx	.003	4
43	MP4B	X	-13.101	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-13.101	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-15.049	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-15.049	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.001	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	-11.166	3
65	MP3A	Z	0	3
66	MP3A	Mx	-.006	3
67	MP3B	X	-14.633	3
68	MP3B	Z	0	3
69	MP3B	Mx	.004	3
70	MP3C	X	-15.649	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	-16.369	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	.008	1.5
79	MP1A	X	-16.369	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.008	4.5
82	MP1B	X	-12.471	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	-12.471	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	-.003	4.5
88	MP1C	X	-11.329	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.000984	1.5
91	MP1C	X	-11.329	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	-.000984	4.5
94	MP5A	X	-16.369	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	.008	1.5
97	MP5A	X	-16.369	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	.008	4.5
100	MP5B	X	-12.471	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	-.003	1.5
103	MP5B	X	-12.471	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	-.003	4.5
106	MP5C	X	-11.329	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	-.000984	1.5
109	MP5C	X	-11.329	4.5
110	MP5C	Z	0	4.5
111	MP5C	Mx	-.000984	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-26.948	1
2	MP2A	Z	-15.558	1
3	MP2A	Mx	.002	1
4	MP2A	X	-26.948	5
5	MP2A	Z	-15.558	5
6	MP2A	Mx	.002	5
7	MP2B	X	-32.977	1
8	MP2B	Z	-19.039	1
9	MP2B	Mx	.029	1
10	MP2B	X	-32.977	5
11	MP2B	Z	-19.039	5
12	MP2B	Mx	.029	5
13	MP2C	X	-29.656	1
14	MP2C	Z	-17.122	1
15	MP2C	Mx	-.031	1
16	MP2C	X	-29.656	5
17	MP2C	Z	-17.122	5
18	MP2C	Mx	-.031	5
19	MP2A	X	-26.948	1
20	MP2A	Z	-15.558	1
21	MP2A	Mx	.025	1
22	MP2A	X	-26.948	5
23	MP2A	Z	-15.558	5
24	MP2A	Mx	.025	5
25	MP2B	X	-32.977	1
26	MP2B	Z	-19.039	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.029	1
28	MP2B	X	-32.977	5
29	MP2B	Z	-19.039	5
30	MP2B	Mx	-.029	5
31	MP2C	X	-29.656	1
32	MP2C	Z	-17.122	1
33	MP2C	Mx	.009	1
34	MP2C	X	-29.656	5
35	MP2C	Z	-17.122	5
36	MP2C	Mx	.009	5
37	MP4A	X	-7.509	2
38	MP4A	Z	-4.335	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.509	4
41	MP4A	Z	-4.335	4
42	MP4A	Mx	.004	4
43	MP4B	X	-13.264	2
44	MP4B	Z	-7.658	2
45	MP4B	Mx	0	2
46	MP4B	X	-13.264	4
47	MP4B	Z	-7.658	4
48	MP4B	Mx	0	4
49	MP4C	X	-10.093	2
50	MP4C	Z	-5.827	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-10.093	4
53	MP4C	Z	-5.827	4
54	MP4C	Mx	-.004	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	-10.671	3
65	MP3A	Z	-6.161	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	-12.02	3
71	MP3C	Z	-6.939	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	-13.051	1.5
77	MP1A	Z	-7.535	1.5
78	MP1A	Mx	.007	1.5
79	MP1A	X	-13.051	4.5
80	MP1A	Z	-7.535	4.5
81	MP1A	Mx	.007	4.5
82	MP1B	X	-9.675	1.5
83	MP1B	Z	-5.586	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	0	1.5
85	MP1B	X	-9.675	4.5
86	MP1B	Z	-5.586	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	-11.535	1.5
89	MP1C	Z	-6.66	1.5
90	MP1C	Mx	-.004	1.5
91	MP1C	X	-11.535	4.5
92	MP1C	Z	-6.66	4.5
93	MP1C	Mx	-.004	4.5
94	MP5A	X	-13.051	1.5
95	MP5A	Z	-7.535	1.5
96	MP5A	Mx	.007	1.5
97	MP5A	X	-13.051	4.5
98	MP5A	Z	-7.535	4.5
99	MP5A	Mx	.007	4.5
100	MP5B	X	-9.675	1.5
101	MP5B	Z	-5.586	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	-9.675	4.5
104	MP5B	Z	-5.586	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	-11.535	1.5
107	MP5C	Z	-6.66	1.5
108	MP5C	Mx	-.004	1.5
109	MP5C	X	-11.535	4.5
110	MP5C	Z	-6.66	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	-17.879	1
2	MP2A	Z	-30.967	1
3	MP2A	Mx	-.014	1
4	MP2A	X	-17.879	5
5	MP2A	Z	-30.967	5
6	MP2A	Mx	-.014	5
7	MP2B	X	-17.879	1
8	MP2B	Z	-30.967	1
9	MP2B	Mx	.032	1
10	MP2B	X	-17.879	5
11	MP2B	Z	-30.967	5
12	MP2B	Mx	.032	5
13	MP2C	X	-14.941	1
14	MP2C	Z	-25.879	1
15	MP2C	Mx	-.022	1
16	MP2C	X	-14.941	5
17	MP2C	Z	-25.879	5
18	MP2C	Mx	-.022	5
19	MP2A	X	-17.879	1
20	MP2A	Z	-30.967	1
21	MP2A	Mx	.032	1
22	MP2A	X	-17.879	5
23	MP2A	Z	-30.967	5
24	MP2A	Mx	.032	5
25	MP2B	X	-17.879	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	-30.967	1
27	MP2B	Mx	-.014	1
28	MP2B	X	-17.879	5
29	MP2B	Z	-30.967	5
30	MP2B	Mx	-.014	5
31	MP2C	X	-14.941	1
32	MP2C	Z	-25.879	1
33	MP2C	Mx	-.006	1
34	MP2C	X	-14.941	5
35	MP2C	Z	-25.879	5
36	MP2C	Mx	-.006	5
37	MP4A	X	-6.55	2
38	MP4A	Z	-11.346	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.55	4
41	MP4A	Z	-11.346	4
42	MP4A	Mx	.003	4
43	MP4B	X	-6.55	2
44	MP4B	Z	-11.346	2
45	MP4B	Mx	.003	2
46	MP4B	X	-6.55	4
47	MP4B	Z	-11.346	4
48	MP4B	Mx	.003	4
49	MP4C	X	-3.746	2
50	MP4C	Z	-6.488	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-3.746	4
53	MP4C	Z	-6.488	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	-7.317	3
65	MP3A	Z	-12.673	3
66	MP3A	Mx	-.004	3
67	MP3B	X	-7.317	3
68	MP3B	Z	-12.673	3
69	MP3B	Mx	-.004	3
70	MP3C	X	-5.854	3
71	MP3C	Z	-10.139	3
72	MP3C	Mx	.006	3
73	M107	X	-15.212	1.25
74	M107	Z	-26.347	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-6.236	1.5
77	MP1A	Z	-10.8	1.5
78	MP1A	Mx	.003	1.5
79	MP1A	X	-6.236	4.5
80	MP1A	Z	-10.8	4.5
81	MP1A	Mx	.003	4.5
82	MP1B	X	-6.236	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1B	Z	-10.8	1.5
84	MP1B	Mx	.003	1.5
85	MP1B	X	-6.236	4.5
86	MP1B	Z	-10.8	4.5
87	MP1B	Mx	.003	4.5
88	MP1C	X	-7.881	1.5
89	MP1C	Z	-13.65	1.5
90	MP1C	Mx	-.007	1.5
91	MP1C	X	-7.881	4.5
92	MP1C	Z	-13.65	4.5
93	MP1C	Mx	-.007	4.5
94	MP5A	X	-6.236	1.5
95	MP5A	Z	-10.8	1.5
96	MP5A	Mx	.003	1.5
97	MP5A	X	-6.236	4.5
98	MP5A	Z	-10.8	4.5
99	MP5A	Mx	.003	4.5
100	MP5B	X	-6.236	1.5
101	MP5B	Z	-10.8	1.5
102	MP5B	Mx	.003	1.5
103	MP5B	X	-6.236	4.5
104	MP5B	Z	-10.8	4.5
105	MP5B	Mx	.003	4.5
106	MP5C	X	-7.881	1.5
107	MP5C	Z	-13.65	1.5
108	MP5C	Mx	-.007	1.5
109	MP5C	X	-7.881	4.5
110	MP5C	Z	-13.65	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	-6.035	1
3	MP2A	Mx	-.005	1
4	MP2A	X	0	5
5	MP2A	Z	-6.035	5
6	MP2A	Mx	-.005	5
7	MP2B	X	0	1
8	MP2B	Z	-4.896	1
9	MP2B	Mx	.004	1
10	MP2B	X	0	5
11	MP2B	Z	-4.896	5
12	MP2B	Mx	.004	5
13	MP2C	X	0	1
14	MP2C	Z	-4.562	1
15	MP2C	Mx	-.002	1
16	MP2C	X	0	5
17	MP2C	Z	-4.562	5
18	MP2C	Mx	-.002	5
19	MP2A	X	0	1
20	MP2A	Z	-6.035	1
21	MP2A	Mx	.005	1
22	MP2A	X	0	5
23	MP2A	Z	-6.035	5
24	MP2A	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	0	1
26	MP2B	Z	-4.896	1
27	MP2B	Mx	.000284	1
28	MP2B	X	0	5
29	MP2B	Z	-4.896	5
30	MP2B	Mx	.000284	5
31	MP2C	X	0	1
32	MP2C	Z	-4.562	1
33	MP2C	Mx	-.003	1
34	MP2C	X	0	5
35	MP2C	Z	-4.562	5
36	MP2C	Mx	-.003	5
37	MP4A	X	0	2
38	MP4A	Z	-4.836	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-4.836	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-2.606	2
45	MP4B	Mx	.001	2
46	MP4B	X	0	4
47	MP4B	Z	-2.606	4
48	MP4B	Mx	.001	4
49	MP4C	X	0	2
50	MP4C	Z	-1.952	2
51	MP4C	Mx	-.000961	2
52	MP4C	X	0	4
53	MP4C	Z	-1.952	4
54	MP4C	Mx	-.000961	4
55	MP2A	X	0	3
56	MP2A	Z	-3.952	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	-2.976	3
60	MP2B	Mx	-.001	3
61	MP2C	X	0	3
62	MP2C	Z	-2.691	3
63	MP2C	Mx	.001	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	-3.63	3
69	MP3B	Mx	-.002	3
70	MP3C	X	0	3
71	MP3C	Z	-3.296	3
72	MP3C	Mx	.002	3
73	M107	X	0	1.25
74	M107	Z	-7.597	1.25
75	M107	Mx	0	1.25
76	MP1A	X	0	1.5
77	MP1A	Z	-3.33	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	-3.33	4.5
81	MP1A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1B	X	0	1.5
83	MP1B	Z	-4.701	1.5
84	MP1B	Mx	.002	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	-4.701	4.5
87	MP1B	Mx	.002	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	-5.103	1.5
90	MP1C	Mx	-.003	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	-5.103	4.5
93	MP1C	Mx	-.003	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	-3.33	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	-3.33	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	-4.701	1.5
102	MP5B	Mx	.002	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	-4.701	4.5
105	MP5B	Mx	.002	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	-5.103	1.5
108	MP5C	Mx	-.003	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	-5.103	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	2.828	1
2	MP2A	Z	-4.898	1
3	MP2A	Mx	-.005	1
4	MP2A	X	2.828	5
5	MP2A	Z	-4.898	5
6	MP2A	Mx	-.005	5
7	MP2B	X	2.258	1
8	MP2B	Z	-3.911	1
9	MP2B	Mx	.002	1
10	MP2B	X	2.258	5
11	MP2B	Z	-3.911	5
12	MP2B	Mx	.002	5
13	MP2C	X	2.572	1
14	MP2C	Z	-4.455	1
15	MP2C	Mx	.00051	1
16	MP2C	X	2.572	5
17	MP2C	Z	-4.455	5
18	MP2C	Mx	.00051	5
19	MP2A	X	2.828	1
20	MP2A	Z	-4.898	1
21	MP2A	Mx	.002	1
22	MP2A	X	2.828	5
23	MP2A	Z	-4.898	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.002	5
25	MP2B	X	2.258	1
26	MP2B	Z	-3.911	1
27	MP2B	Mx	.002	1
28	MP2B	X	2.258	5
29	MP2B	Z	-3.911	5
30	MP2B	Mx	.002	5
31	MP2C	X	2.572	1
32	MP2C	Z	-4.455	1
33	MP2C	Mx	-.004	1
34	MP2C	X	2.572	5
35	MP2C	Z	-4.455	5
36	MP2C	Mx	-.004	5
37	MP4A	X	2.046	2
38	MP4A	Z	-3.544	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.046	4
41	MP4A	Z	-3.544	4
42	MP4A	Mx	-.001	4
43	MP4B	X	.931	2
44	MP4B	Z	-1.613	2
45	MP4B	Mx	.000931	2
46	MP4B	X	.931	4
47	MP4B	Z	-1.613	4
48	MP4B	Mx	.000931	4
49	MP4C	X	1.545	2
50	MP4C	Z	-2.677	2
51	MP4C	Mx	-.001	2
52	MP4C	X	1.545	4
53	MP4C	Z	-2.677	4
54	MP4C	Mx	-.001	4
55	MP2A	X	1.813	3
56	MP2A	Z	-3.141	3
57	MP2A	Mx	.000906	3
58	MP2B	X	1.326	3
59	MP2B	Z	-2.296	3
60	MP2B	Mx	-.001	3
61	MP2C	X	1.594	3
62	MP2C	Z	-2.761	3
63	MP2C	Mx	.001	3
64	MP3A	X	2.194	3
65	MP3A	Z	-3.8	3
66	MP3A	Mx	.001	3
67	MP3B	X	1.625	3
68	MP3B	Z	-2.815	3
69	MP3B	Mx	-.002	3
70	MP3C	X	1.939	3
71	MP3C	Z	-3.358	3
72	MP3C	Mx	.001	3
73	M107	X	3.314	1.25
74	M107	Z	-5.74	1.25
75	M107	Mx	0	1.25
76	MP1A	X	1.893	1.5
77	MP1A	Z	-3.28	1.5
78	MP1A	Mx	-.000947	1.5
79	MP1A	X	1.893	4.5
80	MP1A	Z	-3.28	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	-.000947	4.5
82	MP1B	X	2.579	1.5
83	MP1B	Z	-4.467	1.5
84	MP1B	Mx	.003	1.5
85	MP1B	X	2.579	4.5
86	MP1B	Z	-4.467	4.5
87	MP1B	Mx	.003	4.5
88	MP1C	X	2.201	1.5
89	MP1C	Z	-3.813	1.5
90	MP1C	Mx	-.002	1.5
91	MP1C	X	2.201	4.5
92	MP1C	Z	-3.813	4.5
93	MP1C	Mx	-.002	4.5
94	MP5A	X	1.893	1.5
95	MP5A	Z	-3.28	1.5
96	MP5A	Mx	-.000947	1.5
97	MP5A	X	1.893	4.5
98	MP5A	Z	-3.28	4.5
99	MP5A	Mx	-.000947	4.5
100	MP5B	X	2.579	1.5
101	MP5B	Z	-4.467	1.5
102	MP5B	Mx	.003	1.5
103	MP5B	X	2.579	4.5
104	MP5B	Z	-4.467	4.5
105	MP5B	Mx	.003	4.5
106	MP5C	X	2.201	1.5
107	MP5C	Z	-3.813	1.5
108	MP5C	Mx	-.002	1.5
109	MP5C	X	2.201	4.5
110	MP5C	Z	-3.813	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	4.24	1
2	MP2A	Z	-2.448	1
3	MP2A	Mx	-.004	1
4	MP2A	X	4.24	5
5	MP2A	Z	-2.448	5
6	MP2A	Mx	-.004	5
7	MP2B	X	4.24	1
8	MP2B	Z	-2.448	1
9	MP2B	Mx	.000284	1
10	MP2B	X	4.24	5
11	MP2B	Z	-2.448	5
12	MP2B	Mx	.000284	5
13	MP2C	X	5.073	1
14	MP2C	Z	-2.929	1
15	MP2C	Mx	.003	1
16	MP2C	X	5.073	5
17	MP2C	Z	-2.929	5
18	MP2C	Mx	.003	5
19	MP2A	X	4.24	1
20	MP2A	Z	-2.448	1
21	MP2A	Mx	-.000284	1
22	MP2A	X	4.24	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-2.448	5
24	MP2A	Mx	-.000284	5
25	MP2B	X	4.24	1
26	MP2B	Z	-2.448	1
27	MP2B	Mx	.004	1
28	MP2B	X	4.24	5
29	MP2B	Z	-2.448	5
30	MP2B	Mx	.004	5
31	MP2C	X	5.073	1
32	MP2C	Z	-2.929	1
33	MP2C	Mx	-.005	1
34	MP2C	X	5.073	5
35	MP2C	Z	-2.929	5
36	MP2C	Mx	-.005	5
37	MP4A	X	2.257	2
38	MP4A	Z	-1.303	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.257	4
41	MP4A	Z	-1.303	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.257	2
44	MP4B	Z	-1.303	2
45	MP4B	Mx	.001	2
46	MP4B	X	2.257	4
47	MP4B	Z	-1.303	4
48	MP4B	Mx	.001	4
49	MP4C	X	3.887	2
50	MP4C	Z	-2.244	2
51	MP4C	Mx	-.000767	2
52	MP4C	X	3.887	4
53	MP4C	Z	-2.244	4
54	MP4C	Mx	-.000767	4
55	MP2A	X	2.578	3
56	MP2A	Z	-1.488	3
57	MP2A	Mx	.001	3
58	MP2B	X	2.578	3
59	MP2B	Z	-1.488	3
60	MP2B	Mx	-.001	3
61	MP2C	X	3.29	3
62	MP2C	Z	-1.9	3
63	MP2C	Mx	.00065	3
64	MP3A	X	3.143	3
65	MP3A	Z	-1.815	3
66	MP3A	Mx	.002	3
67	MP3B	X	3.143	3
68	MP3B	Z	-1.815	3
69	MP3B	Mx	-.002	3
70	MP3C	X	3.975	3
71	MP3C	Z	-2.295	3
72	MP3C	Mx	.000785	3
73	M107	X	5.321	1.25
74	M107	Z	-3.072	1.25
75	M107	Mx	0	1.25
76	MP1A	X	4.071	1.5
77	MP1A	Z	-2.35	1.5
78	MP1A	Mx	-.002	1.5
79	MP1A	X	4.071	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	-2.35	4.5
81	MP1A	Mx	-.002	4.5
82	MP1B	X	4.071	1.5
83	MP1B	Z	-2.35	1.5
84	MP1B	Mx	.002	1.5
85	MP1B	X	4.071	4.5
86	MP1B	Z	-2.35	4.5
87	MP1B	Mx	.002	4.5
88	MP1C	X	3.069	1.5
89	MP1C	Z	-1.772	1.5
90	MP1C	Mx	-.000606	1.5
91	MP1C	X	3.069	4.5
92	MP1C	Z	-1.772	4.5
93	MP1C	Mx	-.000606	4.5
94	MP5A	X	4.071	1.5
95	MP5A	Z	-2.35	1.5
96	MP5A	Mx	-.002	1.5
97	MP5A	X	4.071	4.5
98	MP5A	Z	-2.35	4.5
99	MP5A	Mx	-.002	4.5
100	MP5B	X	4.071	1.5
101	MP5B	Z	-2.35	1.5
102	MP5B	Mx	.002	1.5
103	MP5B	X	4.071	4.5
104	MP5B	Z	-2.35	4.5
105	MP5B	Mx	.002	4.5
106	MP5C	X	3.069	1.5
107	MP5C	Z	-1.772	1.5
108	MP5C	Mx	-.000606	1.5
109	MP5C	X	3.069	4.5
110	MP5C	Z	-1.772	4.5
111	MP5C	Mx	-.000606	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.517	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.002	1
4	MP2A	X	4.517	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.002	5
7	MP2B	X	5.655	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.002	1
10	MP2B	X	5.655	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.002	5
13	MP2C	X	5.989	1
14	MP2C	Z	0	1
15	MP2C	Mx	.005	1
16	MP2C	X	5.989	5
17	MP2C	Z	0	5
18	MP2C	Mx	.005	5
19	MP2A	X	4.517	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	4.517	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.002	5
25	MP2B	X	5.655	1
26	MP2B	Z	0	1
27	MP2B	Mx	.005	1
28	MP2B	X	5.655	5
29	MP2B	Z	0	5
30	MP2B	Mx	.005	5
31	MP2C	X	5.989	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.004	1
34	MP2C	X	5.989	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.004	5
37	MP4A	X	1.862	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.000931	2
40	MP4A	X	1.862	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.000931	4
43	MP4B	X	4.092	2
44	MP4B	Z	0	2
45	MP4B	Mx	.001	2
46	MP4B	X	4.092	4
47	MP4B	Z	0	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.746	2
50	MP4C	Z	0	2
51	MP4C	Mx	.000412	2
52	MP4C	X	4.746	4
53	MP4C	Z	0	4
54	MP4C	Mx	.000412	4
55	MP2A	X	2.651	3
56	MP2A	Z	0	3
57	MP2A	Mx	.001	3
58	MP2B	X	3.626	3
59	MP2B	Z	0	3
60	MP2B	Mx	-.000906	3
61	MP2C	X	3.912	3
62	MP2C	Z	0	3
63	MP2C	Mx	-.00034	3
64	MP3A	X	3.25	3
65	MP3A	Z	0	3
66	MP3A	Mx	.002	3
67	MP3B	X	4.388	3
68	MP3B	Z	0	3
69	MP3B	Mx	-.001	3
70	MP3C	X	4.722	3
71	MP3C	Z	0	3
72	MP3C	Mx	-.00041	3
73	M107	X	6.628	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	5.158	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	5.158	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.003	4.5
82	MP1B	X	3.787	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	.000947	1.5
85	MP1B	X	3.787	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	.000947	4.5
88	MP1C	X	3.385	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.000294	1.5
91	MP1C	X	3.385	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	.000294	4.5
94	MP5A	X	5.158	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	-.003	1.5
97	MP5A	X	5.158	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	-.003	4.5
100	MP5B	X	3.787	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	.000947	1.5
103	MP5B	X	3.787	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	.000947	4.5
106	MP5C	X	3.385	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	.000294	1.5
109	MP5C	X	3.385	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,%]
1	MP2A	X	4.24	1
2	MP2A	Z	2.448	1
3	MP2A	Mx	-.000284	1
4	MP2A	X	4.24	5
5	MP2A	Z	2.448	5
6	MP2A	Mx	-.000284	5
7	MP2B	X	5.226	1
8	MP2B	Z	3.017	1
9	MP2B	Mx	-.005	1
10	MP2B	X	5.226	5
11	MP2B	Z	3.017	5
12	MP2B	Mx	-.005	5
13	MP2C	X	4.683	1
14	MP2C	Z	2.704	1
15	MP2C	Mx	.005	1
16	MP2C	X	4.683	5
17	MP2C	Z	2.704	5
18	MP2C	Mx	.005	5
19	MP2A	X	4.24	1
20	MP2A	Z	2.448	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.004	1
22	MP2A	X	4.24	5
23	MP2A	Z	2.448	5
24	MP2A	Mx	-.004	5
25	MP2B	X	5.226	1
26	MP2B	Z	3.017	1
27	MP2B	Mx	.005	1
28	MP2B	X	5.226	5
29	MP2B	Z	3.017	5
30	MP2B	Mx	.005	5
31	MP2C	X	4.683	1
32	MP2C	Z	2.704	1
33	MP2C	Mx	-.001	1
34	MP2C	X	4.683	5
35	MP2C	Z	2.704	5
36	MP2C	Mx	-.001	5
37	MP4A	X	2.257	2
38	MP4A	Z	1.303	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.257	4
41	MP4A	Z	1.303	4
42	MP4A	Mx	-.001	4
43	MP4B	X	4.188	2
44	MP4B	Z	2.418	2
45	MP4B	Mx	0	2
46	MP4B	X	4.188	4
47	MP4B	Z	2.418	4
48	MP4B	Mx	0	4
49	MP4C	X	3.124	2
50	MP4C	Z	1.804	2
51	MP4C	Mx	.001	2
52	MP4C	X	3.124	4
53	MP4C	Z	1.804	4
54	MP4C	Mx	.001	4
55	MP2A	X	2.578	3
56	MP2A	Z	1.488	3
57	MP2A	Mx	.001	3
58	MP2B	X	3.422	3
59	MP2B	Z	1.976	3
60	MP2B	Mx	0	3
61	MP2C	X	2.957	3
62	MP2C	Z	1.707	3
63	MP2C	Mx	-.001	3
64	MP3A	X	3.143	3
65	MP3A	Z	1.815	3
66	MP3A	Mx	.002	3
67	MP3B	X	4.129	3
68	MP3B	Z	2.384	3
69	MP3B	Mx	0	3
70	MP3C	X	3.586	3
71	MP3C	Z	2.07	3
72	MP3C	Mx	-.001	3
73	M107	X	6.579	1.25
74	M107	Z	3.799	1.25
75	M107	Mx	0	1.25
76	MP1A	X	4.071	1.5
77	MP1A	Z	2.35	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	-.002	1.5
79	MP1A	X	4.071	4.5
80	MP1A	Z	2.35	4.5
81	MP1A	Mx	-.002	4.5
82	MP1B	X	2.884	1.5
83	MP1B	Z	1.665	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	2.884	4.5
86	MP1B	Z	1.665	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	3.538	1.5
89	MP1C	Z	2.043	1.5
90	MP1C	Mx	.001	1.5
91	MP1C	X	3.538	4.5
92	MP1C	Z	2.043	4.5
93	MP1C	Mx	.001	4.5
94	MP5A	X	4.071	1.5
95	MP5A	Z	2.35	1.5
96	MP5A	Mx	-.002	1.5
97	MP5A	X	4.071	4.5
98	MP5A	Z	2.35	4.5
99	MP5A	Mx	-.002	4.5
100	MP5B	X	2.884	1.5
101	MP5B	Z	1.665	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	2.884	4.5
104	MP5B	Z	1.665	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	3.538	1.5
107	MP5C	Z	2.043	1.5
108	MP5C	Mx	.001	1.5
109	MP5C	X	3.538	4.5
110	MP5C	Z	2.043	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,%]
1	MP2A	X	2.828	1
2	MP2A	Z	4.898	1
3	MP2A	Mx	.002	1
4	MP2A	X	2.828	5
5	MP2A	Z	4.898	5
6	MP2A	Mx	.002	5
7	MP2B	X	2.828	1
8	MP2B	Z	4.898	1
9	MP2B	Mx	-.005	1
10	MP2B	X	2.828	5
11	MP2B	Z	4.898	5
12	MP2B	Mx	-.005	5
13	MP2C	X	2.347	1
14	MP2C	Z	4.065	1
15	MP2C	Mx	.003	1
16	MP2C	X	2.347	5
17	MP2C	Z	4.065	5
18	MP2C	Mx	.003	5
19	MP2A	X	2.828	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	4.898	1
21	MP2A	Mx	-.005	1
22	MP2A	X	2.828	5
23	MP2A	Z	4.898	5
24	MP2A	Mx	-.005	5
25	MP2B	X	2.828	1
26	MP2B	Z	4.898	1
27	MP2B	Mx	.002	1
28	MP2B	X	2.828	5
29	MP2B	Z	4.898	5
30	MP2B	Mx	.002	5
31	MP2C	X	2.347	1
32	MP2C	Z	4.065	1
33	MP2C	Mx	.001	1
34	MP2C	X	2.347	5
35	MP2C	Z	4.065	5
36	MP2C	Mx	.001	5
37	MP4A	X	2.046	2
38	MP4A	Z	3.544	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.046	4
41	MP4A	Z	3.544	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.046	2
44	MP4B	Z	3.544	2
45	MP4B	Mx	-.001	2
46	MP4B	X	2.046	4
47	MP4B	Z	3.544	4
48	MP4B	Mx	-.001	4
49	MP4C	X	1.105	2
50	MP4C	Z	1.914	2
51	MP4C	Mx	.001	2
52	MP4C	X	1.105	4
53	MP4C	Z	1.914	4
54	MP4C	Mx	.001	4
55	MP2A	X	1.813	3
56	MP2A	Z	3.141	3
57	MP2A	Mx	.000906	3
58	MP2B	X	1.813	3
59	MP2B	Z	3.141	3
60	MP2B	Mx	.000907	3
61	MP2C	X	1.402	3
62	MP2C	Z	2.428	3
63	MP2C	Mx	-.001	3
64	MP3A	X	2.194	3
65	MP3A	Z	3.8	3
66	MP3A	Mx	.001	3
67	MP3B	X	2.194	3
68	MP3B	Z	3.8	3
69	MP3B	Mx	.001	3
70	MP3C	X	1.714	3
71	MP3C	Z	2.969	3
72	MP3C	Mx	-.002	3
73	M107	X	4.041	1.25
74	M107	Z	6.999	1.25
75	M107	Mx	0	1.25
76	MP1A	X	1.893	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1A	Z	3.28	1.5
78	MP1A	Mx	-.000947	1.5
79	MP1A	X	1.893	4.5
80	MP1A	Z	3.28	4.5
81	MP1A	Mx	-.000947	4.5
82	MP1B	X	1.893	1.5
83	MP1B	Z	3.28	1.5
84	MP1B	Mx	-.000947	1.5
85	MP1B	X	1.893	4.5
86	MP1B	Z	3.28	4.5
87	MP1B	Mx	-.000947	4.5
88	MP1C	X	2.472	1.5
89	MP1C	Z	4.282	1.5
90	MP1C	Mx	.002	1.5
91	MP1C	X	2.472	4.5
92	MP1C	Z	4.282	4.5
93	MP1C	Mx	.002	4.5
94	MP5A	X	1.893	1.5
95	MP5A	Z	3.28	1.5
96	MP5A	Mx	-.000947	1.5
97	MP5A	X	1.893	4.5
98	MP5A	Z	3.28	4.5
99	MP5A	Mx	-.000947	4.5
100	MP5B	X	1.893	1.5
101	MP5B	Z	3.28	1.5
102	MP5B	Mx	-.000947	1.5
103	MP5B	X	1.893	4.5
104	MP5B	Z	3.28	4.5
105	MP5B	Mx	-.000947	4.5
106	MP5C	X	2.472	1.5
107	MP5C	Z	4.282	1.5
108	MP5C	Mx	.002	1.5
109	MP5C	X	2.472	4.5
110	MP5C	Z	4.282	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,%]
1	MP2A	X	0	1
2	MP2A	Z	6.035	1
3	MP2A	Mx	.005	1
4	MP2A	X	0	5
5	MP2A	Z	6.035	5
6	MP2A	Mx	.005	5
7	MP2B	X	0	1
8	MP2B	Z	4.896	1
9	MP2B	Mx	-.004	1
10	MP2B	X	0	5
11	MP2B	Z	4.896	5
12	MP2B	Mx	-.004	5
13	MP2C	X	0	1
14	MP2C	Z	4.562	1
15	MP2C	Mx	.002	1
16	MP2C	X	0	5
17	MP2C	Z	4.562	5
18	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	0	1
20	MP2A	Z	6.035	1
21	MP2A	Mx	-.005	1
22	MP2A	X	0	5
23	MP2A	Z	6.035	5
24	MP2A	Mx	-.005	5
25	MP2B	X	0	1
26	MP2B	Z	4.896	1
27	MP2B	Mx	-.000284	1
28	MP2B	X	0	5
29	MP2B	Z	4.896	5
30	MP2B	Mx	-.000284	5
31	MP2C	X	0	1
32	MP2C	Z	4.562	1
33	MP2C	Mx	.003	1
34	MP2C	X	0	5
35	MP2C	Z	4.562	5
36	MP2C	Mx	.003	5
37	MP4A	X	0	2
38	MP4A	Z	4.836	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	4.836	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	2.606	2
45	MP4B	Mx	-.001	2
46	MP4B	X	0	4
47	MP4B	Z	2.606	4
48	MP4B	Mx	-.001	4
49	MP4C	X	0	2
50	MP4C	Z	1.952	2
51	MP4C	Mx	.000961	2
52	MP4C	X	0	4
53	MP4C	Z	1.952	4
54	MP4C	Mx	.000961	4
55	MP2A	X	0	3
56	MP2A	Z	3.952	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	2.976	3
60	MP2B	Mx	.001	3
61	MP2C	X	0	3
62	MP2C	Z	2.691	3
63	MP2C	Mx	-.001	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	3.63	3
69	MP3B	Mx	.002	3
70	MP3C	X	0	3
71	MP3C	Z	3.296	3
72	MP3C	Mx	-.002	3
73	M107	X	0	1.25
74	M107	Z	7.597	1.25
75	M107	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	0	1.5
77	MP1A	Z	3.33	1.5
78	MP1A	Mx	0	1.5
79	MP1A	X	0	4.5
80	MP1A	Z	3.33	4.5
81	MP1A	Mx	0	4.5
82	MP1B	X	0	1.5
83	MP1B	Z	4.701	1.5
84	MP1B	Mx	-.002	1.5
85	MP1B	X	0	4.5
86	MP1B	Z	4.701	4.5
87	MP1B	Mx	-.002	4.5
88	MP1C	X	0	1.5
89	MP1C	Z	5.103	1.5
90	MP1C	Mx	.003	1.5
91	MP1C	X	0	4.5
92	MP1C	Z	5.103	4.5
93	MP1C	Mx	.003	4.5
94	MP5A	X	0	1.5
95	MP5A	Z	3.33	1.5
96	MP5A	Mx	0	1.5
97	MP5A	X	0	4.5
98	MP5A	Z	3.33	4.5
99	MP5A	Mx	0	4.5
100	MP5B	X	0	1.5
101	MP5B	Z	4.701	1.5
102	MP5B	Mx	-.002	1.5
103	MP5B	X	0	4.5
104	MP5B	Z	4.701	4.5
105	MP5B	Mx	-.002	4.5
106	MP5C	X	0	1.5
107	MP5C	Z	5.103	1.5
108	MP5C	Mx	.003	1.5
109	MP5C	X	0	4.5
110	MP5C	Z	5.103	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,%]
1	MP2A	X	-2.828	1
2	MP2A	Z	4.898	1
3	MP2A	Mx	.005	1
4	MP2A	X	-2.828	5
5	MP2A	Z	4.898	5
6	MP2A	Mx	.005	5
7	MP2B	X	-2.258	1
8	MP2B	Z	3.911	1
9	MP2B	Mx	-.002	1
10	MP2B	X	-2.258	5
11	MP2B	Z	3.911	5
12	MP2B	Mx	-.002	5
13	MP2C	X	-2.572	1
14	MP2C	Z	4.455	1
15	MP2C	Mx	-.00051	1
16	MP2C	X	-2.572	5
17	MP2C	Z	4.455	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.00051	5
19	MP2A	X	-2.828	1
20	MP2A	Z	4.898	1
21	MP2A	Mx	-.002	1
22	MP2A	X	-2.828	5
23	MP2A	Z	4.898	5
24	MP2A	Mx	-.002	5
25	MP2B	X	-2.258	1
26	MP2B	Z	3.911	1
27	MP2B	Mx	-.002	1
28	MP2B	X	-2.258	5
29	MP2B	Z	3.911	5
30	MP2B	Mx	-.002	5
31	MP2C	X	-2.572	1
32	MP2C	Z	4.455	1
33	MP2C	Mx	.004	1
34	MP2C	X	-2.572	5
35	MP2C	Z	4.455	5
36	MP2C	Mx	.004	5
37	MP4A	X	-2.046	2
38	MP4A	Z	3.544	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.046	4
41	MP4A	Z	3.544	4
42	MP4A	Mx	.001	4
43	MP4B	X	-.931	2
44	MP4B	Z	1.613	2
45	MP4B	Mx	-.000931	2
46	MP4B	X	-.931	4
47	MP4B	Z	1.613	4
48	MP4B	Mx	-.000931	4
49	MP4C	X	-1.545	2
50	MP4C	Z	2.677	2
51	MP4C	Mx	.001	2
52	MP4C	X	-1.545	4
53	MP4C	Z	2.677	4
54	MP4C	Mx	.001	4
55	MP2A	X	-1.813	3
56	MP2A	Z	3.141	3
57	MP2A	Mx	-.000906	3
58	MP2B	X	-1.326	3
59	MP2B	Z	2.296	3
60	MP2B	Mx	.001	3
61	MP2C	X	-1.594	3
62	MP2C	Z	2.761	3
63	MP2C	Mx	-.001	3
64	MP3A	X	-2.194	3
65	MP3A	Z	3.8	3
66	MP3A	Mx	-.001	3
67	MP3B	X	-1.625	3
68	MP3B	Z	2.815	3
69	MP3B	Mx	.002	3
70	MP3C	X	-1.939	3
71	MP3C	Z	3.358	3
72	MP3C	Mx	-.001	3
73	M107	X	-3.314	1.25
74	M107	Z	5.74	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	M107	Mx	0	1.25
76	MP1A	X	-1.893	1.5
77	MP1A	Z	3.28	1.5
78	MP1A	Mx	.000947	1.5
79	MP1A	X	-1.893	4.5
80	MP1A	Z	3.28	4.5
81	MP1A	Mx	.000947	4.5
82	MP1B	X	-2.579	1.5
83	MP1B	Z	4.467	1.5
84	MP1B	Mx	-.003	1.5
85	MP1B	X	-2.579	4.5
86	MP1B	Z	4.467	4.5
87	MP1B	Mx	-.003	4.5
88	MP1C	X	-2.201	1.5
89	MP1C	Z	3.813	1.5
90	MP1C	Mx	.002	1.5
91	MP1C	X	-2.201	4.5
92	MP1C	Z	3.813	4.5
93	MP1C	Mx	.002	4.5
94	MP5A	X	-1.893	1.5
95	MP5A	Z	3.28	1.5
96	MP5A	Mx	.000947	1.5
97	MP5A	X	-1.893	4.5
98	MP5A	Z	3.28	4.5
99	MP5A	Mx	.000947	4.5
100	MP5B	X	-2.579	1.5
101	MP5B	Z	4.467	1.5
102	MP5B	Mx	-.003	1.5
103	MP5B	X	-2.579	4.5
104	MP5B	Z	4.467	4.5
105	MP5B	Mx	-.003	4.5
106	MP5C	X	-2.201	1.5
107	MP5C	Z	3.813	1.5
108	MP5C	Mx	.002	1.5
109	MP5C	X	-2.201	4.5
110	MP5C	Z	3.813	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,%]
1	MP2A	X	-4.24	1
2	MP2A	Z	2.448	1
3	MP2A	Mx	.004	1
4	MP2A	X	-4.24	5
5	MP2A	Z	2.448	5
6	MP2A	Mx	.004	5
7	MP2B	X	-4.24	1
8	MP2B	Z	2.448	1
9	MP2B	Mx	-.000284	1
10	MP2B	X	-4.24	5
11	MP2B	Z	2.448	5
12	MP2B	Mx	-.000284	5
13	MP2C	X	-5.073	1
14	MP2C	Z	2.929	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-5.073	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	2.929	5
18	MP2C	Mx	-.003	5
19	MP2A	X	-4.24	1
20	MP2A	Z	2.448	1
21	MP2A	Mx	.000284	1
22	MP2A	X	-4.24	5
23	MP2A	Z	2.448	5
24	MP2A	Mx	.000284	5
25	MP2B	X	-4.24	1
26	MP2B	Z	2.448	1
27	MP2B	Mx	-.004	1
28	MP2B	X	-4.24	5
29	MP2B	Z	2.448	5
30	MP2B	Mx	-.004	5
31	MP2C	X	-5.073	1
32	MP2C	Z	2.929	1
33	MP2C	Mx	.005	1
34	MP2C	X	-5.073	5
35	MP2C	Z	2.929	5
36	MP2C	Mx	.005	5
37	MP4A	X	-2.257	2
38	MP4A	Z	1.303	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.257	4
41	MP4A	Z	1.303	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.257	2
44	MP4B	Z	1.303	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-2.257	4
47	MP4B	Z	1.303	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-3.887	2
50	MP4C	Z	2.244	2
51	MP4C	Mx	.000767	2
52	MP4C	X	-3.887	4
53	MP4C	Z	2.244	4
54	MP4C	Mx	.000767	4
55	MP2A	X	-2.578	3
56	MP2A	Z	1.488	3
57	MP2A	Mx	-.001	3
58	MP2B	X	-2.578	3
59	MP2B	Z	1.488	3
60	MP2B	Mx	.001	3
61	MP2C	X	-3.29	3
62	MP2C	Z	1.9	3
63	MP2C	Mx	-.00065	3
64	MP3A	X	-3.143	3
65	MP3A	Z	1.815	3
66	MP3A	Mx	-.002	3
67	MP3B	X	-3.143	3
68	MP3B	Z	1.815	3
69	MP3B	Mx	.002	3
70	MP3C	X	-3.975	3
71	MP3C	Z	2.295	3
72	MP3C	Mx	-.000785	3
73	M107	X	-5.321	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M107	Z	3.072	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-4.071	1.5
77	MP1A	Z	2.35	1.5
78	MP1A	Mx	.002	1.5
79	MP1A	X	-4.071	4.5
80	MP1A	Z	2.35	4.5
81	MP1A	Mx	.002	4.5
82	MP1B	X	-4.071	1.5
83	MP1B	Z	2.35	1.5
84	MP1B	Mx	-.002	1.5
85	MP1B	X	-4.071	4.5
86	MP1B	Z	2.35	4.5
87	MP1B	Mx	-.002	4.5
88	MP1C	X	-3.069	1.5
89	MP1C	Z	1.772	1.5
90	MP1C	Mx	.000606	1.5
91	MP1C	X	-3.069	4.5
92	MP1C	Z	1.772	4.5
93	MP1C	Mx	.000606	4.5
94	MP5A	X	-4.071	1.5
95	MP5A	Z	2.35	1.5
96	MP5A	Mx	.002	1.5
97	MP5A	X	-4.071	4.5
98	MP5A	Z	2.35	4.5
99	MP5A	Mx	.002	4.5
100	MP5B	X	-4.071	1.5
101	MP5B	Z	2.35	1.5
102	MP5B	Mx	-.002	1.5
103	MP5B	X	-4.071	4.5
104	MP5B	Z	2.35	4.5
105	MP5B	Mx	-.002	4.5
106	MP5C	X	-3.069	1.5
107	MP5C	Z	1.772	1.5
108	MP5C	Mx	.000606	1.5
109	MP5C	X	-3.069	4.5
110	MP5C	Z	1.772	4.5
111	MP5C	Mx	.000606	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.517	1
2	MP2A	Z	0	1
3	MP2A	Mx	.002	1
4	MP2A	X	-4.517	5
5	MP2A	Z	0	5
6	MP2A	Mx	.002	5
7	MP2B	X	-5.655	1
8	MP2B	Z	0	1
9	MP2B	Mx	.002	1
10	MP2B	X	-5.655	5
11	MP2B	Z	0	5
12	MP2B	Mx	.002	5
13	MP2C	X	-5.989	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	-5.989	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.005	5
19	MP2A	X	-4.517	1
20	MP2A	Z	0	1
21	MP2A	Mx	.002	1
22	MP2A	X	-4.517	5
23	MP2A	Z	0	5
24	MP2A	Mx	.002	5
25	MP2B	X	-5.655	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.005	1
28	MP2B	X	-5.655	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-5.989	1
32	MP2C	Z	0	1
33	MP2C	Mx	.004	1
34	MP2C	X	-5.989	5
35	MP2C	Z	0	5
36	MP2C	Mx	.004	5
37	MP4A	X	-1.862	2
38	MP4A	Z	0	2
39	MP4A	Mx	.000931	2
40	MP4A	X	-1.862	4
41	MP4A	Z	0	4
42	MP4A	Mx	.000931	4
43	MP4B	X	-4.092	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-4.092	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-4.746	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.000412	2
52	MP4C	X	-4.746	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.000412	4
55	MP2A	X	-2.651	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.001	3
58	MP2B	X	-3.626	3
59	MP2B	Z	0	3
60	MP2B	Mx	.000906	3
61	MP2C	X	-3.912	3
62	MP2C	Z	0	3
63	MP2C	Mx	.00034	3
64	MP3A	X	-3.25	3
65	MP3A	Z	0	3
66	MP3A	Mx	-.002	3
67	MP3B	X	-4.388	3
68	MP3B	Z	0	3
69	MP3B	Mx	.001	3
70	MP3C	X	-4.722	3
71	MP3C	Z	0	3
72	MP3C	Mx	.00041	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	M107	X	-6.628	1.25
74	M107	Z	0	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-5.158	1.5
77	MP1A	Z	0	1.5
78	MP1A	Mx	.003	1.5
79	MP1A	X	-5.158	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.003	4.5
82	MP1B	X	-3.787	1.5
83	MP1B	Z	0	1.5
84	MP1B	Mx	-.000947	1.5
85	MP1B	X	-3.787	4.5
86	MP1B	Z	0	4.5
87	MP1B	Mx	-.000947	4.5
88	MP1C	X	-3.385	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.000294	1.5
91	MP1C	X	-3.385	4.5
92	MP1C	Z	0	4.5
93	MP1C	Mx	-.000294	4.5
94	MP5A	X	-5.158	1.5
95	MP5A	Z	0	1.5
96	MP5A	Mx	.003	1.5
97	MP5A	X	-5.158	4.5
98	MP5A	Z	0	4.5
99	MP5A	Mx	.003	4.5
100	MP5B	X	-3.787	1.5
101	MP5B	Z	0	1.5
102	MP5B	Mx	-.000947	1.5
103	MP5B	X	-3.787	4.5
104	MP5B	Z	0	4.5
105	MP5B	Mx	-.000947	4.5
106	MP5C	X	-3.385	1.5
107	MP5C	Z	0	1.5
108	MP5C	Mx	-.000294	1.5
109	MP5C	X	-3.385	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,%]
1	MP2A	X	-4.24	1
2	MP2A	Z	-2.448	1
3	MP2A	Mx	.000284	1
4	MP2A	X	-4.24	5
5	MP2A	Z	-2.448	5
6	MP2A	Mx	.000284	5
7	MP2B	X	-5.226	1
8	MP2B	Z	-3.017	1
9	MP2B	Mx	.005	1
10	MP2B	X	-5.226	5
11	MP2B	Z	-3.017	5
12	MP2B	Mx	.005	5
13	MP2C	X	-4.683	1
14	MP2C	Z	-2.704	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.005	1
16	MP2C	X	-4.683	5
17	MP2C	Z	-2.704	5
18	MP2C	Mx	-.005	5
19	MP2A	X	-4.24	1
20	MP2A	Z	-2.448	1
21	MP2A	Mx	.004	1
22	MP2A	X	-4.24	5
23	MP2A	Z	-2.448	5
24	MP2A	Mx	.004	5
25	MP2B	X	-5.226	1
26	MP2B	Z	-3.017	1
27	MP2B	Mx	-.005	1
28	MP2B	X	-5.226	5
29	MP2B	Z	-3.017	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-4.683	1
32	MP2C	Z	-2.704	1
33	MP2C	Mx	.001	1
34	MP2C	X	-4.683	5
35	MP2C	Z	-2.704	5
36	MP2C	Mx	.001	5
37	MP4A	X	-2.257	2
38	MP4A	Z	-1.303	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.257	4
41	MP4A	Z	-1.303	4
42	MP4A	Mx	.001	4
43	MP4B	X	-4.188	2
44	MP4B	Z	-2.418	2
45	MP4B	Mx	0	2
46	MP4B	X	-4.188	4
47	MP4B	Z	-2.418	4
48	MP4B	Mx	0	4
49	MP4C	X	-3.124	2
50	MP4C	Z	-1.804	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-3.124	4
53	MP4C	Z	-1.804	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-2.578	3
56	MP2A	Z	-1.488	3
57	MP2A	Mx	-.001	3
58	MP2B	X	-3.422	3
59	MP2B	Z	-1.976	3
60	MP2B	Mx	0	3
61	MP2C	X	-2.957	3
62	MP2C	Z	-1.707	3
63	MP2C	Mx	.001	3
64	MP3A	X	-3.143	3
65	MP3A	Z	-1.815	3
66	MP3A	Mx	-.002	3
67	MP3B	X	-4.129	3
68	MP3B	Z	-2.384	3
69	MP3B	Mx	0	3
70	MP3C	X	-3.586	3
71	MP3C	Z	-2.07	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mx	.001	3
73	M107	X	-6.579	1.25
74	M107	Z	-3.799	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-4.071	1.5
77	MP1A	Z	-2.35	1.5
78	MP1A	Mx	.002	1.5
79	MP1A	X	-4.071	4.5
80	MP1A	Z	-2.35	4.5
81	MP1A	Mx	.002	4.5
82	MP1B	X	-2.884	1.5
83	MP1B	Z	-1.665	1.5
84	MP1B	Mx	0	1.5
85	MP1B	X	-2.884	4.5
86	MP1B	Z	-1.665	4.5
87	MP1B	Mx	0	4.5
88	MP1C	X	-3.538	1.5
89	MP1C	Z	-2.043	1.5
90	MP1C	Mx	-.001	1.5
91	MP1C	X	-3.538	4.5
92	MP1C	Z	-2.043	4.5
93	MP1C	Mx	-.001	4.5
94	MP5A	X	-4.071	1.5
95	MP5A	Z	-2.35	1.5
96	MP5A	Mx	.002	1.5
97	MP5A	X	-4.071	4.5
98	MP5A	Z	-2.35	4.5
99	MP5A	Mx	.002	4.5
100	MP5B	X	-2.884	1.5
101	MP5B	Z	-1.665	1.5
102	MP5B	Mx	0	1.5
103	MP5B	X	-2.884	4.5
104	MP5B	Z	-1.665	4.5
105	MP5B	Mx	0	4.5
106	MP5C	X	-3.538	1.5
107	MP5C	Z	-2.043	1.5
108	MP5C	Mx	-.001	1.5
109	MP5C	X	-3.538	4.5
110	MP5C	Z	-2.043	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,%]
1	MP2A	X	-2.828	1
2	MP2A	Z	-4.898	1
3	MP2A	Mx	-.002	1
4	MP2A	X	-2.828	5
5	MP2A	Z	-4.898	5
6	MP2A	Mx	-.002	5
7	MP2B	X	-2.828	1
8	MP2B	Z	-4.898	1
9	MP2B	Mx	.005	1
10	MP2B	X	-2.828	5
11	MP2B	Z	-4.898	5
12	MP2B	Mx	.005	5
13	MP2C	X	-2.347	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2C	Z	-4.065	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-2.347	5
17	MP2C	Z	-4.065	5
18	MP2C	Mx	-.003	5
19	MP2A	X	-2.828	1
20	MP2A	Z	-4.898	1
21	MP2A	Mx	.005	1
22	MP2A	X	-2.828	5
23	MP2A	Z	-4.898	5
24	MP2A	Mx	.005	5
25	MP2B	X	-2.828	1
26	MP2B	Z	-4.898	1
27	MP2B	Mx	-.002	1
28	MP2B	X	-2.828	5
29	MP2B	Z	-4.898	5
30	MP2B	Mx	-.002	5
31	MP2C	X	-2.347	1
32	MP2C	Z	-4.065	1
33	MP2C	Mx	-.001	1
34	MP2C	X	-2.347	5
35	MP2C	Z	-4.065	5
36	MP2C	Mx	-.001	5
37	MP4A	X	-2.046	2
38	MP4A	Z	-3.544	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.046	4
41	MP4A	Z	-3.544	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.046	2
44	MP4B	Z	-3.544	2
45	MP4B	Mx	.001	2
46	MP4B	X	-2.046	4
47	MP4B	Z	-3.544	4
48	MP4B	Mx	.001	4
49	MP4C	X	-1.105	2
50	MP4C	Z	-1.914	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-1.105	4
53	MP4C	Z	-1.914	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-1.813	3
56	MP2A	Z	-3.141	3
57	MP2A	Mx	-.000906	3
58	MP2B	X	-1.813	3
59	MP2B	Z	-3.141	3
60	MP2B	Mx	-.000907	3
61	MP2C	X	-1.402	3
62	MP2C	Z	-2.428	3
63	MP2C	Mx	.001	3
64	MP3A	X	-2.194	3
65	MP3A	Z	-3.8	3
66	MP3A	Mx	-.001	3
67	MP3B	X	-2.194	3
68	MP3B	Z	-3.8	3
69	MP3B	Mx	-.001	3
70	MP3C	X	-1.714	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	-2.969	3
72	MP3C	Mx	.002	3
73	M107	X	-4.041	1.25
74	M107	Z	-6.999	1.25
75	M107	Mx	0	1.25
76	MP1A	X	-1.893	1.5
77	MP1A	Z	-3.28	1.5
78	MP1A	Mx	.000947	1.5
79	MP1A	X	-1.893	4.5
80	MP1A	Z	-3.28	4.5
81	MP1A	Mx	.000947	4.5
82	MP1B	X	-1.893	1.5
83	MP1B	Z	-3.28	1.5
84	MP1B	Mx	.000947	1.5
85	MP1B	X	-1.893	4.5
86	MP1B	Z	-3.28	4.5
87	MP1B	Mx	.000947	4.5
88	MP1C	X	-2.472	1.5
89	MP1C	Z	-4.282	1.5
90	MP1C	Mx	-.002	1.5
91	MP1C	X	-2.472	4.5
92	MP1C	Z	-4.282	4.5
93	MP1C	Mx	-.002	4.5
94	MP5A	X	-1.893	1.5
95	MP5A	Z	-3.28	1.5
96	MP5A	Mx	.000947	1.5
97	MP5A	X	-1.893	4.5
98	MP5A	Z	-3.28	4.5
99	MP5A	Mx	.000947	4.5
100	MP5B	X	-1.893	1.5
101	MP5B	Z	-3.28	1.5
102	MP5B	Mx	.000947	1.5
103	MP5B	X	-1.893	4.5
104	MP5B	Z	-3.28	4.5
105	MP5B	Mx	.000947	4.5
106	MP5C	X	-2.472	1.5
107	MP5C	Z	-4.282	1.5
108	MP5C	Mx	-.002	1.5
109	MP5C	X	-2.472	4.5
110	MP5C	Z	-4.282	4.5
111	MP5C	Mx	-.002	4.5

Member Point Loads (BLC 77 : Lm1)

	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 Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-1.681	1
2	MP2A	My	-.00084	1
3	MP2A	Mz	.001	1
4	MP2A	Y	-1.681	5
5	MP2A	My	-.00084	5
6	MP2A	Mz	.001	5
7	MP2B	Y	-1.681	1
8	MP2B	My	-.000671	1
9	MP2B	Mz	-.001	1
10	MP2B	Y	-1.681	5
11	MP2B	My	-.000671	5
12	MP2B	Mz	-.001	5
13	MP2C	Y	-1.681	1
14	MP2C	My	.001	1
15	MP2C	Mz	.000609	1
16	MP2C	Y	-1.681	5
17	MP2C	My	.001	5
18	MP2C	Mz	.000609	5
19	MP2A	Y	-1.681	1
20	MP2A	My	-.00084	1
21	MP2A	Mz	-.001	1
22	MP2A	Y	-1.681	5
23	MP2A	My	-.00084	5
24	MP2A	Mz	-.001	5
25	MP2B	Y	-1.681	1
26	MP2B	My	.002	1
27	MP2B	Mz	-9.7e-5	1
28	MP2B	Y	-1.681	5
29	MP2B	My	.002	5
30	MP2B	Mz	-9.7e-5	5
31	MP2C	Y	-1.681	1
32	MP2C	My	-.001	1
33	MP2C	Mz	.001	1
34	MP2C	Y	-1.681	5
35	MP2C	My	-.001	5
36	MP2C	Mz	.001	5
37	MP4A	Y	-1.235	2
38	MP4A	My	-.000617	2
39	MP4A	Mz	0	2
40	MP4A	Y	-1.235	4
41	MP4A	My	-.000617	4
42	MP4A	Mz	0	4
43	MP4B	Y	-1.235	2
44	MP4B	My	.000309	2
45	MP4B	Mz	-.000535	2
46	MP4B	Y	-1.235	4
47	MP4B	My	.000309	4
48	MP4B	Mz	-.000535	4
49	MP4C	Y	-1.235	2
50	MP4C	My	.000107	2
51	MP4C	Mz	.000608	2
52	MP4C	Y	-1.235	4

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	My	.000107	4
54	MP4C	Mz	.000608	4
55	MP2A	Y	-3.637	3
56	MP2A	My	.002	3
57	MP2A	Mz	0	3
58	MP2B	Y	-3.637	3
59	MP2B	My	-.000909	3
60	MP2B	Mz	.002	3
61	MP2C	Y	-3.637	3
62	MP2C	My	-.000316	3
63	MP2C	Mz	-.002	3
64	MP3A	Y	-3.409	3
65	MP3A	My	.002	3
66	MP3A	Mz	0	3
67	MP3B	Y	-3.409	3
68	MP3B	My	-.000852	3
69	MP3B	Mz	.001	3
70	MP3C	Y	-3.409	3
71	MP3C	My	-.000296	3
72	MP3C	Mz	-.002	3
73	M107	Y	-1.379	1.25
74	M107	My	0	1.25
75	M107	Mz	0	1.25
76	MP1A	Y	-.237	1.5
77	MP1A	My	-.000119	1.5
78	MP1A	Mz	0	1.5
79	MP1A	Y	-.237	4.5
80	MP1A	My	-.000119	4.5
81	MP1A	Mz	0	4.5
82	MP1B	Y	-.237	1.5
83	MP1B	My	5.9e-5	1.5
84	MP1B	Mz	-.000103	1.5
85	MP1B	Y	-.237	4.5
86	MP1B	My	5.9e-5	4.5
87	MP1B	Mz	-.000103	4.5
88	MP1C	Y	-.237	1.5
89	MP1C	My	2.1e-5	1.5
90	MP1C	Mz	.000117	1.5
91	MP1C	Y	-.237	4.5
92	MP1C	My	2.1e-5	4.5
93	MP1C	Mz	.000117	4.5
94	MP5A	Y	-.237	1.5
95	MP5A	My	-.000119	1.5
96	MP5A	Mz	0	1.5
97	MP5A	Y	-.237	4.5
98	MP5A	My	-.000119	4.5
99	MP5A	Mz	0	4.5
100	MP5B	Y	-.237	1.5
101	MP5B	My	5.9e-5	1.5
102	MP5B	Mz	-.000103	1.5
103	MP5B	Y	-.237	4.5
104	MP5B	My	5.9e-5	4.5
105	MP5B	Mz	-.000103	4.5
106	MP5C	Y	-.237	1.5
107	MP5C	My	2.1e-5	1.5
108	MP5C	Mz	.000117	1.5
109	MP5C	Y	-.237	4.5

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP5C	My	2.1e-5	4.5
111	MP5C	Mz	.000117	4.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-4.202	1
2	MP2A	Mx	-.003	1
3	MP2A	Z	-4.202	5
4	MP2A	Mx	-.003	5
5	MP2B	Z	-4.202	1
6	MP2B	Mx	.003	1
7	MP2B	Z	-4.202	5
8	MP2B	Mx	.003	5
9	MP2C	Z	-4.202	1
10	MP2C	Mx	-.002	1
11	MP2C	Z	-4.202	5
12	MP2C	Mx	-.002	5
13	MP2A	Z	-4.202	1
14	MP2A	Mx	.003	1
15	MP2A	Z	-4.202	5
16	MP2A	Mx	.003	5
17	MP2B	Z	-4.202	1
18	MP2B	Mx	.000244	1
19	MP2B	Z	-4.202	5
20	MP2B	Mx	.000244	5
21	MP2C	Z	-4.202	1
22	MP2C	Mx	-.003	1
23	MP2C	Z	-4.202	5
24	MP2C	Mx	-.003	5
25	MP4A	Z	-3.087	2
26	MP4A	Mx	0	2
27	MP4A	Z	-3.087	4
28	MP4A	Mx	0	4
29	MP4B	Z	-3.087	2
30	MP4B	Mx	.001	2
31	MP4B	Z	-3.087	4
32	MP4B	Mx	.001	4
33	MP4C	Z	-3.087	2
34	MP4C	Mx	-.002	2
35	MP4C	Z	-3.087	4
36	MP4C	Mx	-.002	4
37	MP2A	Z	-9.093	3
38	MP2A	Mx	0	3
39	MP2B	Z	-9.093	3
40	MP2B	Mx	-.004	3
41	MP2C	Z	-9.093	3
42	MP2C	Mx	.004	3
43	MP3A	Z	-8.522	3
44	MP3A	Mx	0	3
45	MP3B	Z	-8.522	3
46	MP3B	Mx	-.004	3
47	MP3C	Z	-8.522	3
48	MP3C	Mx	.004	3
49	M107	Z	-3.447	1.25
50	M107	Mx	0	1.25
51	MP1A	Z	-.593	1.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1A	Mx	0	1.5
53	MP1A	Z	-.593	4.5
54	MP1A	Mx	0	4.5
55	MP1B	Z	-.593	1.5
56	MP1B	Mx	.000257	1.5
57	MP1B	Z	-.593	4.5
58	MP1B	Mx	.000257	4.5
59	MP1C	Z	-.593	1.5
60	MP1C	Mx	-.000292	1.5
61	MP1C	Z	-.593	4.5
62	MP1C	Mx	-.000292	4.5
63	MP5A	Z	-.593	1.5
64	MP5A	Mx	0	1.5
65	MP5A	Z	-.593	4.5
66	MP5A	Mx	0	4.5
67	MP5B	Z	-.593	1.5
68	MP5B	Mx	.000257	1.5
69	MP5B	Z	-.593	4.5
70	MP5B	Mx	.000257	4.5
71	MP5C	Z	-.593	1.5
72	MP5C	Mx	-.000292	1.5
73	MP5C	Z	-.593	4.5
74	MP5C	Mx	-.000292	4.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.202	1
2	MP2A	Mx	-.002	1
3	MP2A	X	4.202	5
4	MP2A	Mx	-.002	5
5	MP2B	X	4.202	1
6	MP2B	Mx	-.002	1
7	MP2B	X	4.202	5
8	MP2B	Mx	-.002	5
9	MP2C	X	4.202	1
10	MP2C	Mx	.003	1
11	MP2C	X	4.202	5
12	MP2C	Mx	.003	5
13	MP2A	X	4.202	1
14	MP2A	Mx	-.002	1
15	MP2A	X	4.202	5
16	MP2A	Mx	-.002	5
17	MP2B	X	4.202	1
18	MP2B	Mx	.004	1
19	MP2B	X	4.202	5
20	MP2B	Mx	.004	5
21	MP2C	X	4.202	1
22	MP2C	Mx	-.003	1
23	MP2C	X	4.202	5
24	MP2C	Mx	-.003	5
25	MP4A	X	3.087	2
26	MP4A	Mx	-.002	2
27	MP4A	X	3.087	4
28	MP4A	Mx	-.002	4
29	MP4B	X	3.087	2
30	MP4B	Mx	.000772	2

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP4B	X	3.087	4
32	MP4B	Mx	.000772	4
33	MP4C	X	3.087	2
34	MP4C	Mx	.000268	2
35	MP4C	X	3.087	4
36	MP4C	Mx	.000268	4
37	MP2A	X	9.093	3
38	MP2A	Mx	.005	3
39	MP2B	X	9.093	3
40	MP2B	Mx	-.002	3
41	MP2C	X	9.093	3
42	MP2C	Mx	-.000789	3
43	MP3A	X	8.522	3
44	MP3A	Mx	.004	3
45	MP3B	X	8.522	3
46	MP3B	Mx	-.002	3
47	MP3C	X	8.522	3
48	MP3C	Mx	-.00074	3
49	M107	X	3.447	1.25
50	M107	Mx	0	1.25
51	MP1A	X	.593	1.5
52	MP1A	Mx	-.000296	1.5
53	MP1A	X	.593	4.5
54	MP1A	Mx	-.000296	4.5
55	MP1B	X	.593	1.5
56	MP1B	Mx	.000148	1.5
57	MP1B	X	.593	4.5
58	MP1B	Mx	.000148	4.5
59	MP1C	X	.593	1.5
60	MP1C	Mx	5.1e-5	1.5
61	MP1C	X	.593	4.5
62	MP1C	Mx	5.1e-5	4.5
63	MP5A	X	.593	1.5
64	MP5A	Mx	-.000296	1.5
65	MP5A	X	.593	4.5
66	MP5A	Mx	-.000296	4.5
67	MP5B	X	.593	1.5
68	MP5B	Mx	.000148	1.5
69	MP5B	X	.593	4.5
70	MP5B	Mx	.000148	4.5
71	MP5C	X	.593	1.5
72	MP5C	Mx	5.1e-5	1.5
73	MP5C	X	.593	4.5
74	MP5C	Mx	5.1e-5	4.5

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

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,%]
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
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,%]

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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 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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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
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

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,%]
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
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

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,%]
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
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

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,%]
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
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

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,%]
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,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.083	-4.083	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	-3.367	-3.367	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.64	-3.64	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.286	-3.286	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.286	-3.286	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.286	-3.286	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.367	-3.367	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.276	-5.276	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.98	-.98	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.98	-.98	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	-1.317	-1.317	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.374	-1.374	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	-1.317	-1.317	0	%100
33	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	-1.374	-1.374	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-3.098	-3.098	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	-.842	-.842	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	-.842	-.842	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.319	-1.319	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-.98	-.98	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-3.921	-3.921	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-3.891	-3.891	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-1.317	-1.317	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-1.374	-1.374	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-3.891	-3.891	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-5.267	-5.267	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-5.497	-5.497	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-3.098	-3.098	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-.842	-.842	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-.842	-.842	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-1.319	-1.319	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-3.921	-3.921	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-.98	-.98	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-3.891	-3.891	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-5.267	-5.267	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-5.497	-5.497	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-3.891	-3.891	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-1.317	-1.317	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-1.374	-1.374	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-1.021	-1.021	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	-1.021	-1.021	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-3.286	-3.286	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-3.64	-3.64	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-3.286	-3.286	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-3.286	-3.286	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-3.286	-3.286	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-3.286	-3.286	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.64	-3.64	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-3.286	-3.286	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-3.286	-3.286	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-3.286	-3.286	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	-3.286	-3.286	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-2.71	-2.71	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-3.64	-3.64	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	-.833	-.833	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-3.33	-3.33	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	-.833	-.833	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	-.91	-.91	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	-.91	-.91	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	1.531	1.531	0	%100
2	M1	Z	-2.652	-2.652	0	%100
3	M4	X	.516	.516	0	%100
4	M4	Z	-.894	-.894	0	%100
5	M10	X	1.263	1.263	0	%100
6	M10	Z	-2.187	-2.187	0	%100
7	MP3A	X	1.82	1.82	0	%100
8	MP3A	Z	-3.153	-3.153	0	%100
9	MP4A	X	1.643	1.643	0	%100
10	MP4A	Z	-2.846	-2.846	0	%100
11	MP2A	X	1.643	1.643	0	%100
12	MP2A	Z	-2.846	-2.846	0	%100
13	MP1A	X	1.643	1.643	0	%100
14	MP1A	Z	-2.846	-2.846	0	%100
15	M43	X	1.263	1.263	0	%100
16	M43	Z	-2.187	-2.187	0	%100
17	M46	X	1.979	1.979	0	%100
18	M46	Z	-3.427	-3.427	0	%100
19	M51B	X	1.47	1.47	0	%100
20	M51B	Z	-2.547	-2.547	0	%100
21	M52B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M52B	Z	0	0	0	%100
23	M76	X	.648	.648	0	%100
24	M76	Z	-1.123	-1.123	0	%100
25	M77	X	1.975	1.975	0	%100
26	M77	Z	-3.421	-3.421	0	%100
27	M80	X	2.061	2.061	0	%100
28	M80	Z	-3.571	-3.571	0	%100
29	M84	X	.648	.648	0	%100
30	M84	Z	-1.123	-1.123	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	1.263	1.263	0	%100
38	M37	Z	-2.187	-2.187	0	%100
39	M38	X	1.263	1.263	0	%100
40	M38	Z	-2.187	-2.187	0	%100
41	M39	X	1.979	1.979	0	%100
42	M39	Z	-3.427	-3.427	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	1.47	1.47	0	%100
46	M41	Z	-2.547	-2.547	0	%100
47	M45	X	.648	.648	0	%100
48	M45	Z	-1.123	-1.123	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	-1.123	-1.123	0	%100
55	M51C	X	1.975	1.975	0	%100
56	M51C	Z	-3.421	-3.421	0	%100
57	M53	X	2.061	2.061	0	%100
58	M53	Z	-3.571	-3.571	0	%100
59	M60	X	2.066	2.066	0	%100
60	M60	Z	-3.578	-3.578	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	1.47	1.47	0	%100
68	M64	Z	-2.547	-2.547	0	%100
69	M65	X	1.47	1.47	0	%100
70	M65	Z	-2.547	-2.547	0	%100
71	M69	X	2.594	2.594	0	%100
72	M69	Z	-4.493	-4.493	0	%100
73	M70	X	1.975	1.975	0	%100
74	M70	Z	-3.421	-3.421	0	%100
75	M72	X	2.061	2.061	0	%100
76	M72	Z	-3.571	-3.571	0	%100
77	M74	X	2.594	2.594	0	%100
78	M74	Z	-4.493	-4.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M75	X	1.975	1.975	0	%100
80	M75	Z	-3.421	-3.421	0	%100
81	M77A	X	2.061	2.061	0	%100
82	M77A	Z	-3.571	-3.571	0	%100
83	M82A	X	1.531	1.531	0	%100
84	M82A	Z	-2.652	-2.652	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	1.643	1.643	0	%100
88	MP5A	Z	-2.846	-2.846	0	%100
89	MP3C	X	1.82	1.82	0	%100
90	MP3C	Z	-3.153	-3.153	0	%100
91	MP4C	X	1.643	1.643	0	%100
92	MP4C	Z	-2.846	-2.846	0	%100
93	MP2C	X	1.643	1.643	0	%100
94	MP2C	Z	-2.846	-2.846	0	%100
95	MP1C	X	1.643	1.643	0	%100
96	MP1C	Z	-2.846	-2.846	0	%100
97	MP5C	X	1.643	1.643	0	%100
98	MP5C	Z	-2.846	-2.846	0	%100
99	MP3B	X	1.82	1.82	0	%100
100	MP3B	Z	-3.153	-3.153	0	%100
101	MP4B	X	1.643	1.643	0	%100
102	MP4B	Z	-2.846	-2.846	0	%100
103	MP2B	X	1.643	1.643	0	%100
104	MP2B	Z	-2.846	-2.846	0	%100
105	MP1B	X	1.643	1.643	0	%100
106	MP1B	Z	-2.846	-2.846	0	%100
107	MP5B	X	1.643	1.643	0	%100
108	MP5B	Z	-2.846	-2.846	0	%100
109	M107	X	1.355	1.355	0	%100
110	M107	Z	-2.347	-2.347	0	%100
111	M108	X	1.365	1.365	0	%100
112	M108	Z	-2.365	-2.365	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	1.249	1.249	0	%100
116	M118	Z	-2.163	-2.163	0	%100
117	M119	X	1.249	1.249	0	%100
118	M119	Z	-2.163	-2.163	0	%100
119	M133A	X	1.365	1.365	0	%100
120	M133A	Z	-2.365	-2.365	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	.884	.884	0	%100
2	M1	Z	-.51	-.51	0	%100
3	M4	X	2.683	2.683	0	%100
4	M4	Z	-1.549	-1.549	0	%100
5	M10	X	.729	.729	0	%100
6	M10	Z	-.421	-.421	0	%100
7	MP3A	X	3.153	3.153	0	%100
8	MP3A	Z	-1.82	-1.82	0	%100
9	MP4A	X	2.846	2.846	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,%]
10	MP4A	Z	-1.643	-1.643	0	%100
11	MP2A	X	2.846	2.846	0	%100
12	MP2A	Z	-1.643	-1.643	0	%100
13	MP1A	X	2.846	2.846	0	%100
14	MP1A	Z	-1.643	-1.643	0	%100
15	M43	X	.729	.729	0	%100
16	M43	Z	-.421	-.421	0	%100
17	M46	X	1.142	1.142	0	%100
18	M46	Z	-.659	-.659	0	%100
19	M51B	X	3.395	3.395	0	%100
20	M51B	Z	-1.96	-1.96	0	%100
21	M52B	X	.849	.849	0	%100
22	M52B	Z	-.49	-.49	0	%100
23	M76	X	3.37	3.37	0	%100
24	M76	Z	-1.945	-1.945	0	%100
25	M77	X	4.561	4.561	0	%100
26	M77	Z	-2.633	-2.633	0	%100
27	M80	X	4.761	4.761	0	%100
28	M80	Z	-2.749	-2.749	0	%100
29	M84	X	3.37	3.37	0	%100
30	M84	Z	-1.945	-1.945	0	%100
31	M85	X	1.14	1.14	0	%100
32	M85	Z	-.658	-.658	0	%100
33	M91	X	1.19	1.19	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	2.916	2.916	0	%100
38	M37	Z	-1.683	-1.683	0	%100
39	M38	X	2.916	2.916	0	%100
40	M38	Z	-1.683	-1.683	0	%100
41	M39	X	4.569	4.569	0	%100
42	M39	Z	-2.638	-2.638	0	%100
43	M40	X	.849	.849	0	%100
44	M40	Z	-.49	-.49	0	%100
45	M41	X	.849	.849	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	1.14	1.14	0	%100
50	M46A	Z	-.658	-.658	0	%100
51	M48	X	1.19	1.19	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	1.14	1.14	0	%100
56	M51C	Z	-.658	-.658	0	%100
57	M53	X	1.19	1.19	0	%100
58	M53	Z	-.687	-.687	0	%100
59	M60	X	2.683	2.683	0	%100
60	M60	Z	-1.549	-1.549	0	%100
61	M61	X	.729	.729	0	%100
62	M61	Z	-.421	-.421	0	%100
63	M62	X	.729	.729	0	%100
64	M62	Z	-.421	-.421	0	%100
65	M63	X	1.142	1.142	0	%100
66	M63	Z	-.659	-.659	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,%]
67	M64	X	.849	.849	0	%100
68	M64	Z	-.49	-.49	0	%100
69	M65	X	3.395	3.395	0	%100
70	M65	Z	-1.96	-1.96	0	%100
71	M69	X	3.37	3.37	0	%100
72	M69	Z	-1.945	-1.945	0	%100
73	M70	X	1.14	1.14	0	%100
74	M70	Z	-.658	-.658	0	%100
75	M72	X	1.19	1.19	0	%100
76	M72	Z	-.687	-.687	0	%100
77	M74	X	3.37	3.37	0	%100
78	M74	Z	-1.945	-1.945	0	%100
79	M75	X	4.561	4.561	0	%100
80	M75	Z	-2.633	-2.633	0	%100
81	M77A	X	4.761	4.761	0	%100
82	M77A	Z	-2.749	-2.749	0	%100
83	M82A	X	3.536	3.536	0	%100
84	M82A	Z	-2.042	-2.042	0	%100
85	M83B	X	.884	.884	0	%100
86	M83B	Z	-.51	-.51	0	%100
87	MP5A	X	2.846	2.846	0	%100
88	MP5A	Z	-1.643	-1.643	0	%100
89	MP3C	X	3.153	3.153	0	%100
90	MP3C	Z	-1.82	-1.82	0	%100
91	MP4C	X	2.846	2.846	0	%100
92	MP4C	Z	-1.643	-1.643	0	%100
93	MP2C	X	2.846	2.846	0	%100
94	MP2C	Z	-1.643	-1.643	0	%100
95	MP1C	X	2.846	2.846	0	%100
96	MP1C	Z	-1.643	-1.643	0	%100
97	MP5C	X	2.846	2.846	0	%100
98	MP5C	Z	-1.643	-1.643	0	%100
99	MP3B	X	3.153	3.153	0	%100
100	MP3B	Z	-1.82	-1.82	0	%100
101	MP4B	X	2.846	2.846	0	%100
102	MP4B	Z	-1.643	-1.643	0	%100
103	MP2B	X	2.846	2.846	0	%100
104	MP2B	Z	-1.643	-1.643	0	%100
105	MP1B	X	2.846	2.846	0	%100
106	MP1B	Z	-1.643	-1.643	0	%100
107	MP5B	X	2.846	2.846	0	%100
108	MP5B	Z	-1.643	-1.643	0	%100
109	M107	X	2.347	2.347	0	%100
110	M107	Z	-1.355	-1.355	0	%100
111	M108	X	.788	.788	0	%100
112	M108	Z	-.455	-.455	0	%100
113	M117	X	.721	.721	0	%100
114	M117	Z	-.416	-.416	0	%100
115	M118	X	.721	.721	0	%100
116	M118	Z	-.416	-.416	0	%100
117	M119	X	2.884	2.884	0	%100
118	M119	Z	-1.665	-1.665	0	%100
119	M133A	X	3.153	3.153	0	%100
120	M133A	Z	-1.82	-1.82	0	%100
121	M134A	X	.788	.788	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	4.131	4.131	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	3.64	3.64	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.286	3.286	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.286	3.286	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.286	3.286	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	2.94	2.94	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.94	2.94	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	5.188	5.188	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.95	3.95	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.123	4.123	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	5.188	5.188	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.95	3.95	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.123	4.123	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	1.033	1.033	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	2.525	2.525	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	2.525	2.525	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	3.957	3.957	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	2.94	2.94	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	1.297	1.297	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	3.95	3.95	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	4.123	4.123	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	1.297	1.297	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 56 : Structure Wi (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	1.033	1.033	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	2.525	2.525	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	2.525	2.525	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	3.957	3.957	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	2.94	2.94	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	1.297	1.297	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	1.297	1.297	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	3.95	3.95	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	4.123	4.123	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	3.063	3.063	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	3.063	3.063	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	3.286	3.286	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	3.64	3.64	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	3.286	3.286	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	3.286	3.286	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	3.286	3.286	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	3.286	3.286	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	3.64	3.64	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	3.286	3.286	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	3.286	3.286	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	3.286	3.286	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	3.286	3.286	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	2.71	2.71	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	2.498	2.498	0	%100
114	M117	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,%]
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M119	X	2.498	2.498	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	2.73	2.73	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	2.73	2.73	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	.884	.884	0	%100
2	M1	Z	.51	.51	0	%100
3	M4	X	2.683	2.683	0	%100
4	M4	Z	1.549	1.549	0	%100
5	M10	X	.729	.729	0	%100
6	M10	Z	.421	.421	0	%100
7	MP3A	X	3.153	3.153	0	%100
8	MP3A	Z	1.82	1.82	0	%100
9	MP4A	X	2.846	2.846	0	%100
10	MP4A	Z	1.643	1.643	0	%100
11	MP2A	X	2.846	2.846	0	%100
12	MP2A	Z	1.643	1.643	0	%100
13	MP1A	X	2.846	2.846	0	%100
14	MP1A	Z	1.643	1.643	0	%100
15	M43	X	.729	.729	0	%100
16	M43	Z	.421	.421	0	%100
17	M46	X	1.142	1.142	0	%100
18	M46	Z	.659	.659	0	%100
19	M51B	X	.849	.849	0	%100
20	M51B	Z	.49	.49	0	%100
21	M52B	X	3.395	3.395	0	%100
22	M52B	Z	1.96	1.96	0	%100
23	M76	X	3.37	3.37	0	%100
24	M76	Z	1.945	1.945	0	%100
25	M77	X	1.14	1.14	0	%100
26	M77	Z	.658	.658	0	%100
27	M80	X	1.19	1.19	0	%100
28	M80	Z	.687	.687	0	%100
29	M84	X	3.37	3.37	0	%100
30	M84	Z	1.945	1.945	0	%100
31	M85	X	4.561	4.561	0	%100
32	M85	Z	2.633	2.633	0	%100
33	M91	X	4.761	4.761	0	%100
34	M91	Z	2.749	2.749	0	%100
35	M36	X	2.683	2.683	0	%100
36	M36	Z	1.549	1.549	0	%100
37	M37	X	.729	.729	0	%100
38	M37	Z	.421	.421	0	%100
39	M38	X	.729	.729	0	%100
40	M38	Z	.421	.421	0	%100
41	M39	X	1.142	1.142	0	%100
42	M39	Z	.659	.659	0	%100
43	M40	X	3.395	3.395	0	%100
44	M40	Z	1.96	1.96	0	%100
45	M41	X	.849	.849	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,%]
46	M41	Z	.49	.49	0	%100
47	M45	X	3.37	3.37	0	%100
48	M45	Z	1.945	1.945	0	%100
49	M46A	X	4.561	4.561	0	%100
50	M46A	Z	2.633	2.633	0	%100
51	M48	X	4.761	4.761	0	%100
52	M48	Z	2.749	2.749	0	%100
53	M50A	X	3.37	3.37	0	%100
54	M50A	Z	1.945	1.945	0	%100
55	M51C	X	1.14	1.14	0	%100
56	M51C	Z	.658	.658	0	%100
57	M53	X	1.19	1.19	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	2.916	2.916	0	%100
62	M61	Z	1.683	1.683	0	%100
63	M62	X	2.916	2.916	0	%100
64	M62	Z	1.683	1.683	0	%100
65	M63	X	4.569	4.569	0	%100
66	M63	Z	2.638	2.638	0	%100
67	M64	X	.849	.849	0	%100
68	M64	Z	.49	.49	0	%100
69	M65	X	.849	.849	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	1.14	1.14	0	%100
74	M70	Z	.658	.658	0	%100
75	M72	X	1.19	1.19	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	1.14	1.14	0	%100
80	M75	Z	.658	.658	0	%100
81	M77A	X	1.19	1.19	0	%100
82	M77A	Z	.687	.687	0	%100
83	M82A	X	.884	.884	0	%100
84	M82A	Z	.51	.51	0	%100
85	M83B	X	3.536	3.536	0	%100
86	M83B	Z	2.042	2.042	0	%100
87	MP5A	X	2.846	2.846	0	%100
88	MP5A	Z	1.643	1.643	0	%100
89	MP3C	X	3.153	3.153	0	%100
90	MP3C	Z	1.82	1.82	0	%100
91	MP4C	X	2.846	2.846	0	%100
92	MP4C	Z	1.643	1.643	0	%100
93	MP2C	X	2.846	2.846	0	%100
94	MP2C	Z	1.643	1.643	0	%100
95	MP1C	X	2.846	2.846	0	%100
96	MP1C	Z	1.643	1.643	0	%100
97	MP5C	X	2.846	2.846	0	%100
98	MP5C	Z	1.643	1.643	0	%100
99	MP3B	X	3.153	3.153	0	%100
100	MP3B	Z	1.82	1.82	0	%100
101	MP4B	X	2.846	2.846	0	%100
102	MP4B	Z	1.643	1.643	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,%]
103	MP2B	X	2.846	2.846	0	%100
104	MP2B	Z	1.643	1.643	0	%100
105	MP1B	X	2.846	2.846	0	%100
106	MP1B	Z	1.643	1.643	0	%100
107	MP5B	X	2.846	2.846	0	%100
108	MP5B	Z	1.643	1.643	0	%100
109	M107	X	2.347	2.347	0	%100
110	M107	Z	1.355	1.355	0	%100
111	M108	X	.788	.788	0	%100
112	M108	Z	.455	.455	0	%100
113	M117	X	2.884	2.884	0	%100
114	M117	Z	1.665	1.665	0	%100
115	M118	X	.721	.721	0	%100
116	M118	Z	.416	.416	0	%100
117	M119	X	.721	.721	0	%100
118	M119	Z	.416	.416	0	%100
119	M133A	X	.788	.788	0	%100
120	M133A	Z	.455	.455	0	%100
121	M134A	X	3.153	3.153	0	%100
122	M134A	Z	1.82	1.82	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.531	1.531	0	%100
2	M1	Z	2.652	2.652	0	%100
3	M4	X	.516	.516	0	%100
4	M4	Z	.894	.894	0	%100
5	M10	X	1.263	1.263	0	%100
6	M10	Z	2.187	2.187	0	%100
7	MP3A	X	1.82	1.82	0	%100
8	MP3A	Z	3.153	3.153	0	%100
9	MP4A	X	1.643	1.643	0	%100
10	MP4A	Z	2.846	2.846	0	%100
11	MP2A	X	1.643	1.643	0	%100
12	MP2A	Z	2.846	2.846	0	%100
13	MP1A	X	1.643	1.643	0	%100
14	MP1A	Z	2.846	2.846	0	%100
15	M43	X	1.263	1.263	0	%100
16	M43	Z	2.187	2.187	0	%100
17	M46	X	1.979	1.979	0	%100
18	M46	Z	3.427	3.427	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.47	1.47	0	%100
22	M52B	Z	2.547	2.547	0	%100
23	M76	X	.648	.648	0	%100
24	M76	Z	1.123	1.123	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	1.123	1.123	0	%100
31	M85	X	1.975	1.975	0	%100
32	M85	Z	3.421	3.421	0	%100
33	M91	X	2.061	2.061	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,%]
34	M91	Z	3.571	3.571	0	%100
35	M36	X	2.066	2.066	0	%100
36	M36	Z	3.578	3.578	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	1.47	1.47	0	%100
44	M40	Z	2.547	2.547	0	%100
45	M41	X	1.47	1.47	0	%100
46	M41	Z	2.547	2.547	0	%100
47	M45	X	2.594	2.594	0	%100
48	M45	Z	4.493	4.493	0	%100
49	M46A	X	1.975	1.975	0	%100
50	M46A	Z	3.421	3.421	0	%100
51	M48	X	2.061	2.061	0	%100
52	M48	Z	3.571	3.571	0	%100
53	M50A	X	2.594	2.594	0	%100
54	M50A	Z	4.493	4.493	0	%100
55	M51C	X	1.975	1.975	0	%100
56	M51C	Z	3.421	3.421	0	%100
57	M53	X	2.061	2.061	0	%100
58	M53	Z	3.571	3.571	0	%100
59	M60	X	.516	.516	0	%100
60	M60	Z	.894	.894	0	%100
61	M61	X	1.263	1.263	0	%100
62	M61	Z	2.187	2.187	0	%100
63	M62	X	1.263	1.263	0	%100
64	M62	Z	2.187	2.187	0	%100
65	M63	X	1.979	1.979	0	%100
66	M63	Z	3.427	3.427	0	%100
67	M64	X	1.47	1.47	0	%100
68	M64	Z	2.547	2.547	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	1.123	1.123	0	%100
73	M70	X	1.975	1.975	0	%100
74	M70	Z	3.421	3.421	0	%100
75	M72	X	2.061	2.061	0	%100
76	M72	Z	3.571	3.571	0	%100
77	M74	X	.648	.648	0	%100
78	M74	Z	1.123	1.123	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	1.531	1.531	0	%100
86	M83B	Z	2.652	2.652	0	%100
87	MP5A	X	1.643	1.643	0	%100
88	MP5A	Z	2.846	2.846	0	%100
89	MP3C	X	1.82	1.82	0	%100
90	MP3C	Z	3.153	3.153	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,%]
91	MP4C	X	1.643	1.643	0	%100
92	MP4C	Z	2.846	2.846	0	%100
93	MP2C	X	1.643	1.643	0	%100
94	MP2C	Z	2.846	2.846	0	%100
95	MP1C	X	1.643	1.643	0	%100
96	MP1C	Z	2.846	2.846	0	%100
97	MP5C	X	1.643	1.643	0	%100
98	MP5C	Z	2.846	2.846	0	%100
99	MP3B	X	1.82	1.82	0	%100
100	MP3B	Z	3.153	3.153	0	%100
101	MP4B	X	1.643	1.643	0	%100
102	MP4B	Z	2.846	2.846	0	%100
103	MP2B	X	1.643	1.643	0	%100
104	MP2B	Z	2.846	2.846	0	%100
105	MP1B	X	1.643	1.643	0	%100
106	MP1B	Z	2.846	2.846	0	%100
107	MP5B	X	1.643	1.643	0	%100
108	MP5B	Z	2.846	2.846	0	%100
109	M107	X	1.355	1.355	0	%100
110	M107	Z	2.347	2.347	0	%100
111	M108	X	1.365	1.365	0	%100
112	M108	Z	2.365	2.365	0	%100
113	M117	X	1.249	1.249	0	%100
114	M117	Z	2.163	2.163	0	%100
115	M118	X	1.249	1.249	0	%100
116	M118	Z	2.163	2.163	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	1.365	1.365	0	%100
122	M134A	Z	2.365	2.365	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	4.083	4.083	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	3.367	3.367	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.64	3.64	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.286	3.286	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.286	3.286	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.286	3.286	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.367	3.367	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.276	5.276	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.98	.98	0	%100
21	M52B	X	0	0	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,%]
22	M52B	Z	.98	.98	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	1.317	1.317	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.374	1.374	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	1.317	1.317	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.374	1.374	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	3.098	3.098	0	%100
37	M37	X	0	0	0	%100
38	M37	Z	.842	.842	0	%100
39	M38	X	0	0	0	%100
40	M38	Z	.842	.842	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	1.319	1.319	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	.98	.98	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	3.921	3.921	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	3.891	3.891	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	1.317	1.317	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	1.374	1.374	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	3.891	3.891	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	5.267	5.267	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	5.497	5.497	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	3.098	3.098	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	.842	.842	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	.842	.842	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.319	1.319	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	3.921	3.921	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	.98	.98	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	3.891	3.891	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	5.267	5.267	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	5.497	5.497	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	3.891	3.891	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,%]
79	M75	X	0	0	0	%100
80	M75	Z	1.317	1.317	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	1.374	1.374	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	1.021	1.021	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	1.021	1.021	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	3.286	3.286	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.64	3.64	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	3.286	3.286	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	3.286	3.286	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	3.286	3.286	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	3.286	3.286	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	3.64	3.64	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	3.286	3.286	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	3.286	3.286	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	3.286	3.286	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	3.286	3.286	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	2.71	2.71	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	3.64	3.64	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	.833	.833	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	3.33	3.33	0	%100
117	M119	X	0	0	0	%100
118	M119	Z	.833	.833	0	%100
119	M133A	X	0	0	0	%100
120	M133A	Z	.91	.91	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	.91	.91	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	-1.531	-1.531	0	%100
2	M1	Z	2.652	2.652	0	%100
3	M4	X	-.516	-.516	0	%100
4	M4	Z	.894	.894	0	%100
5	M10	X	-1.263	-1.263	0	%100
6	M10	Z	2.187	2.187	0	%100
7	MP3A	X	-1.82	-1.82	0	%100
8	MP3A	Z	3.153	3.153	0	%100
9	MP4A	X	-1.643	-1.643	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP4A	Z	2.846	2.846	0	%100
11	MP2A	X	-1.643	-1.643	0	%100
12	MP2A	Z	2.846	2.846	0	%100
13	MP1A	X	-1.643	-1.643	0	%100
14	MP1A	Z	2.846	2.846	0	%100
15	M43	X	-1.263	-1.263	0	%100
16	M43	Z	2.187	2.187	0	%100
17	M46	X	-1.979	-1.979	0	%100
18	M46	Z	3.427	3.427	0	%100
19	M51B	X	-1.47	-1.47	0	%100
20	M51B	Z	2.547	2.547	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	1.123	1.123	0	%100
25	M77	X	-1.975	-1.975	0	%100
26	M77	Z	3.421	3.421	0	%100
27	M80	X	-2.061	-2.061	0	%100
28	M80	Z	3.571	3.571	0	%100
29	M84	X	-.648	-.648	0	%100
30	M84	Z	1.123	1.123	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	-1.263	-1.263	0	%100
38	M37	Z	2.187	2.187	0	%100
39	M38	X	-1.263	-1.263	0	%100
40	M38	Z	2.187	2.187	0	%100
41	M39	X	-1.979	-1.979	0	%100
42	M39	Z	3.427	3.427	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-1.47	-1.47	0	%100
46	M41	Z	2.547	2.547	0	%100
47	M45	X	-.648	-.648	0	%100
48	M45	Z	1.123	1.123	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	1.123	1.123	0	%100
55	M51C	X	-1.975	-1.975	0	%100
56	M51C	Z	3.421	3.421	0	%100
57	M53	X	-2.061	-2.061	0	%100
58	M53	Z	3.571	3.571	0	%100
59	M60	X	-2.066	-2.066	0	%100
60	M60	Z	3.578	3.578	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

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,%]
67	M64	X	-1.47	-1.47	0	%100
68	M64	Z	2.547	2.547	0	%100
69	M65	X	-1.47	-1.47	0	%100
70	M65	Z	2.547	2.547	0	%100
71	M69	X	-2.594	-2.594	0	%100
72	M69	Z	4.493	4.493	0	%100
73	M70	X	-1.975	-1.975	0	%100
74	M70	Z	3.421	3.421	0	%100
75	M72	X	-2.061	-2.061	0	%100
76	M72	Z	3.571	3.571	0	%100
77	M74	X	-2.594	-2.594	0	%100
78	M74	Z	4.493	4.493	0	%100
79	M75	X	-1.975	-1.975	0	%100
80	M75	Z	3.421	3.421	0	%100
81	M77A	X	-2.061	-2.061	0	%100
82	M77A	Z	3.571	3.571	0	%100
83	M82A	X	-1.531	-1.531	0	%100
84	M82A	Z	2.652	2.652	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-1.643	-1.643	0	%100
88	MP5A	Z	2.846	2.846	0	%100
89	MP3C	X	-1.82	-1.82	0	%100
90	MP3C	Z	3.153	3.153	0	%100
91	MP4C	X	-1.643	-1.643	0	%100
92	MP4C	Z	2.846	2.846	0	%100
93	MP2C	X	-1.643	-1.643	0	%100
94	MP2C	Z	2.846	2.846	0	%100
95	MP1C	X	-1.643	-1.643	0	%100
96	MP1C	Z	2.846	2.846	0	%100
97	MP5C	X	-1.643	-1.643	0	%100
98	MP5C	Z	2.846	2.846	0	%100
99	MP3B	X	-1.82	-1.82	0	%100
100	MP3B	Z	3.153	3.153	0	%100
101	MP4B	X	-1.643	-1.643	0	%100
102	MP4B	Z	2.846	2.846	0	%100
103	MP2B	X	-1.643	-1.643	0	%100
104	MP2B	Z	2.846	2.846	0	%100
105	MP1B	X	-1.643	-1.643	0	%100
106	MP1B	Z	2.846	2.846	0	%100
107	MP5B	X	-1.643	-1.643	0	%100
108	MP5B	Z	2.846	2.846	0	%100
109	M107	X	-1.355	-1.355	0	%100
110	M107	Z	2.347	2.347	0	%100
111	M108	X	-1.365	-1.365	0	%100
112	M108	Z	2.365	2.365	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	M118	X	-1.249	-1.249	0	%100
116	M118	Z	2.163	2.163	0	%100
117	M119	X	-1.249	-1.249	0	%100
118	M119	Z	2.163	2.163	0	%100
119	M133A	X	-1.365	-1.365	0	%100
120	M133A	Z	2.365	2.365	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	-.884	-.884	0	%100
2	M1	Z	.51	.51	0	%100
3	M4	X	-2.683	-2.683	0	%100
4	M4	Z	1.549	1.549	0	%100
5	M10	X	-.729	-.729	0	%100
6	M10	Z	.421	.421	0	%100
7	MP3A	X	-3.153	-3.153	0	%100
8	MP3A	Z	1.82	1.82	0	%100
9	MP4A	X	-2.846	-2.846	0	%100
10	MP4A	Z	1.643	1.643	0	%100
11	MP2A	X	-2.846	-2.846	0	%100
12	MP2A	Z	1.643	1.643	0	%100
13	MP1A	X	-2.846	-2.846	0	%100
14	MP1A	Z	1.643	1.643	0	%100
15	M43	X	-.729	-.729	0	%100
16	M43	Z	.421	.421	0	%100
17	M46	X	-1.142	-1.142	0	%100
18	M46	Z	.659	.659	0	%100
19	M51B	X	-3.395	-3.395	0	%100
20	M51B	Z	1.96	1.96	0	%100
21	M52B	X	-.849	-.849	0	%100
22	M52B	Z	.49	.49	0	%100
23	M76	X	-3.37	-3.37	0	%100
24	M76	Z	1.945	1.945	0	%100
25	M77	X	-4.561	-4.561	0	%100
26	M77	Z	2.633	2.633	0	%100
27	M80	X	-4.761	-4.761	0	%100
28	M80	Z	2.749	2.749	0	%100
29	M84	X	-3.37	-3.37	0	%100
30	M84	Z	1.945	1.945	0	%100
31	M85	X	-1.14	-1.14	0	%100
32	M85	Z	.658	.658	0	%100
33	M91	X	-1.19	-1.19	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	-2.916	-2.916	0	%100
38	M37	Z	1.683	1.683	0	%100
39	M38	X	-2.916	-2.916	0	%100
40	M38	Z	1.683	1.683	0	%100
41	M39	X	-4.569	-4.569	0	%100
42	M39	Z	2.638	2.638	0	%100
43	M40	X	-.849	-.849	0	%100
44	M40	Z	.49	.49	0	%100
45	M41	X	-.849	-.849	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	-1.14	-1.14	0	%100
50	M46A	Z	.658	.658	0	%100
51	M48	X	-1.19	-1.19	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	-1.14	-1.14	0	%100
56	M51C	Z	.658	.658	0	%100
57	M53	X	-1.19	-1.19	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,%]
58	M53	Z	.687	.687	0	%100
59	M60	X	-2.683	-2.683	0	%100
60	M60	Z	1.549	1.549	0	%100
61	M61	X	-.729	-.729	0	%100
62	M61	Z	.421	.421	0	%100
63	M62	X	-.729	-.729	0	%100
64	M62	Z	.421	.421	0	%100
65	M63	X	-1.142	-1.142	0	%100
66	M63	Z	.659	.659	0	%100
67	M64	X	-.849	-.849	0	%100
68	M64	Z	.49	.49	0	%100
69	M65	X	-3.395	-3.395	0	%100
70	M65	Z	1.96	1.96	0	%100
71	M69	X	-3.37	-3.37	0	%100
72	M69	Z	1.945	1.945	0	%100
73	M70	X	-1.14	-1.14	0	%100
74	M70	Z	.658	.658	0	%100
75	M72	X	-1.19	-1.19	0	%100
76	M72	Z	.687	.687	0	%100
77	M74	X	-3.37	-3.37	0	%100
78	M74	Z	1.945	1.945	0	%100
79	M75	X	-4.561	-4.561	0	%100
80	M75	Z	2.633	2.633	0	%100
81	M77A	X	-4.761	-4.761	0	%100
82	M77A	Z	2.749	2.749	0	%100
83	M82A	X	-3.536	-3.536	0	%100
84	M82A	Z	2.042	2.042	0	%100
85	M83B	X	-.884	-.884	0	%100
86	M83B	Z	.51	.51	0	%100
87	MP5A	X	-2.846	-2.846	0	%100
88	MP5A	Z	1.643	1.643	0	%100
89	MP3C	X	-3.153	-3.153	0	%100
90	MP3C	Z	1.82	1.82	0	%100
91	MP4C	X	-2.846	-2.846	0	%100
92	MP4C	Z	1.643	1.643	0	%100
93	MP2C	X	-2.846	-2.846	0	%100
94	MP2C	Z	1.643	1.643	0	%100
95	MP1C	X	-2.846	-2.846	0	%100
96	MP1C	Z	1.643	1.643	0	%100
97	MP5C	X	-2.846	-2.846	0	%100
98	MP5C	Z	1.643	1.643	0	%100
99	MP3B	X	-3.153	-3.153	0	%100
100	MP3B	Z	1.82	1.82	0	%100
101	MP4B	X	-2.846	-2.846	0	%100
102	MP4B	Z	1.643	1.643	0	%100
103	MP2B	X	-2.846	-2.846	0	%100
104	MP2B	Z	1.643	1.643	0	%100
105	MP1B	X	-2.846	-2.846	0	%100
106	MP1B	Z	1.643	1.643	0	%100
107	MP5B	X	-2.846	-2.846	0	%100
108	MP5B	Z	1.643	1.643	0	%100
109	M107	X	-2.347	-2.347	0	%100
110	M107	Z	1.355	1.355	0	%100
111	M108	X	-.788	-.788	0	%100
112	M108	Z	.455	.455	0	%100
113	M117	X	-.721	-.721	0	%100
114	M117	Z	.416	.416	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,%]
115	M118	X	-.721	-.721	0	%100
116	M118	Z	.416	.416	0	%100
117	M119	X	-2.884	-2.884	0	%100
118	M119	Z	1.665	1.665	0	%100
119	M133A	X	-3.153	-3.153	0	%100
120	M133A	Z	1.82	1.82	0	%100
121	M134A	X	-.788	-.788	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	-4.131	-4.131	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	-3.64	-3.64	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.286	-3.286	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.286	-3.286	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.286	-3.286	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	-2.94	-2.94	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.94	-2.94	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-5.188	-5.188	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.95	-3.95	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.123	-4.123	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-5.188	-5.188	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.95	-3.95	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.123	-4.123	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	-1.033	-1.033	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	-2.525	-2.525	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	-2.525	-2.525	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	-3.957	-3.957	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-2.94	-2.94	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	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,%]
46	M41	Z	0	0	0	%100
47	M45	X	-1.297	-1.297	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-3.95	-3.95	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-4.123	-4.123	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-1.297	-1.297	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	-1.033	-1.033	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-2.525	-2.525	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-2.525	-2.525	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	-3.957	-3.957	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	-2.94	-2.94	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-1.297	-1.297	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	-1.297	-1.297	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-3.95	-3.95	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-4.123	-4.123	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	-3.063	-3.063	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-3.063	-3.063	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-3.286	-3.286	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	-3.64	-3.64	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-3.286	-3.286	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-3.286	-3.286	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-3.286	-3.286	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-3.286	-3.286	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	-3.64	-3.64	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-3.286	-3.286	0	%100
102	MP4B	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,%]
103	MP2B	X	-3.286	-3.286	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	-3.286	-3.286	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	-3.286	-3.286	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	-2.71	-2.71	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	-2.498	-2.498	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	-2.498	-2.498	0	%100
118	M119	Z	0	0	0	%100
119	M133A	X	-2.73	-2.73	0	%100
120	M133A	Z	0	0	0	%100
121	M134A	X	-2.73	-2.73	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.884	-.884	0	%100
2	M1	Z	-.51	-.51	0	%100
3	M4	X	-2.683	-2.683	0	%100
4	M4	Z	-1.549	-1.549	0	%100
5	M10	X	-.729	-.729	0	%100
6	M10	Z	-.421	-.421	0	%100
7	MP3A	X	-3.153	-3.153	0	%100
8	MP3A	Z	-1.82	-1.82	0	%100
9	MP4A	X	-2.846	-2.846	0	%100
10	MP4A	Z	-1.643	-1.643	0	%100
11	MP2A	X	-2.846	-2.846	0	%100
12	MP2A	Z	-1.643	-1.643	0	%100
13	MP1A	X	-2.846	-2.846	0	%100
14	MP1A	Z	-1.643	-1.643	0	%100
15	M43	X	-.729	-.729	0	%100
16	M43	Z	-.421	-.421	0	%100
17	M46	X	-1.142	-1.142	0	%100
18	M46	Z	-.659	-.659	0	%100
19	M51B	X	-.849	-.849	0	%100
20	M51B	Z	-.49	-.49	0	%100
21	M52B	X	-3.395	-3.395	0	%100
22	M52B	Z	-1.96	-1.96	0	%100
23	M76	X	-3.37	-3.37	0	%100
24	M76	Z	-1.945	-1.945	0	%100
25	M77	X	-1.14	-1.14	0	%100
26	M77	Z	-.658	-.658	0	%100
27	M80	X	-1.19	-1.19	0	%100
28	M80	Z	-.687	-.687	0	%100
29	M84	X	-3.37	-3.37	0	%100
30	M84	Z	-1.945	-1.945	0	%100
31	M85	X	-4.561	-4.561	0	%100
32	M85	Z	-2.633	-2.633	0	%100
33	M91	X	-4.761	-4.761	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,%]
34	M91	Z	-2.749	-2.749	0	%100
35	M36	X	-2.683	-2.683	0	%100
36	M36	Z	-1.549	-1.549	0	%100
37	M37	X	-.729	-.729	0	%100
38	M37	Z	-.421	-.421	0	%100
39	M38	X	-.729	-.729	0	%100
40	M38	Z	-.421	-.421	0	%100
41	M39	X	-1.142	-1.142	0	%100
42	M39	Z	-.659	-.659	0	%100
43	M40	X	-3.395	-3.395	0	%100
44	M40	Z	-1.96	-1.96	0	%100
45	M41	X	-.849	-.849	0	%100
46	M41	Z	-.49	-.49	0	%100
47	M45	X	-3.37	-3.37	0	%100
48	M45	Z	-1.945	-1.945	0	%100
49	M46A	X	-4.561	-4.561	0	%100
50	M46A	Z	-2.633	-2.633	0	%100
51	M48	X	-4.761	-4.761	0	%100
52	M48	Z	-2.749	-2.749	0	%100
53	M50A	X	-3.37	-3.37	0	%100
54	M50A	Z	-1.945	-1.945	0	%100
55	M51C	X	-1.14	-1.14	0	%100
56	M51C	Z	-.658	-.658	0	%100
57	M53	X	-1.19	-1.19	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	-2.916	-2.916	0	%100
62	M61	Z	-1.683	-1.683	0	%100
63	M62	X	-2.916	-2.916	0	%100
64	M62	Z	-1.683	-1.683	0	%100
65	M63	X	-4.569	-4.569	0	%100
66	M63	Z	-2.638	-2.638	0	%100
67	M64	X	-.849	-.849	0	%100
68	M64	Z	-.49	-.49	0	%100
69	M65	X	-.849	-.849	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	-1.14	-1.14	0	%100
74	M70	Z	-.658	-.658	0	%100
75	M72	X	-1.19	-1.19	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	-1.14	-1.14	0	%100
80	M75	Z	-.658	-.658	0	%100
81	M77A	X	-1.19	-1.19	0	%100
82	M77A	Z	-.687	-.687	0	%100
83	M82A	X	-.884	-.884	0	%100
84	M82A	Z	-.51	-.51	0	%100
85	M83B	X	-3.536	-3.536	0	%100
86	M83B	Z	-2.042	-2.042	0	%100
87	MP5A	X	-2.846	-2.846	0	%100
88	MP5A	Z	-1.643	-1.643	0	%100
89	MP3C	X	-3.153	-3.153	0	%100
90	MP3C	Z	-1.82	-1.82	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,%]
91	MP4C	X	-2.846	-2.846	0	%100
92	MP4C	Z	-1.643	-1.643	0	%100
93	MP2C	X	-2.846	-2.846	0	%100
94	MP2C	Z	-1.643	-1.643	0	%100
95	MP1C	X	-2.846	-2.846	0	%100
96	MP1C	Z	-1.643	-1.643	0	%100
97	MP5C	X	-2.846	-2.846	0	%100
98	MP5C	Z	-1.643	-1.643	0	%100
99	MP3B	X	-3.153	-3.153	0	%100
100	MP3B	Z	-1.82	-1.82	0	%100
101	MP4B	X	-2.846	-2.846	0	%100
102	MP4B	Z	-1.643	-1.643	0	%100
103	MP2B	X	-2.846	-2.846	0	%100
104	MP2B	Z	-1.643	-1.643	0	%100
105	MP1B	X	-2.846	-2.846	0	%100
106	MP1B	Z	-1.643	-1.643	0	%100
107	MP5B	X	-2.846	-2.846	0	%100
108	MP5B	Z	-1.643	-1.643	0	%100
109	M107	X	-2.347	-2.347	0	%100
110	M107	Z	-1.355	-1.355	0	%100
111	M108	X	-.788	-.788	0	%100
112	M108	Z	-.455	-.455	0	%100
113	M117	X	-2.884	-2.884	0	%100
114	M117	Z	-1.665	-1.665	0	%100
115	M118	X	-.721	-.721	0	%100
116	M118	Z	-.416	-.416	0	%100
117	M119	X	-.721	-.721	0	%100
118	M119	Z	-.416	-.416	0	%100
119	M133A	X	-.788	-.788	0	%100
120	M133A	Z	-.455	-.455	0	%100
121	M134A	X	-3.153	-3.153	0	%100
122	M134A	Z	-1.82	-1.82	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	-1.531	-1.531	0	%100
2	M1	Z	-2.652	-2.652	0	%100
3	M4	X	-.516	-.516	0	%100
4	M4	Z	-.894	-.894	0	%100
5	M10	X	-1.263	-1.263	0	%100
6	M10	Z	-2.187	-2.187	0	%100
7	MP3A	X	-1.82	-1.82	0	%100
8	MP3A	Z	-3.153	-3.153	0	%100
9	MP4A	X	-1.643	-1.643	0	%100
10	MP4A	Z	-2.846	-2.846	0	%100
11	MP2A	X	-1.643	-1.643	0	%100
12	MP2A	Z	-2.846	-2.846	0	%100
13	MP1A	X	-1.643	-1.643	0	%100
14	MP1A	Z	-2.846	-2.846	0	%100
15	M43	X	-1.263	-1.263	0	%100
16	M43	Z	-2.187	-2.187	0	%100
17	M46	X	-1.979	-1.979	0	%100
18	M46	Z	-3.427	-3.427	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.47	-1.47	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,%]
22	M52B	Z	-2.547	-2.547	0	%100
23	M76	X	-.648	-.648	0	%100
24	M76	Z	-1.123	-1.123	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	-1.123	-1.123	0	%100
31	M85	X	-1.975	-1.975	0	%100
32	M85	Z	-3.421	-3.421	0	%100
33	M91	X	-2.061	-2.061	0	%100
34	M91	Z	-3.571	-3.571	0	%100
35	M36	X	-2.066	-2.066	0	%100
36	M36	Z	-3.578	-3.578	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	-1.47	-1.47	0	%100
44	M40	Z	-2.547	-2.547	0	%100
45	M41	X	-1.47	-1.47	0	%100
46	M41	Z	-2.547	-2.547	0	%100
47	M45	X	-2.594	-2.594	0	%100
48	M45	Z	-4.493	-4.493	0	%100
49	M46A	X	-1.975	-1.975	0	%100
50	M46A	Z	-3.421	-3.421	0	%100
51	M48	X	-2.061	-2.061	0	%100
52	M48	Z	-3.571	-3.571	0	%100
53	M50A	X	-2.594	-2.594	0	%100
54	M50A	Z	-4.493	-4.493	0	%100
55	M51C	X	-1.975	-1.975	0	%100
56	M51C	Z	-3.421	-3.421	0	%100
57	M53	X	-2.061	-2.061	0	%100
58	M53	Z	-3.571	-3.571	0	%100
59	M60	X	-.516	-.516	0	%100
60	M60	Z	-.894	-.894	0	%100
61	M61	X	-1.263	-1.263	0	%100
62	M61	Z	-2.187	-2.187	0	%100
63	M62	X	-1.263	-1.263	0	%100
64	M62	Z	-2.187	-2.187	0	%100
65	M63	X	-1.979	-1.979	0	%100
66	M63	Z	-3.427	-3.427	0	%100
67	M64	X	-1.47	-1.47	0	%100
68	M64	Z	-2.547	-2.547	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	-1.123	-1.123	0	%100
73	M70	X	-1.975	-1.975	0	%100
74	M70	Z	-3.421	-3.421	0	%100
75	M72	X	-2.061	-2.061	0	%100
76	M72	Z	-3.571	-3.571	0	%100
77	M74	X	-.648	-.648	0	%100
78	M74	Z	-1.123	-1.123	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,%]
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	-1.531	-1.531	0	%100
86	M83B	Z	-2.652	-2.652	0	%100
87	MP5A	X	-1.643	-1.643	0	%100
88	MP5A	Z	-2.846	-2.846	0	%100
89	MP3C	X	-1.82	-1.82	0	%100
90	MP3C	Z	-3.153	-3.153	0	%100
91	MP4C	X	-1.643	-1.643	0	%100
92	MP4C	Z	-2.846	-2.846	0	%100
93	MP2C	X	-1.643	-1.643	0	%100
94	MP2C	Z	-2.846	-2.846	0	%100
95	MP1C	X	-1.643	-1.643	0	%100
96	MP1C	Z	-2.846	-2.846	0	%100
97	MP5C	X	-1.643	-1.643	0	%100
98	MP5C	Z	-2.846	-2.846	0	%100
99	MP3B	X	-1.82	-1.82	0	%100
100	MP3B	Z	-3.153	-3.153	0	%100
101	MP4B	X	-1.643	-1.643	0	%100
102	MP4B	Z	-2.846	-2.846	0	%100
103	MP2B	X	-1.643	-1.643	0	%100
104	MP2B	Z	-2.846	-2.846	0	%100
105	MP1B	X	-1.643	-1.643	0	%100
106	MP1B	Z	-2.846	-2.846	0	%100
107	MP5B	X	-1.643	-1.643	0	%100
108	MP5B	Z	-2.846	-2.846	0	%100
109	M107	X	-1.355	-1.355	0	%100
110	M107	Z	-2.347	-2.347	0	%100
111	M108	X	-1.365	-1.365	0	%100
112	M108	Z	-2.365	-2.365	0	%100
113	M117	X	-1.249	-1.249	0	%100
114	M117	Z	-2.163	-2.163	0	%100
115	M118	X	-1.249	-1.249	0	%100
116	M118	Z	-2.163	-2.163	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	-1.365	-1.365	0	%100
122	M134A	Z	-2.365	-2.365	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	-.875	-.875	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	-.768	-.768	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.734	-.734	0	%100
9	MP4A	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,%]
10	MP4A	Z	-.606	-.606	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.606	-.606	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.606	-.606	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.768	-.768	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.531	-1.531	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.213	-.213	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.213	-.213	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	-.39	-.39	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.411	-.411	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	-.39	-.39	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.411	-.411	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-.683	-.683	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	-.383	-.383	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-.213	-.213	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-.851	-.851	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.148	-1.148	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-.39	-.39	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-.411	-.411	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-1.148	-1.148	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-1.559	-1.559	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-1.642	-1.642	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-.683	-.683	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	-.383	-.383	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,%]
67	M64	X	0	0	0	%100
68	M64	Z	-.851	-.851	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-.213	-.213	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-1.148	-1.148	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-1.559	-1.559	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-1.642	-1.642	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-1.148	-1.148	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-.39	-.39	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-.411	-.411	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.219	-.219	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	-.219	-.219	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-.606	-.606	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.734	-.734	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.606	-.606	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.606	-.606	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-.606	-.606	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-.606	-.606	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.734	-.734	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.606	-.606	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-.606	-.606	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-.606	-.606	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	-.606	-.606	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-.496	-.496	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-.734	-.734	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	-.499	-.499	0	%100
7	MP3A	X	.367	.367	0	%100
8	MP3A	Z	-.635	-.635	0	%100
9	MP4A	X	.303	.303	0	%100
10	MP4A	Z	-.525	-.525	0	%100
11	MP2A	X	.303	.303	0	%100
12	MP2A	Z	-.525	-.525	0	%100
13	MP1A	X	.303	.303	0	%100
14	MP1A	Z	-.525	-.525	0	%100
15	M43	X	.288	.288	0	%100
16	M43	Z	-.499	-.499	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	.585	.585	0	%100
26	M77	Z	-1.013	-1.013	0	%100
27	M80	X	.616	.616	0	%100
28	M80	Z	-1.067	-1.067	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	-.499	-.499	0	%100
39	M38	X	.288	.288	0	%100
40	M38	Z	-.499	-.499	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	.585	.585	0	%100
56	M51C	Z	-1.013	-1.013	0	%100
57	M53	X	.616	.616	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,%]
58	M53	Z	-1.067	-1.067	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	.766	.766	0	%100
72	M69	Z	-1.326	-1.326	0	%100
73	M70	X	.585	.585	0	%100
74	M70	Z	-1.013	-1.013	0	%100
75	M72	X	.616	.616	0	%100
76	M72	Z	-1.067	-1.067	0	%100
77	M74	X	.766	.766	0	%100
78	M74	Z	-1.326	-1.326	0	%100
79	M75	X	.585	.585	0	%100
80	M75	Z	-1.013	-1.013	0	%100
81	M77A	X	.616	.616	0	%100
82	M77A	Z	-1.067	-1.067	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	-.525	-.525	0	%100
89	MP3C	X	.367	.367	0	%100
90	MP3C	Z	-.635	-.635	0	%100
91	MP4C	X	.303	.303	0	%100
92	MP4C	Z	-.525	-.525	0	%100
93	MP2C	X	.303	.303	0	%100
94	MP2C	Z	-.525	-.525	0	%100
95	MP1C	X	.303	.303	0	%100
96	MP1C	Z	-.525	-.525	0	%100
97	MP5C	X	.303	.303	0	%100
98	MP5C	Z	-.525	-.525	0	%100
99	MP3B	X	.367	.367	0	%100
100	MP3B	Z	-.635	-.635	0	%100
101	MP4B	X	.303	.303	0	%100
102	MP4B	Z	-.525	-.525	0	%100
103	MP2B	X	.303	.303	0	%100
104	MP2B	Z	-.525	-.525	0	%100
105	MP1B	X	.303	.303	0	%100
106	MP1B	Z	-.525	-.525	0	%100
107	MP5B	X	.303	.303	0	%100
108	MP5B	Z	-.525	-.525	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	-.477	-.477	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	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,%]
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	-.477	-.477	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	-.367	-.367	0	%100
9	MP4A	X	.525	.525	0	%100
10	MP4A	Z	-.303	-.303	0	%100
11	MP2A	X	.525	.525	0	%100
12	MP2A	Z	-.303	-.303	0	%100
13	MP1A	X	.525	.525	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	.737	.737	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	1.35	1.35	0	%100
26	M77	Z	-.78	-.78	0	%100
27	M80	X	1.422	1.422	0	%100
28	M80	Z	-.821	-.821	0	%100
29	M84	X	.994	.994	0	%100
30	M84	Z	-.574	-.574	0	%100
31	M85	X	.338	.338	0	%100
32	M85	Z	-.195	-.195	0	%100
33	M91	X	.356	.356	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	.665	.665	0	%100
38	M37	Z	-.384	-.384	0	%100
39	M38	X	.665	.665	0	%100
40	M38	Z	-.384	-.384	0	%100
41	M39	X	1.326	1.326	0	%100
42	M39	Z	-.766	-.766	0	%100
43	M40	X	.184	.184	0	%100
44	M40	Z	-.106	-.106	0	%100
45	M41	X	.184	.184	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M41	Z	-.106	-.106	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	.338	.338	0	%100
50	M46A	Z	-.195	-.195	0	%100
51	M48	X	.356	.356	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	.338	.338	0	%100
56	M51C	Z	-.195	-.195	0	%100
57	M53	X	.356	.356	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
67	M64	X	.184	.184	0	%100
68	M64	Z	-.106	-.106	0	%100
69	M65	X	.737	.737	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	.338	.338	0	%100
74	M70	Z	-.195	-.195	0	%100
75	M72	X	.356	.356	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	1.35	1.35	0	%100
80	M75	Z	-.78	-.78	0	%100
81	M77A	X	1.422	1.422	0	%100
82	M77A	Z	-.821	-.821	0	%100
83	M82A	X	.758	.758	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	.525	.525	0	%100
88	MP5A	Z	-.303	-.303	0	%100
89	MP3C	X	.635	.635	0	%100
90	MP3C	Z	-.367	-.367	0	%100
91	MP4C	X	.525	.525	0	%100
92	MP4C	Z	-.303	-.303	0	%100
93	MP2C	X	.525	.525	0	%100
94	MP2C	Z	-.303	-.303	0	%100
95	MP1C	X	.525	.525	0	%100
96	MP1C	Z	-.303	-.303	0	%100
97	MP5C	X	.525	.525	0	%100
98	MP5C	Z	-.303	-.303	0	%100
99	MP3B	X	.635	.635	0	%100
100	MP3B	Z	-.367	-.367	0	%100
101	MP4B	X	.525	.525	0	%100
102	MP4B	Z	-.303	-.303	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP2B	X	.525	.525	0	%100
104	MP2B	Z	-.303	-.303	0	%100
105	MP1B	X	.525	.525	0	%100
106	MP1B	Z	-.303	-.303	0	%100
107	MP5B	X	.525	.525	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	.714	.714	0	%100
118	M119	Z	-.412	-.412	0	%100
119	M133A	X	.635	.635	0	%100
120	M133A	Z	-.367	-.367	0	%100
121	M134A	X	.159	.159	0	%100
122	M134A	Z	-.092	-.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.91	.91	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	.734	.734	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.606	.606	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.606	.606	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.606	.606	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	.638	.638	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.638	.638	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.531	1.531	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.17	1.17	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.232	1.232	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.531	1.531	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.17	1.17	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.232	1.232	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,%]
34	M91	Z	0	0	0	%100
35	M36	X	.228	.228	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	.576	.576	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	.576	.576	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	1.148	1.148	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	.638	.638	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	.383	.383	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	1.17	1.17	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	1.232	1.232	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	.383	.383	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	.228	.228	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	.576	.576	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	.576	.576	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	1.148	1.148	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	.638	.638	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	.383	.383	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	.383	.383	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	1.17	1.17	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	1.232	1.232	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	.656	.656	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	.656	.656	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	.606	.606	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	.734	.734	0	%100
90	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP4C	X	.606	.606	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	.606	.606	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	.606	.606	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	.606	.606	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	.734	.734	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.606	.606	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	.606	.606	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	.606	.606	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	.606	.606	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	.496	.496	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 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	.367	.367	0	%100
9	MP4A	X	.525	.525	0	%100
10	MP4A	Z	.303	.303	0	%100
11	MP2A	X	.525	.525	0	%100
12	MP2A	Z	.303	.303	0	%100
13	MP1A	X	.525	.525	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	.737	.737	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M52B	Z	.425	.425	0	%100
23	M76	X	.994	.994	0	%100
24	M76	Z	.574	.574	0	%100
25	M77	X	.338	.338	0	%100
26	M77	Z	.195	.195	0	%100
27	M80	X	.356	.356	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	1.35	1.35	0	%100
32	M85	Z	.78	.78	0	%100
33	M91	X	1.422	1.422	0	%100
34	M91	Z	.821	.821	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	.737	.737	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	1.35	1.35	0	%100
50	M46A	Z	.78	.78	0	%100
51	M48	X	1.422	1.422	0	%100
52	M48	Z	.821	.821	0	%100
53	M50A	X	.994	.994	0	%100
54	M50A	Z	.574	.574	0	%100
55	M51C	X	.338	.338	0	%100
56	M51C	Z	.195	.195	0	%100
57	M53	X	.356	.356	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	.665	.665	0	%100
62	M61	Z	.384	.384	0	%100
63	M62	X	.665	.665	0	%100
64	M62	Z	.384	.384	0	%100
65	M63	X	1.326	1.326	0	%100
66	M63	Z	.766	.766	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	.338	.338	0	%100
74	M70	Z	.195	.195	0	%100
75	M72	X	.356	.356	0	%100
76	M72	Z	.205	.205	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M75	X	.338	.338	0	%100
80	M75	Z	.195	.195	0	%100
81	M77A	X	.356	.356	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	.758	.758	0	%100
86	M83B	Z	.437	.437	0	%100
87	MP5A	X	.525	.525	0	%100
88	MP5A	Z	.303	.303	0	%100
89	MP3C	X	.635	.635	0	%100
90	MP3C	Z	.367	.367	0	%100
91	MP4C	X	.525	.525	0	%100
92	MP4C	Z	.303	.303	0	%100
93	MP2C	X	.525	.525	0	%100
94	MP2C	Z	.303	.303	0	%100
95	MP1C	X	.525	.525	0	%100
96	MP1C	Z	.303	.303	0	%100
97	MP5C	X	.525	.525	0	%100
98	MP5C	Z	.303	.303	0	%100
99	MP3B	X	.635	.635	0	%100
100	MP3B	Z	.367	.367	0	%100
101	MP4B	X	.525	.525	0	%100
102	MP4B	Z	.303	.303	0	%100
103	MP2B	X	.525	.525	0	%100
104	MP2B	Z	.303	.303	0	%100
105	MP1B	X	.525	.525	0	%100
106	MP1B	Z	.303	.303	0	%100
107	MP5B	X	.525	.525	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	.714	.714	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	.367	.367	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	.499	.499	0	%100
7	MP3A	X	.367	.367	0	%100
8	MP3A	Z	.635	.635	0	%100
9	MP4A	X	.303	.303	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,%]
10	MP4A	Z	.525	.525	0	%100
11	MP2A	X	.303	.303	0	%100
12	MP2A	Z	.525	.525	0	%100
13	MP1A	X	.303	.303	0	%100
14	MP1A	Z	.525	.525	0	%100
15	M43	X	.288	.288	0	%100
16	M43	Z	.499	.499	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	.585	.585	0	%100
32	M85	Z	1.013	1.013	0	%100
33	M91	X	.616	.616	0	%100
34	M91	Z	1.067	1.067	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	.766	.766	0	%100
48	M45	Z	1.326	1.326	0	%100
49	M46A	X	.585	.585	0	%100
50	M46A	Z	1.013	1.013	0	%100
51	M48	X	.616	.616	0	%100
52	M48	Z	1.067	1.067	0	%100
53	M50A	X	.766	.766	0	%100
54	M50A	Z	1.326	1.326	0	%100
55	M51C	X	.585	.585	0	%100
56	M51C	Z	1.013	1.013	0	%100
57	M53	X	.616	.616	0	%100
58	M53	Z	1.067	1.067	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	.499	.499	0	%100
63	M62	X	.288	.288	0	%100
64	M62	Z	.499	.499	0	%100
65	M63	X	.574	.574	0	%100
66	M63	Z	.994	.994	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,%]
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	.585	.585	0	%100
74	M70	Z	1.013	1.013	0	%100
75	M72	X	.616	.616	0	%100
76	M72	Z	1.067	1.067	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	.525	.525	0	%100
89	MP3C	X	.367	.367	0	%100
90	MP3C	Z	.635	.635	0	%100
91	MP4C	X	.303	.303	0	%100
92	MP4C	Z	.525	.525	0	%100
93	MP2C	X	.303	.303	0	%100
94	MP2C	Z	.525	.525	0	%100
95	MP1C	X	.303	.303	0	%100
96	MP1C	Z	.525	.525	0	%100
97	MP5C	X	.303	.303	0	%100
98	MP5C	Z	.525	.525	0	%100
99	MP3B	X	.367	.367	0	%100
100	MP3B	Z	.635	.635	0	%100
101	MP4B	X	.303	.303	0	%100
102	MP4B	Z	.525	.525	0	%100
103	MP2B	X	.303	.303	0	%100
104	MP2B	Z	.525	.525	0	%100
105	MP1B	X	.303	.303	0	%100
106	MP1B	Z	.525	.525	0	%100
107	MP5B	X	.303	.303	0	%100
108	MP5B	Z	.525	.525	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	.477	.477	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	.477	.477	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	.875	.875	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	.768	.768	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.734	.734	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.606	.606	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.606	.606	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.606	.606	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.768	.768	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.531	1.531	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.213	.213	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.213	.213	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	.39	.39	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.411	.411	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	.39	.39	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.411	.411	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	.683	.683	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	.383	.383	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	.213	.213	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	.851	.851	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.148	1.148	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	.39	.39	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	.411	.411	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	1.148	1.148	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	1.559	1.559	0	%100
57	M53	X	0	0	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,%]
58	M53	Z	1.642	1.642	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	.683	.683	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	.383	.383	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	.851	.851	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	.213	.213	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	1.148	1.148	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	1.559	1.559	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	1.642	1.642	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	1.148	1.148	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	.39	.39	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	.411	.411	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.219	.219	0	%100
85	M83B	X	0	0	0	%100
86	M83B	Z	.219	.219	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	.606	.606	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.734	.734	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.606	.606	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.606	.606	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	.606	.606	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	.606	.606	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.734	.734	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.606	.606	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	.606	.606	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	.606	.606	0	%100
107	MP5B	X	0	0	0	%100
108	MP5B	Z	.606	.606	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	.496	.496	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.734	.734	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	.206	.206	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,%]
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	.499	.499	0	%100
7	MP3A	X	-.367	-.367	0	%100
8	MP3A	Z	.635	.635	0	%100
9	MP4A	X	-.303	-.303	0	%100
10	MP4A	Z	.525	.525	0	%100
11	MP2A	X	-.303	-.303	0	%100
12	MP2A	Z	.525	.525	0	%100
13	MP1A	X	-.303	-.303	0	%100
14	MP1A	Z	.525	.525	0	%100
15	M43	X	-.288	-.288	0	%100
16	M43	Z	.499	.499	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	-.585	-.585	0	%100
26	M77	Z	1.013	1.013	0	%100
27	M80	X	-.616	-.616	0	%100
28	M80	Z	1.067	1.067	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	.499	.499	0	%100
39	M38	X	-.288	-.288	0	%100
40	M38	Z	.499	.499	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

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,%]
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	-.585	-.585	0	%100
56	M51C	Z	1.013	1.013	0	%100
57	M53	X	-.616	-.616	0	%100
58	M53	Z	1.067	1.067	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	-.766	-.766	0	%100
72	M69	Z	1.326	1.326	0	%100
73	M70	X	-.585	-.585	0	%100
74	M70	Z	1.013	1.013	0	%100
75	M72	X	-.616	-.616	0	%100
76	M72	Z	1.067	1.067	0	%100
77	M74	X	-.766	-.766	0	%100
78	M74	Z	1.326	1.326	0	%100
79	M75	X	-.585	-.585	0	%100
80	M75	Z	1.013	1.013	0	%100
81	M77A	X	-.616	-.616	0	%100
82	M77A	Z	1.067	1.067	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	.525	.525	0	%100
89	MP3C	X	-.367	-.367	0	%100
90	MP3C	Z	.635	.635	0	%100
91	MP4C	X	-.303	-.303	0	%100
92	MP4C	Z	.525	.525	0	%100
93	MP2C	X	-.303	-.303	0	%100
94	MP2C	Z	.525	.525	0	%100
95	MP1C	X	-.303	-.303	0	%100
96	MP1C	Z	.525	.525	0	%100
97	MP5C	X	-.303	-.303	0	%100
98	MP5C	Z	.525	.525	0	%100
99	MP3B	X	-.367	-.367	0	%100
100	MP3B	Z	.635	.635	0	%100
101	MP4B	X	-.303	-.303	0	%100
102	MP4B	Z	.525	.525	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP2B	X	-.303	-.303	0	%100
104	MP2B	Z	.525	.525	0	%100
105	MP1B	X	-.303	-.303	0	%100
106	MP1B	Z	.525	.525	0	%100
107	MP5B	X	-.303	-.303	0	%100
108	MP5B	Z	.525	.525	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	.477	.477	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	.477	.477	0	%100
121	M134A	X	0	0	0	%100
122	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.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	.367	.367	0	%100
9	MP4A	X	-.525	-.525	0	%100
10	MP4A	Z	.303	.303	0	%100
11	MP2A	X	-.525	-.525	0	%100
12	MP2A	Z	.303	.303	0	%100
13	MP1A	X	-.525	-.525	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	-.737	-.737	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	-1.35	-1.35	0	%100
26	M77	Z	.78	.78	0	%100
27	M80	X	-1.422	-1.422	0	%100
28	M80	Z	.821	.821	0	%100
29	M84	X	-.994	-.994	0	%100
30	M84	Z	.574	.574	0	%100
31	M85	X	-.338	-.338	0	%100
32	M85	Z	.195	.195	0	%100
33	M91	X	-.356	-.356	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,%]
34	M91	Z	.205	.205	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	-.665	-.665	0	%100
38	M37	Z	.384	.384	0	%100
39	M38	X	-.665	-.665	0	%100
40	M38	Z	.384	.384	0	%100
41	M39	X	-1.326	-1.326	0	%100
42	M39	Z	.766	.766	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	-.338	-.338	0	%100
50	M46A	Z	.195	.195	0	%100
51	M48	X	-.356	-.356	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	-.338	-.338	0	%100
56	M51C	Z	.195	.195	0	%100
57	M53	X	-.356	-.356	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
67	M64	X	-.184	-.184	0	%100
68	M64	Z	.106	.106	0	%100
69	M65	X	-.737	-.737	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	-.338	-.338	0	%100
74	M70	Z	.195	.195	0	%100
75	M72	X	-.356	-.356	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	-1.35	-1.35	0	%100
80	M75	Z	.78	.78	0	%100
81	M77A	X	-1.422	-1.422	0	%100
82	M77A	Z	.821	.821	0	%100
83	M82A	X	-.758	-.758	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	-.525	-.525	0	%100
88	MP5A	Z	.303	.303	0	%100
89	MP3C	X	-.635	-.635	0	%100
90	MP3C	Z	.367	.367	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,%]
91	MP4C	X	-.525	-.525	0	%100
92	MP4C	Z	.303	.303	0	%100
93	MP2C	X	-.525	-.525	0	%100
94	MP2C	Z	.303	.303	0	%100
95	MP1C	X	-.525	-.525	0	%100
96	MP1C	Z	.303	.303	0	%100
97	MP5C	X	-.525	-.525	0	%100
98	MP5C	Z	.303	.303	0	%100
99	MP3B	X	-.635	-.635	0	%100
100	MP3B	Z	.367	.367	0	%100
101	MP4B	X	-.525	-.525	0	%100
102	MP4B	Z	.303	.303	0	%100
103	MP2B	X	-.525	-.525	0	%100
104	MP2B	Z	.303	.303	0	%100
105	MP1B	X	-.525	-.525	0	%100
106	MP1B	Z	.303	.303	0	%100
107	MP5B	X	-.525	-.525	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	-.714	-.714	0	%100
118	M119	Z	.412	.412	0	%100
119	M133A	X	-.635	-.635	0	%100
120	M133A	Z	.367	.367	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	-.91	-.91	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	-.734	-.734	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.606	-.606	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.606	-.606	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.606	-.606	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	-.638	-.638	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.638	-.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M52B	Z	0	0	0	%100
23	M76	X	-1.531	-1.531	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.17	-1.17	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.232	-1.232	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.531	-1.531	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.17	-1.17	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.232	-1.232	0	%100
34	M91	Z	0	0	0	%100
35	M36	X	-.228	-.228	0	%100
36	M36	Z	0	0	0	%100
37	M37	X	-.576	-.576	0	%100
38	M37	Z	0	0	0	%100
39	M38	X	-.576	-.576	0	%100
40	M38	Z	0	0	0	%100
41	M39	X	-1.148	-1.148	0	%100
42	M39	Z	0	0	0	%100
43	M40	X	-.638	-.638	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	-.383	-.383	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-1.17	-1.17	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-1.232	-1.232	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-.383	-.383	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	-.228	-.228	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-.576	-.576	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-.576	-.576	0	%100
64	M62	Z	0	0	0	%100
65	M63	X	-1.148	-1.148	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	-.638	-.638	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-.383	-.383	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	-.383	-.383	0	%100
78	M74	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M75	X	-1.17	-1.17	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-1.232	-1.232	0	%100
82	M77A	Z	0	0	0	%100
83	M82A	X	-.656	-.656	0	%100
84	M82A	Z	0	0	0	%100
85	M83B	X	-.656	-.656	0	%100
86	M83B	Z	0	0	0	%100
87	MP5A	X	-.606	-.606	0	%100
88	MP5A	Z	0	0	0	%100
89	MP3C	X	-.734	-.734	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-.606	-.606	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-.606	-.606	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-.606	-.606	0	%100
96	MP1C	Z	0	0	0	%100
97	MP5C	X	-.606	-.606	0	%100
98	MP5C	Z	0	0	0	%100
99	MP3B	X	-.734	-.734	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-.606	-.606	0	%100
102	MP4B	Z	0	0	0	%100
103	MP2B	X	-.606	-.606	0	%100
104	MP2B	Z	0	0	0	%100
105	MP1B	X	-.606	-.606	0	%100
106	MP1B	Z	0	0	0	%100
107	MP5B	X	-.606	-.606	0	%100
108	MP5B	Z	0	0	0	%100
109	M107	X	-.496	-.496	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	-.367	-.367	0	%100
9	MP4A	X	-.525	-.525	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,%]
10	MP4A	Z	-.303	-.303	0	%100
11	MP2A	X	-.525	-.525	0	%100
12	MP2A	Z	-.303	-.303	0	%100
13	MP1A	X	-.525	-.525	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	-.737	-.737	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	-.338	-.338	0	%100
26	M77	Z	-.195	-.195	0	%100
27	M80	X	-.356	-.356	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	-1.35	-1.35	0	%100
32	M85	Z	-.78	-.78	0	%100
33	M91	X	-1.422	-1.422	0	%100
34	M91	Z	-.821	-.821	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	-.737	-.737	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	-1.35	-1.35	0	%100
50	M46A	Z	-.78	-.78	0	%100
51	M48	X	-1.422	-1.422	0	%100
52	M48	Z	-.821	-.821	0	%100
53	M50A	X	-.994	-.994	0	%100
54	M50A	Z	-.574	-.574	0	%100
55	M51C	X	-.338	-.338	0	%100
56	M51C	Z	-.195	-.195	0	%100
57	M53	X	-.356	-.356	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	-.665	-.665	0	%100
62	M61	Z	-.384	-.384	0	%100
63	M62	X	-.665	-.665	0	%100
64	M62	Z	-.384	-.384	0	%100
65	M63	X	-1.326	-1.326	0	%100
66	M63	Z	-.766	-.766	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,%]
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	-.338	-.338	0	%100
74	M70	Z	-.195	-.195	0	%100
75	M72	X	-.356	-.356	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	-.338	-.338	0	%100
80	M75	Z	-.195	-.195	0	%100
81	M77A	X	-.356	-.356	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	-.758	-.758	0	%100
86	M83B	Z	-.437	-.437	0	%100
87	MP5A	X	-.525	-.525	0	%100
88	MP5A	Z	-.303	-.303	0	%100
89	MP3C	X	-.635	-.635	0	%100
90	MP3C	Z	-.367	-.367	0	%100
91	MP4C	X	-.525	-.525	0	%100
92	MP4C	Z	-.303	-.303	0	%100
93	MP2C	X	-.525	-.525	0	%100
94	MP2C	Z	-.303	-.303	0	%100
95	MP1C	X	-.525	-.525	0	%100
96	MP1C	Z	-.303	-.303	0	%100
97	MP5C	X	-.525	-.525	0	%100
98	MP5C	Z	-.303	-.303	0	%100
99	MP3B	X	-.635	-.635	0	%100
100	MP3B	Z	-.367	-.367	0	%100
101	MP4B	X	-.525	-.525	0	%100
102	MP4B	Z	-.303	-.303	0	%100
103	MP2B	X	-.525	-.525	0	%100
104	MP2B	Z	-.303	-.303	0	%100
105	MP1B	X	-.525	-.525	0	%100
106	MP1B	Z	-.303	-.303	0	%100
107	MP5B	X	-.525	-.525	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	-.714	-.714	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	-.367	-.367	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	-.499	-.499	0	%100
7	MP3A	X	-.367	-.367	0	%100
8	MP3A	Z	-.635	-.635	0	%100
9	MP4A	X	-.303	-.303	0	%100
10	MP4A	Z	-.525	-.525	0	%100
11	MP2A	X	-.303	-.303	0	%100
12	MP2A	Z	-.525	-.525	0	%100
13	MP1A	X	-.303	-.303	0	%100
14	MP1A	Z	-.525	-.525	0	%100
15	M43	X	-.288	-.288	0	%100
16	M43	Z	-.499	-.499	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	-.585	-.585	0	%100
32	M85	Z	-1.013	-1.013	0	%100
33	M91	X	-.616	-.616	0	%100
34	M91	Z	-1.067	-1.067	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	-.766	-.766	0	%100
48	M45	Z	-1.326	-1.326	0	%100
49	M46A	X	-.585	-.585	0	%100
50	M46A	Z	-1.013	-1.013	0	%100
51	M48	X	-.616	-.616	0	%100
52	M48	Z	-1.067	-1.067	0	%100
53	M50A	X	-.766	-.766	0	%100
54	M50A	Z	-1.326	-1.326	0	%100
55	M51C	X	-.585	-.585	0	%100
56	M51C	Z	-1.013	-1.013	0	%100
57	M53	X	-.616	-.616	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,%]
58	M53	Z	-1.067	-1.067	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	-.499	-.499	0	%100
63	M62	X	-.288	-.288	0	%100
64	M62	Z	-.499	-.499	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	-.585	-.585	0	%100
74	M70	Z	-1.013	-1.013	0	%100
75	M72	X	-.616	-.616	0	%100
76	M72	Z	-1.067	-1.067	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	-.525	-.525	0	%100
89	MP3C	X	-.367	-.367	0	%100
90	MP3C	Z	-.635	-.635	0	%100
91	MP4C	X	-.303	-.303	0	%100
92	MP4C	Z	-.525	-.525	0	%100
93	MP2C	X	-.303	-.303	0	%100
94	MP2C	Z	-.525	-.525	0	%100
95	MP1C	X	-.303	-.303	0	%100
96	MP1C	Z	-.525	-.525	0	%100
97	MP5C	X	-.303	-.303	0	%100
98	MP5C	Z	-.525	-.525	0	%100
99	MP3B	X	-.367	-.367	0	%100
100	MP3B	Z	-.635	-.635	0	%100
101	MP4B	X	-.303	-.303	0	%100
102	MP4B	Z	-.525	-.525	0	%100
103	MP2B	X	-.303	-.303	0	%100
104	MP2B	Z	-.525	-.525	0	%100
105	MP1B	X	-.303	-.303	0	%100
106	MP1B	Z	-.525	-.525	0	%100
107	MP5B	X	-.303	-.303	0	%100
108	MP5B	Z	-.525	-.525	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	-.477	-.477	0	%100
113	M117	X	-.309	-.309	0	%100
114	M117	Z	-.535	-.535	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,%]
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	-.477	-.477	0	%100

Member Distributed Loads (BLC 87 : 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	-3.756	-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
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	-3.755	-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	-1.835	-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 88 : 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	-7.182	-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

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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	-7.179	-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	-3.509	-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	-7.182	-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 Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-.079	-.196	0	.885
2	M51B	Y	-.196	-.318	.885	1.771
3	M51B	Y	-.318	-.376	1.771	2.656
4	M51B	Y	-.376	-.302	2.656	3.541
5	M51B	Y	-.302	-.162	3.541	4.426
6	M52B	Y	-.162	-.301	0	.885
7	M52B	Y	-.301	-.373	.885	1.771
8	M52B	Y	-.373	-.312	1.771	2.656
9	M52B	Y	-.312	-.187	2.656	3.541
10	M52B	Y	-.187	-.07	3.541	4.426
11	M40	Y	-.07	-.187	0	.885
12	M40	Y	-.187	-.312	.885	1.771
13	M40	Y	-.312	-.373	1.771	2.656
14	M40	Y	-.373	-.301	2.656	3.541
15	M40	Y	-.301	-.162	3.541	4.426
16	M41	Y	-.162	-.302	0	.885
17	M41	Y	-.302	-.376	.885	1.771
18	M41	Y	-.376	-.318	1.771	2.656
19	M41	Y	-.318	-.196	2.656	3.541
20	M41	Y	-.196	-.079	3.541	4.426
21	M64	Y	-.079	-.196	0	.885
22	M64	Y	-.196	-.318	.885	1.771
23	M64	Y	-.318	-.376	1.771	2.656
24	M64	Y	-.376	-.302	2.656	3.541
25	M64	Y	-.302	-.162	3.541	4.426
26	M65	Y	-.162	-.301	0	.885
27	M65	Y	-.301	-.373	.885	1.771
28	M65	Y	-.373	-.311	1.771	2.656
29	M65	Y	-.311	-.187	2.656	3.541
30	M65	Y	-.187	-.07	3.541	4.426

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Z	-.198	-.49	0	.885
2	M51B	Z	-.49	-.794	.885	1.771

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M51B	Z	-.794	-.941	1.771	2.656
4	M51B	Z	-.941	-.755	2.656	3.541
5	M51B	Z	-.755	-.404	3.541	4.426
6	M52B	Z	-.405	-.751	0	.885
7	M52B	Z	-.751	-.933	.885	1.771
8	M52B	Z	-.933	-.779	1.771	2.656
9	M52B	Z	-.779	-.469	2.656	3.541
10	M52B	Z	-.469	-.174	3.541	4.426
11	M40	Z	-.174	-.469	0	.885
12	M40	Z	-.469	-.779	.885	1.771
13	M40	Z	-.779	-.933	1.771	2.656
14	M40	Z	-.933	-.751	2.656	3.541
15	M40	Z	-.751	-.405	3.541	4.426
16	M41	Z	-.404	-.755	0	.885
17	M41	Z	-.755	-.941	.885	1.771
18	M41	Z	-.941	-.794	1.771	2.656
19	M41	Z	-.794	-.49	2.656	3.541
20	M41	Z	-.49	-.198	3.541	4.426
21	M64	Z	-.198	-.49	0	.885
22	M64	Z	-.49	-.795	.885	1.771
23	M64	Z	-.795	-.941	1.771	2.656
24	M64	Z	-.941	-.754	2.656	3.541
25	M64	Z	-.754	-.404	3.541	4.426
26	M65	Z	-.405	-.751	0	.885
27	M65	Z	-.751	-.933	.885	1.771
28	M65	Z	-.933	-.779	1.771	2.656
29	M65	Z	-.779	-.469	2.656	3.541
30	M65	Z	-.469	-.175	3.541	4.426

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	X	.198	.49	0	.885
2	M51B	X	.49	.794	.885	1.771
3	M51B	X	.794	.941	1.771	2.656
4	M51B	X	.941	.755	2.656	3.541
5	M51B	X	.755	.404	3.541	4.426
6	M52B	X	.405	.751	0	.885
7	M52B	X	.751	.933	.885	1.771
8	M52B	X	.933	.779	1.771	2.656
9	M52B	X	.779	.469	2.656	3.541
10	M52B	X	.469	.174	3.541	4.426
11	M40	X	.174	.469	0	.885
12	M40	X	.469	.779	.885	1.771
13	M40	X	.779	.933	1.771	2.656
14	M40	X	.933	.751	2.656	3.541
15	M40	X	.751	.405	3.541	4.426
16	M41	X	.404	.755	0	.885
17	M41	X	.755	.941	.885	1.771
18	M41	X	.941	.794	1.771	2.656
19	M41	X	.794	.49	2.656	3.541
20	M41	X	.49	.198	3.541	4.426
21	M64	X	.198	.49	0	.885
22	M64	X	.49	.795	.885	1.771
23	M64	X	.795	.941	1.771	2.656
24	M64	X	.941	.754	2.656	3.541
25	M64	X	.754	.404	3.541	4.426

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M65	X	.405	.751	0	.885
27	M65	X	.751	.933	.885	1.771
28	M65	X	.933	.779	1.771	2.656
29	M65	X	.779	.469	2.656	3.541
30	M65	X	.469	.175	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

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N92	N91	N87C	N87B	Y	Two Way	-.000224
2	N78	N79	N76	N74	Y	Two Way	-.000224
3	N107	N103	N105A	N108	Y	Two Way	-.000224

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N92	N91	N87C	N87B	Z	Two Way	-.00056
2	N78	N79	N76	N74	Z	Two Way	-.00056
3	N107	N103	N105A	N108	Z	Two Way	-.00056

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N92	N91	N87C	N87B	X	Two Way	.00056
2	N78	N79	N76	N74	X	Two Way	.00056
3	N107	N103	N105A	N108	X	Two Way	.00056

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

	Member	Shape	Code Check	L...	LC	Shear C...	Loc...	...	...	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
1	M70	PL3/8x6	.278	.1...	12	.551	0	y	17	69647...	70875	.554	8.859	...	H1-1b
2	M46A	PL3/8x6	.276	.1...	4	.548	0	y	21	69647...	70875	.554	8.859	...	H1-1b
3	M77	PL3/8x6	.273	.1...	8	.546	0	y	13	69647...	70875	.554	8.859	...	H1-1b
4	M75	PL3/8x6	.274	.1...	10	.521	0	y	17	69647...	70875	.554	8.859	...	H1-1b
5	M51C	PL3/8x6	.272	.1...	2	.518	0	y	21	69647...	70875	.554	8.859	...	H1-1b
6	M85	PL3/8x6	.272	.1...	6	.516	0	y	13	69647...	70875	.554	8.859	...	H1-1b
7	M74	PL3/8x6	.166	0	5	.316	0	y	24	68773...	70875	.554	8.859	...	H1-1b
8	M84	PL3/8x6	.166	0	1	.315	0	y	20	68773...	70875	.554	8.859	...	H1-1b
9	M50A	PL3/8x6	.169	0	9	.314	0	y	16	68773...	70875	.554	8.859	...	H1-1b
10	M76	PL3/8x6	.168	0	10	.237	0	y	18	68773...	70875	.554	8.859	...	H1-1b
11	M69	PL3/8x6	.155	0	8	.237	0	y	22	68773...	70875	.554	8.859	...	H1-1b
12	M45	PL3/8x6	.156	0	6	.233	0	y	14	68773...	70875	.554	8.859	...	H1-1b
13	M60	HSS4X4...	.384	0	19	.126	0	y	29	97235...	106155	12.311	12.311	...	H1-1b
14	M36	HSS4X4...	.392	0	23	.112	0	y	43	97235...	106155	12.311	12.311	...	H1-1b

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

	Member	Shape	Code Check	L...	LC	Shear C...	Loc...	...	...	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
15	M39	PL1/2x6	.201	.5...	3	.108	0	y	18	66009...	97200	1.012	12.15	...	H1-1b
16	M63	PL1/2x6	.202	.5...	5	.108	0	y	15	66009...	97200	1.012	12.15	...	H1-1b
17	M46	PL1/2x6	.199	.5...	7	.107	0	y	23	66009...	97200	1.012	12.15	...	H1-1b
18	M4	HSS4X4...	.379	0	15	.097	0	y	13	97235...	106155	12.311	12.311	...	H1-1b
19	M61	HSS4X4...	.226	2...	18	.084	2.3...	y	17	10426...	106155	12.311	12.311	...	H1-1b
20	M37	HSS4X4...	.225	2...	22	.084	2.3...	y	21	10426...	106155	12.311	12.311	...	H1-1b
21	M10	HSS4X4...	.224	2...	14	.084	2.3...	y	13	10426...	106155	12.311	12.311	...	H1-1b
22	MP5C	PIPE_2.0	.148	3...	13	.081	1.25		2	20866...	32130	1.872	1.872	...	H1-1b
23	MP1B	PIPE_2.0	.155	3...	13	.078	1.25		11	20866...	32130	1.872	1.872	...	H1-1b
24	MP1A	PIPE_2.0	.158	3...	9	.077	1.25		7	20866...	32130	1.872	1.872	...	H1-1b
25	MP5B	PIPE_2.0	.147	3...	21	.075	1.25		10	20866...	32130	1.872	1.872	...	H1-1b
26	MP5A	PIPE_2.0	.148	3...	17	.075	1.25		6	20866...	32130	1.872	1.872	...	H1-1b
27	M62	HSS4X4...	.218	0	16	.075	0	y	17	10426...	106155	12.311	12.311	...	H1-1b
28	M38	HSS4X4...	.216	0	20	.074	0	y	21	10426...	106155	12.311	12.311	...	H1-1b
29	M43	HSS4X4...	.215	0	24	.074	0	y	13	10426...	106155	12.311	12.311	...	H1-1b
30	MP1C	PIPE_2.0	.155	3...	5	.073	1.5...		3	20866...	32130	1.872	1.872	...	H1-1b
31	MP4C	PIPE_2.0	.187	3...	13	.070	1.25		3	20866...	32130	1.872	1.872	...	H1-1b
32	MP4B	PIPE_2.0	.186	3...	21	.065	1.25		11	20866...	32130	1.872	1.872	...	H1-1b
33	MP4A	PIPE_2.0	.187	3...	17	.064	1.25		7	20866...	32130	1.872	1.872	...	H1-1b
34	M1	PIPE_3.0	.119	7...	19	.064	4.4...		24	27936...	65205	5.749	5.749	...	H1-1b
35	M83B	PIPE_3.0	.119	7...	23	.064	4.4...		16	27936...	65205	5.749	5.749	...	H1-1b
36	M82A	PIPE_3.0	.119	7...	15	.063	4.4...		21	27936...	65205	5.749	5.749	...	H1-1b
37	M134A	PIPE_2.5	.092	7...	21	.063	.813		11	13460...	50715	3.596	3.596	...	H1-1b
38	M108	PIPE_2.5	.093	7...	17	.062	.813		7	13460...	50715	3.596	3.596	...	H1-1b
39	M133A	PIPE_2.5	.092	7...	6	.062	.813		3	13460...	50715	3.596	3.596	...	H1-1b
40	MP2B	PIPE_2.0	.235	3...	2	.061	3.75		8	20866...	32130	1.872	1.872	...	H1-1b
41	MP2A	PIPE_2.0	.239	3...	10	.061	3.75		4	20866...	32130	1.872	1.872	...	H1-1b
42	MP2C	PIPE_2.0	.235	3...	5	.061	3.75		1	20866...	32130	1.872	1.872	...	H1-1b
43	M72	PL1/2x6	.058	.1...	5	.057	0	y	49	96757...	97200	1.012	12.15	...	H1-1b
44	M91	PL1/2x6	.061	.1...	1	.040	.112	y	9	96757...	97200	1.012	12.15	...	H1-1b
45	MP3B	PIPE_2.5	.134	3...	2	.040	3.6...		9	37773...	50715	3.596	3.596	...	H1-1b
46	MP3A	PIPE_2.5	.136	3...	10	.040	3.6...		5	37773...	50715	3.596	3.596	...	H1-1b
47	M53	PL1/2x6	.061	.1...	9	.040	.112	y	5	96757...	97200	1.012	12.15	...	H1-1b
48	M77A	PL1/2x6	.062	.1...	5	.040	.112	y	1	96757...	97200	1.012	12.15	...	H1-1b
49	MP3C	PIPE_2.5	.135	3...	6	.040	3.6...		12	37773...	50715	3.596	3.596	...	H1-1b
50	M117	L3X3X4	.163	1...	7	.038	0	z	2	45324...	46656	1.688	3.756	...	H2-1
51	M118	L3X3X4	.157	1...	3	.038	0	z	10	45324...	46656	1.688	3.756	...	H2-1
52	M119	L3X3X4	.161	1...	11	.037	.143	z	6	45324...	46656	1.688	3.756	...	H2-1
53	M80	PL1/2x6	.056	.1...	1	.030	0	y	10	96757...	97200	1.012	12.15	...	H1-1b
54	M48	PL1/2x6	.057	.1...	9	.030	0	y	6	96757...	97200	1.012	12.15	...	H1-1b
55	M107	PIPE_2.0	.100	2.5	12	.015	2.5		12	28843...	32130	1.872	1.872	...	H1-1b
56	M41	L2x2x3	.139	4...	8	.013	0	y	17	8748....	22743	.542	1.052	...	H2-1
57	M65	L2x2x3	.140	4...	4	.013	0	y	13	8748....	22743	.542	1.054	...	H2-1
58	M52B	L2x2x3	.139	4...	12	.013	0	y	21	8748....	22743	.542	1.054	...	H2-1
59	M51B	L2x2x3	.144	0	2	.013	4.4...	y	16	8748....	22743	.542	1.052	...	H2-1
60	M64	L2x2x3	.146	0	6	.013	4.4...	y	20	8748....	22743	.542	1.052	...	H2-1
61	M40	L2x2x3	.145	0	10	.013	4.4...	y	24	8748....	22743	.542	1.054	...	H2-1

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	869.978	10	2359.806	13	2022.61	1	4.607	13	1.224	4	.162	13
2		min	-872.973	4	615.863	7	-2098.164	7	.673	7	-1.225	10	-.006	7
3	N53A	max	1912.863	9	2512.857	21	1274.364	1	-.307	3	1.308	12	-.492	3
4		min	-1976.965	3	672.155	3	-1235.084	7	-2.269	21	-1.31	6	-4.184	21
5	N82	max	1831.318	11	2385.102	17	1242.012	12	-.321	11	1.243	8	3.976	17

Envelope Joint Reactions (Continued)

Joint			X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
6		min	-1764.697	5	613.488	11	-1203.694	6	-2.477	17	-1.246	2	.584	11
7	Totals:	max	4537.964	10	6853.19	13	4500.541	1						
8		min	-4537.966	4	2321.731	70	-4500.544	7						

VzW
SMART Tool©
Vendor

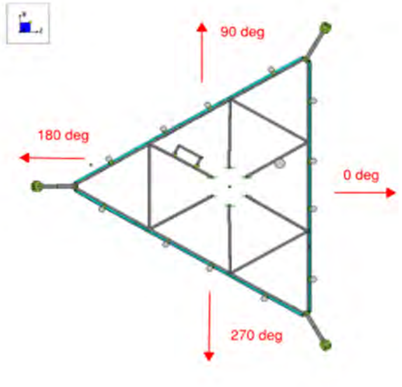
Client:	Verizon Wireless	Date: 10/26/2023
Site Name:	MILFORD 3 CT	
MDG #:	5000386209	
Fuze ID #:	16231891	Page: 1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required Yes

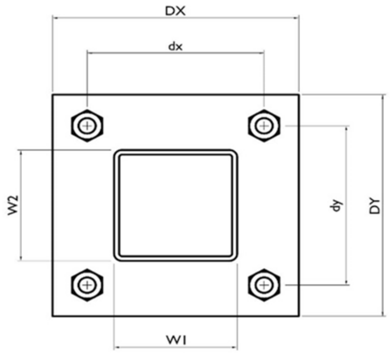
Nodes **(labeled per Risa)**	**Orientation** **(per graphic of typical platform)**
N3	180
N53A	60
N82	300



Tower Connection Bolt Checks Yes

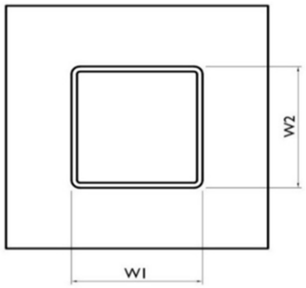
Bolt Orientation Parallel

Bolt Quantity per Reaction: 4
d_x (in) *(Delta X of typ. bolt config. sketch)* : 8
d_y (in) *(Delta Y of typ. bolt config. sketch)* : 8
Bolt Type: A325N
Bolt Diameter (in): 0.5
Required Tensile Strength / bolt (kips): 1.8
Required Shear Strength / bolt (kips): 2.7
Tensile Capacity / bolt (kips): 13.3
Shear Capacity / bolt (kips): 8.0
Bolt Overall Utilization: **34.2%**



Tower Connection Baseplate Checks Yes

Connecting Standoff Member Shape: Rect Tube
Weld Stiffener Configuration: No Stiffeners
Plate Width, D_x (in): 10
Plate Height, D_y (in): 10
W1(in): 4
W2 (in): 4
Member Thickness (in): 0.25
Stiffener location a_1 (in):
Stiffener location b_1 (in):
Stiffener location a_2 (in):
Stiffener location b_2 (in):
F_y (ksi, plate): 36
Plate Thickness (in): 0.6
Length of Yield Line, L_y (in): 7.85
Bolt Eccentricity, e (in): 3.06
M_u (kip-in): 11.01
Phi*M_n (kip-in): 22.89
Plate Bending Utilization: **48.1%**

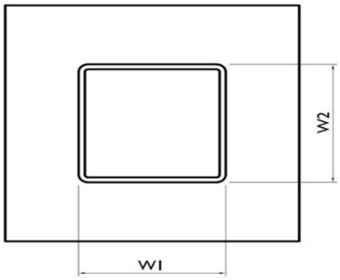


VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	10/26/2023
Site Name:	MILFORD 3 CT		
PSLC #:	5000386209		
Fuze ID #:	16231891	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Stiffener Notch Length, n (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	1.83
Weld Capacity (kip/in):	5.57
Weld Utilization:	**32.8%**



MOUNT MODIFICATION DRAWINGS
EXISTING 12.58' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 876331

CARRIER SITE NAME: NEW BRITAIN NW CT
CARRIER SITE NUMBER: 5000180082
FUZE ID: 16232009

115 NORTH MOUNTAIN ROAD
NEW BRITAIN, CT 06053
HARTFORD COUNTY

LATITUDE: 41.67659000° N
LONGITUDE: 72.82141400° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH
EXPOSURE CATEGORY B
TOPOGRAPHIC CATEGORY: 1
TOPOGRAPHIC CONSIDERED: N/A
TOPOGRAPHIC METHOD: N/A
MEAN BASE ELEVATION (AMSL) = 350.25'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.50 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .195
LONG TERM MCER GROUND MOTION, S_1 = .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856.797.0412
E-MAIL: PETER.ALBANO@COLLIERSENG.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10222805
VZW MDG #: 5000180082
ANALYSIS DATE: 2/13/2024

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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JOB NUMBER : 21777239

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.	.	.	.	.
1	2/13/2024	ISSUED FOR CONSTRUCTION	GA	DX
0	6/11/2021	ISSUED FOR CONSTRUCTION	JRF	PMA
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

DEJIAN XU
No. 33733
02/19/2024

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SITE NAME:

NEW BRITAIN NW CT
5000180082

115 NORTH MOUNTAIN ROAD
NEW BRITAIN, CT 06053
HARTFORD COUNTY

Colliers Engineering & Design

STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE : TITLE SHEET

SHEET NUMBER : ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

\AcPublish_53896\Template.Mount MOD.dwg\ST-1 By: GIANNA.ARGENTINA

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	504	504
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)

SECTION 3 - REQUIRED SAFETY CLIMB PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	PERFECT VISON	H42-0501-06	STANDOFF CLAMP BRACKET	OR EOR APPROVED EQUIVALENT	-	-
1	PERFECT VISION	PV-CMX-CG-BO	WIRE ROPE GUIDE	OR EOR APPROVED EQUIVALENT	-	-
					TOTAL:	945

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

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DEJIAN XU No. 33733

02/19/2024

COLLIERS ENGINEERING & DESIGN CT, P.C.

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Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
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SHEET TITLE : BILL OF MATERIALS

SHEET NUMBER : SBOM-1

GENERAL NOTES

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

STRUCTURAL STEEL

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

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

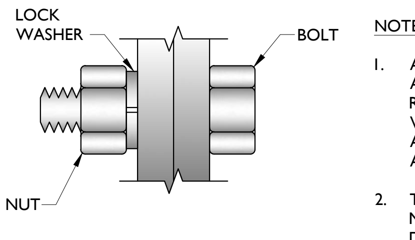
3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENG.COM
   b. PROVIDE COLLIERS ENGINEERING & DESIGN PROJECT # AND COLLIERS ENGINEERING & DESIGN PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINC COTE, OR EOR APPROVED EQUAL), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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

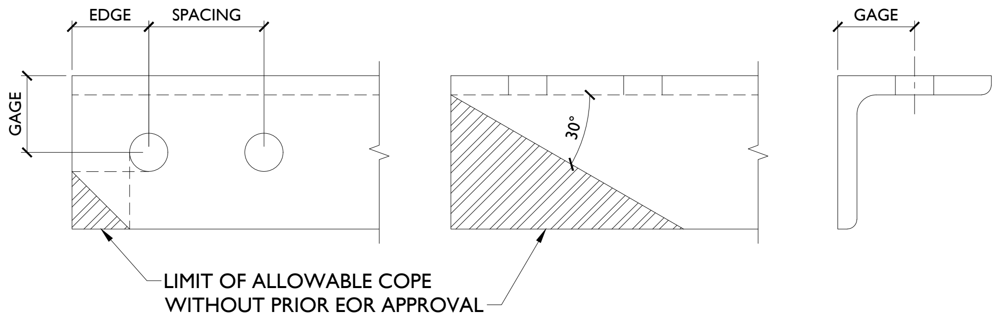


TYP. BOLT ASSEMBLY

NOTES:

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

ALLOWABLE COPING



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0	6/11/2021	ISSUED FOR CONSTRUCTION	JRF	PMA

DEJIAN XU
No. 33733
02/19/2024
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SITE NAME:

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5000180082

115 NORTH MOUNTAIN ROAD
NEW BRITAIN, CT 06053
HARTFORD COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
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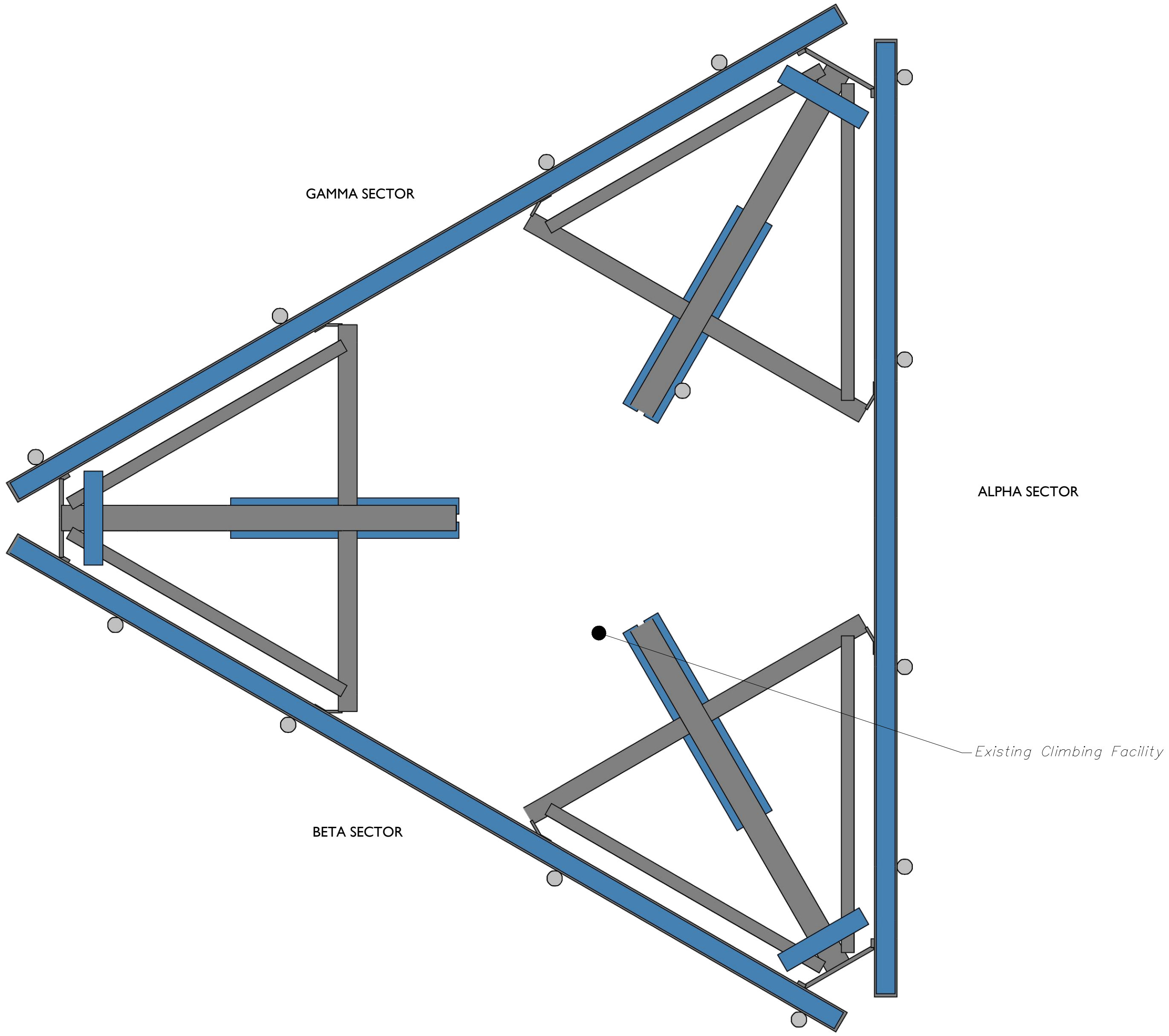
SHEET TITLE :
GENERAL NOTES

SHEET NUMBER :
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

\AcPublish_53896\Template.Mount MOD.dwg\SGN-1 By: GIANNA.ARGENTINA

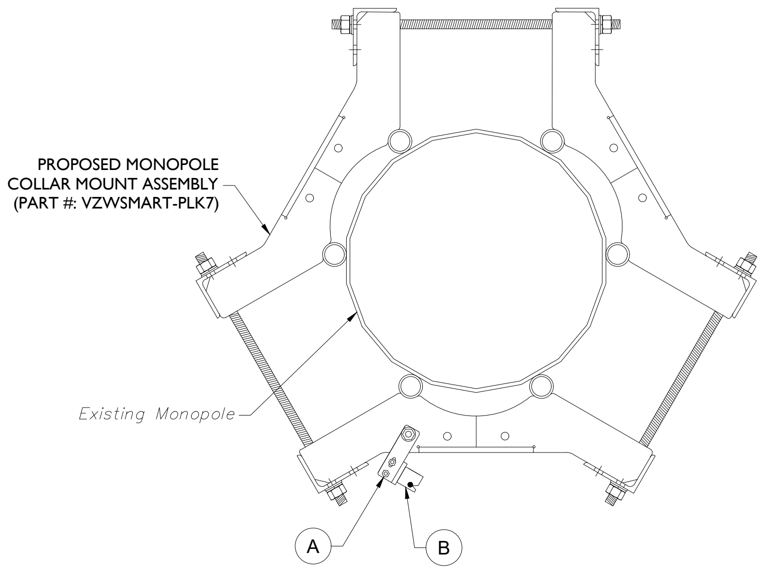


1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY ROAMING NETWORKS, INC. ON 3/30/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (89'-00") ARE IN GOOD CONDITION. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



ITEM #	QTY	PART NUMBER	DESCRIPTIONS
A	1	H42-0501-06	STANDOFF CLAMP BRACKET (PERFECT VISION OR EOR APPROVED EQ.)
B	1	PV-CMX-CG-BO	WIRE ROPE GUIDE (PERFECT VISION OR EOR APPROVED EQ.)

2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

NOTE: CONTRACTOR SHALL ENSURE THAT WIRE ROPE GUIDE DOES NOT PUSH THE WIRE ROPE OUTSIDE OF THE VERTICAL PLANE OF THE SAFETY CLIMB. CONTRACT EOR WITH PHOTOS OF SAFETY CLIMB AND COLLAR FOR FURTHER DIRECTION IF NEEDED.

CLIMBING FACILITY PHOTO

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STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER
02/19/2024

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STAMFORD
1055 Washington Boulevard

Stamford, CT 06901
Phone: 203.324.0800
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SHEET TITLE :
CLIMBING FACILITY DETAIL

SHEET NUMBER :
SCF-1

LEGEND:

🟦	PROPOSED
🟩	RELOCATED
⬜	EXISTING

MOUNT MODIFICATION SCHEDULE

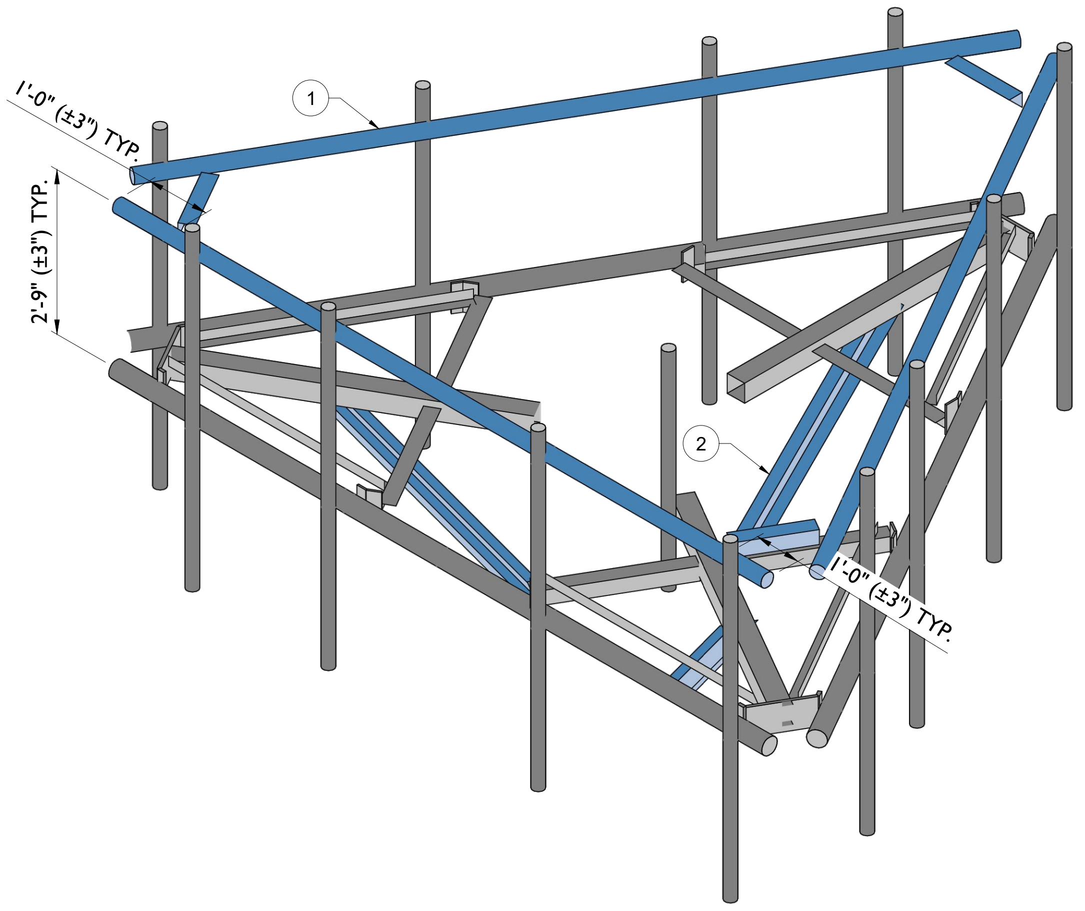
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	89'-00"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). SEE GENERAL NOTE B.

GENERAL NOTES:

A. CONTRACTOR SHALL VERIFY THAT NEW & EXISTING STEEL IS FREE OF CORROSION. VISIBLE MINOR CORROSION SHALL BE WIRE BRUSHED CLEAN AND TREATED WITH COLD GALVANIZATION. REPORT ANY SIGNIFICANT CORROSION TO EOR

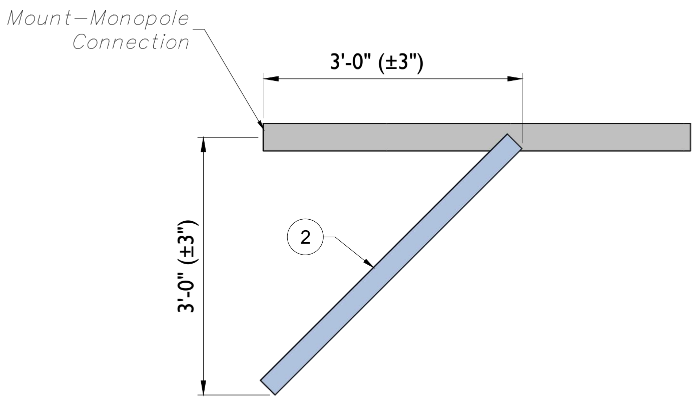
B. THREADED ROD FROM PROPOSED KITS SHALL BE TRIMMED TO EXTEND NO MORE THAN 3" BEYOND THE LOCK NUT. TREAT ALL CUT ENDS WITH (2) COATS OF COLD GALVANIZATION (ZINC KOTE, OR EOR APPROVED EQUAL).

C. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

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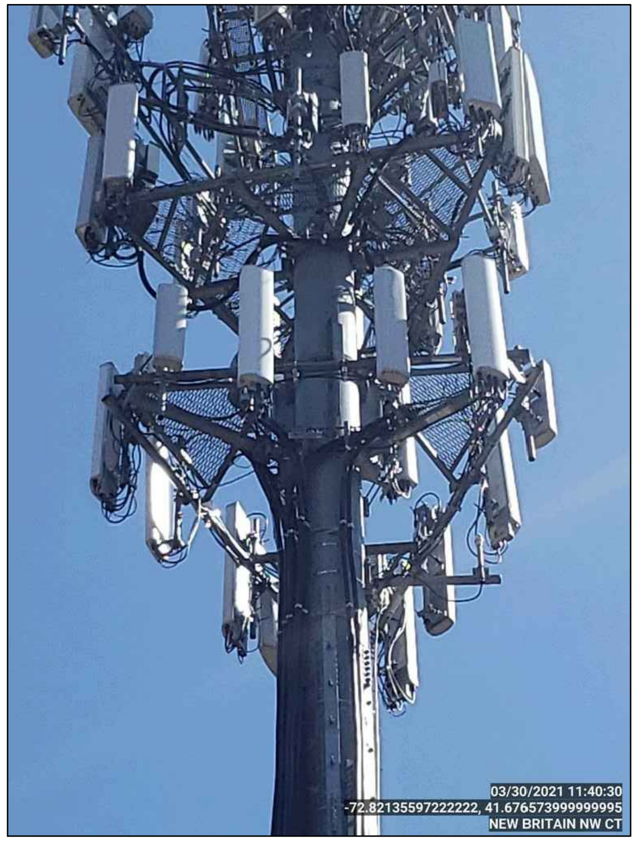
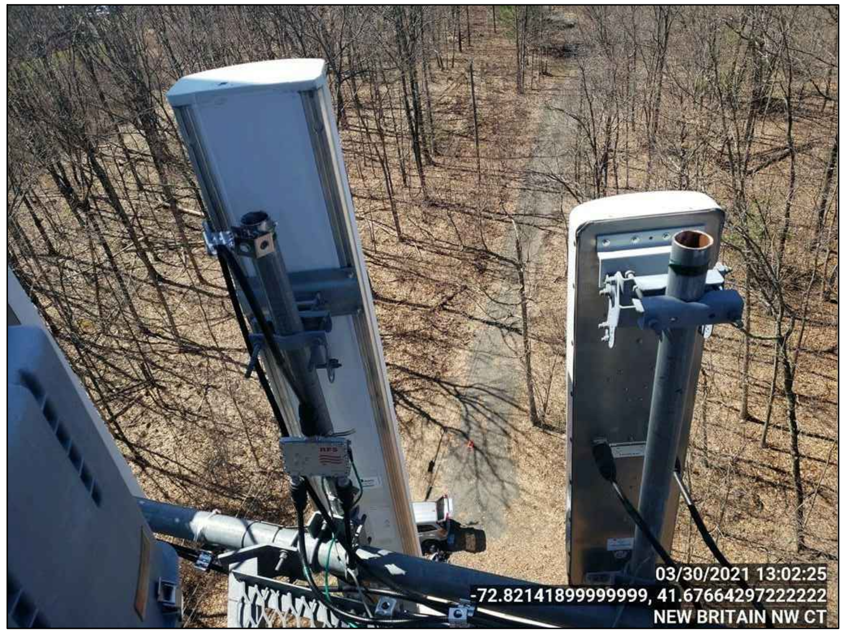
SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
SS-1

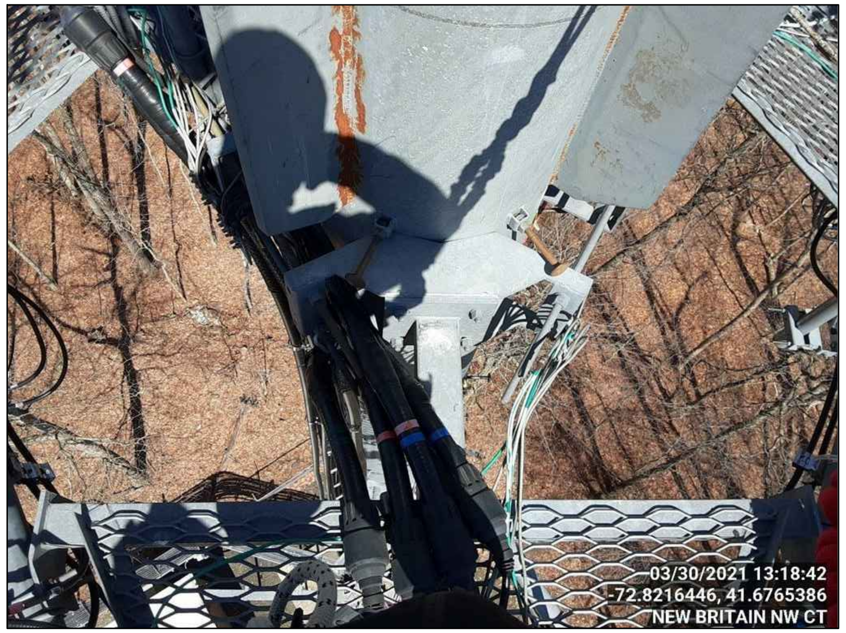


MOUNT PHOTO 1

MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4

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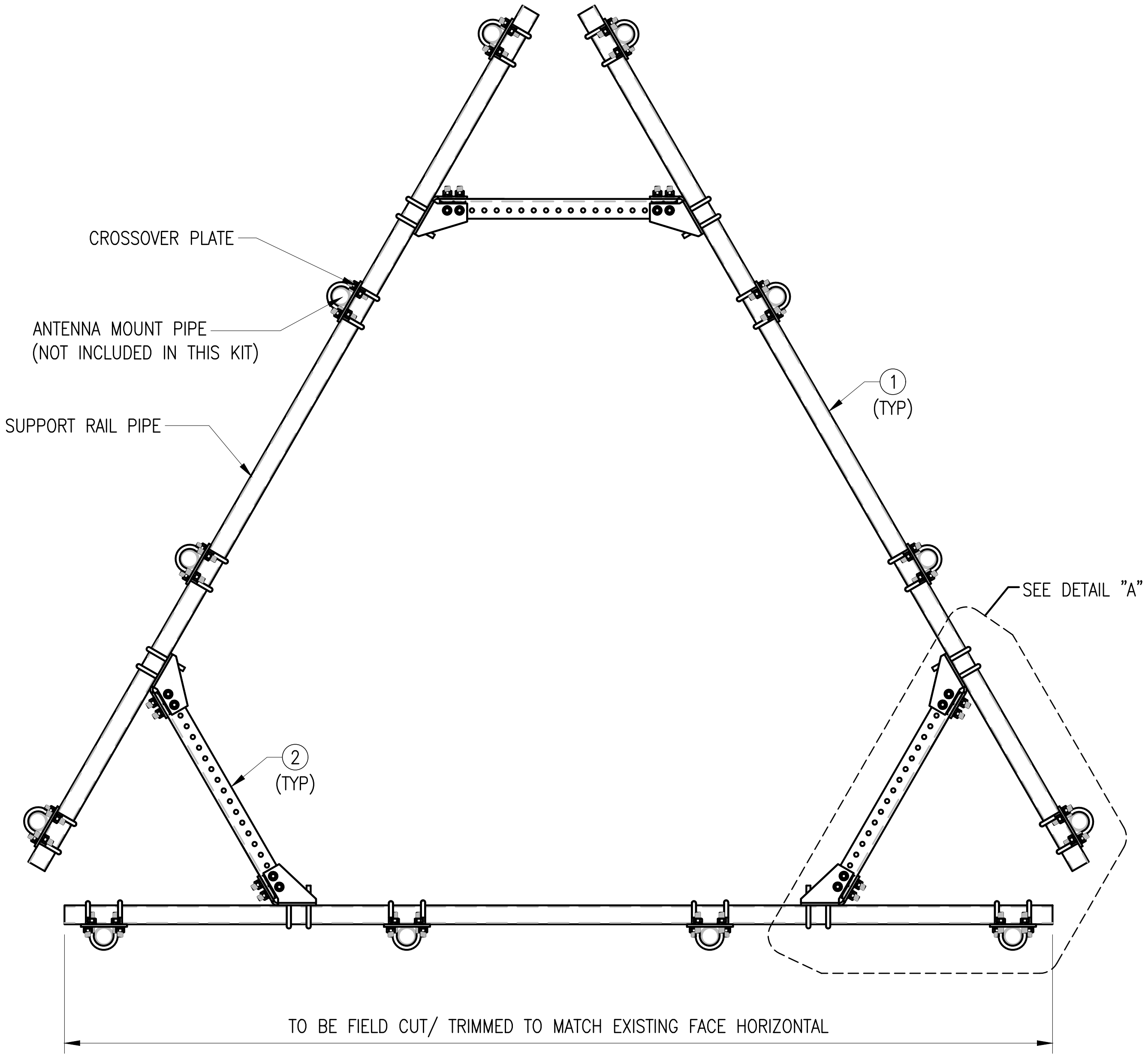
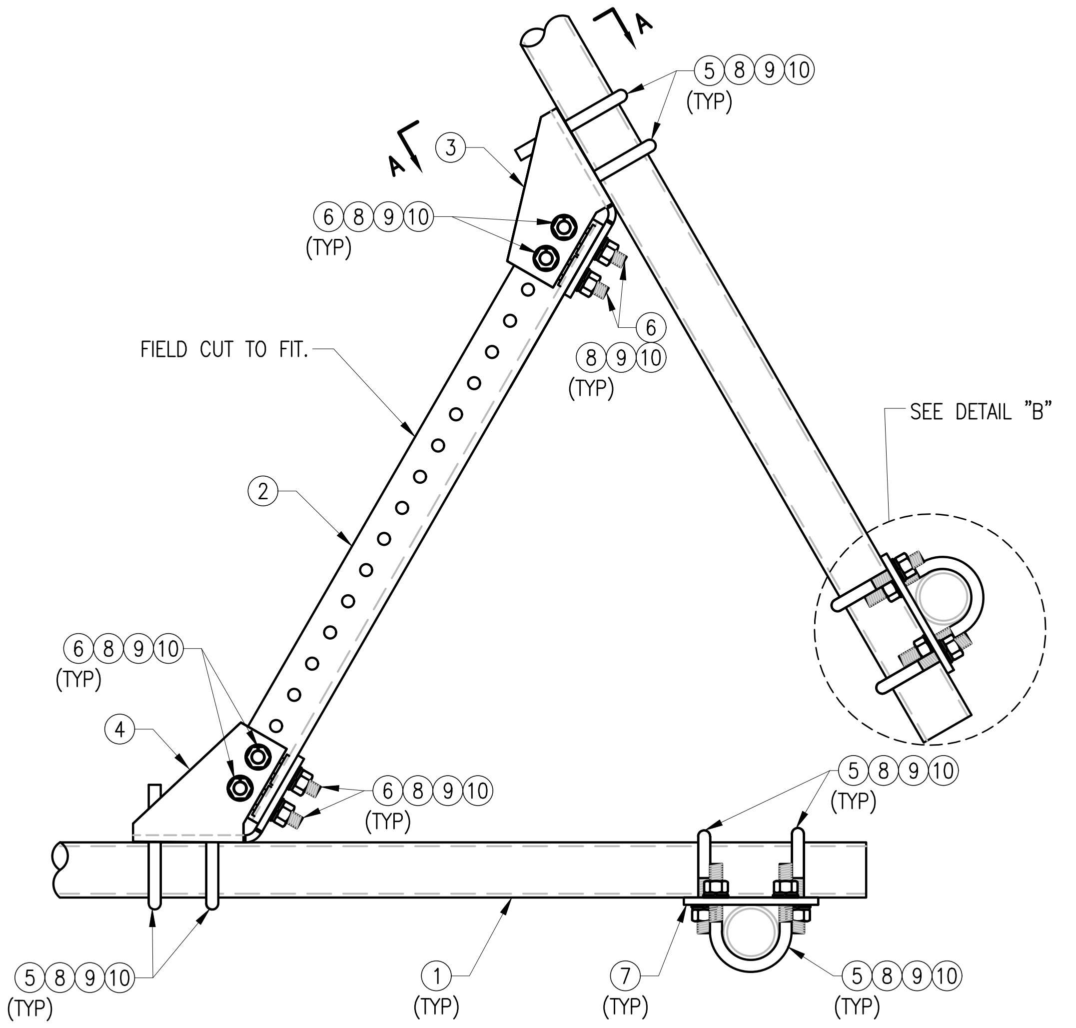
SHEET TITLE : MOUNT PHOTOS

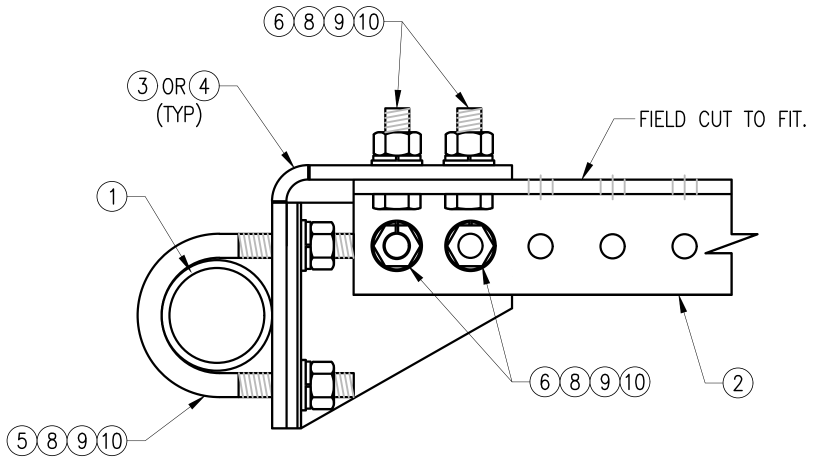
SHEET NUMBER : SS-2



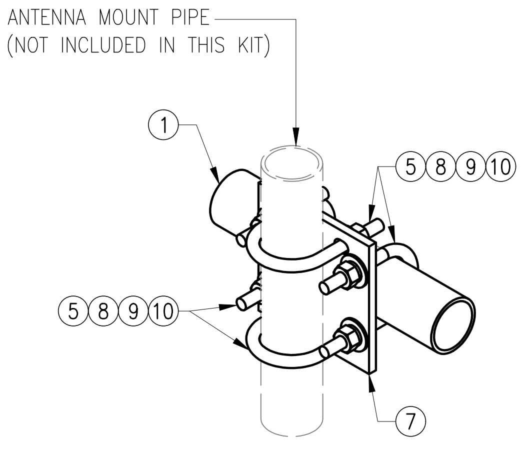
PLAN VIEW



DETAIL "A"



SECTION "A-A"



DETAIL "B"

NOTES:

1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZW SMART-PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875-12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'-6" A53 GR-B	PLK1-F1	292
2	3	L33375-3	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F1	66
3	3	CBP-L	CORNER BENT PLATE BRACKET	PLK1-F2	28
4	3	CBP-R	CORNER BENT PLATE BRACKET	PLK1-F2	28
5	60	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375-857	PL 3/8" X 8 1/2" X 7'-0" A36	PLK1-F3	77
8	144	FW-625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW-625	5/8" HDG LOCK WASHER	---	3
10	144	NUT-625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

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DRAWN BY: H.R
CHECKED BY: HMA

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

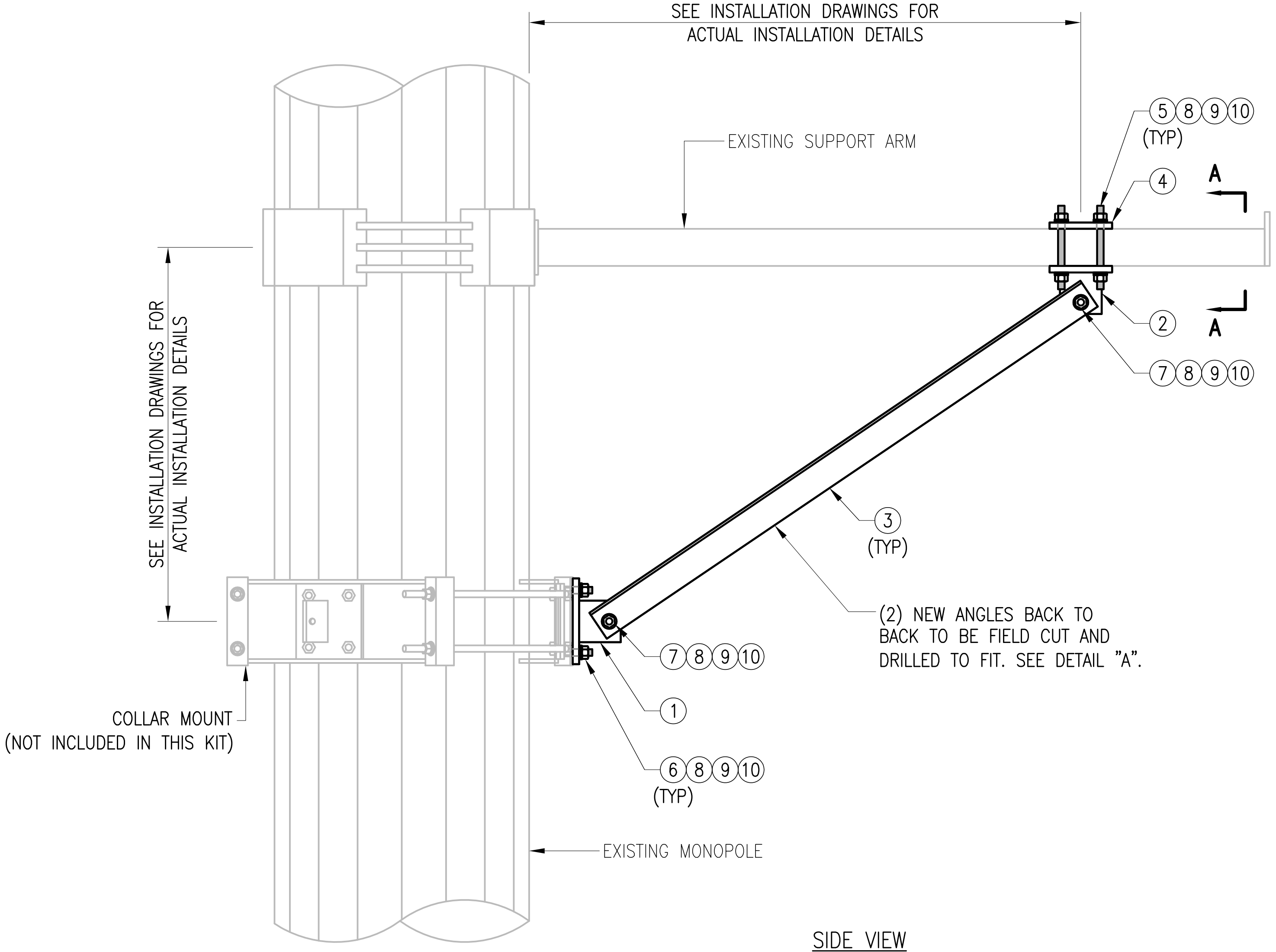
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

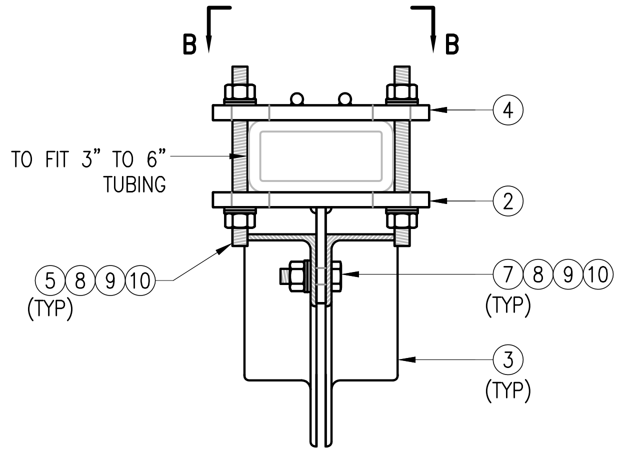
SHEET NUMBER: VZWSMART-PLK1

REV #: 0

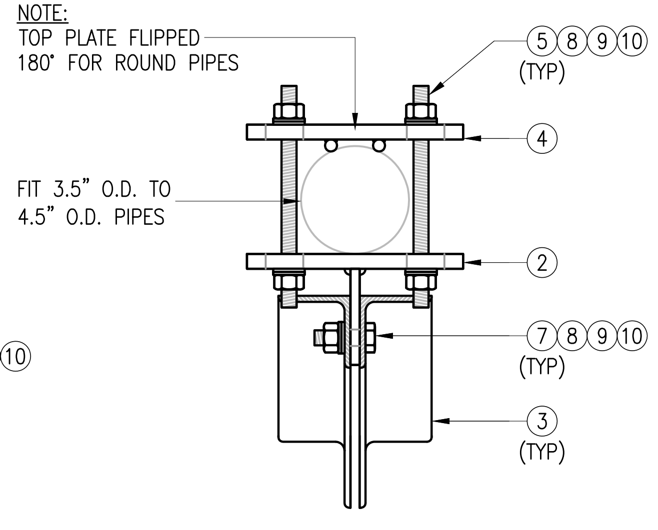
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



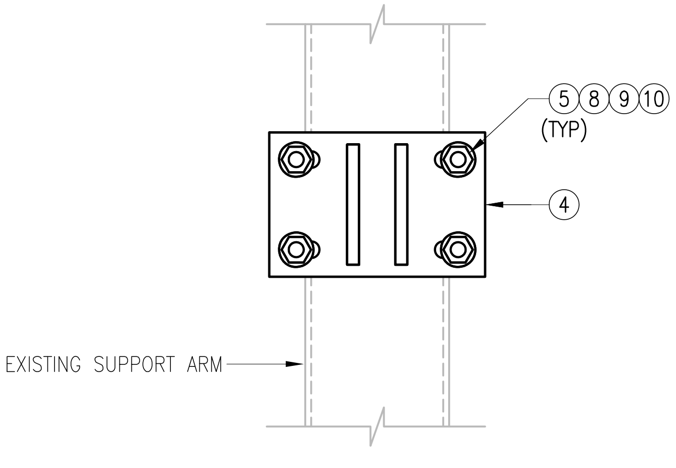
SIDE VIEW
KICKER KIT



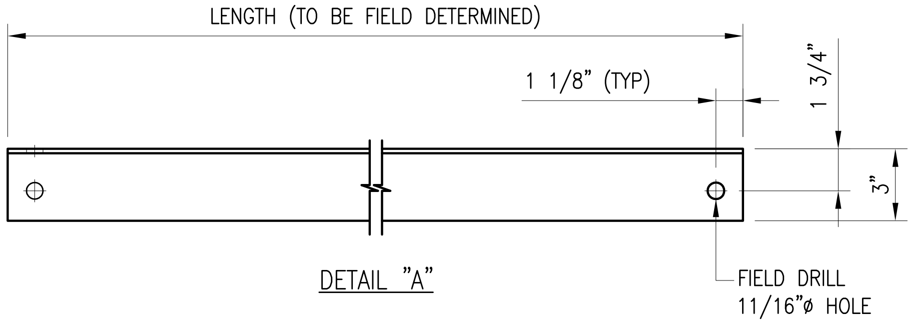
SECTION "A–A"
RECT. HSS MOUNTING



SECTION "A–A"
ROUND PIPE MOUNTING



SECTION "B–B"



DETAIL "A"

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VZWSMART–PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	–––	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	–––	––
6	6	–––	BOLT 5/8" X 2" A325	–––	––
7	12	–––	BOLT 5/8" X 2 1/2" A325	–––	––
8	42	FW–625	5/8" HDG USS FLAT WASHER	–––	3
9	42	LW–625	5/8" HDG LOCK WASHER	–––	1
10	42	NUT–625	5/8" HDG HEX NUT	–––	5
				GALVANIZED WT	291

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SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER:
VZWSMART–PLK5

REV #:
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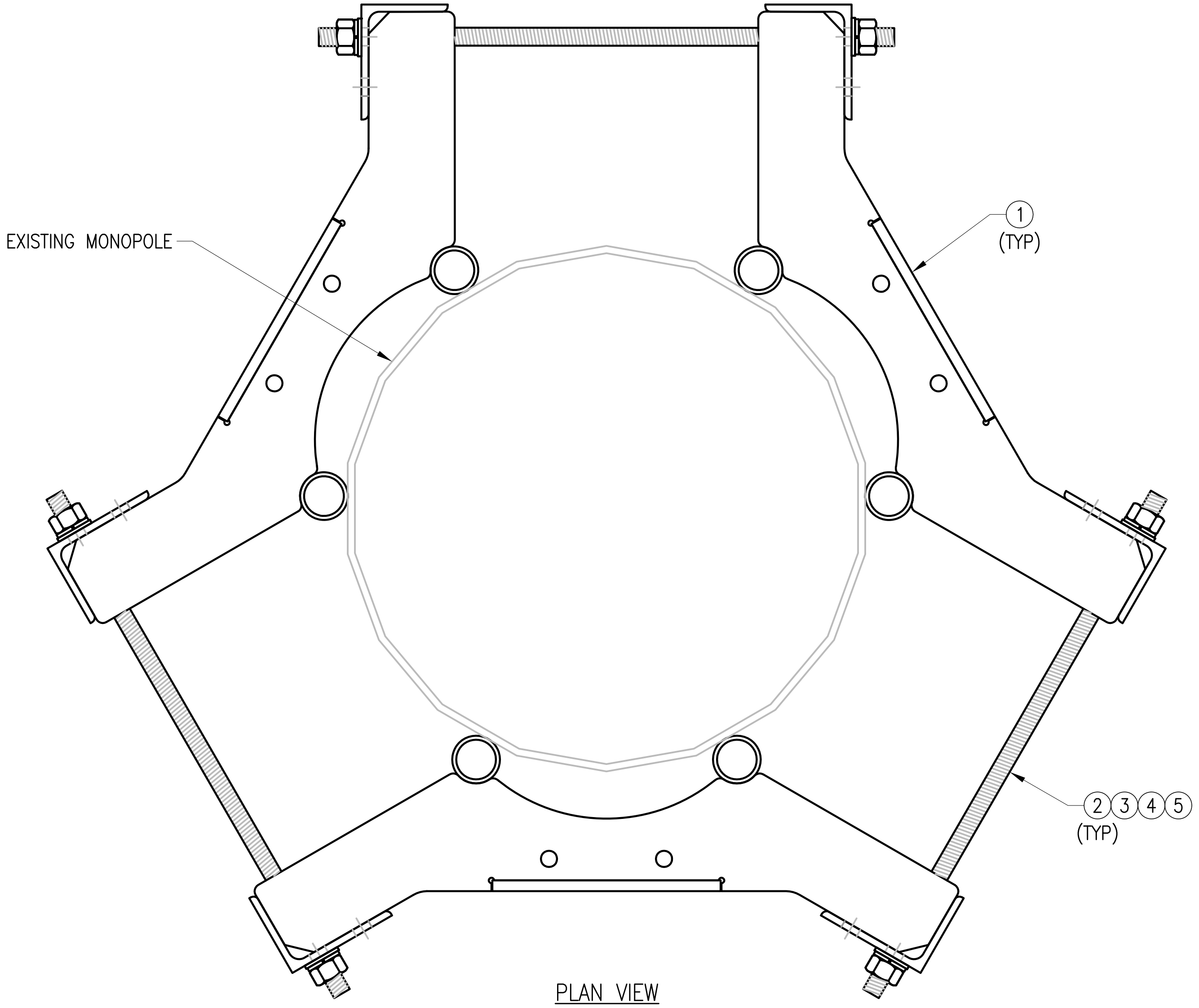
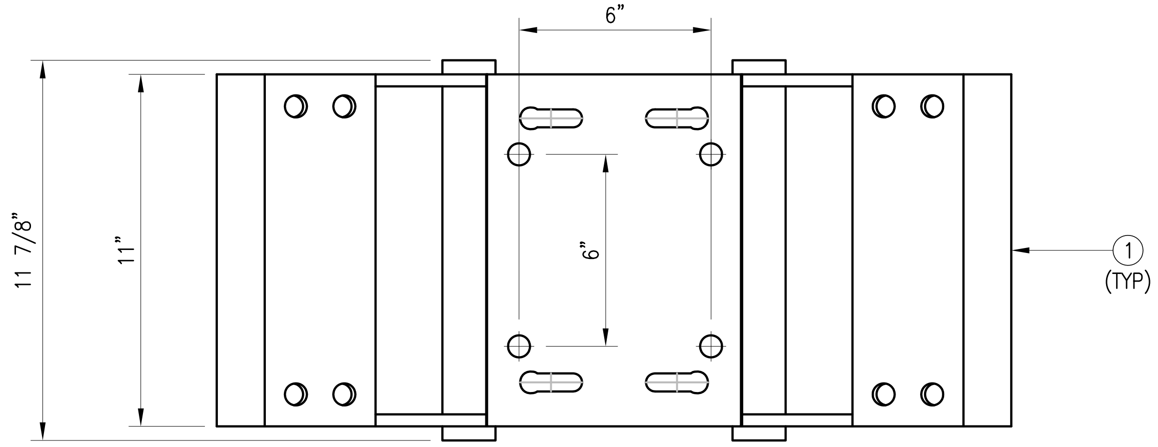


PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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REV.	DESCRIPTION	BY	DATE
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SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER:
VZWSMART-PLK7

REV #:
0

EXHIBIT G

Power Density / RF Emissions Report

FOX HILL TELECOM

Radio Frequency Emissions Analysis Report

Prepared for:

CROWN CASTLE

verizon

Crown Site ID: 873633_Milford
Verizon Wireless Site Name: Milford 3 CT
Verizon Wireless FUZE ID: 16231891

Site Address:
10 Bona Street
Milford, CT 06461

April 30, 2024

Fox Hill Telecom Project Number: 240116

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	11.93 %

Fox Hill Telecom, Inc Worcester MA 01609

FOX HILL TELECOM

April 30, 2024

Crown Castle
1800 W. Park Drive
Westborough, MA 01581

Emissions Analysis for:

Crown Castle Site: **873633 – Milford**

Verizon Wireless Site: Milford 3 CT

Fox Hill Telecom, Inc (“Fox Hill”) was directed to analyze the proposed upgrades for Verizon Wireless to the Crown Castle facility located at **10 Bona Street, Milford, CT**, for the purpose of determining whether the emissions from the Proposed Verizon Wireless Antenna Installation, in addition to all existing radio systems located on this property, are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (μW/cm2). The number of $\mu W/cm^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

<u>General population/uncontrolled exposure</u> limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

General population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 700 MHz band & the 850 MHz cellular band are approximately 497 $\mu W/cm^2$ and 586 $\mu W/cm^2$ respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 3700 MHz (C band) frequency bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report the percentage of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were performed for the proposed upgrades to the Crown Castle facility for Verizon Wireless located at **10 Bona Street, Milford, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65 for far field modeling calculations.

In OET-65, plane wave power densities in the far field of an antenna are calculated by considering antenna gain and reflective waves that would contribute to exposure.

Since the radiation pattern of an antenna has developed in the **far field** region the power gain in specific directions needs to be considered in exposure predictions to yield an Effective Radiated Power (ERP) in each specific direction from the antenna. Also, since the vertical radiation pattern of the antenna is considered, the exposure calculations would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels. To determine a worst-case scenario at each point along the calculation radials, each point was calculated using the antenna gain value at each angle of incident and compared against the result using an isotropic radiator at the antenna height with the greater of the two used to yield the more pessimistic far field value for each point along the calculation radial.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential 1.6 times increase in power density in calculating far field power density values.

With these factors considered, the worst case **far field prediction model** utilized in this analysis is determined by the following equation:

Equation 9 per FCC OET65 for Far Field Modeling

$$S = \frac{33.4\ ERP}{R^2}$$

S = Power Density (in µw/cm^2)
ERP = Effective Radiated Power from antenna (watts)
R = Distance from the antenna (meters)

Predicted far field power density values for all carriers identified in this report were calculated 6 feet above the ground level and are displayed as a percentage of the applicable FCC standards. All emissions values for other carriers were calculated using the same Far Field model outlined above, using industry standard radio configurations and frequency band selection based upon available licenses in this geographic area for emissions contribution estimates.

For each Verizon Wireless sector, the following channel counts, frequency bands and power levels were utilized as shown in *Table 1*:

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
LTE	700 MHz	4	40
LTE / 5G	850 MHz	4	40
LTE	1900 MHz (PCS)	4	40
LTE	2100 MHz (AWS)	4	40
5G	3700 MHz (C Band)	2	160

Table 1: Channel Data Table

The following **Verizon Wireless** antennas listed in *Table 2 – Antenna Data* were used in the modeling for transmission in the 700 MHz, 850 MHz, 1900 MHz (PCS), 2100 MHz (AWS) and 3700 MHz (C Band) frequency bands. This is based on feedback from Verizon Wireless regarding anticipated antenna selection. Maximum gain values for all antennas are listed in *Table 3 – Verizon Wireless Inventory and Power Data* below.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	JMA MX06FRO660-03	113
A	2	JMA MX06FRO660-03	113
A	3	Samsung MT6413-77A	113
A	4	Amphenol LPA-80090-4CF-EDIN (Dormant)	113
B	1	JMA MX06FRO660-03	113
B	2	JMA MX06FRO660-03	113
B	3	Samsung MT6413-77A	113
B	4	Amphenol LPA-80090-4CF-EDIN (Dormant)	113
C	1	JMA MX06FRO660-03	113
C	2	JMA MX06FRO660-03	113
C	3	Samsung MT6413-77A	113
C	4	Amphenol LPA-80090-4CF-EDIN (Dormant)	113

Table 2: Antenna Data

All calculations were done with respect to uncontrolled / general population threshold limits.

RESULTS

Per the calculations completed for the proposed Verizon Wireless configurations *Table 3* shows resulting emissions power levels and percentages of the FCC's allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	JMA MX06FRO660-03	700 MHz / 850 MHz	12.25 / 11.85	8	320	5,135.83	1.96
Antenna A2	JMA MX06FRO660-03	1900 MHz (PCS) / 2100 MHz (AWS)	15.85 / 16.05	8	320	12,596.94	1.00
Antenna A3	Samsung MT6413-77A	3700 MHz (C Band)	23.15	2	320	66,092.16	2.50
Antenna A4	Amphenol LPA-80090-4CF-EDIN (Dormant)	NA	NA	0	0	0.00	0.00
						Sector A Composite MPE%	**5.46**
Antenna B1	JMA MX06FRO660-03	700 MHz / 850 MHz	12.25 / 11.85	8	320	5,135.83	1.96
Antenna B2	JMA MX06FRO660-03	1900 MHz (PCS) / 2100 MHz (AWS)	15.85 / 16.05	8	320	12,596.94	1.00
Antenna B3	Samsung MT6413-77A	3700 MHz (C Band)	23.15	2	320	66,092.16	2.50
Antenna B4	Amphenol LPA-80090-4CF-EDIN (Dormant)	NA	NA	0	0	0.00	0.00
						Sector B Composite MPE%	**5.46**
Antenna C1	JMA MX06FRO660-03	700 MHz / 850 MHz	12.25 / 11.85	8	320	5,135.83	1.96
Antenna C2	JMA MX06FRO660-03	1900 MHz (PCS) / 2100 MHz (AWS)	15.85 / 16.05	8	320	12,596.94	1.00
Antenna C3	Samsung MT6413-77A	3700 MHz (C Band)	23.15	2	320	66,092.16	2.50
Antenna C4	Amphenol LPA-80090-4CF-EDIN (Dormant)	NA	NA	0	0	0.00	0.00
						Sector C Composite MPE%	**5.46**

Table 3: Verizon Wireless Inventory and Power Data table

Table 4: All Carrier MPE Contributions shows all additional identified carriers on site and their emissions contribution estimates, along with the newly calculated maximum Verizon Wireless far field emissions contributions per this report. FCC OET 65 specifies that for carriers utilizing directional antennas the highest recorded sector value be used for composite site emissions values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. For this site, all three Verizon Wireless sectors have the same configuration yielding the same results for all three sectors. *Table 5* below shows a summary for each Verizon Wireless Sector as well as the composite estimated emissions value for the site.

Site Composite MPE%	
Carrier	**MPE%**
Verizon Wireless – Max Per Sector Value	**5.46 %**
AT&T	6.47 %
Site Total MPE %:	**11.93 %**

Table 4: All Carrier MPE Contributions

Verizon Wireless Sector A Total:	5.46 %
Verizon Wireless Sector B Total:	5.46 %
Verizon Wireless Sector C Total:	5.46 %
Site Total:	11.93 %

Table 5: Site MPE Summary

Table 6 below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated Verizon sector(s). For this site, all three Verizon Wireless sectors have the same configuration yielding the same results for all three sectors.

Verizon Wireless _ Frequency Band / Technology Max Power Values (Per Sector)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (μW/cm^2)	Frequency (MHz)	Allowable MPE (μW/cm^2)	Calculated % MPE
Verizon Wireless 700 MHz LTE	4	671.52	113	5.32	700 MHz	497	1.07%
Verizon Wireless 850 MHz LTE / 5G	4	612.43	113	5.22	850 MHz	586	0.89%
Verizon Wireless 1900 MHz (PCS) LTE	4	1,538.37	113	5.00	1900 MHz (PCS)	1000	0.50%
Verizon Wireless 2100 MHz (AWS) LTE	4	1,610.87	113	5.00	2100 MHz (AWS)	1000	0.50%
Verizon Wireless 3700 MHz (C Band) 5G	2	33,046.08	113	25.00	3700 MHz (C Band)	1000	2.50%
						Total:	**5.46 %**

Table 6: Verizon Wireless Maximum Sector MPE Power Values

Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the Verizon Wireless facility as well as the site composite emissions estimates value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

Verizon Wireless Sector	Power Density Value (%)
Sector A:	5.46 %
Sector B:	5.46 %
Sector C:	5.46 %
Verizon Wireless Maximum Total (per sector):	5.46 %
Site Total:	11.93 %
Site Compliance Status:	**COMPLIANT**

The estimated composite emissions value for this site, assuming all carriers present, is **11.93 %** of the allowable FCC established general population limit sampled at the ground level. This is based upon the far field calculations performed for all carriers identified in this report.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite estimated values calculated were well within the allowable 100% threshold standard per the federal government.

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EXHIBIT H

Recipient Mailing Records

From: TrackingUpdates@fedex.com
To: Bachi, Jenifer
Subject: FedEx Shipment 776577639553: Your package has been delivered / 873633 - ZEO
Date: Wednesday, May 29, 2024 11:13:44 AM

FedEx

Hi. Your package was delivered Wed, 05/29/2024 at 11:06am.

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	776577639553
FROM	KING OF PRUSSIA, PA, US
TO	MILFORD, CT, US
SHIP DATE	Tue 5/28/2024 06:04 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Pak
ORIGIN	KING OF PRUSSIA, PA, US
DESTINATION	MILFORD, CT, US
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:13 AM CDT 05/29/2024.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

Thank you for your business.

From: TrackingUpdates@fedex.com
To: Bachi, Jenifer
Subject: FedEx Shipment 776577534170: Your package has been delivered / 873633 - Mayor
Date: Wednesday, May 29, 2024 11:21:09 AM

FedEx

Hi. Your package was delivered Wed, 05/29/2024 at 11:13am.

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	776577534170
FROM	KING OF PRUSSIA, PA, US
TO	MILFORD, CT, US
SHIP DATE	Tue 5/28/2024 06:04 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Pak
ORIGIN	KING OF PRUSSIA, PA, US
DESTINATION	MILFORD, CT, US
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight

FOLLOW FEDEX

This report was generated at approximately 10:20 AM CDT 05/29/2024.

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JENIFER BACHI
CROWN CASTLE
3200 HORIZON DRIVE
SUITE 150
KING OF PRUSSIA, PA 19406
UNITED STATES US

SHIP DATE: 29MAY24
ACTWGT: 2.00 LB
CAD: 104924192/INET4730

BILL SENDER

TO **MELANIE A. BACHMAN, EXEC DIRECTOR**
CONNECTICUT SITING COUNCIL
10 FRANKLIN SQUARE

NEW BRITAIN CT 06051
(860) 827-2935 REF: 1766.668
INV:
PO: 873633_VERIZON DEPT:

583J4/C458/9AE3

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E

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THU - 30 MAY 10:30A
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TRK# 0201 **7765 7774 6694**

EB BDLA

CT-US **06051**
BDL

FedEx Ship Manager - Print Your Label(s)

0:25 AM