CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

June 30th, 2022

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

RE: **Notice of Exempt Modification for Verizon Wireless**
Crown Site ID# 842879; Verizon Wireless Site ID# 468541
50 Woodfield Road, Woodbridge, CT 06525
Latitude: 41° 19′ 39.50″ / Longitude: -72° 59′ 36.84″

Dear Ms. Bachman:

Verizon Wireless currently maintains (12) antennas at the 90-foot mounts on the existing 102-foot Monopole Tower located at **50 Woodfield Road, Woodbridge.** The tower is owned by Crown Castle and the property is owned by the Town of Woodbridge. Verizon now intends to replace (9) antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:

Tower:

REMOVE AND REPLACE
(6) Amphenol BXA-171063-88F-EDIN-0 antennas (**REMOVE**) JMA MX06FR0660-03 Antennas **(REPLACE)**
(3) Amphenol BXA-70063-6CF antennas (**REMOVE**) (3) Samsung MT6407-77A antennas (**REPLACE)**
(3) Nokia UHBA B13 RRH (**REMOVE**) (3) Samsung RFV01U-D1A RRH (**REPLACE)**
(3) Nokia UHD B4 RRH (**REMOVE**) (6) Samsung RF RFV01U-D2A RRH **(REPLACE)**
(1) RFS/Celwave- 6-OVP **(REMOVE)** (1) Raycap RVZDC-6627-PF-48 12-OVP **(REPLACE)**
(1) Hybrid Cable 1-1/4" **(REMOVE)** (1) Hybrid Cables 1-5/8" **(REPLACE)**
INSTALL
(3) Side-by-side Antenna mounts
REMAINING
(3) Antel BXA-70063/6CF antennas

Ground:
N/A

The facility was approved by the Town of Woodbridge Town Plan and Zoning Commission on July 3, 2000. Said approval given with conditions which this exempt modification complies with.

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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 Beth Heller, First Selectman and Kristine Sullivan, Land Use Analyst & Zoning Enforcement Officer.

1. The proposed modifications will not result in an increase in the height of the existing tower.

2. The proposed modifications will not require the extension of the site boundary.

3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon 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).

Sincerely,

Katie Adams
Crown Castle, Agent for Verizon Wireless
kadams@nbcllc.com
(781) 392-7547

CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

cc:

Beth Heller, First Selectman
The Town of Woodbridge
11 Meetinghouse Lane
Woodbridge, CT 06525
(via FedEx)

Kristine Sullivan, Land Use Analyst & Zoning Enforcement Officer
The Town of Woodbridge
11 Meetinghouse Lane
Woodbridge, CT 06525
(via FedEx)

Crown Castle, Tower Owner

Katie Adams

From: TrackingUpdates@fedex.com
Sent: Wednesday, July 6, 2022 10:30 AM
To: Katie Adams
Subject: FedEx Shipment 777287249574: Your package has been delivered

Hi. Your package was delivered Wed, 07/06/2022 at 10:28am.

Delivered to 11 MEETINGHOUSE LN, WOODBRIDGE, CT 06525
Received by K.SULLIVAN

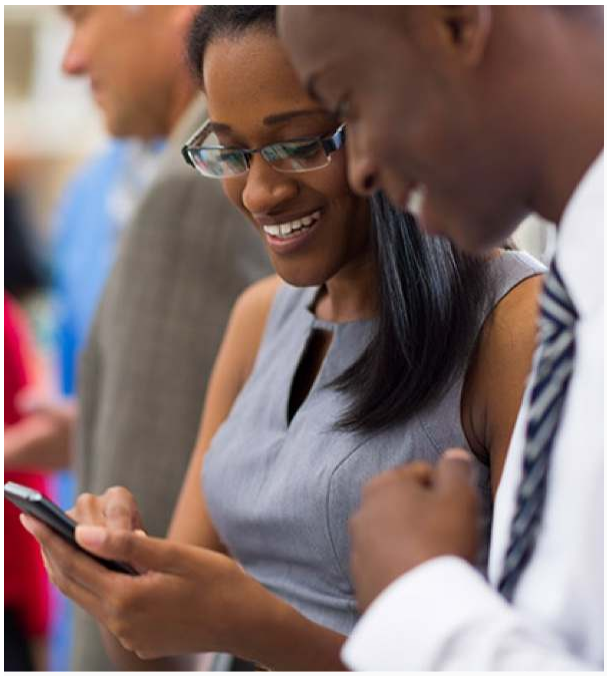
OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 777287249574

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

TO
The Town of Woodbridge
Kristine Sullivan

	11 Meetinghouse Lane WOODBRIDGE, CT, US, 06525
REFERENCE	100788 - CSC
SHIPPER REFERENCE	100788 - CSC
SHIP DATE	Tue 7/05/2022 06:28 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Pak
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	WOODBRIDGE, CT, US, 06525
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight



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Katie Adams

From: TrackingUpdates@fedex.com
Sent: Wednesday, July 6, 2022 10:31 AM
To: Katie Adams
Subject: FedEx Shipment 777287235317: Your package has been delivered

Hi. Your package was delivered Wed, 07/06/2022 at 10:29am.

Delivered to 11 MEETINGHOUSE LN, WOODBRIDGE, CT 06525
Received by G.SHAW

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER	777287235317
FROM	NB+C 100 Apollo Drive Suite 303 CHELMSFORD, MA, US, 01824
TO	The Town of Woodbridge Beth Heller

	11 Meetinghouse Lane WOODBRIDGE, CT, US, 06525
REFERENCE	100788 - CSC
SHIPPER REFERENCE	100788 - CSC
SHIP DATE	Tue 7/05/2022 06:28 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Pak
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	WOODBRIDGE, CT, US, 06525
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight

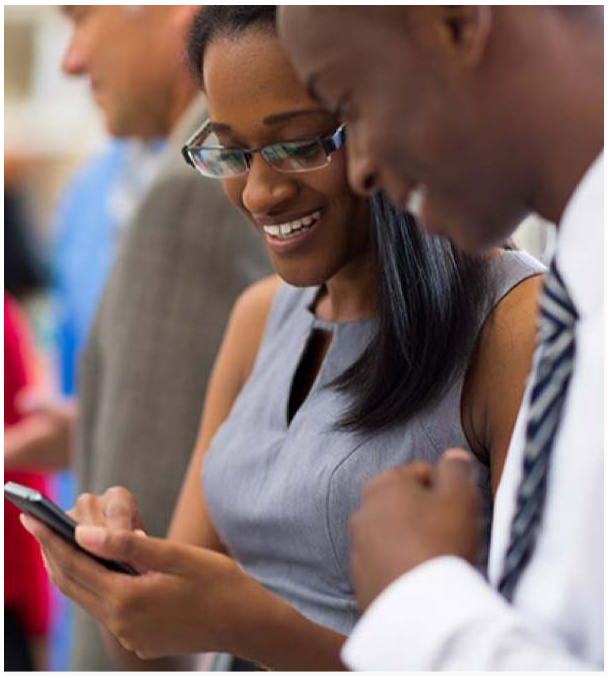

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Exhibit A

Original Facility Approval

TOWN PLAN AND ZONING COMMISSION
TOWN OF WOODBRIDGE
WOODBRIDGE, CONNECTICUT

TEL. (203) 389-3405

July 12, 2000

Christopher B. Fisher, Esq.
Cuddy & Feder & Worby LLP
733 Summor St.,
Stamford, CT. 06901

Re: Special Permit/Site Plan Application
Telecommunication Facility
Woodbridge Country Club,
50 Woodfield Road, Woodbridge, CT.

Dear Mr. Fisher:

The Commission at its meeting on July 3, 2000 reviewed your application for AT&T of a Special Permit/Site Plan approval for an unmanned telecommunication facility consisting of a one hundrod foot monopole, equipment shelter and other related improvements on a portion of lot owned by the Woodbridge Country Club, 50 Woodfield Road, Woodbridge, CT.

After discussion the Commission voted to approve the application subject to the following stipulations:

1. As offered at the Public Hearing the lower base will be designed to provide for future co-location transmission equipment which could be added upon an enlargement of the pole.

2. Any such enlargement would be subject to an application to and approval by the Town Plan & Zoning Commission.

3. AT&T will submit an estimate, based on unit cost, for the completion bond of the site improvements for the installation of the facility as shown on site plans T-1 and Z-1 prepared by URS Greiner Woodward Clyde revised to January 13, 2000.

4. This approval is conditioned upon compliance with all applicable provisions of the Woodbridge Zoning Regulations for telecommunication facilities.

Upon receipt of a completion bond satisfactory to the Commission the Enforcement Officer will be authorized to issue the necessary permits.

Sincerely yours,

Charles B. Swanson
Chairman

cc: Terry Gilbertson, Enforcement Officer

CERTIFIED MAIL RETURN RECEIPT NO. Z 720 381 193

WOOD1(WP)81

Exhibit B

Property Card

Town of Woodbridge, CT

Property Listing Report

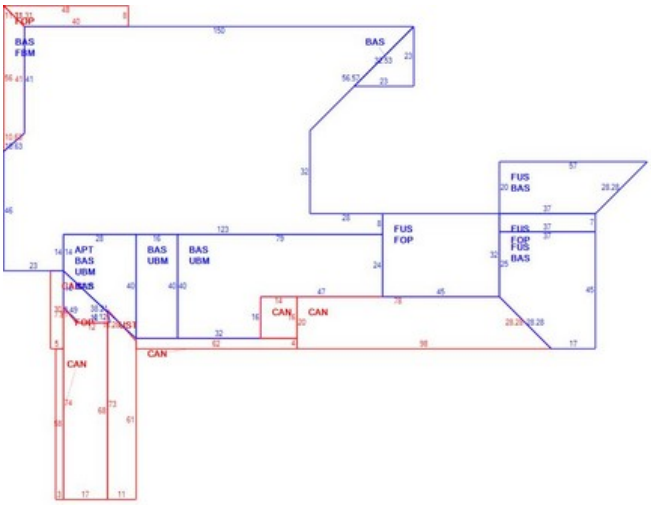
Map Block Lot	3002/2040/50//	Building #	1	PID	924	Account	103400

Property Information

Property Location	50 WOODFIELD RD
Owner	TOWN OF WOODBRIDGE
Co-Owner	
Mailing Address	11 MEETINGHOUSE LN WOODBRIDGE CT 06525
Land Use	903C Municipal 94
Land Class	E
Zoning Code	A
Census Tract	

Neighborhood	
Acreage	140.41
Utilities	Public Water,Public Sewer
Lot Setting/Desc	Rural Above
Book / Page	0628/0294
Additional Info	

Photo



Primary Construction Details

Year Built	1970
Building Desc.	Golf Course
Building Style	Country Club
Building Grade	B
Stories	2
Occupancy	1.00
Exterior Walls	Wood on Sheath
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Drywall/Sheet
Interior Walls 2	NA
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Oil
Heating Type	Hot Water
AC Type	03
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Commercial
Building Condition	F
Sprinkler %	NA
Heat / AC	HEAT/AC SPLIT
Frame Type	WOOD FRAME
Baths / Plumbing	AVERAGE
Ceiling / Wall	CEIL & WALLS
Rooms / Prtns	AVERAGE
Wall Height	12.00
First Floor Use	NA
Foundation	NA

Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot **3002/2040/50//** | Building # **1** | PID **924** | Account **103400**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	2571000	1799700
Extras	45900	32130
Improvements		
Outbuildings	1766200	1236340
Land	1118100	782670
Total	5501200	3850840

Outbuilding and Extra Features

Type	Description
Sprinklers Wet	36185 S.F.
Fireplace	1 UNITS
Shed	112 S.F.
Bath House Gd	65 S.F.
Shed Good	171 S.F.
Tennis Court	4 UNIT
Paving Asphalt	55000 S.F.
Pool IG Concrt	3158 S.F.
Pool IG Concrt	314 S.F.
Gazebo	484 S.F

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Apartment	756	756
First Floor	17092	17092
Canopy	2556	0
Basement, Finished	10430	0
Open Porch	3610	0
Upper Story, Finished	4104	4104
Basement, Unfinished	3804	0
Utility, Storage, Unfinished	737	0
Total Area	43089	21952

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
TOWN OF WOODBRIDGE	0628/0294	2009-08-28	6900000
WOODBRIDGE COUNTRY CLUB	0087/0003	1967-10-25	0

Report Created On **4/3/2020**

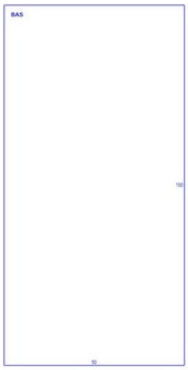
Town of Woodbridge, CT

Property Listing Report

Map Block Lot	3002/2040/50//	Building #	2	PID	924	Account	103400

Photo

Sketch



Primary Construction Details

Year Built	1980
Building Desc.	Industrial
Building Style	Warehouse
Building Grade	C
Stories	1
Occupancy	1.00
Exterior Walls	Pre-finsh Metl
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Metal/Tin
Interior Walls	Minim/Masonry
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Gas
Heating Type	Hot Air-no Duc
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	STEEL
Baths / Plumbing	NONE
Ceiling / Wall	CEILING ONLY
Rooms / Prtns	AVERAGE
Wall Height	14.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	5000	5000

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	5000	5000

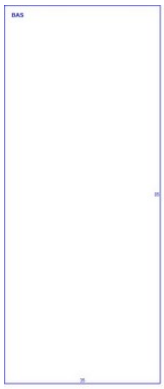
Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot 3002/2040/50// | Building # 3 | PID 924 | Account 103400

Photo

Sketch



Primary Construction Details

Year Built	1960
Building Desc.	Industrial
Building Style	Service Shop
Building Grade	C
Stories	1
Occupancy	1.00
Exterior Walls	Concr/Cinder
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Minim/Masonry
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Coal or Wood
Heating Type	Forced Air-Duc
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	MASONRY
Baths / Plumbing	NONE
Ceiling / Wall	CEILING ONLY
Rooms / Prtns	AVERAGE
Wall Height	8.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	2975	2975

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	2975	2975

Report Created On 4/3/2020

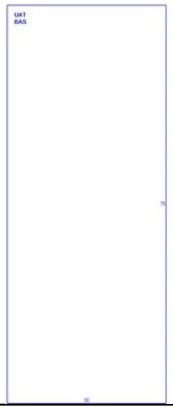
Town of Woodbridge, CT

Property Listing Report

Map Block Lot	3002/2040/50//	Building #	4	PID	924	Account	103400

Photo

Sketch



Primary Construction Details

Year Built	1960
Building Desc.	Industrial
Building Style	Service Shop
Building Grade	C-
Stories	1
Occupancy	1.00
Exterior Walls	Concr/Cinder
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Minim/Masonry
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Gas
Heating Type	Hot Air-no Duc
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	MASONRY
Baths / Plumbing	AVERAGE
Ceiling / Wall	CEILING ONLY
Rooms / Prtns	AVERAGE
Wall Height	12.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	2250	2250
Attic, Unfinished	2250	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	4500	2250

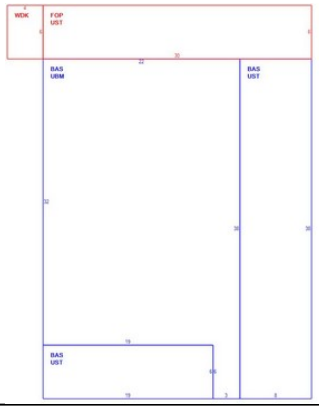
Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot 3002/2040/50// | Building # 5 | PID 924 | Account 103400

Photo

Sketch



Primary Construction Details

Year Built	1950
Building Desc.	Commercial
Building Style	Restaurant
Building Grade	C-
Stories	1
Occupancy	1.00
Exterior Walls	Concr/Cinder
Exterior Walls 2	NA
Roof Style	Flat
Roof Cover	Rolled Compos
Interior Walls	Knotty Pine
Interior Walls 2	NA
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Coal or Wood
Heating Type	None
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	WOOD FRAME
Baths / Plumbing	AVERAGE
Ceiling / Wall	CEIL & MIN WL
Rooms / Prtns	AVERAGE
Wall Height	9.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	1140	1140
Open Porch	180	0
Basement, Unfinished	722	0
Utility, Storage, Unfinished	598	0
Wood Deck	24	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	2664	1140

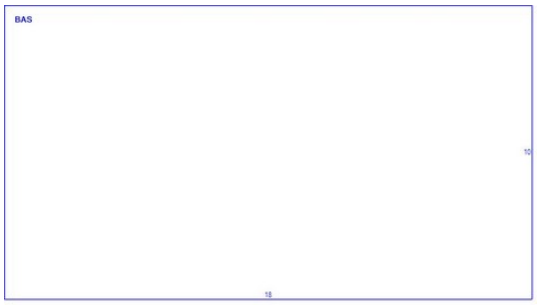
Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot 3002/2040/50// | Building # 6 | PID 924 | Account 103400

Photo

Sketch



Primary Construction Details

Year Built	1970
Building Desc.	Industrial
Building Style	Store
Building Grade	C-
Stories	1
Occupancy	1.00
Exterior Walls	Pre-Fab Wood
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Drywall/Sheet
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Coal or Wood
Heating Type	None
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	SFR OPEN MDL-96
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	WOOD FRAME
Baths / Plumbing	NONE
Ceiling / Wall	CEIL & MIN WL
Rooms / Prtns	AVERAGE
Wall Height	8.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	180	180

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	180	180

Report Created On 4/3/2020

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 468541
VERIZON SITE NAME: WESTVILLE WEST CT
VERIZON FUZE ID: 16244609
SITE TYPE: MONOPOLE
TOWER HEIGHT: 102'-0"

BUSINESS UNIT #: 842879
SITE ADDRESS: 50 WOODFIELD ROAD WOODBRIDGE, CT 06525
COUNTY: NEW HAVEN
JURISDICTION: TOWN OF WOODBRIDGE

VERIZON AWS MODIFICATION;4G_850,4G_PCS,5G_850,5G_LSUB6-

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	WOODBRIDGE COUNTRY CLUB
SITE ADDRESS:	50 WOODFIELD ROAD WOODBRIDGE, CT 06525
COUNTY:	NEW HAVEN
MAP/PARCEL #:	300220400052
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 19' 39.50"
LONGITUDE:	-72° 59' 36.84"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	355 FT
CURRENT ZONING:	A
JURISDICTION:	TOWN OF WOODBRIDGE
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	AT&T NETWORK ADMINISTRATION 754 PEACHTREE ST NE 16TH FL ATLANTA, GA 30308
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	UNITED ILLUMINATING CO (800)-722-5584
TELCO PROVIDER:	AT&T (888) 609-6717

PROJECT TEAM

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

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5.1	EQUIPMENT DETAILS
C-5.2	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
APPENDIX	MOUNT MODIFICATION DRAWINGS

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vzwsmart.com
SMART TOOL VENDOR	
PROJECT NUMBER	10145609
VzW LOCATION CODE (PSLC)	468541

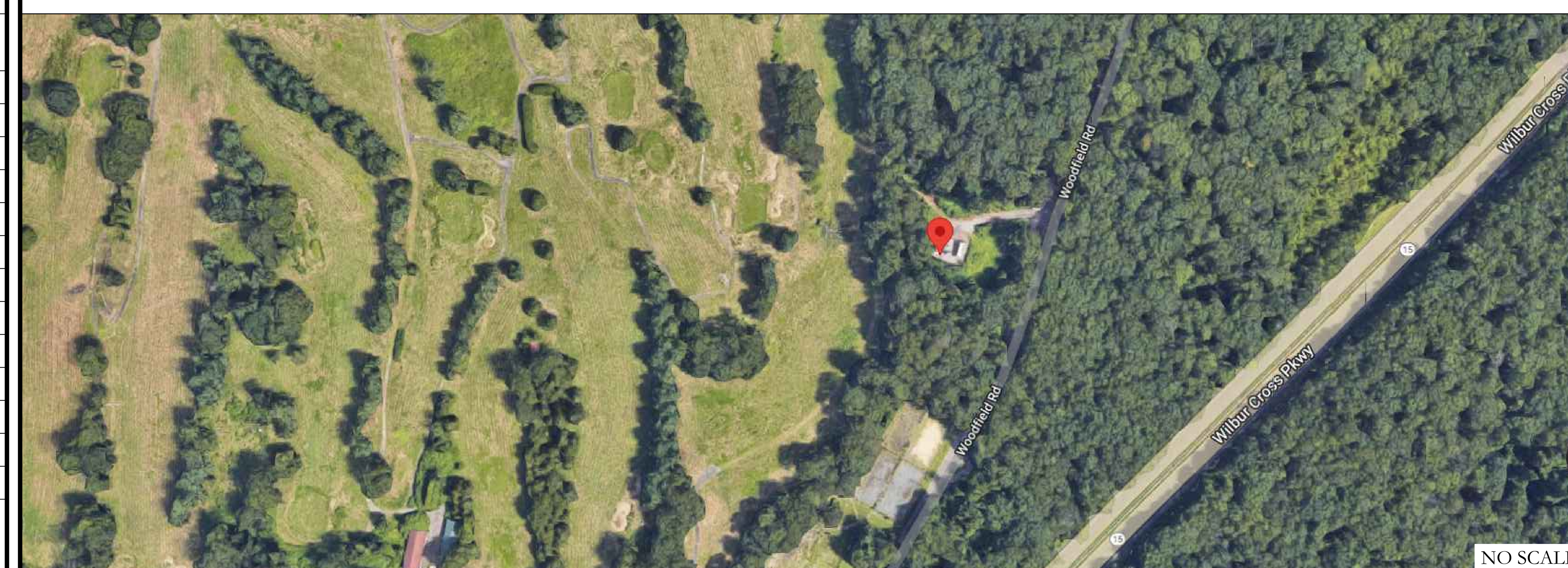
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (50 WOODFIELD RD, WOODBRIDGE, CT 06525,) HEAD NORTHEAST. TURN LEFT TOWARD BOSTON POST RD. TAKE RACEBROOK RD TO DOGBURN RD. TURN LEFT ONTO DOGBURN RD. CONTINUE ONTO JOHNSON RD. TURN RIGHT ONTO WOODFIELD RD. DESTINATION WILL BE ON THE LEFT

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	04/28/2022
RFDS REVISION:	0
DATED:	04/12/2022
ORDER ID:	617708
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (9) ANTENNAS
- REMOVE (6) RRHs
- REMOVE (1) 6-OVP
- REMOVE (1) HYBRID
- INSTALL (9) ANTENNAS
- INSTALL (9) RRHs
- INSTALL (1) 12-OVP
- INSTALL (1) HYBRID CABLE

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

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

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218215.702024

VERIZON SITE NUMBER:
468541

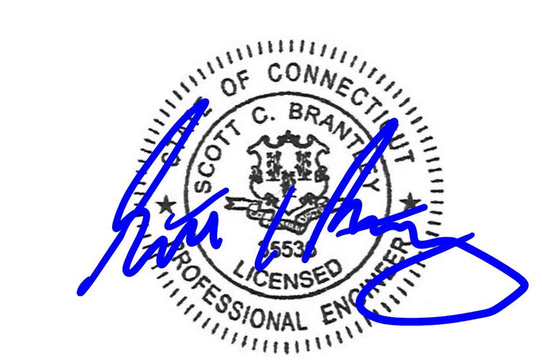
BU #: **842879**
WOODBRIDGE COUNTRY CLUB

50 WOODFIELD ROAD
WOODBRIDGE, CT 06525

EXISTING 102'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	05/27/22	KBA	CONSTRUCTION	RST



05/27/22

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

SHEET NUMBER:	REVISION:
T-1	0

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.

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. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
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

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).

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(919) 661-6351

TEP JOB #: 218215.702024

VERIZON SITE NUMBER:
468541

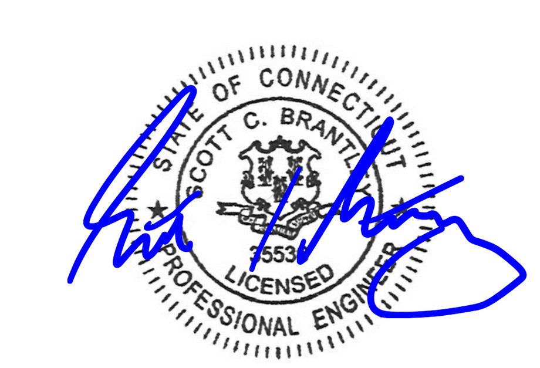
BU #: **842879**
WOODBRIDGE COUNTRY CLUB

50 WOODFIELD ROAD
WOODBRIDGE, CT 06525

EXISTING 102'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	05/27/22	KBA	CONSTRUCTION	RST



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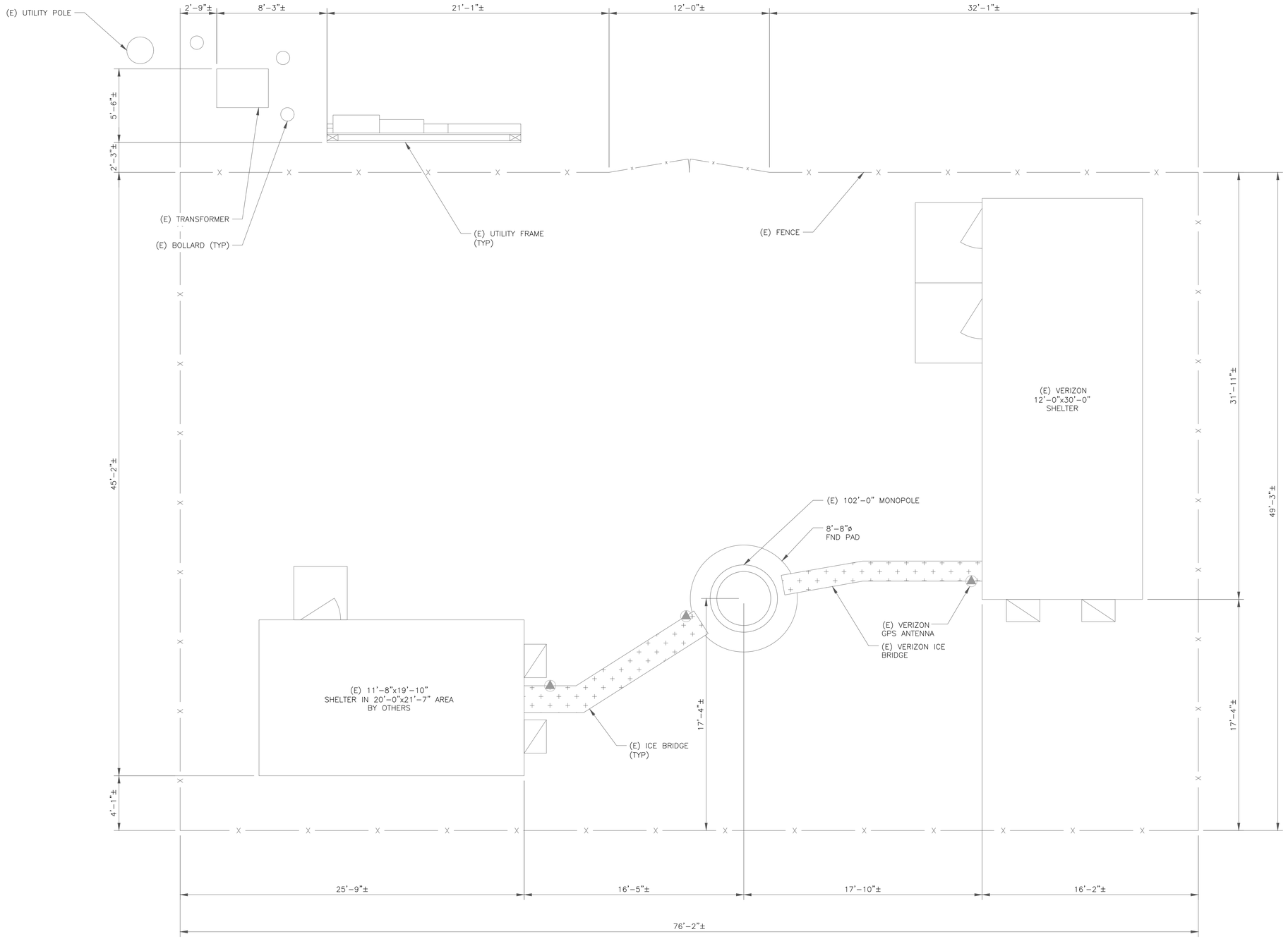
SHEET NUMBER: T-2

REVISION: 0



1 SITE PLAN

SCALE: 4' 3' 2' 1' 0 4'
1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

N

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STATE OF CONNECTICUT
SCOTT C. BRANTLEY
35536
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05/27/22

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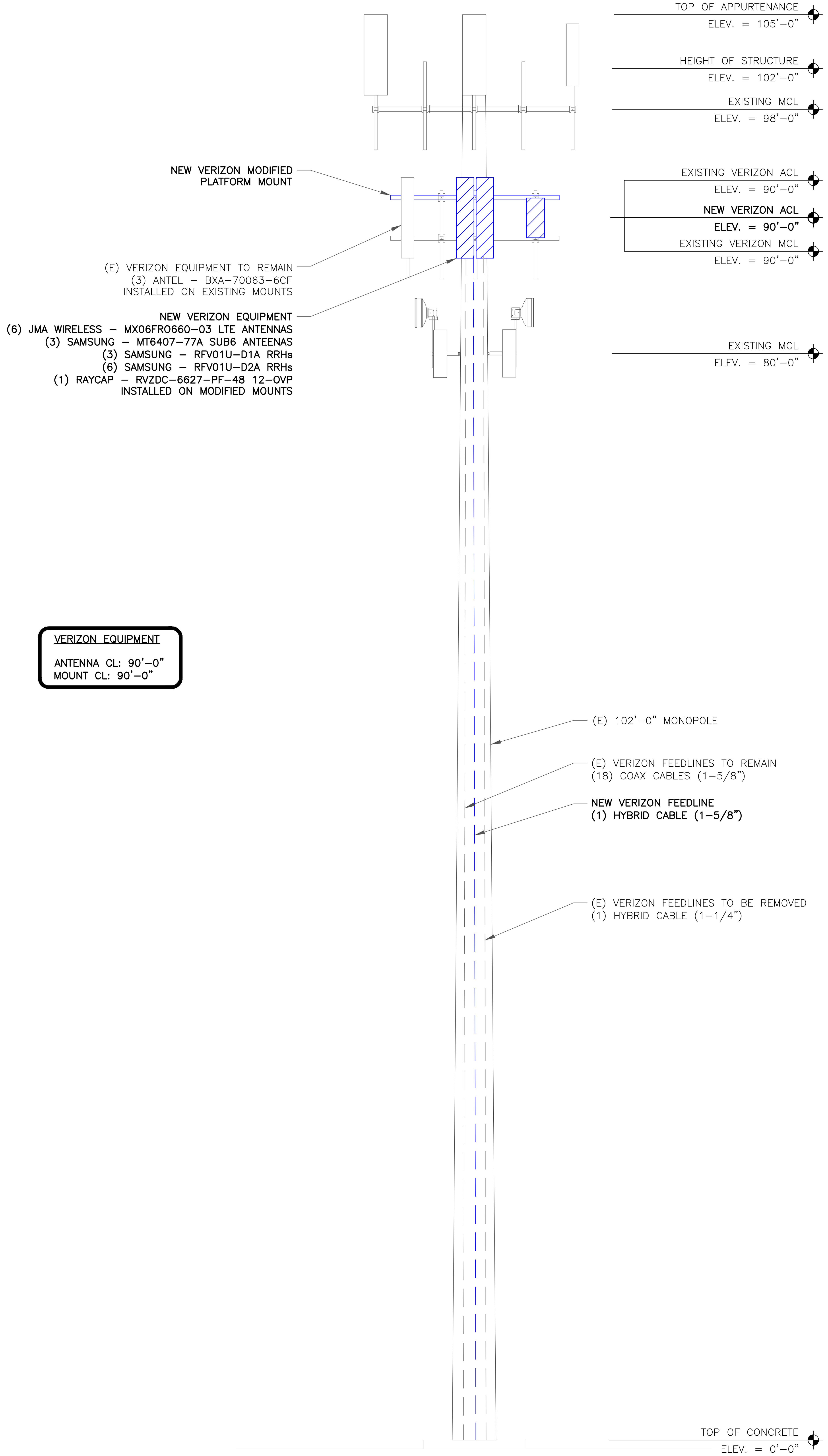
SHEET NUMBER: C-1

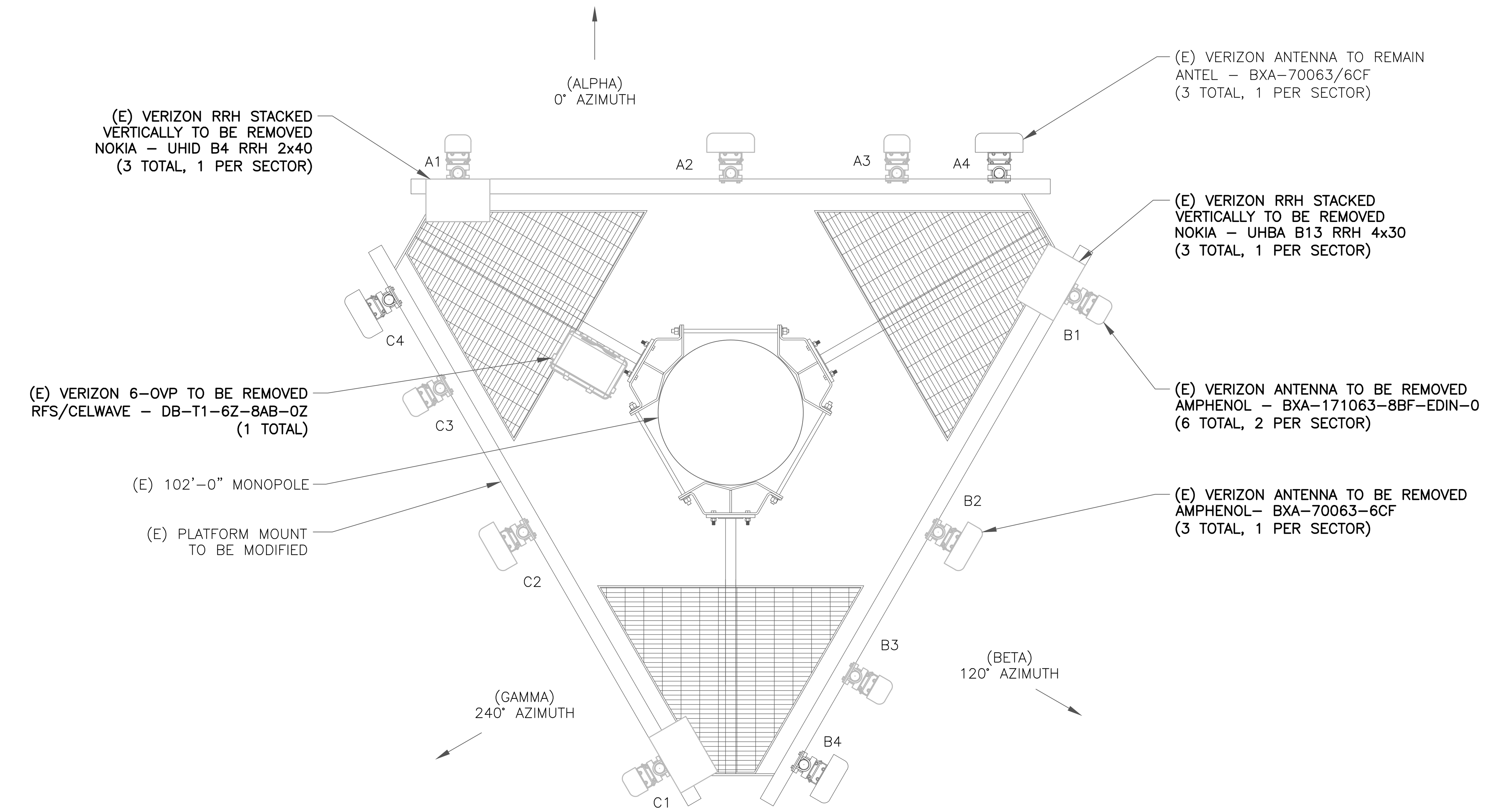
REVISION: 0



VERIZON EQUIPMENT

ANTENNA CL: 90'–0"
MOUNT CL: 90'–0"

1 TOWER ELEVATION
SCALE: 2' 1' 0 2' 3/8"=1'–0" (FULL SIZE) 3/16"=1'–0" (11x17)

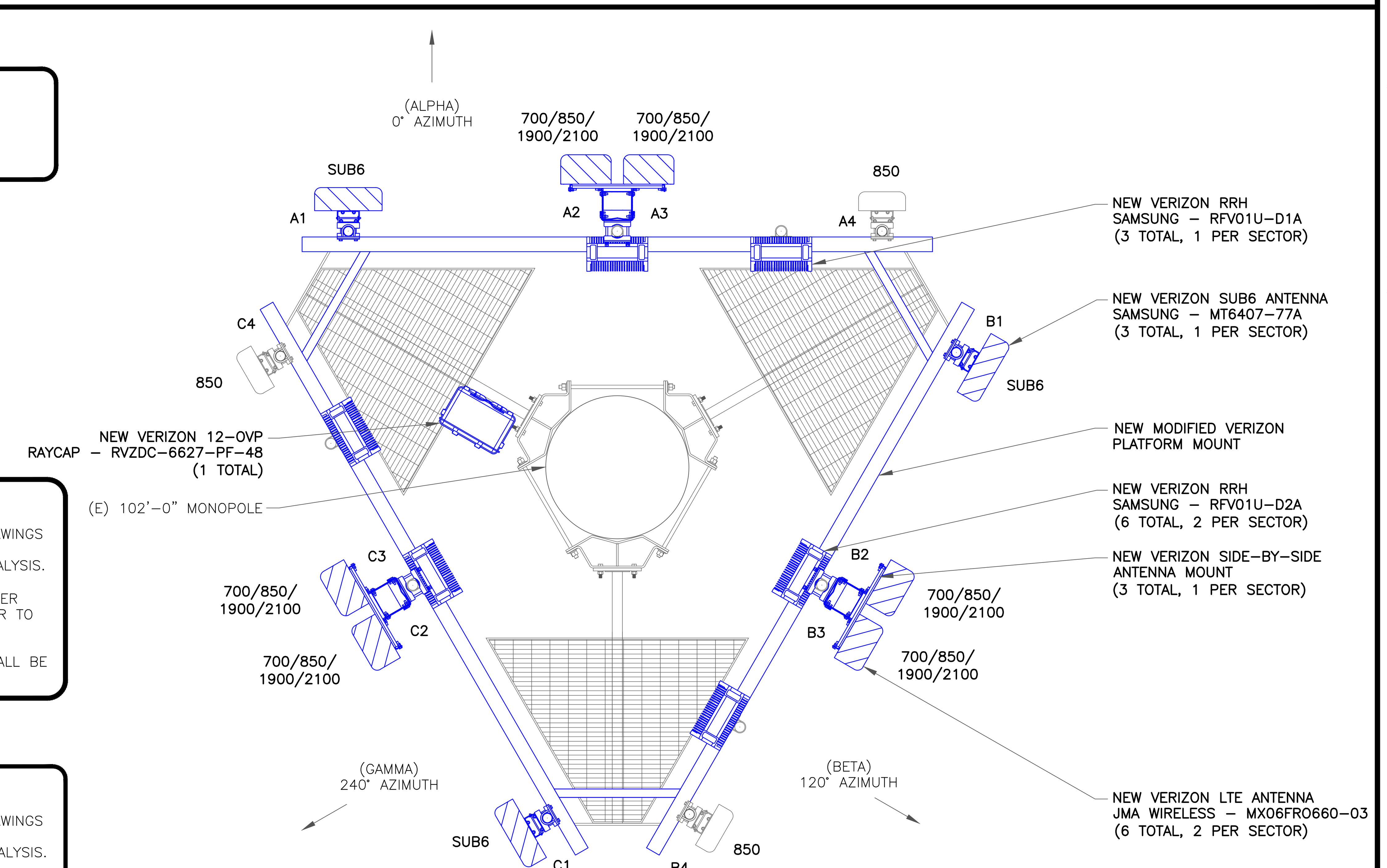


2 EXISTING ANTENNA PLAN
SCALE: 1' 6" 0 1' 1"=1'–0" (FULL SIZE) 1/2"=1'–0" (11x17)

N

INSTALLER NOTE:

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



3 NEW ANTENNA PLAN
SCALE: 1' 6" 0 1' 1"=1'–0" (FULL SIZE) 1/2"=1'–0" (11x17)

N

TOWER ANALYSIS NOTES:

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

MOUNT ANALYSIS NOTES:

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

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WOODBRIDGE COUNTRY CLUB

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SCOTT C. BRANTLEY
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LICENSED
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SHEET NUMBER: C-2

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ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	**NEW**	**SAMSUNG**	**MT6407–77A**	**90'–0"**	**0°**	*****	*****	**–**	**–**
A2	**NEW**	**JMA WIRELESS**	**MX06FRO660–03**	**90'–0"**	**0°**	*****	*****	**SAMSUNG**	**(1) RFV01U–D1A RRH**
A3	**NEW**	**JMA WIRELESS**	**MX06FRO660–03**	**90'–0"**	**0°**	*****	*****	**SAMSUNG**	**(1) RFV01U–D2A RRH**
A4	EXISTING	ANTEL	BXA–70063–6CF	90'–0"	0°	*	*	–	–
B1	**NEW**	**SAMSUNG**	**MT6407–77A**	**90'–0"**	**120°**	*****	*****	**–**	**–**
B2	**NEW**	**JMA WIRELESS**	**MX06FRO660–03**	**90'–0"**	**120°**	*****	*****	**SAMSUNG**	**(1) RFV01U–D1A RRH**
B3	**NEW**	**JMA WIRELESS**	**MX06FRO660–03**	**90'–0"**	**120°**	*****	*****	**SAMSUNG**	**(1) RFV01U–D2A RRH**
B4	EXISTING	ANTEL	BXA–70063–6CF	**90'–0"**	120°	*	*	–	–
C1	**NEW**	**SAMSUNG**	**MT6407–77A**	**90'–0"**	**240°**	*****	*****	**–**	**–**
C2	**NEW**	**JMA WIRELESS**	**MX06FRO660–03**	**90'–0"**	**240°**	*****	*****	**SAMSUNG**	**(1) RFV01U–D1A RRH**
C3	**NEW**	**JMA WIRELESS**	**MX06FRO660–03**	**90'–0"**	**240°**	*****	*****	**SAMSUNG**	**(1) RFV01U–D2A RRH**
C4	EXISTING	ANTEL	BXA–70063–6CF	**90'–0"**	240°	*	*	**RAYCAP**	**(1) RVZDC–6627–PF–48 12–OVP**

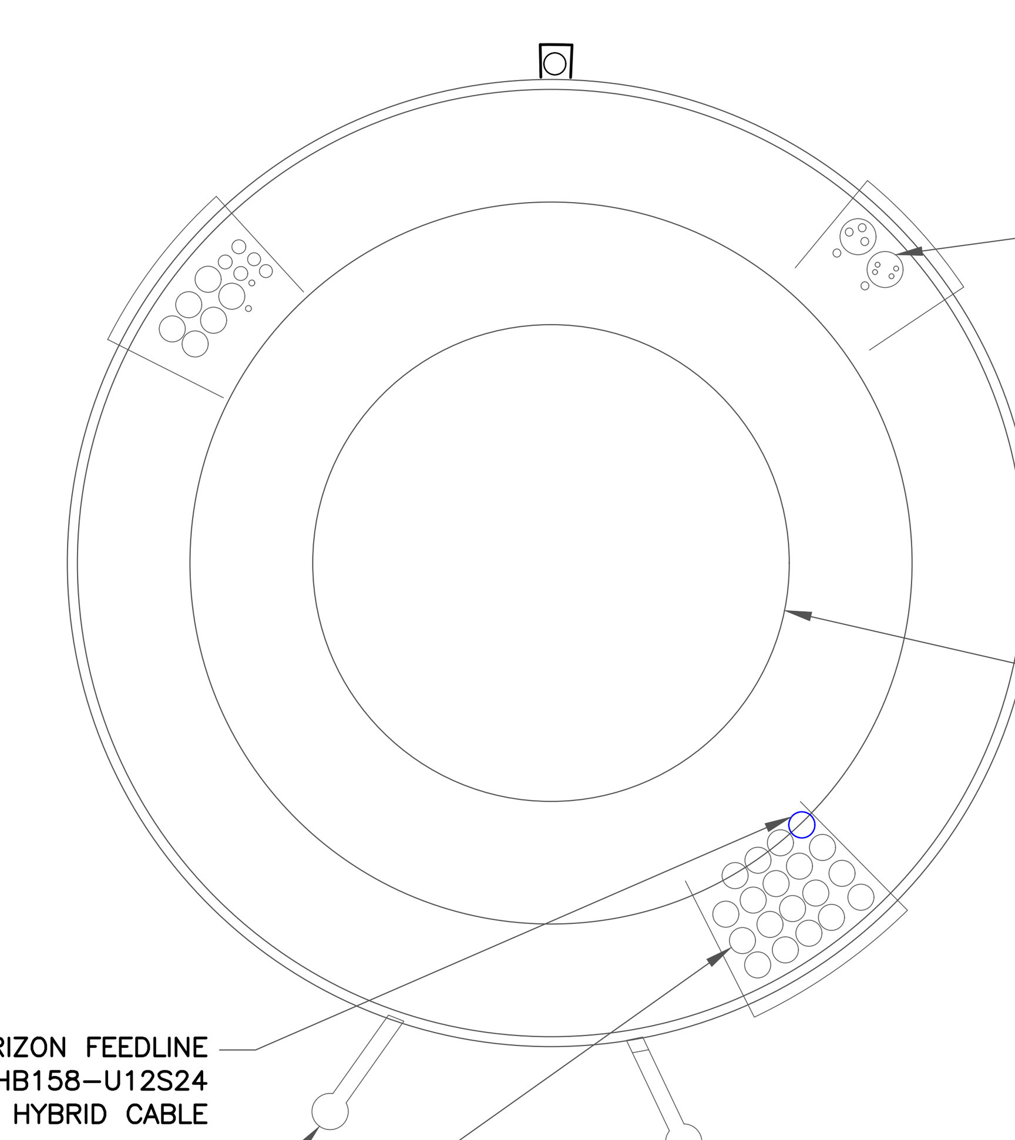
NOTE – NEW ANTENNA/EQUIPMENT SHOWN IN BOLD

* – CONTRACTOR TO REFERENCE MOST RECENT RFDS FOR MECHANICAL AND ELECTRICAL DOWNTILTS

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	MANUFACTURER (MODEL #)	SIZE	LENGTH	QTY
EXISTING	COAX	ANDREW (AVA7–50A)	1–5/8"	140'–0"±	18
NEW	**HYBRID**	**RFS CELWAVE HB158–21U6S12**	**1–5/8"**	**140'–0"±**	**1**
				TOTAL CABLE QTY:	**19**



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **842879**
WOODBRIDGE COUNTRY CLUB

50 WOODFIELD ROAD
WOODBRIDGE, CT 06525

EXISTING 102'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	05/27/22	KBA	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANT
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LICENSED PROFESSIONAL ENGINEER
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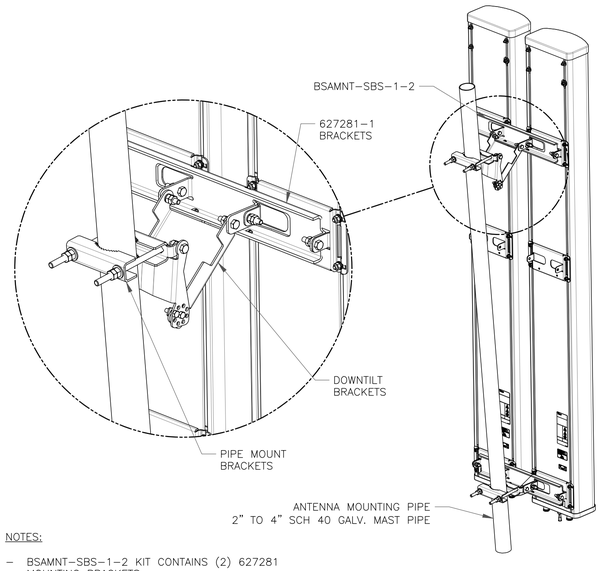
SHEET NUMBER: C-3
REVISION: 0

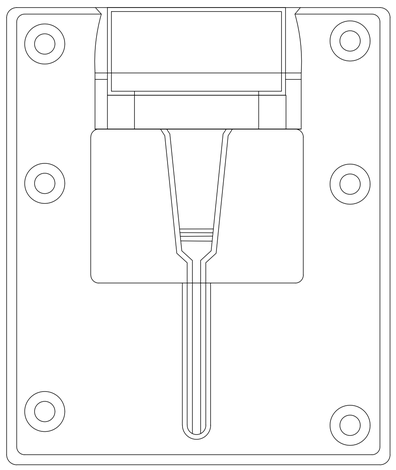


NOTES:

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

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

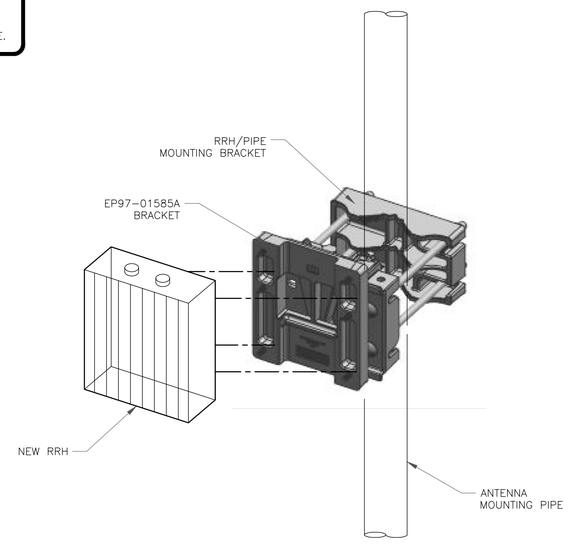
2 NOT USED
SCALE: NOT TO SCALE



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

INSTALLER NOTES:

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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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EXISTING 102'-0" MONOPOLE

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STATE OF CONNECTICUT
SCOTT G. BRANTLY
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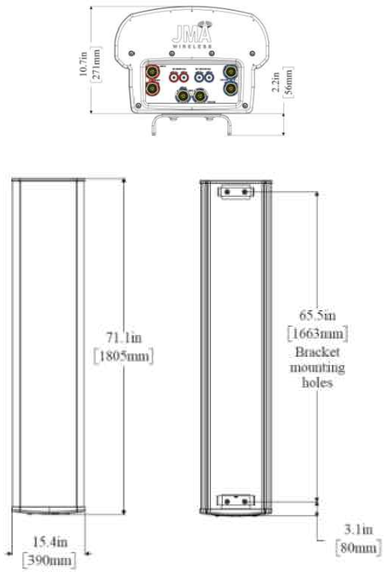
SHEET NUMBER: C-4

REVISION: 0

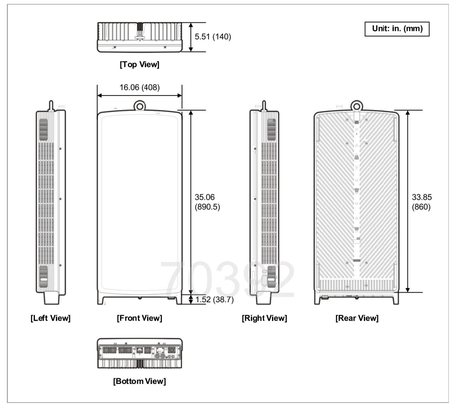
FIBER NAMING CONVENTION	
Technology	(Equipment-Sector-OPTI #)
DUPLEX FIBER RUN	
5GmmW L0	5GmmW-A-0
SIMPLEX FIBER RUN	
CBRS L0	CBRS-A-0
CBRS L1	CBRS-A-1
LAA L0	LAA-A-0
High Band Dual Band L0	HB-A-0
High Band Dual Band L1	HB-A-1
Low Band Dual Band L0	LB-A-0
FDMIMO AWS L0	FDM-AWS-A-0
FDMIMO AWS L1	FDM-AWS-A-1
FDMIMO PCS L0	FDM-PCS-A-0
FDMIMO PCS L1	FDM-PCS-A-1
Rev. 2/23/2021	

1 FIBER NAMING CONVENTION CHART
SCALE: NOT TO SCALE



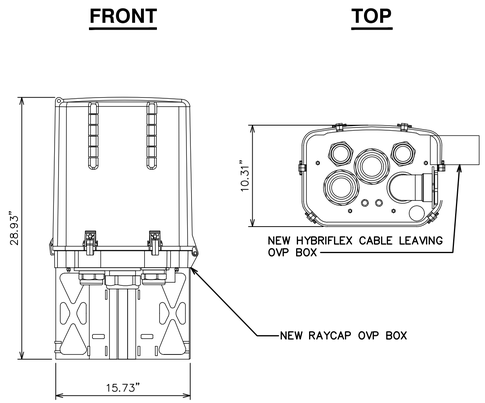
JMA – MX06FRO660-03 ANTENNA
WEIGHT: 78.00 LBS
SIZE (HxWxD): 71.3X15.4X10.7 IN.

2 JMA WIRELESS / MX06FRO660-03
SCALE: NOT TO SCALE



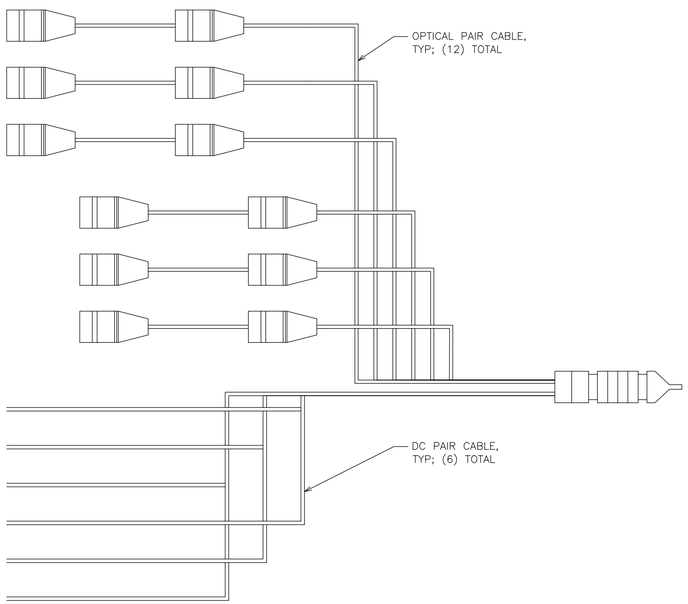
SAMSUNG TELECOMMUNICATIONS – MT6407-77A ANTENNA
WEIGHT: 81.57 LBS
SIZE (HxWxD): 35.06x16.06x5.51 IN.

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



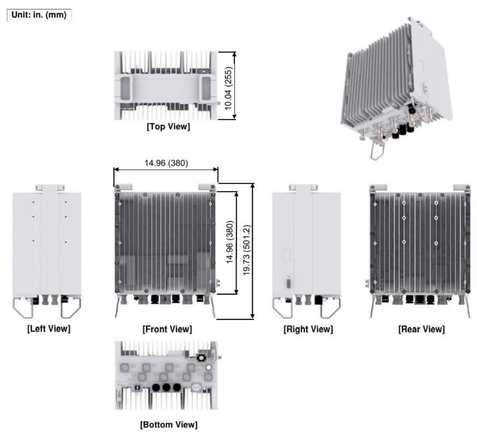
RAYCAP – RVZDC-6627-PF-48
WEIGHT: 32.00 LBS
SIZE (HxWxD): 28.93x15.73x10.31 IN.

4 RAYCAP RVZDC-6627-PF-48
SCALE: NOT TO SCALE



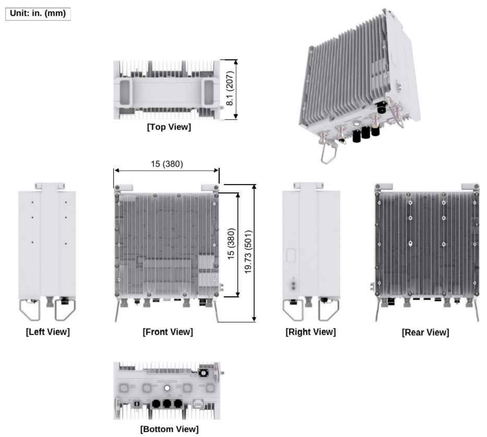
RFS/CELWAVE – HB158-21U6S12-XXXM-01
WEIGHT: 1.7 LBS/FT
DIAMETER: 1.99" (±.1")
COAX EQUIVALENT: 1⅝"

5 HCS DETAIL
SCALE: NOT TO SCALE



SAMSUNG – RFV01U-D1A
WEIGHT: 84.40 LBS
SIZE (HxWxD): 15.00x15.00x10.00 IN.

6 SAMSUNG – RFV01U-D1A
SCALE: NOT TO SCALE



SAMSUNG – RFV01U-D2A
WEIGHT: 70.30 LBS
SIZE (HxWxD): 15.00x15.00x8.10 IN.

7 SAMSUNG – RFV01U-D2A
SCALE: NOT TO SCALE

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SHEET NUMBER: C-5

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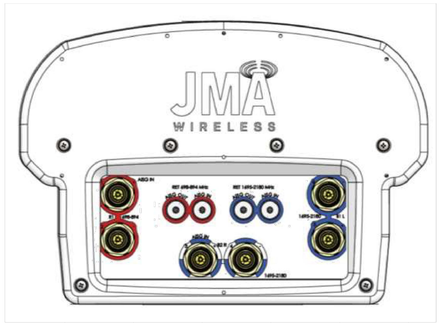
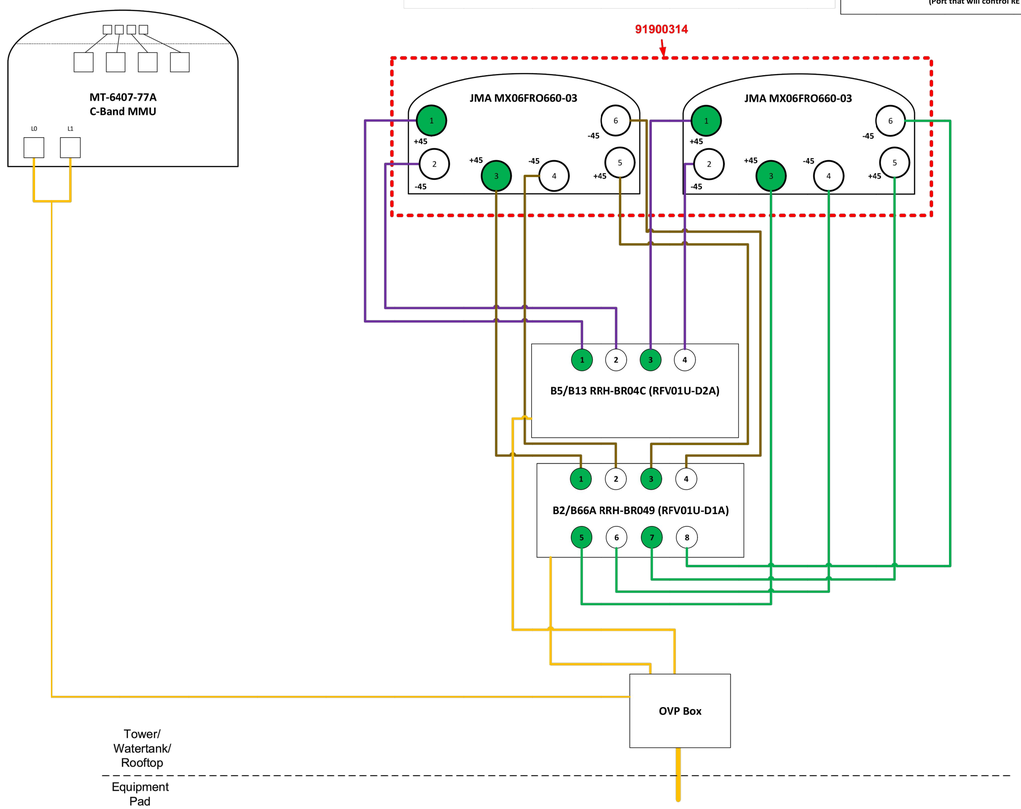
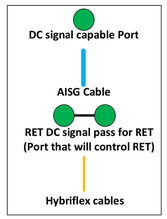


- **Port 1 & 2 are for low band (698-896 MHz).**
- **Port 3,4,5, & 6 are for high band (1695-2360 MHz).**
- **Antenna Smart Bias Tee (SBT) is through port 1 for low band and port 3 for high band.**
- **AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to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

RET DC signal pass for RET (Port that will control RET)





Comments:

Diagram shows configuration as viewed from standing behind the antennas.

Antennas will be installed in that order from left to right.

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218215.702024

VERIZON SITE NUMBER:
468541

BU #: **842879**
WOODBRIDGE COUNTRY CLUB

50 WOODFIELD ROAD
WOODBRIDGE, CT 06525

EXISTING 102'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	05/27/22	KBA	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
35536
LICENSED PROFESSIONAL ENGINEER

05/27/22

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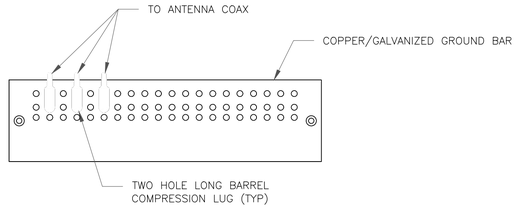
SHEET NUMBER: C-6

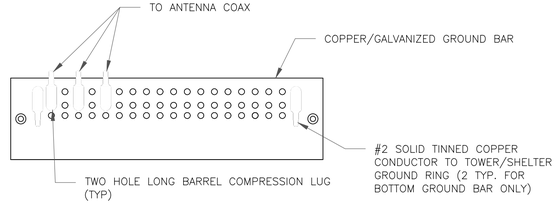
REVISION: 0



NOTES:

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

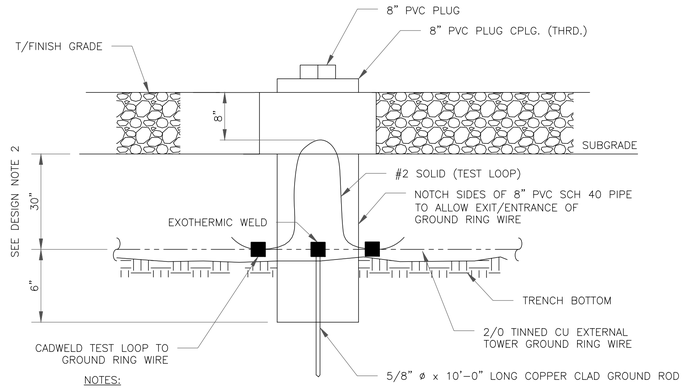
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

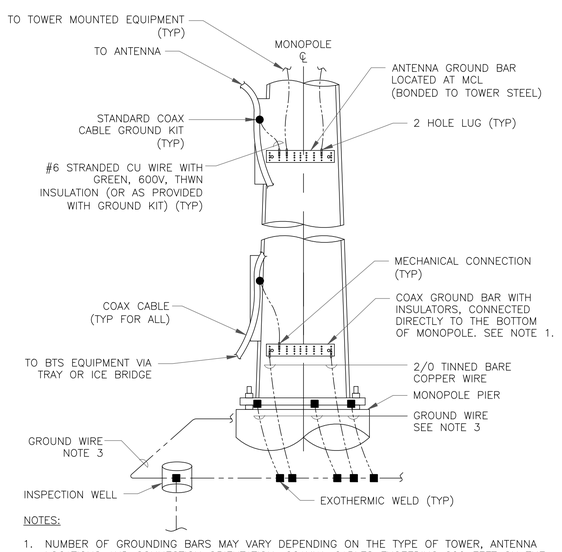
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

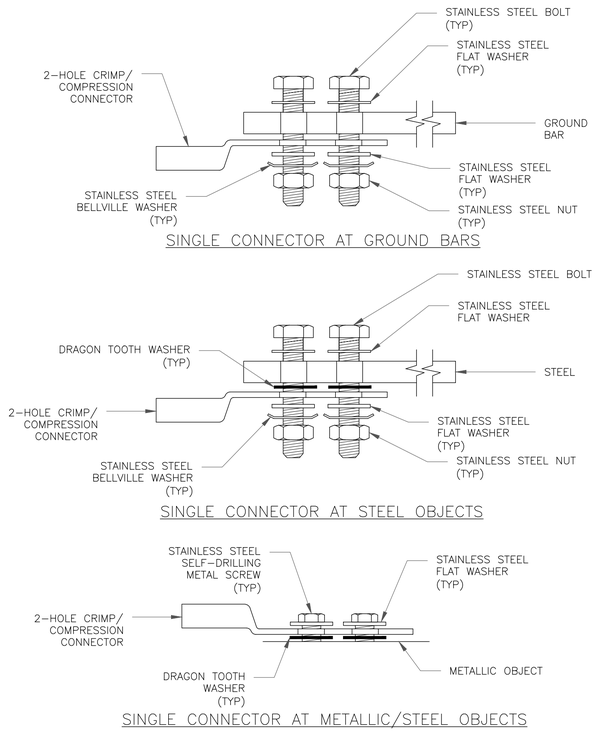
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



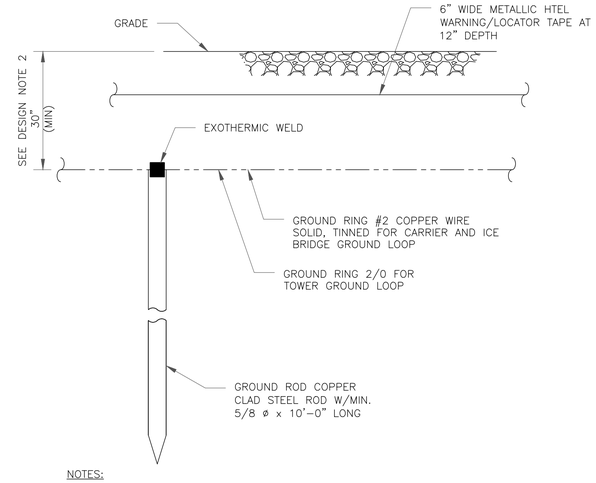
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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

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

TOWER ENGINEERING PROFESSIONALS
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RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218215.702024

VERIZON SITE NUMBER:
468541

BU #: **842879**
WOODBRIDGE COUNTRY CLUB

50 WOODFIELD ROAD
WOODBRIDGE, CT 06525

EXISTING 102'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	05/27/22	KBA	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
36336
LICENSED PROFESSIONAL ENGINEER

05/27/22

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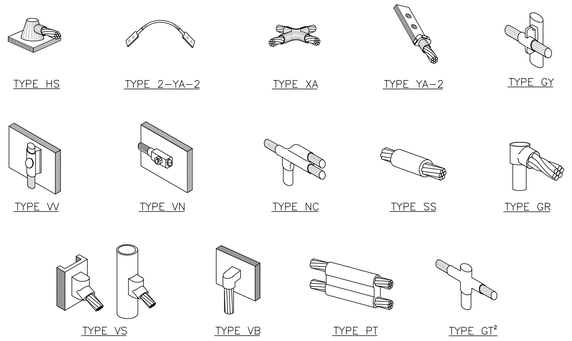
SHEET NUMBER: G-1
REVISION: 0

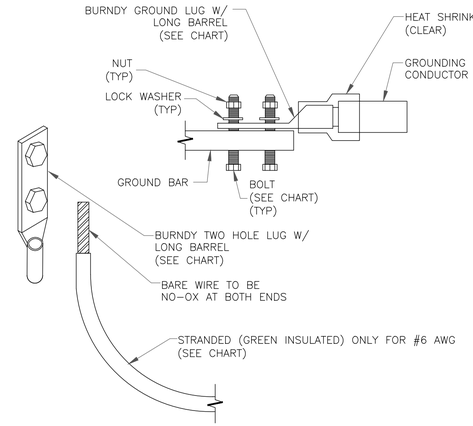


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

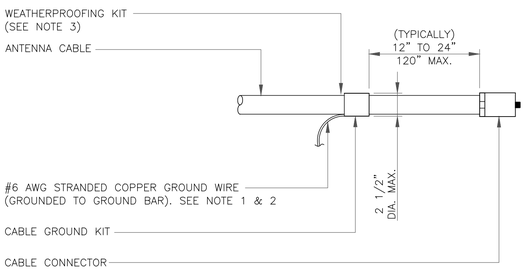
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

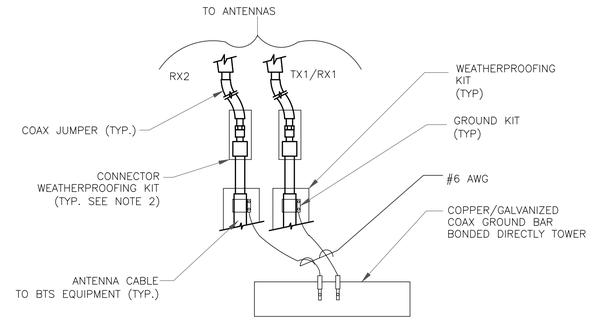
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

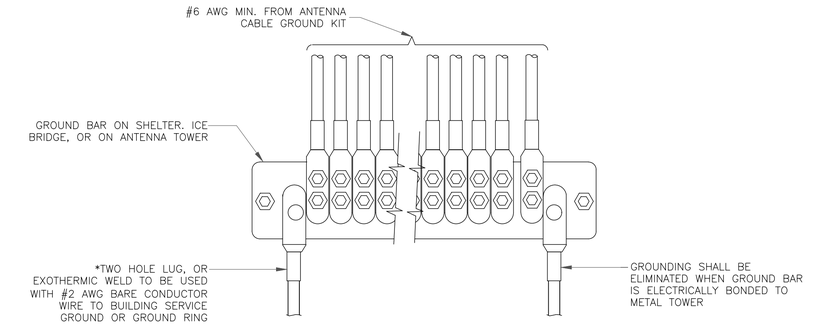
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



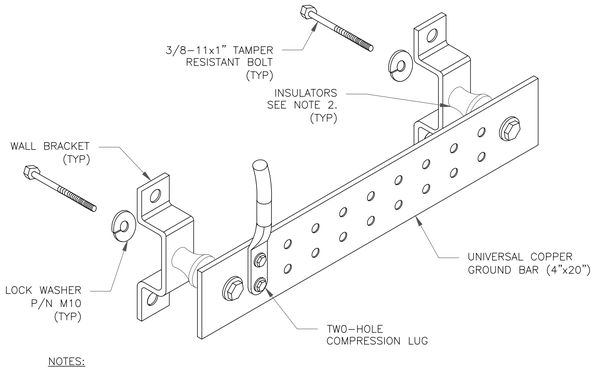
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



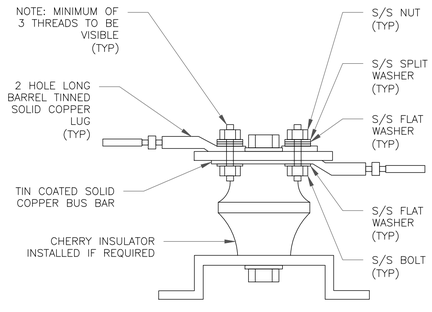
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



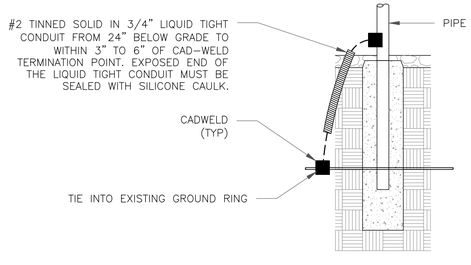
NOTES:

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.

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218215.702024

VERIZON SITE NUMBER:
468541

BU #: **842879**
WOODBRIDGE COUNTRY CLUB

50 WOODFIELD ROAD
WOODBRIDGE, CT 06525

EXISTING 102'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	05/27/22	KBA	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
35036
LICENSED PROFESSIONAL ENGINEER

05/27/22

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SHEET NUMBER: G-2
REVISION: 0

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 842879

CARRIER SITE NAME: WESTVILLE WEST CT
CARRIER SITE NUMBER: 468541
FUZE ID: 16244609

50 WOODFIELD RD.
WOODBRIDGE, CT 06525
NEW HAVEN COUNTY

LATITUDE: 41.327639° N
LONGITUDE: 72.993567° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 119 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 360.98'

ICE LOADS

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

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .200
LONG TERM MCER GROUND MOTION, S_1 = .054

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@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10145609
VZW LOCATION CODE (PSLC): 468541
ANALYSIS DATE: 4/28/2022

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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JOB NUMBER : 21777972A

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.	.	.	.	.
0	04/28/22	ISSUED FOR CONSTRUCTION	AE	DX

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SITE NAME:

WESTVILLE WEST CT
468541

50 WOODFIELD RD.
WOODBRIDGE, CT 06525
NEW HAVEN 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.

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-P40-238X048	48" LONG, PIPE 2 STD (2.375"OD X 0.154" THK)		15	15
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
1		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	34

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
					TOTAL:	994

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

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

VZWSMART KITS - APPROVED VENDORS

NEWAVE

CONTACT	NEWAVE SALES TEAM
PHONE	(971) 239-4762
EMAIL	SALES@NEWAVETC.COM
WEBSITE	WWW.NEWAVETC.COM

BETTER METAL, LLC

CONTACT	DAVID STANSBERRY
PHONE	(615) 535-0990 (O), (615) 631-2520 (M)
EMAIL	DLS@BETTERMETAL.COM
WEBSITE	WWW.BETTERMETAL.COM

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SCALE: AS SHOWN

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	04/28/22	ISSUED FOR CONSTRUCTION	AE	DX

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SITE NAME:

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468541

50 WOODFIELD RD.
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1055 Washington Boulevard
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Phone: 203.324.0800
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SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

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).

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@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING 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. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. 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.
10. 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.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. 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.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
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.

WELDING NOTES

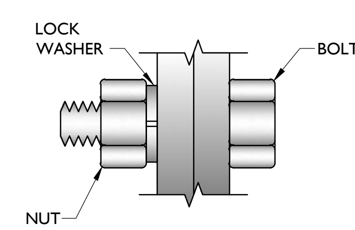
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

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

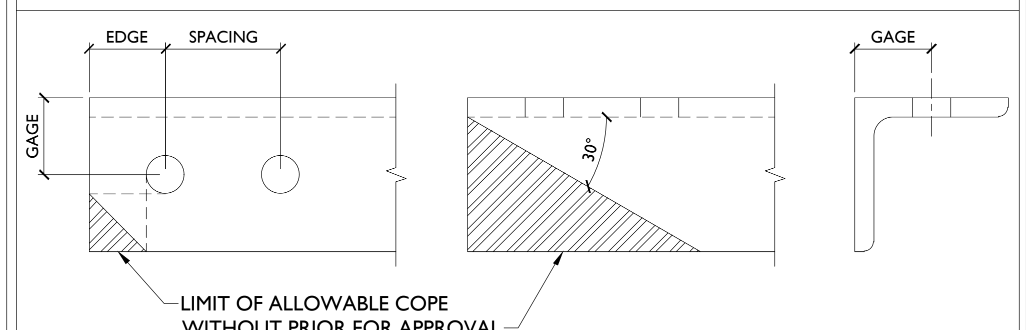


TYP. BOLT ASSEMBLY

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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SCALE : AS SHOWN | JOB NUMBER : 21777972A

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0	04/28/22	ISSUED FOR CONSTRUCTION	AE	DX

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468541

50 WOODFIELD RD.
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NEW HAVEN COUNTY

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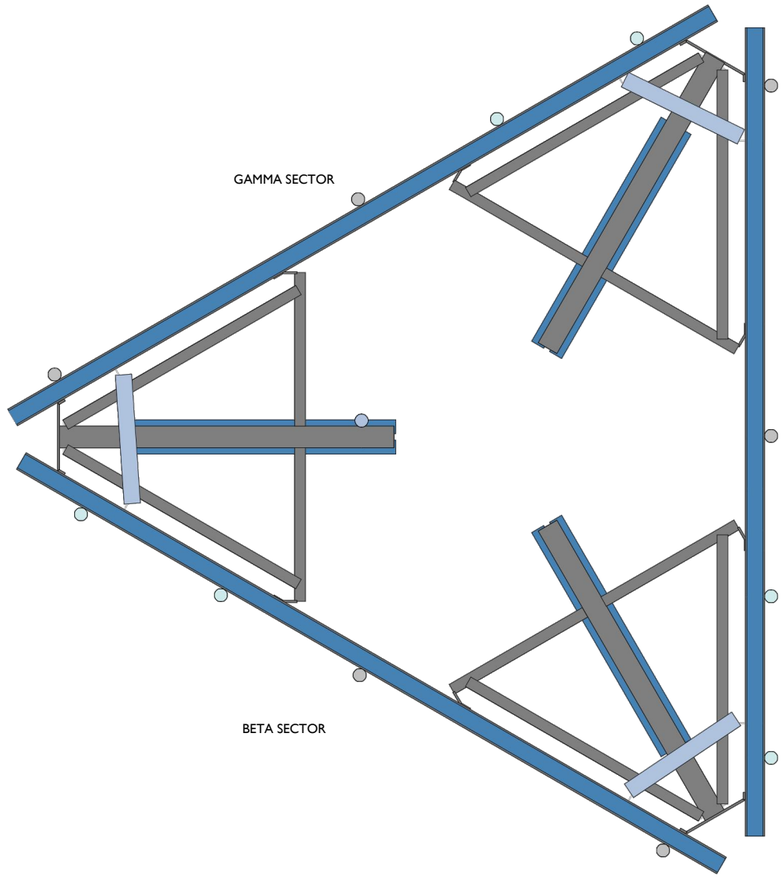
SHEET TITLE : GENERAL NOTES

SHEET NUMBER : SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC. ON 6/2/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (88'-6") 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.

CLIMBING FACILITY PHOTO

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SHEET TITLE :

CLIMBING FACILITY DETAIL

SHEET NUMBER :

SCF-1

LEGEND:

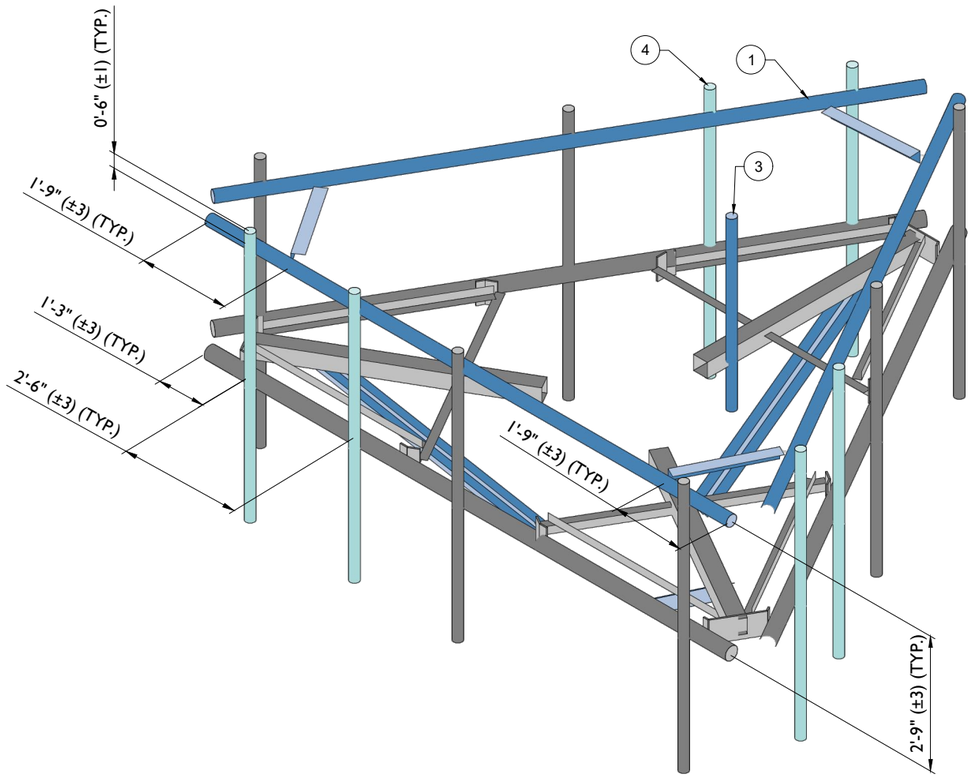
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	88'-6"	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).
3		1	PROPOSED 48" LONG, P2 STD (PART #: VZWSMART-P40-238X048)	CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).
4		6	EXISTING RELOCATED 72" LONG P2 STD PIPE	RECONNECT MOUNT PIPES TO EXISTING FACE HORIZONTAL WITH EXISTING CROSSOVER PLATES AND NEW BOLTING HARDWARE.

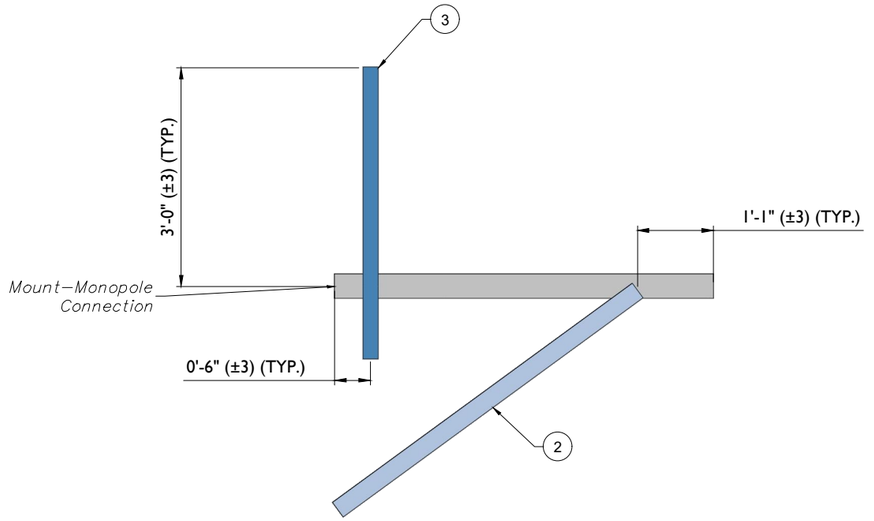
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
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 (ZINGA OR ZINC KOTE).
CONTRACTOR SHALL CUT BACK GRATING TO 1" BEYOND THE PLATE WHEN INSTALLING PROPOSED OVP PIPE. PROTECT CUT ENDS WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC KOTE).



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (SIM. ALL SECTORS)

SCALE : N.T.S.

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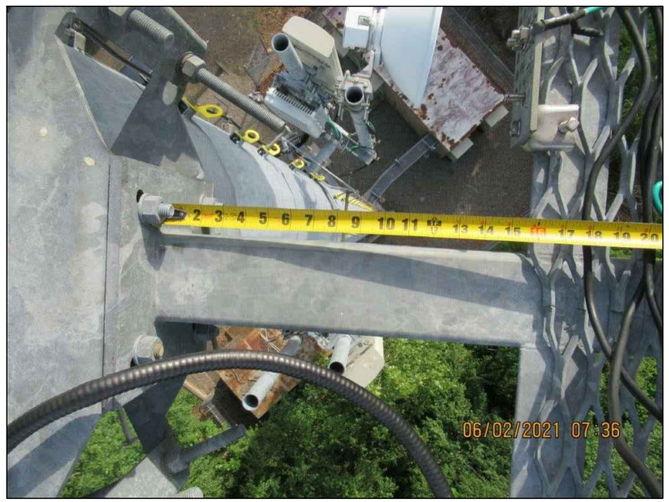
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2



MOUNT PHOTO 3

MOUNT PHOTO 4

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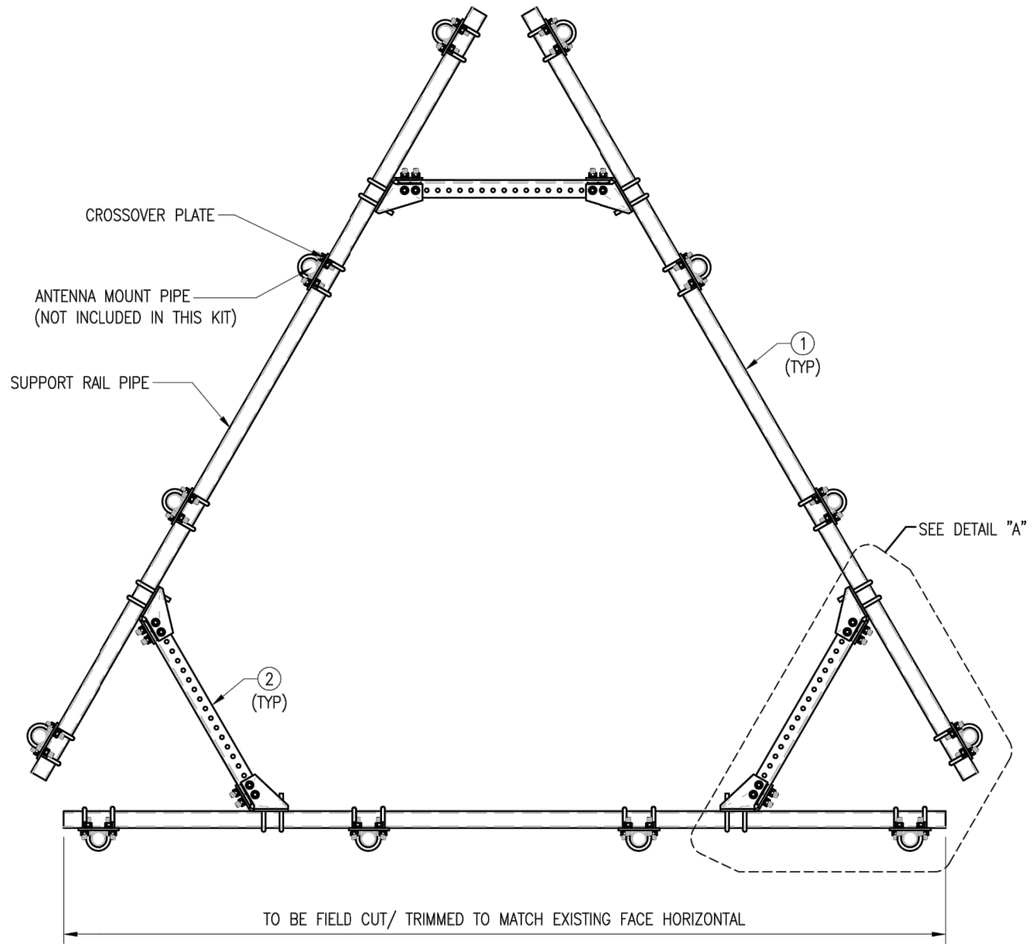
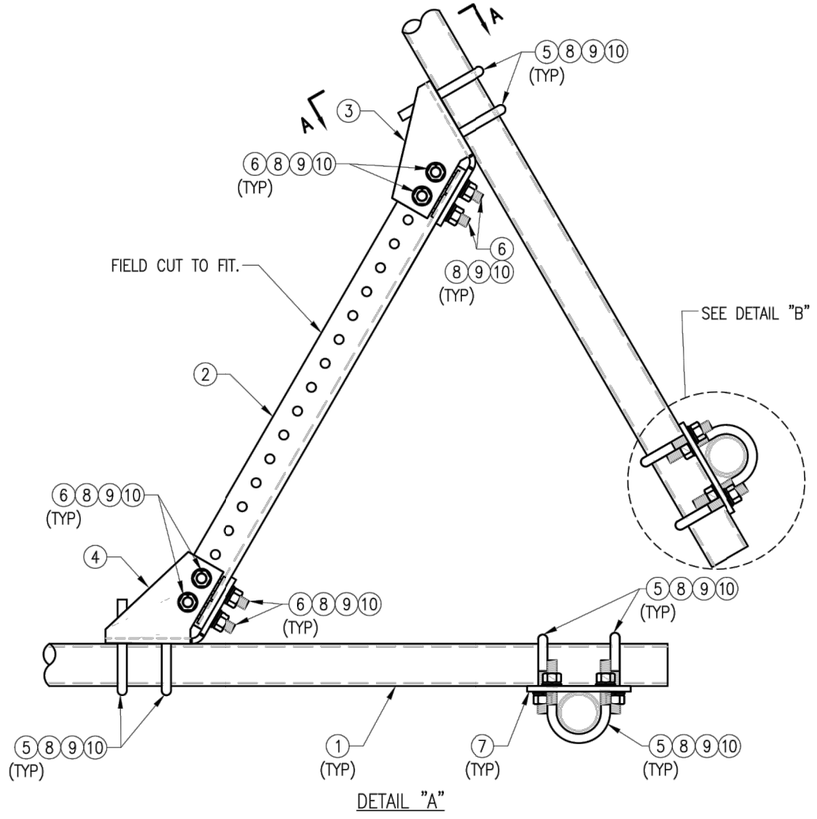
SHEET TITLE: MOUNT PHOTOS

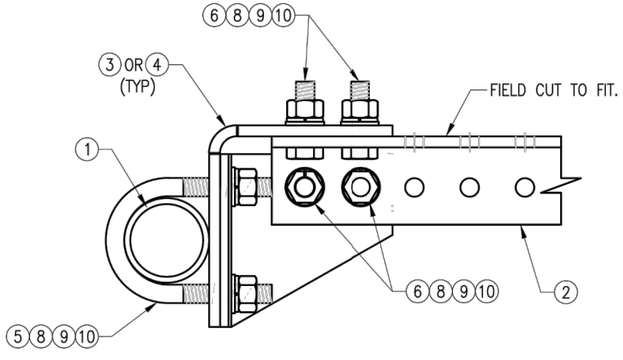
SHEET NUMBER: SS-2



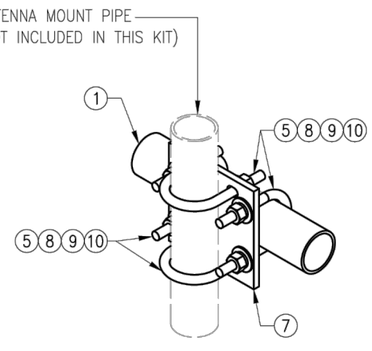
PLAN VIEW



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

VzW
SMART Tool©
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DRAWN BY: H.R | CHECKED BY: HMA

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

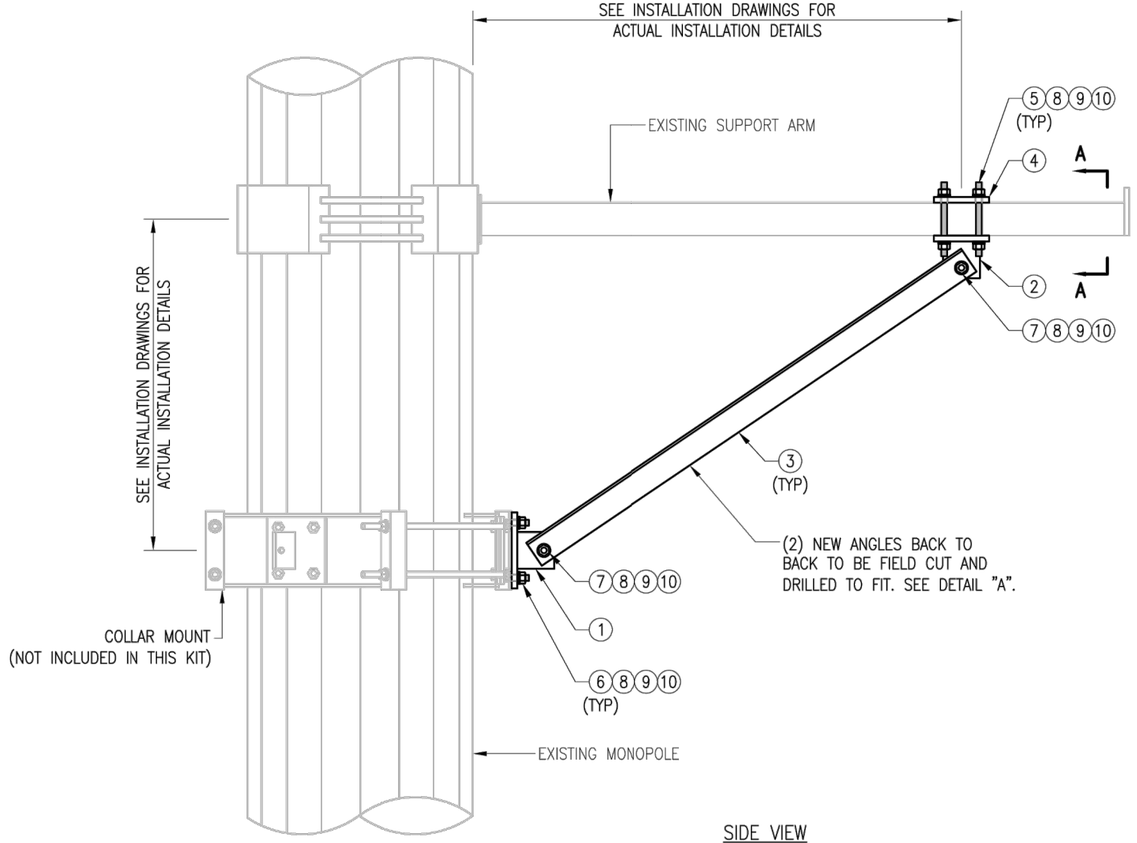
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

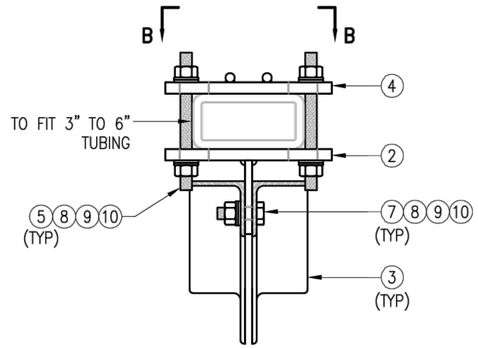
SHEET NUMBER: VZWSMART-PLK1

REV #: 0

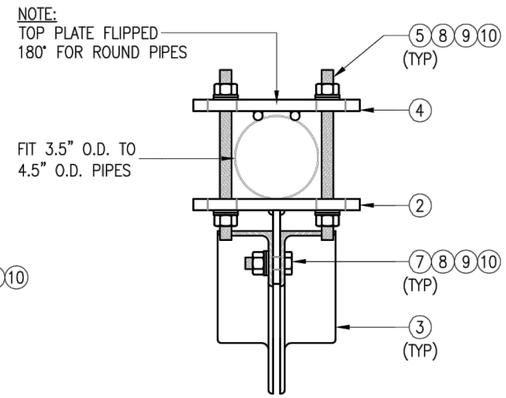
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



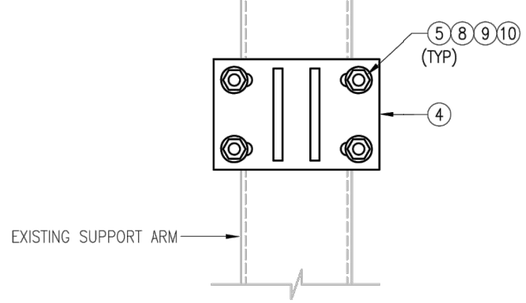
SIDE VIEW
KICKER KIT



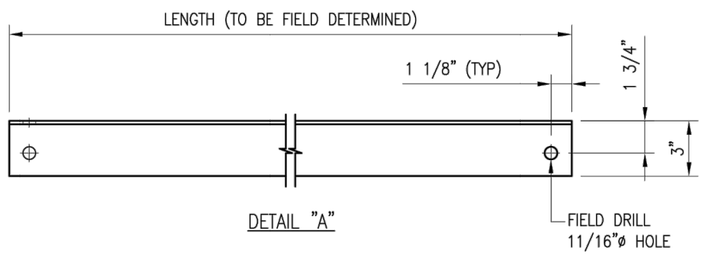
SECTION "A–A"
RECT. HSS MOUNTING



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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Vendor

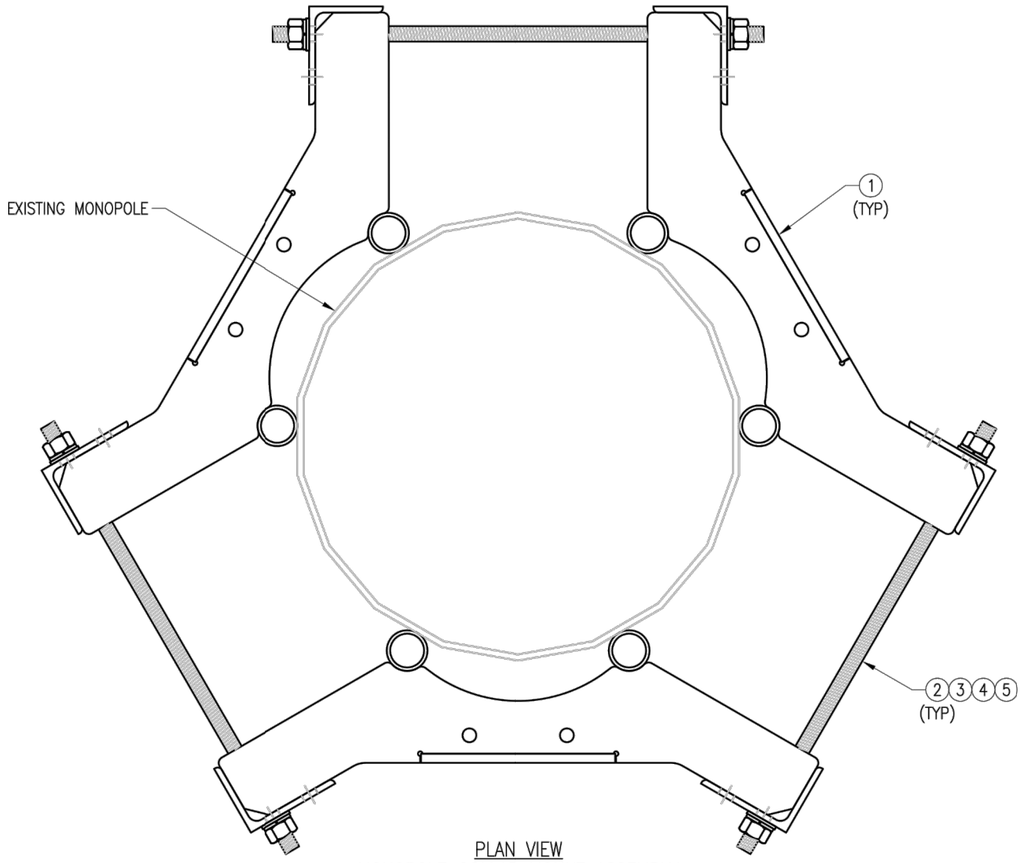
verizon

DRAWN BY: MN | CHECKED BY: HMA/KW

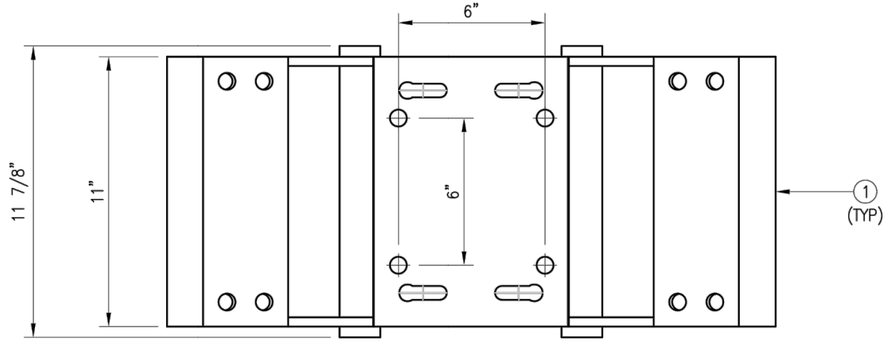
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0



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

VzW
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Vendor

verizon

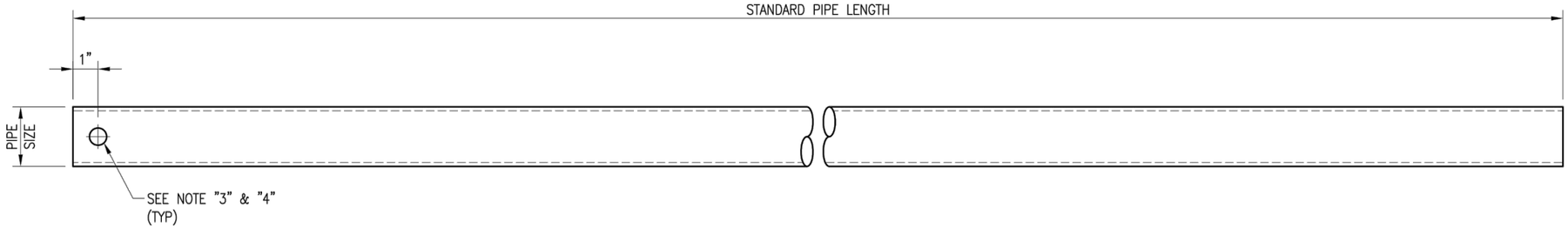
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53–B OR BETTER.
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

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DRAWN BY: BT | CHECKED BY: HMA/KW

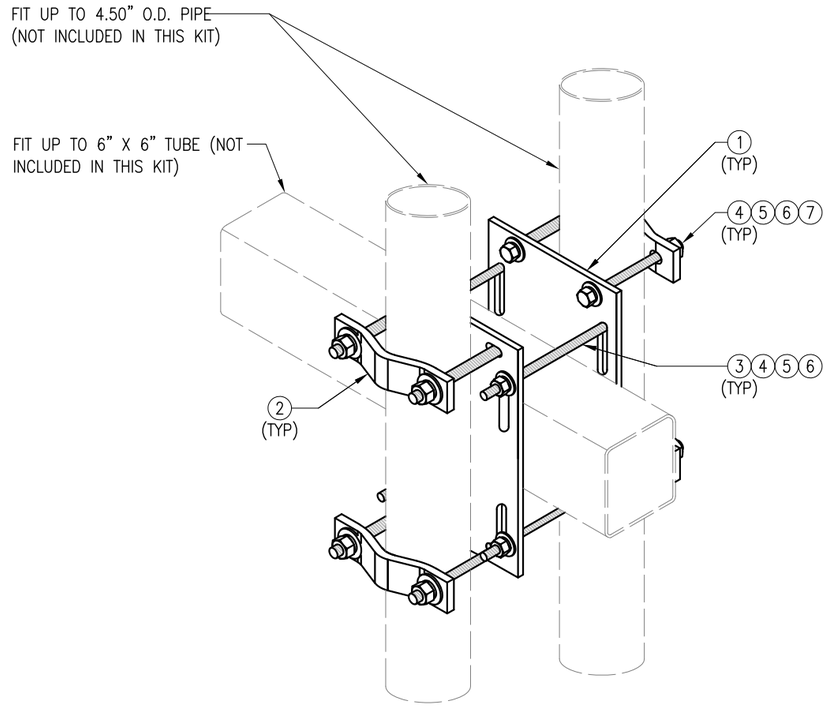
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

SHEET TITLE:

VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART–PIPE

REV #: 0



ISOMETRIC VIEW
BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PL375-8512	PL 3/8" X 8 1/2" X 1'-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	---
4	16	NUT-625	5/8" HDG HEX NUT	---	2
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD	---	1
				GALVANIZED WT	34

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

VzW SMART Tool© Vendor

verizon

DRAWN BY: SK | CHECKED BY: BT/KW

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

SHEET TITLE:
VZWSMART-MSK6
BACK TO BACK
CROSSOVER

SHEET NUMBER: VZWSMART-MSK6

REV #: 0

Structure: 468541-VZW - WESTVILLE WEST CT

Sector: **A**

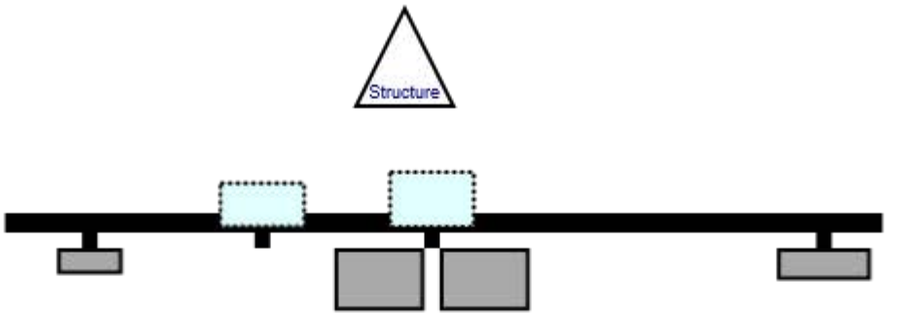
Structure Type: Monopole

Mount Elev: 88.50

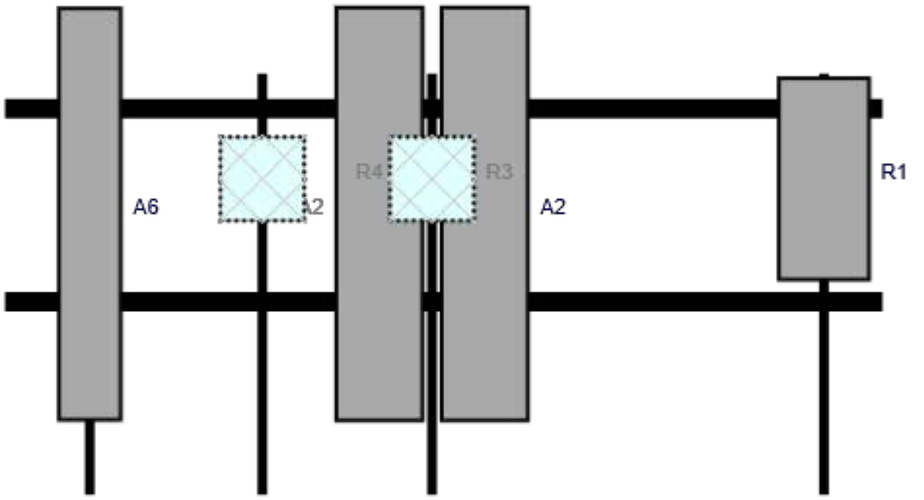
10145609

4/25/2022

Plan View



Front View - Looking at Structure



4 3 2 1

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
R1	MT6407-77A	35.1	16.1	140	1	a	Front	18	0	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	a	Front	24	-9	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	b	Front	24	9	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	73	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	44	3	a	Behind	18	0	Added	
A6	BXA-70063/6CF_	71	11.2	14.5	4	a	Front	24	0	Retained	06/02/2021
OVP	RVZDC-6627-PF-48	29.5	16.5		Memb					Added	

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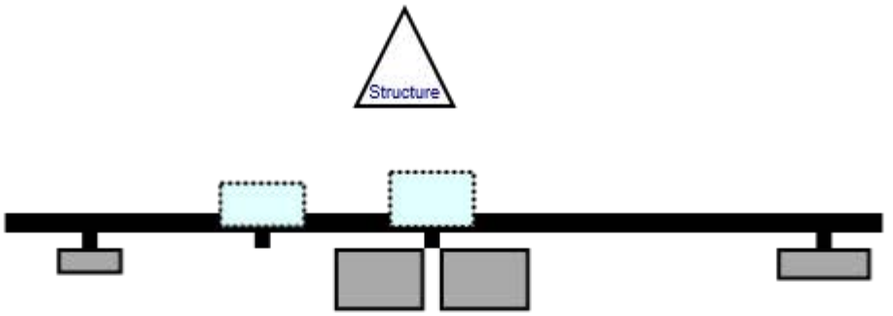
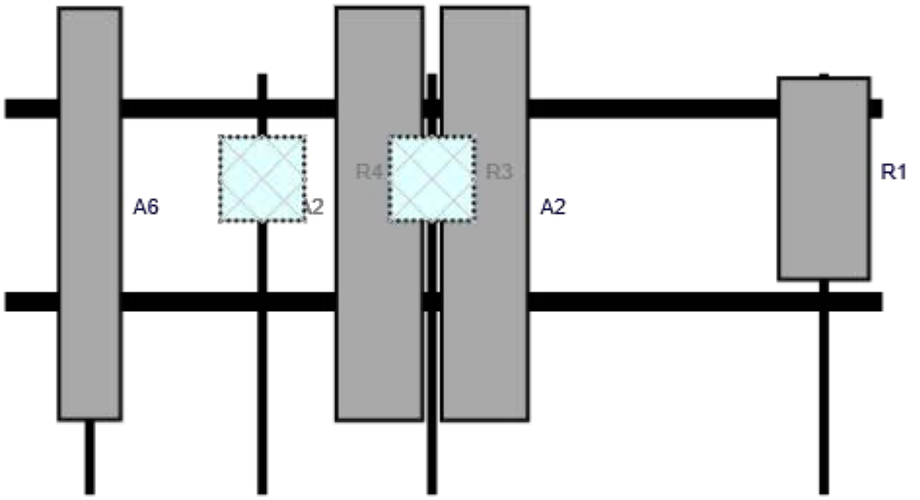
Plan View



Front View - Looking at Structure



4 3 2 1

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
R1	MT6407-77A	35.1	16.1	140	1	a	Front	18	0	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	a	Front	24	-9	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	b	Front	24	9	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	73	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	44	3	a	Behind	18	0	Added	
A6	BXA-70063/6CF_	71	11.2	14.5	4	a	Front	24	0	Retained	06/02/2021

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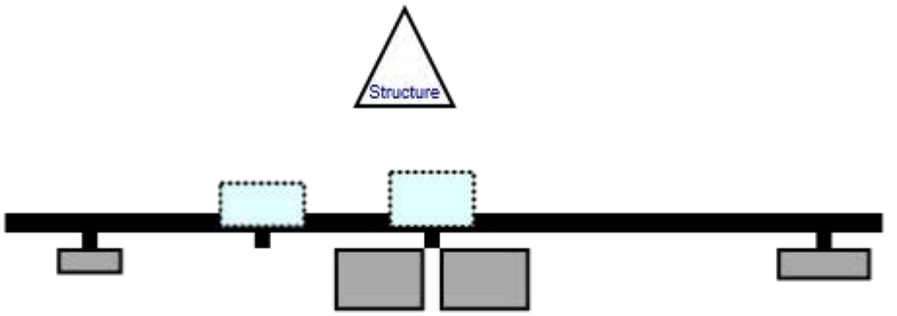
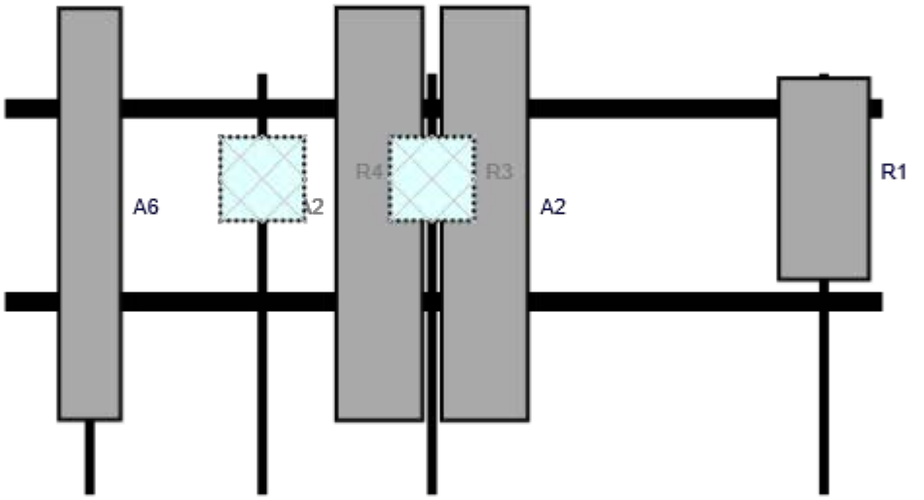
Plan View



Front View - Looking at Structure



4 3 2 1

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
R1	MT6407-77A	35.1	16.1	140	1	a	Front	18	0	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	a	Front	24	-9	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	b	Front	24	9	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	73	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	44	3	a	Behind	18	0	Added	
A6	BXA-70063/6CF_	71	11.2	14.5	4	a	Front	24	0	Retained	06/02/2021

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06/02/2021 07:58


06/02/2021 07:45

V4.0 Updated on 3-31-2021

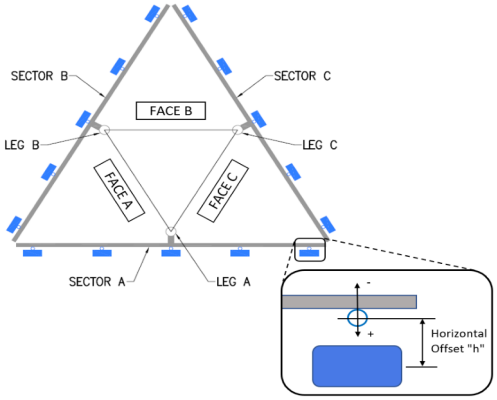
Antenna Mount Mapping Form (PATENT PENDING)

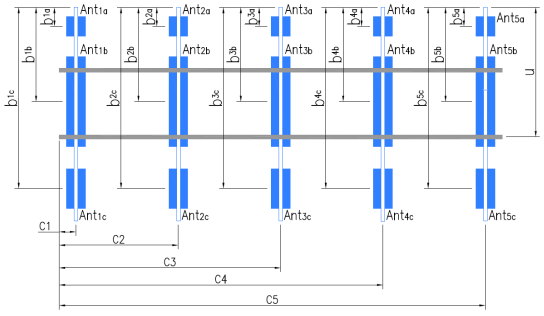
FCC #	

Tower Owner:	AT&T	**Mapping Date:**	6/2/2021
Site Name:	WESTVILLE WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468541	**Tower Height (Ft.):**	100
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	90.75

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

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	39.00	11.00	C1	2" STD. PIPE X 72" LONG	39.00	11.00
A2	2" STD. PIPE X 72" LONG	39.00	75.00	C2	2" STD. PIPE X 72" LONG	39.00	75.00
A3	2" STD. PIPE X 72" LONG	39.00	114.00	C3	2" STD. PIPE X 72" LONG	39.00	114.00
A4	2" STD. PIPE X 72" LONG	39.00	138.00	C4	2" STD. PIPE X 72" LONG	39.00	138.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	39.00	11.00	D1			
B2	2" STD. PIPE X 72" LONG	39.00	75.00	D2			
B3	2" STD. PIPE X 72" LONG	39.00	114.00	D3			
B4	2" STD. PIPE X 72" LONG	39.00	138.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	2.58
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	5.33
Please enter additional infomation or comments below.	

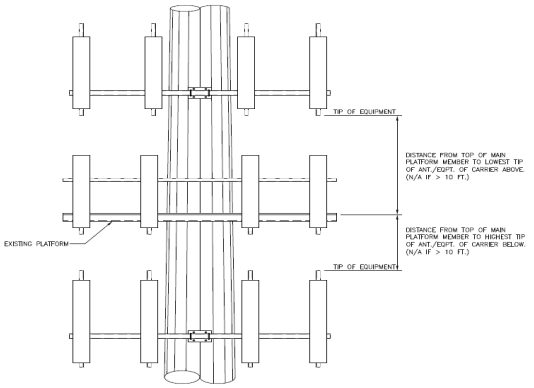
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	34.375
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

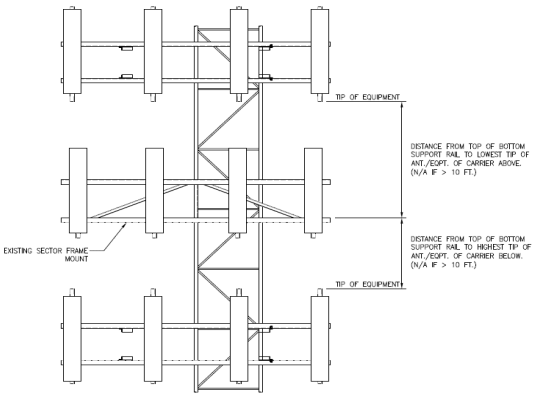
	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	9442 RRH2X40-AWS	12.00	8.00	25.00		92.6667	16.00	-7.00		44,48
Ant_{1b}	BXA-171063-8BF	6.00	4.00	48.00		91.8333	26.00	7.00	340.00	43,77
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA70063/6CF	11.00	5.50	71.00		91	36.00	11.00	340.00	45,49
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF	6.00	4.00	48.00		91.8333	26.00	7.00	340.00	46,50
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF	11.00	5.50	48.00		91.8333	26.00	10.00	340.00	47,79
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	340.00	Deg	Leg A:		Deg
Sector B:	100.00	Deg	Leg B:		Deg
Sector C:	220.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

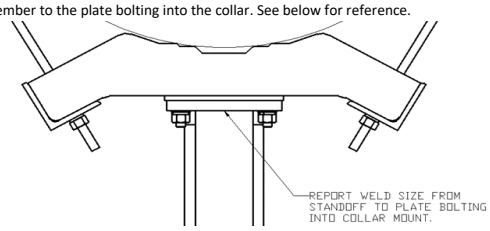
Climbing Facility Information			
Location:	160.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Missing safety cable.

Please insert a photo of the mount centerline measurement here.





For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	9442 RRH2X40-AWS	12.00	8.00	25.00		92.6667	16.00	-7.00		44,51
Ant_{1b}	BXA-171063-8BF	6.00	4.00	48.00		91.8333	26.00	7.00	100.00	43,82
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA70063/6CF	11.00	5.50	71.00		91	36.00	11.00	100.00	45,52
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF	6.00	4.00	48.00		91.8333	26.00	7.00	100.00	46,53
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF	11.00	5.50	48.00		91.8333	26.00	14.00	100.00	47,84
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	9442 RRH2X40-AWS	12.00	8.00	25.00		92.6667	16.00	-7.00		44,54
Ant_{1b}	BXA-171063-8BF	6.00	4.00	48.00		91.8333	26.00	7.00	220.00	43,87
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA70063/6CF	11.00	5.50	71.00		91	36.00	11.00	220.00	45,55
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF	6.00	4.00	48.00		91.8333	26.00	7.00	220.00	46,55
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF	11.00	5.50	48.00		91.8333	26.00	10.00	220.00	47,89
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.00	10.00	28.00			71.00	9.00		38-40
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	PLASTIC COVERING ON RADIO 9442 @ BETA POS. 1 SEEMS TO BE DETACHING	51
2	NO SAFETY CABLE PRESENT, REPLACED BY STEP BOLT ANCHOR BRACKETS	86
3		
4		
5		
6		
7		
8		

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

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

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

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	AT&T	**Mapping Date:**	6/2/2021
Site Name:	WESTVILLE WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468541	**Tower Height (Ft.):**	100
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	90.75

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

Please Insert Sketches of the Antenna Mount

6/8/2021

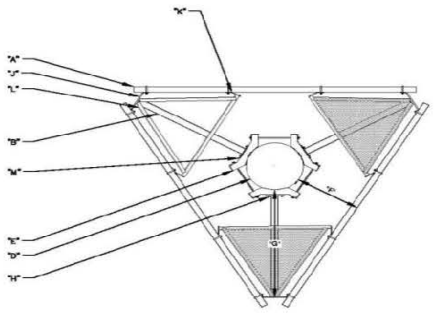
HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

MOUNT MAPPING CHECKLIST

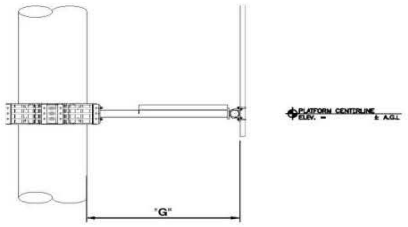
CARRIER:	COLLIER	SITE #:	Westville West CT	SITE NAME:	
DATE:	6/2/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	
SIZE		3-1/2"
LENGTH		12'6"
B: STAND OFF SIZE	☐	4"x 4"x 62.5"
C: ANTENNA PIPE MAST	☐	1/8"
DIA.		2-3/8"
LENGTH		72"
D: MONOPOLE DIA.	☐	34-3/8"
E: RINGMOUNT	☐	10-3/4"x 3/8"
F: TOWER TO FACE	☐	35"
G: TOWER TO APEX	☐	69"
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x 12.5"x 5.5"x 3/8"
K: B PLATE	☐	6"x 5"x 3-1/2"x 3/8"
L: ANGLE	☐	2"X2"X3/16"
M: MOUNTING PLATE	☐	10"x 10"x 1/2"
N: ALPHA POS 1	☐	BXA-171063-8BF
ALPHA POS 2	☐	BXA70063/6CF
ALPHA POS 3	☐	BXA-171063-8CF
ALPHA POS 4	☐	BXA-80063-4BF
ALPHA POS 5		
O: BETA POS 1	☐	
BETA POS 2	☐	
BETA POS 3	☐	
BETA POS 4	☐	
BETA POS 5		
P: GAMMA POS 1	☐	
GAMMA POS 2	☐	
GAMMA POS 3	☐	
GAMMA POS 4	☐	
GAMMA POS 5		
Q: TMA	☐	none
R: RADIOS	☐	(3) 9442
S: SURGE	☐	(1) OVP banded to towe
T: SECOND MOUNT	☐	
COMMENTS:		

Legend



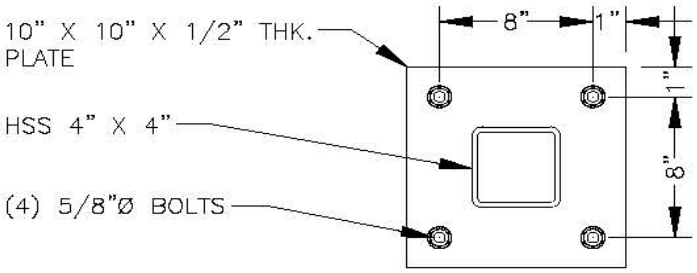
PLAN



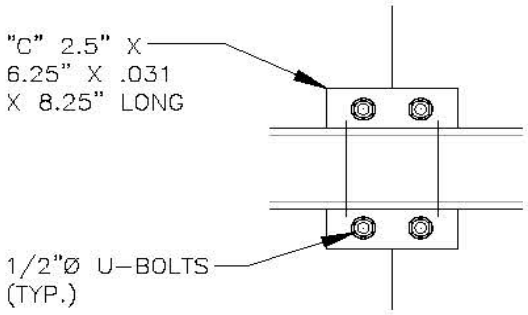
ELEVATION

FACE SKETCH

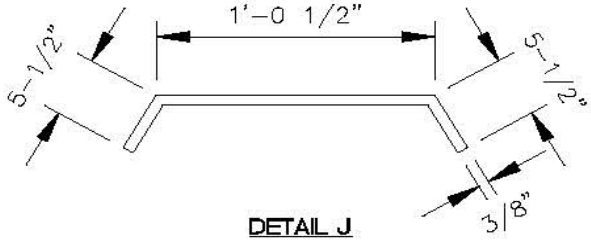
Please Insert Sketches of the Antenna Mount, cont'd



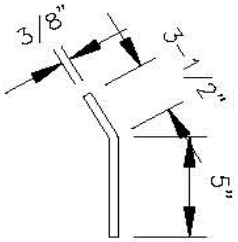
DETAIL M
MOUNTING PLATE



CROSSOVER PLATE DETAIL



DETAIL J
APEX "A" PLATE DETAIL



DETAIL K
"B" PLATE DETAIL

Exhibit D

Structural Analysis Report

Date: **March 03, 2022**

Crown Castle
2000 Corporate Drive
Canonsburg. PA 15317
(724) 416-2000

Subject:	**Structural Analysis Report**	
Carrier Designation:	***AT&T Mobility* Co-Locate**	
	Site Number:	CTL05163
	Site Name:	WOODBRIDGE COUNTRY CLUB
	FA Number:	10071344
Crown Castle Designation:	**BU Number:**	842879
	Site Name:	WOODBRIDGE COUNTRY CLUB
	JDE Job Number:	686241
	Work Order Number:	2061495
	Order Number:	586276 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number:**	2061495
Site Data:	**50 WOODFIELD ROAD, WOODBRIDGE, NEW HAVEN County, CT**	
	Latitude *41° 19' 39.5"*, Longitude *-72° 59' 36.84"*	
	102 Foot - Monopole Tower	

Crown Castle is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

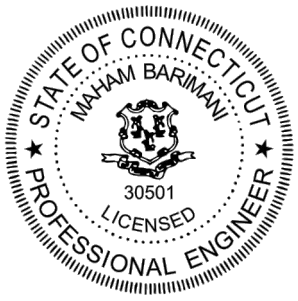
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity-29.4%**

This analysis utilizes an ultimate 3-second gust wind speed of 119 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - ''Analysis Criteria''.

Structural analysis prepared by: Kibreab Gebremariam

Respectfully submitted by:



Maham Barimani, P.E.
Senior Project Engineer

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 102 ft Monopole tower designed by EEI.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	119 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 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)
98.0	102.0	3	ericsson	RRUS 4449 B5/B12	2 2 3 6	3/8 13/16 7/8 1-5/8
		3	ericsson	RRUS 4478 B14_CCIV2		
		3	ericsson	RRUS 8843 B2/B66A_CCIV2		
		1	raycap	DC6-48-60-18-8F		
		1	raycap	DC9-48-60-24-8C-EV		
	101.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	ericsson	AIR 6419 B77G_CCIV3 w/ Mount Pipe		
	98.0	1	Sabre	part # C10-857-802 C10857001C		
	97.0	3	ericsson	AIR 6449 B77D w/ Mount Pipe		

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)
90.0	90.0	3	alcatel lucent	RRH2X40-AWS	13	1-5/8
		3	antel	BXA-171063-8BF-2 w/ Mount Pipe		
		3	antel	BXA-171063/8CF w/ Mount Pipe		
		3	antel	BXA-70063/6CF w/ Mount Pipe		
		3	antel	BXA-80063/4CF w/ Mount Pipe		
		1	rfs celwave	DB-T1-6Z-8AB-0Z		
		1	tower mounts	Platform Mount [LP 303-1]		
80.0	83.0	1	dragonwave	A-ANT-18G-2-C	4 5	5/16 1/2
		1	dragonwave	A-ANT-18G-2-C		
		2	dragonwave	HORIZON DUO		
	80.0	3	argus technologies	LLPX310R w/ Mount Pipe		
		3	samsung	URAS-FLEXIBLE		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
			telecommunications			
		1	tower mounts	Side Arm Mount [SO 102-3]		
67.0	67.0	3	fujitsu	TA08025-B604	1	1-3/8
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4529495	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	7160639	CCISITES
4-TOWER MANUFACTURER DRAWINGS	7160648	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	102 - 86.58	Pole	TP34.3925x29.58x0.3125	1	-5.55	1984.45	3.4	Pass
L2	86.58 - 42.7433	Pole	TP47.4475x32.2591x0.375	2	-21.19	3293.22	17.2	Pass
L3	42.7433 - 0	Pole	TP60x44.669x0.375	3	-36.76	4359.25	28.4	Pass
							Summary	
						Pole (L3)	28.4	Pass
						Rating =	28.4	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	22.9	Pass
1	Base Plate	0	29.4	Pass
1	Base Foundation (Structure)	0	28.3	Pass
1	Base Foundation (Soil Interaction)	0	29.3	Pass

Structure Rating (max from all components) =	29.4%

Notes:
1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

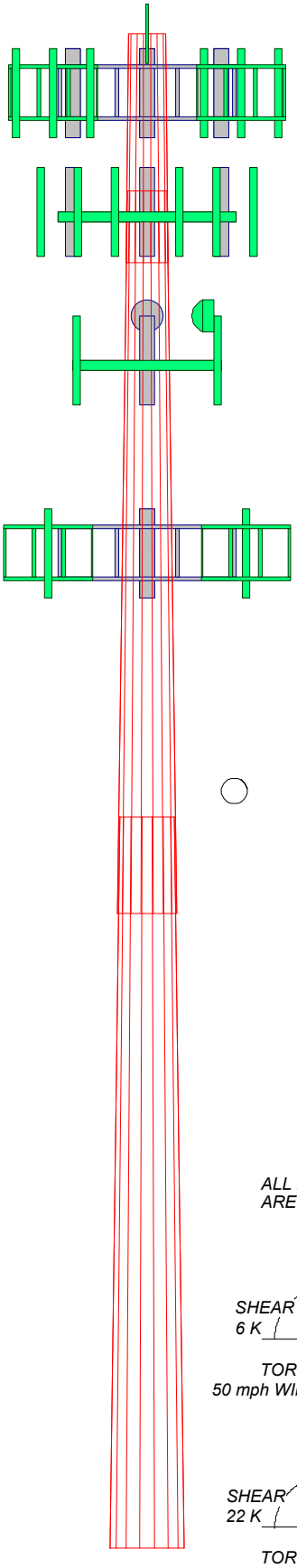
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	15.42	18	0.3125	4.83	29.5800	34.3925		1.6
2	48.67	18	0.3750	6.50	32.2591	47.4475	A572-65	7.8
3	49.24	18	0.3750		44.6690	60.0000		10.4
								19.8



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	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 119 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: 28.4%

ALL REACTIONS ARE FACTORED

AXIAL 50 K
SHEAR 6 K
MOMENT 426 kip-ft
TORQUE 0 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 37 K
SHEAR 22 K
MOMENT 1572 kip-ft
TORQUE 1 kip-ft
REACTIONS - 119 mph WIND

CROWN CASTLE
The pathway to Possible
Crown Castle
2000 Corporate Drive
Canonsburg. PA 15317
Phone: (724) 416-2000
FAX:

Job: *BU 842879*			
Project:			
Client: Crown Castle	Drawn by: KGebremariam		App'd:
Code: TIA-222-H	Date: 03/03/22		Scale: NTS
Path: C:\Users\KGebremariam\Desktop\Work Area\842879\WO 2061495 - SA\Prod\842879.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: 360.00 ft.
- Basic wind speed of 119 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		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Diagonals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification	√	Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
√	Use Code Stress Ratios		Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Safety Factors - Guys		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
	Secondary Horizontal Braces Leg	√	Sort Capacity Reports By Component	√	Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known

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	102.00-86.58	15.42	4.83	18	29.5800	34.3925	0.3125	1.2500	A572-65 (65 ksi)
L2	86.58-42.74	48.67	6.50	18	32.2591	47.4475	0.3750	1.5000	A572-65 (65 ksi)
L3	42.74-0.00	49.24		18	44.6690	60.0000	0.3750	1.5000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	29.9881	29.0297	3141.6028	10.3900	15.0266	209.0689	6287.3394	14.5176	4.6561	14.899
	34.8749	33.8031	4960.1311	12.0984	17.4714	283.9002	9926.7888	16.9048	5.5031	17.61
L2	34.2304	37.9500	4874.1199	11.3188	16.3876	297.4273	9754.6533	18.9786	5.0176	13.38
	48.1216	56.0280	15684.7439	16.7107	24.1033	650.7293	31390.1262	28.0193	7.6908	20.509
L3	47.3552	52.7210	13068.0765	15.7244	22.6919	575.8923	26153.3483	26.3655	7.2018	19.205
	60.8677	70.9687	31875.7797	21.1669	30.4800	1045.7933	63793.5023	35.4911	9.9000	26.4

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 102.00-86.58				1	1	1			
L2 86.58-42.74				1	1	1			
L3 42.74-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
* ***										
CU12PSM9P8XXX(1-3/8) *** ** *	C	No	Surface Ar (CaAa)	67.00 - 0.00	1	1	0.500 0.500	1.4110		1.66

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
* ***98***									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	98.00 - 0.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.82 0.82 0.82

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	98.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	98.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	98.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG66ST-BRD(7/8)	A	No	No	Inside Pole	98.00 - 0.00	3	No Ice	0.00	0.91
							1/2" Ice	0.00	0.91
							1" Ice	0.00	0.91
90									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	90.00 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	C	No	No	Inside Pole	90.00 - 0.00	1	No Ice	0.00	1.07
							1/2" Ice	0.00	1.07
							1" Ice	0.00	1.07
80									
LDF4-50A(1/2)	B	No	No	Inside Pole	80.00 - 0.00	5	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
9207(5/16)	B	No	No	Inside Pole	80.00 - 0.00	4	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
2" Flex Conduit	B	No	No	Inside Pole	80.00 - 0.00	2	No Ice	0.00	0.36
							1/2" Ice	0.00	0.36
							1" Ice	0.00	0.36
75									
***									
***									
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*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	102.00-86.58	A	0.000	0.000	0.000	0.000	0.10
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.04
L2	86.58-42.74	A	0.000	0.000	0.000	0.000	0.39
		B	0.000	0.000	0.000	0.000	0.14
		C	0.000	0.000	3.423	0.000	0.52
L3	42.74-0.00	A	0.000	0.000	0.000	0.000	0.38
		B	0.000	0.000	0.000	0.000	0.17
		C	0.000	0.000	6.031	0.000	0.54

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	102.00-86.58	A	0.944	0.000	0.000	0.000	0.000	0.10
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.04
L2	86.58-42.74	A	0.908	0.000	0.000	0.000	0.000	0.39
		B		0.000	0.000	0.000	0.000	0.14

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	8.002	0.000	0.58
L3	42.74-0.00	A	0.814	0.000	0.000	0.000	0.000	0.38
		B		0.000	0.000	0.000	0.000	0.17
		C		0.000	0.000	13.793	0.000	0.65

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	102.00-86.58	0.0000	0.0000	0.0000	0.0000
L2	86.58-42.74	-0.5900	0.3406	-0.7949	0.4590
L3	42.74-0.00	-0.9746	0.5627	-1.2976	0.7492

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L2	23	CU12PSM9P8XXX(1-3/8)	42.74 - 67.00	1.0000	1.0000
L3	23	CU12PSM9P8XXX(1-3/8)	0.00 - 42.74	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft
Lighting Rod 5/8" x 4' ***98***	C	None		0.0000	102.00
AIR 6419 B77G_CCIV3 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	98.00
AIR 6419 B77G_CCIV3 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	98.00
AIR 6419 B77G_CCIV3 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	98.00
AIR 6449 B77D w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	98.00
AIR 6449 B77D w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	98.00

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert* *ft* *ft* *ft*	*Azimuth Adjustment* °	*Placement* *ft*
AIR 6449 B77D w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	98.00
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	98.00
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	98.00
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	98.00
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	98.00
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	98.00
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	98.00
RRUS 4449 B5/B12	A	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 4449 B5/B12	B	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 4449 B5/B12	C	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 4478 B14_CCIV2	A	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 4478 B14_CCIV2	B	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 4478 B14_CCIV2	C	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 8843 B2/B66A_CCIV2	A	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 8843 B2/B66A_CCIV2	B	From Leg	4.00 0.00 4.00	0.0000	98.00
RRUS 8843 B2/B66A_CCIV2	C	From Leg	4.00 0.00 4.00	0.0000	98.00
DC6-48-60-18-8F	B	From Leg	4.00 0.00 4.00	0.0000	98.00
DC9-48-60-24-8C-EV	B	From Leg	4.00 0.00 4.00	0.0000	98.00
Sabre part # C10-857-802 C10857001C	C	None		0.0000	98.00
6' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	98.00
6' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	98.00
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	98.00

90

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
RRH2X40-AWS	A	From Leg	4.00 0.00 0.00	0.0000	90.00
RRH2X40-AWS	B	From Leg	4.00 0.00 0.00	0.0000	90.00
RRH2X40-AWS	C	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-171063-8BF-2 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-171063-8BF-2 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-171063-8BF-2 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-171063/8CF w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-171063/8CF w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-171063/8CF w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-80063/4CF w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-80063/4CF w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-80063/4CF w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-70063/6CF w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-70063/6CF w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	90.00
BXA-70063/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	90.00
DB-T1-6Z-8AB-0Z	A	From Leg	4.00 0.00 0.00	0.0000	90.00
Platform Mount [LP 303-1]	C	None		0.0000	90.00
80					
LLPX310R w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	80.00
LLPX310R w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	80.00
LLPX310R w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	80.00
HORIZON DUO	A	From Leg	4.00 0.00 3.00	0.0000	80.00
HORIZON DUO	B	From Leg	4.00 0.00 3.00	0.0000	80.00

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert* *ft* *ft* *ft*	*Azimuth Adjustment* °	*Placement* *ft*
URAS-FLEXIBLE	A	From Leg	4.00 0.00 0.00	0.0000	80.00
URAS-FLEXIBLE	B	From Leg	4.00 0.00 0.00	0.0000	80.00
URAS-FLEXIBLE	C	From Leg	4.00 0.00 0.00	0.0000	80.00
Side Arm Mount [SO 102-3]	C	None		0.0000	80.00
6' x 2" Mount Pipe	A	From Leg	2.00 0.00 0.00	0.0000	80.00
6' x 2" Mount Pipe	B	From Leg	2.00 0.00 0.00	0.0000	80.00
6' x 2" Mount Pipe	C	From Leg	2.00 0.00 0.00	0.0000	80.00
75 ***					
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	67.00
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	67.00
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B604	A	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B604	B	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B605	B	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	67.00
RDIDC-9181-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	67.00
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	67.00
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	67.00
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	67.00
Commscope MC-PK8-DSH ***** ***** ***	C	None		0.0000	67.00

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral / Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter
				ft	°	°	ft	ft
dragonwave A-ANT-18G-2-C	A	Paraboloid w/Shroud (HP)	From Leg	2.00 0.00 3.00	0.0000		80.00	2.17
A-ANT-18G-2-C	B	Paraboloid w/Shroud (HP)	From Leg	2.00 0.00 3.00	0.0000		80.00	2.17

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service

Comb. No.	Description
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	102 - 86.58	Pole	Max Tension	26	0.00	0.00	0.00
			Max. Compression	26	-9.36	-0.65	-0.37
			Max. Mx	8	-5.55	-50.58	-0.15
			Max. My	14	-5.55	-0.27	-50.47
			Max. Vy	20	-6.24	50.03	-0.15
			Max. Vx	14	6.24	-0.27	-50.47
			Max. Torque	5			-0.51
L2	86.58 - 42.7433	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.63	-1.70	1.07
			Max. Mx	20	-21.19	592.65	3.16
			Max. My	14	-21.19	-2.70	-598.74
			Max. Vy	20	-17.01	592.65	3.16
			Max. Vx	14	17.18	-2.70	-598.74
			Max. Torque	23			-0.86
L3	42.7433 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.11	-1.70	0.59
			Max. Mx	20	-36.76	1557.73	7.17
			Max. My	14	-36.76	-6.01	-1572.40
			Max. Vy	20	-22.10	1557.73	7.17
			Max. Vx	14	22.27	-6.01	-1572.40
			Max. Torque	23			-0.86

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	50.11	0.00	0.00
	Max. H_x	21	27.57	22.09	0.08
	Max. H_z	2	36.76	0.10	22.22
	Max. M_x	2	1569.91	0.10	22.22
	Max. M_z	8	1555.23	-22.05	-0.04
	Max. Torsion	13	0.85	-11.06	-19.29
	Min. Vert	7	27.57	-19.08	11.08
	Min. H_x	8	36.76	-22.05	-0.04
	Min. H_z	14	36.76	-0.07	-22.26
	Min. M_x	14	-1572.40	-0.07	-22.26
	Min. M_z	20	-1557.73	22.09	0.08
	Min. Torsion	23	-0.86	19.13	11.19

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	30.64	0.00	0.00	-0.03	-0.35	0.00

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 0 deg - No Ice	36.76	-0.10	-22.22	-1569.91	8.36	0.69
0.9 Dead+1.0 Wind 0 deg - No Ice	27.57	-0.10	-22.22	-1565.50	8.45	0.69
1.2 Dead+1.0 Wind 30 deg - No Ice	36.76	10.99	-19.23	-1357.85	-775.10	0.49
0.9 Dead+1.0 Wind 30 deg - No Ice	27.57	10.99	-19.23	-1354.03	-772.82	0.49
1.2 Dead+1.0 Wind 60 deg - No Ice	36.76	19.08	-11.08	-782.51	-1345.96	-0.10
0.9 Dead+1.0 Wind 60 deg - No Ice	27.57	19.08	-11.08	-780.30	-1342.08	-0.10
1.2 Dead+1.0 Wind 90 deg - No Ice	36.76	22.05	0.04	3.11	-1555.23	-0.66
0.9 Dead+1.0 Wind 90 deg - No Ice	27.57	22.05	0.04	3.11	-1550.76	-0.66
1.2 Dead+1.0 Wind 120 deg - No Ice	36.76	19.08	11.20	792.51	-1345.84	-0.78
0.9 Dead+1.0 Wind 120 deg - No Ice	27.57	19.08	11.20	790.30	-1341.96	-0.79
1.2 Dead+1.0 Wind 150 deg - No Ice	36.76	11.06	19.29	1363.37	-780.78	-0.85
0.9 Dead+1.0 Wind 150 deg - No Ice	27.57	11.06	19.29	1359.55	-778.48	-0.85
1.2 Dead+1.0 Wind 180 deg - No Ice	36.76	0.07	22.26	1572.40	-6.01	-0.77
0.9 Dead+1.0 Wind 180 deg - No Ice	27.57	0.07	22.26	1568.00	-5.88	-0.77
1.2 Dead+1.0 Wind 210 deg - No Ice	36.76	-10.97	19.28	1362.68	772.47	-0.49
0.9 Dead+1.0 Wind 210 deg - No Ice	27.57	-10.97	19.28	1358.87	770.42	-0.49
1.2 Dead+1.0 Wind 240 deg - No Ice	36.76	-19.10	11.09	783.19	1346.42	0.10
0.9 Dead+1.0 Wind 240 deg - No Ice	27.57	-19.10	11.09	781.00	1342.75	0.10
1.2 Dead+1.0 Wind 270 deg - No Ice	36.76	-22.09	-0.08	-7.17	1557.73	0.66
0.9 Dead+1.0 Wind 270 deg - No Ice	27.57	-22.09	-0.08	-7.14	1553.47	0.66
1.2 Dead+1.0 Wind 300 deg - No Ice	36.76	-19.13	-11.19	-791.09	1348.81	0.86
0.9 Dead+1.0 Wind 300 deg - No Ice	27.57	-19.13	-11.19	-788.86	1345.13	0.86
1.2 Dead+1.0 Wind 330 deg - No Ice	36.76	-11.08	-19.28	-1362.42	781.70	0.85
0.9 Dead+1.0 Wind 330 deg - No Ice	27.57	-11.08	-19.28	-1358.58	779.62	0.85
1.2 Dead+1.0 Ice+1.0 Temp	50.11	0.00	0.00	-0.59	-1.70	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	50.11	-0.02	-6.20	-425.88	0.04	0.19
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	50.11	3.08	-5.37	-368.55	-212.38	0.15
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	50.11	5.34	-3.09	-212.75	-367.34	0.02
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	50.11	6.17	0.01	0.02	-424.12	-0.11
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	50.11	5.34	3.12	213.56	-367.31	-0.17
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	50.11	3.09	5.38	368.45	-213.54	-0.20
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	50.11	0.01	6.21	425.16	-2.89	-0.20
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	50.11	-3.07	5.38	368.30	208.52	-0.15
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	50.11	-5.34	3.10	211.66	364.10	-0.02
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	50.11	-6.17	-0.02	-2.07	421.30	0.11

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	50.11	-5.35	-3.11	-214.49	364.59	0.18
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	50.11	-3.09	-5.38	-369.48	210.40	0.20
Dead+Wind 0 deg - Service	30.64	-0.03	-5.32	-375.55	1.74	0.18
Dead+Wind 30 deg - Service	30.64	2.63	-4.61	-324.83	-185.67	0.13
Dead+Wind 60 deg - Service	30.64	4.57	-2.66	-187.20	-322.22	-0.01
Dead+Wind 90 deg - Service	30.64	5.28	0.01	0.72	-372.28	-0.15
Dead+Wind 120 deg - Service	30.64	4.57	2.68	189.55	-322.19	-0.19
Dead+Wind 150 deg - Service	30.64	2.65	4.62	326.10	-187.02	-0.21
Dead+Wind 180 deg - Service	30.64	0.02	5.33	376.10	-1.69	-0.20
Dead+Wind 210 deg - Service	30.64	-2.63	4.62	325.94	184.53	-0.14
Dead+Wind 240 deg - Service	30.64	-4.58	2.66	187.32	321.82	0.01
Dead+Wind 270 deg - Service	30.64	-5.29	-0.02	-1.74	372.36	0.15
Dead+Wind 300 deg - Service	30.64	-4.58	-2.68	-189.25	322.39	0.21
Dead+Wind 330 deg - Service	30.64	-2.65	-4.62	-325.92	186.73	0.21

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-30.64	0.00	0.00	30.64	0.00	0.000%
2	-0.10	-36.76	-22.22	0.10	36.76	22.22	0.000%
3	-0.10	-27.57	-22.22	0.10	27.57	22.22	0.000%
4	10.99	-36.76	-19.23	-10.99	36.76	19.23	0.000%
5	10.99	-27.57	-19.23	-10.99	27.57	19.23	0.000%
6	19.08	-36.76	-11.08	-19.08	36.76	11.08	0.000%
7	19.08	-27.57	-11.08	-19.08	27.57	11.08	0.000%
8	22.05	-36.76	0.04	-22.05	36.76	-0.04	0.000%
9	22.05	-27.57	0.04	-22.05	27.57	-0.04	0.000%
10	19.08	-36.76	11.20	-19.08	36.76	-11.20	0.000%
11	19.08	-27.57	11.20	-19.08	27.57	-11.20	0.000%
12	11.06	-36.76	19.29	-11.06	36.76	-19.29	0.000%
13	11.06	-27.57	19.29	-11.06	27.57	-19.29	0.000%
14	0.07	-36.76	22.26	-0.07	36.76	-22.26	0.000%
15	0.07	-27.57	22.26	-0.07	27.57	-22.26	0.000%
16	-10.97	-36.76	19.28	10.97	36.76	-19.28	0.000%
17	-10.97	-27.57	19.28	10.97	27.57	-19.28	0.000%
18	-19.10	-36.76	11.09	19.10	36.76	-11.09	0.000%
19	-19.10	-27.57	11.09	19.10	27.57	-11.09	0.000%
20	-22.09	-36.76	-0.08	22.09	36.76	0.08	0.000%
21	-22.09	-27.57	-0.08	22.09	27.57	0.08	0.000%
22	-19.13	-36.76	-11.19	19.13	36.76	11.19	0.000%
23	-19.13	-27.57	-11.19	19.13	27.57	11.19	0.000%
24	-11.08	-36.76	-19.28	11.08	36.76	19.28	0.000%
25	-11.08	-27.57	-19.28	11.08	27.57	19.28	0.000%
26	0.00	-50.11	0.00	0.00	50.11	0.00	0.000%
27	-0.02	-50.11	-6.20	0.02	50.11	6.20	0.000%
28	3.08	-50.11	-5.37	-3.08	50.11	5.37	0.000%
29	5.34	-50.11	-3.09	-5.34	50.11	3.09	0.000%
30	6.17	-50.11	0.01	-6.17	50.11	-0.01	0.000%
31	5.34	-50.11	3.12	-5.34	50.11	-3.12	0.000%
32	3.09	-50.11	5.38	-3.09	50.11	-5.38	0.000%
33	0.01	-50.11	6.21	-0.01	50.11	-6.21	0.000%
34	-3.07	-50.11	5.38	3.07	50.11	-5.38	0.000%
35	-5.34	-50.11	3.10	5.34	50.11	-3.10	0.000%
36	-6.17	-50.11	-0.02	6.17	50.11	0.02	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
37	-5.35	-50.11	-3.11	5.35	50.11	3.11	0.000%
38	-3.09	-50.11	-5.38	3.09	50.11	5.38	0.000%
39	-0.03	-30.64	-5.32	0.03	30.64	5.32	0.000%
40	2.63	-30.64	-4.61	-2.63	30.64	4.61	0.000%
41	4.57	-30.64	-2.66	-4.57	30.64	2.66	0.000%
42	5.28	-30.64	0.01	-5.28	30.64	-0.01	0.000%
43	4.57	-30.64	2.68	-4.57	30.64	-2.68	0.000%
44	2.65	-30.64	4.62	-2.65	30.64	-4.62	0.000%
45	0.02	-30.64	5.33	-0.02	30.64	-5.33	0.000%
46	-2.63	-30.64	4.62	2.63	30.64	-4.62	0.000%
47	-4.58	-30.64	2.66	4.58	30.64	-2.66	0.000%
48	-5.29	-30.64	-0.02	5.29	30.64	0.02	0.000%
49	-4.58	-30.64	-2.68	4.58	30.64	2.68	0.000%
50	-2.65	-30.64	-4.62	2.65	30.64	4.62	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	0.00001611
3	Yes	4	0.00000001	0.00001056
4	Yes	4	0.00000001	0.00007881
5	Yes	4	0.00000001	0.00005178
6	Yes	4	0.00000001	0.00007099
7	Yes	4	0.00000001	0.00004651
8	Yes	4	0.00000001	0.00001162
9	Yes	4	0.00000001	0.00000751
10	Yes	4	0.00000001	0.00006671
11	Yes	4	0.00000001	0.00004360
12	Yes	4	0.00000001	0.00008299
13	Yes	4	0.00000001	0.00005457
14	Yes	4	0.00000001	0.00001912
15	Yes	4	0.00000001	0.00001259
16	Yes	4	0.00000001	0.00006600
17	Yes	4	0.00000001	0.00004315
18	Yes	4	0.00000001	0.00007191
19	Yes	4	0.00000001	0.00004718
20	Yes	4	0.00000001	0.00001277
21	Yes	4	0.00000001	0.00000830
22	Yes	4	0.00000001	0.00008170
23	Yes	4	0.00000001	0.00005375
24	Yes	4	0.00000001	0.00006560
25	Yes	4	0.00000001	0.00004284
26	Yes	4	0.00000001	0.00000001
27	Yes	4	0.00000001	0.00010878
28	Yes	4	0.00000001	0.00011094
29	Yes	4	0.00000001	0.00011070
30	Yes	4	0.00000001	0.00010842
31	Yes	4	0.00000001	0.00011044
32	Yes	4	0.00000001	0.00011052
33	Yes	4	0.00000001	0.00010797
34	Yes	4	0.00000001	0.00010917
35	Yes	4	0.00000001	0.00010861
36	Yes	4	0.00000001	0.00010678
37	Yes	4	0.00000001	0.00010954
38	Yes	4	0.00000001	0.00011029
39	Yes	4	0.00000001	0.00000001
40	Yes	4	0.00000001	0.00000001
41	Yes	4	0.00000001	0.00000001
42	Yes	4	0.00000001	0.00000001
43	Yes	4	0.00000001	0.00000001
44	Yes	4	0.00000001	0.00000001
45	Yes	4	0.00000001	0.00000001
46	Yes	4	0.00000001	0.00000001

47	Yes	4	0.00000001	0.00000001
48	Yes	4	0.00000001	0.00000001
49	Yes	4	0.00000001	0.00000001
50	Yes	4	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	102 - 86.58	3.197	44	0.2420	0.0005
L2	91.4133 - 42.7433	2.662	45	0.2386	0.0005
L3	49.2433 - 0	0.851	45	0.1542	0.0002

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
102.00	Lighting Rod 5/8" x 4'	44	3.197	0.2420	0.0005	243466
98.00	AIR 6419 B77G_CCIV3 w/ Mount Pipe	44	2.994	0.2412	0.0005	243466
90.00	RRH2X40-AWS	45	2.592	0.2376	0.0005	92181
83.00	dragonwave A-ANT-18G-2-C	45	2.246	0.2303	0.0004	48888
80.00	LLPX310R w/ Mount Pipe	45	2.101	0.2260	0.0004	40510
67.00	MX08FRO665-21 w/ Mount Pipe	45	1.510	0.2007	0.0003	23208

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	102 - 86.58	13.374	14	1.0120	0.0021
L2	91.4133 - 42.7433	11.138	14	0.9976	0.0019
L3	49.2433 - 0	3.561	14	0.6450	0.0007

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
102.00	Lighting Rod 5/8" x 4'	14	13.374	1.0120	0.0021	59658
98.00	AIR 6419 B77G_CCIV3 w/ Mount Pipe	14	12.527	1.0088	0.0020	59658
90.00	RRH2X40-AWS	14	10.842	0.9935	0.0019	22457
83.00	dragonwave A-ANT-18G-2-C	14	9.396	0.9628	0.0017	11756
80.00	LLPX310R w/ Mount Pipe	14	8.790	0.9449	0.0016	9723
67.00	MX08FRO665-21 w/ Mount Pipe	14	6.317	0.8395	0.0013	5555

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	102 - 86.58 (1)	TP34.3925x29.58x0.3125	15.42	0.00	0.0	32.3069	-5.55	1889.95	0.003
L2	86.58 - 42.7433 (2)	TP47.4475x32.2591x0.375	48.67	0.00	0.0	53.6137	-21.19	3136.40	0.007
L3	42.7433 - 0 (3)	TP60x44.669x0.375	49.24	0.00	0.0	70.9687	-36.76	4151.67	0.009

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	102 - 86.58 (1)	TP34.3925x29.58x0.3125	50.63	1567.97	0.032	0.00	1567.97	0.000
L2	86.58 - 42.7433 (2)	TP47.4475x32.2591x0.375	598.75	3456.07	0.173	0.00	3456.07	0.000
L3	42.7433 - 0 (3)	TP60x44.669x0.375	1572.41	5436.67	0.289	0.00	5436.67	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	102 - 86.58 (1)	TP34.3925x29.58x0.3125	6.24	566.99	0.011	0.00	1617.30	0.000
L2	86.58 - 42.7433 (2)	TP47.4475x32.2591x0.375	17.18	940.92	0.018	0.77	3711.68	0.000
L3	42.7433 - 0 (3)	TP60x44.669x0.375	22.27	1245.50	0.018	0.77	6503.57	0.000

Pole Interaction Design Data

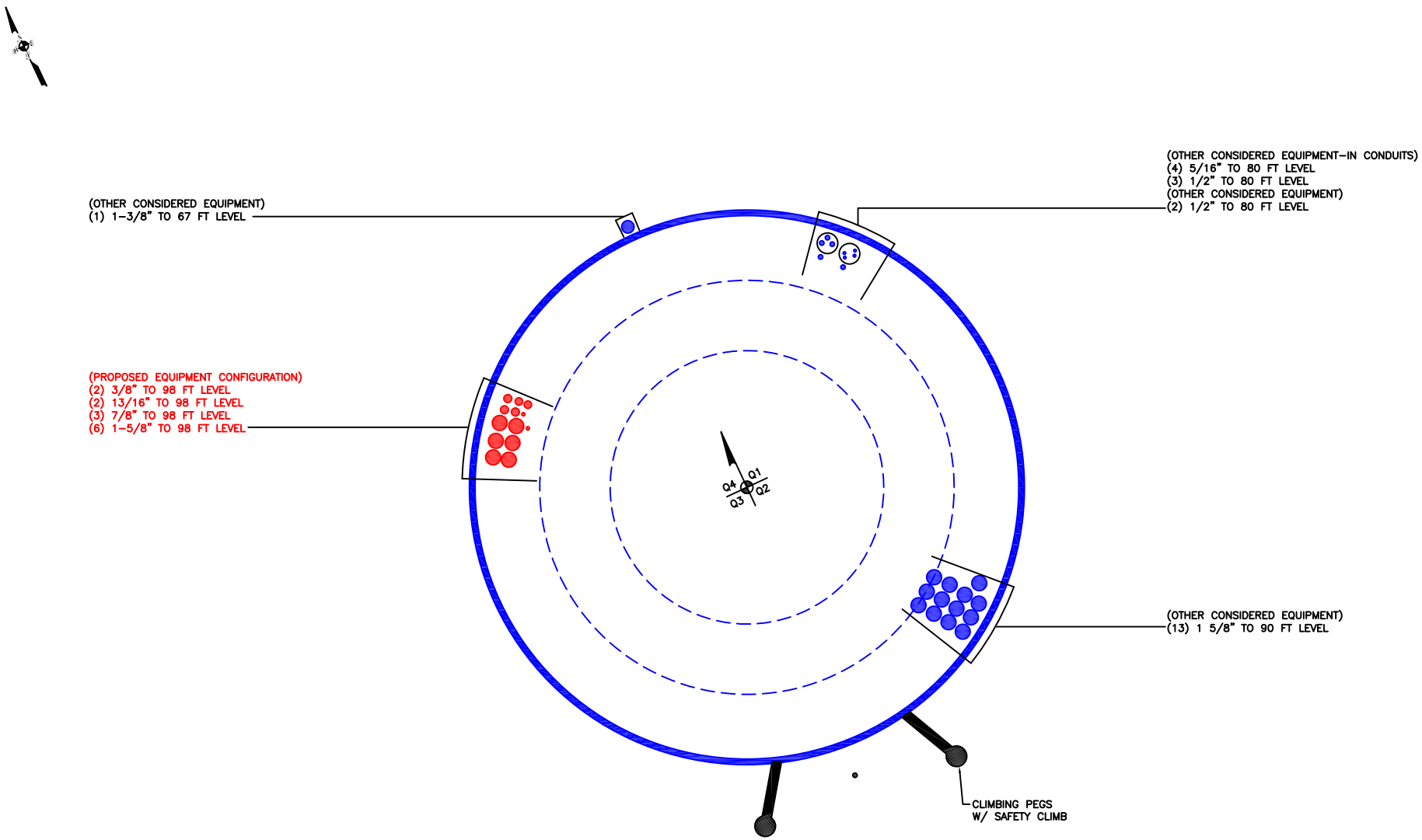
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	102 - 86.58 (1)	0.003	0.032	0.000	0.011	0.000	0.035	1.050	4.8.2
L2	86.58 - 42.7433 (2)	0.007	0.173	0.000	0.018	0.000	0.180	1.050	4.8.2
L3	42.7433 - 0 (3)	0.009	0.289	0.000	0.018	0.000	0.298	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	102 - 86.58	Pole	TP34.3925x29.58x0.3125	1	-5.55	1984.45	3.4	Pass
L2	86.58 - 42.7433	Pole	TP47.4475x32.2591x0.375	2	-21.19	3293.22	17.2	Pass
L3	42.7433 - 0	Pole	TP60x44.669x0.375	3	-36.76	4359.25	28.4	Pass
							Summary	
						Pole (L3)	28.4	Pass
						RATING =	**28.4**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(1) 1-3/8" TO 67 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUITS)
(4) 5/16" TO 80 FT LEVEL
(3) 1/2" TO 80 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 1/2" TO 80 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(2) 3/8" TO 98 FT LEVEL
(2) 13/16" TO 98 FT LEVEL
(3) 7/8" TO 98 FT LEVEL
(6) 1-5/8" TO 98 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT)
(13) 1 5/8" TO 90 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB

APPENDIX C

ADDITIONAL CALCULATIONS

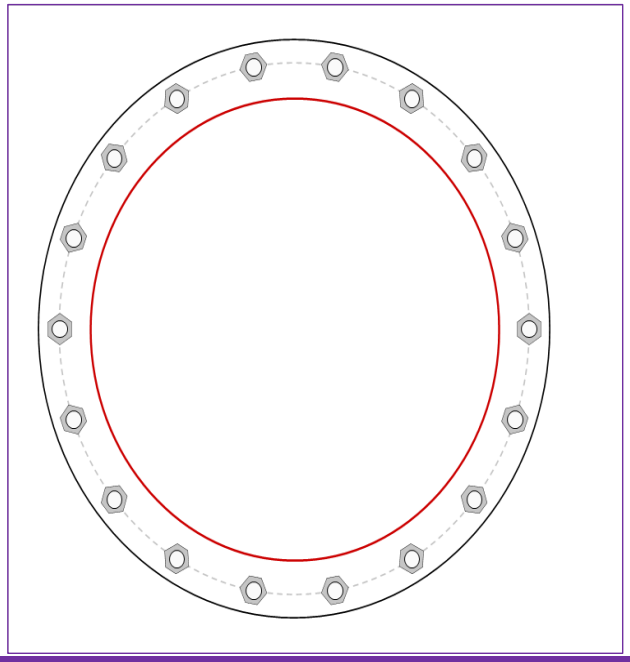
Monopole Base Plate Connection

Site Info	
BU #	842879
Site Name	ODBRIDGE COUNTRY C
Order #	586276, Rev 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2

Applied Loads	
Moment (kip-ft)	1572.00
Axial Force (kips)	37.00
Shear Force (kips)	22.00

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(18) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 69" BC

Base Plate Data

75" OD x 2" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

60" x 0.375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_t = 58.67	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.22	ϕVn = 149.1	**22.9%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary		
Max Stress (ksi):	16.69	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**29.4%**	**Pass**

Pier and Pad Foundation

BU # :	842879
Site Name:	WOODBRIDGE C(
App. Number:	586276, Rev 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	37	kips
Base Shear, Vu_comp:	22	kips
Moment, M_u:	1572	ft-kips
Tower Height, **H**:	102	ft
BP Dist. Above Fdn, bp_{dist}:	4	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	7.5	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	40	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	4	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	5	in

Pad Properties

Depth, **D**:	5	ft
Pad Width, W_1:	27.5	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2}:	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2}:	24	
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	36	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	110	pcf
Ultimate Gross Bearing, Qult:	8.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	60	
Base Friction, μ:		
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	n/a	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	178.63	22.00	**11.7%**	**Pass**
Bearing Pressure (ksf)	6.00	1.57	**24.9%**	**Pass**
*Overturning (kip*ft)*	5831.92	1711.33	**29.3%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	5517.45	1638.00	**28.3%**	**Pass**
Pier Compression (kip)	35802.00	67.38	**0.2%**	**Pass**
*Pad Flexure (kip*ft)*	3934.05	609.80	**14.8%**	**Pass**
Pad Shear - 1-way (kips)	986.16	87.37	**8.4%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.016	**8.3%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3898.96	982.80	**24.0%**	**Pass**

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

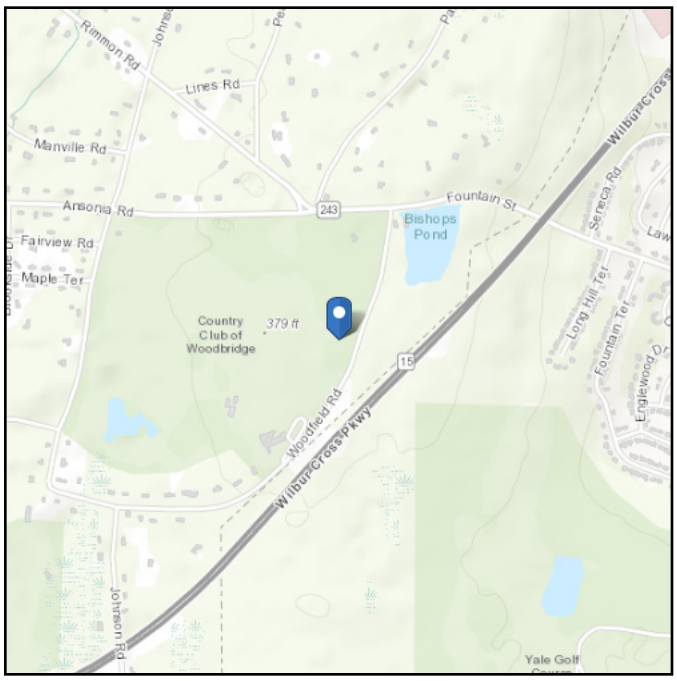
Structural Rating*:	**28.3%**
Soil Rating*:	**29.3%**

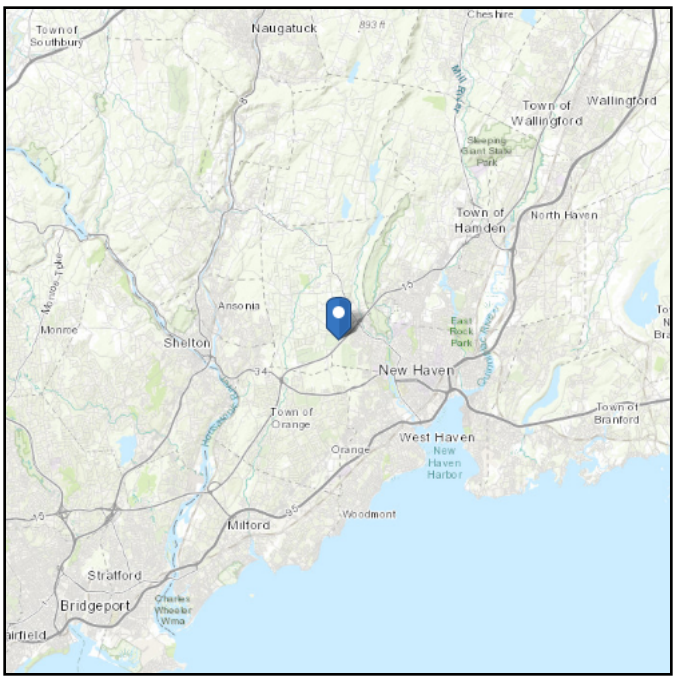
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 360.98 ft (NAVD 88)
Latitude: 41.327639
Longitude: -72.993567





Wind

Results:

Wind Speed	119 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 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: Thu Mar 03 2022

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.

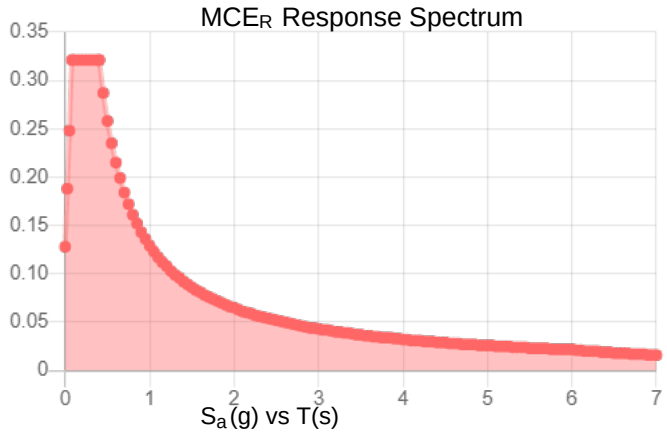
Seismic

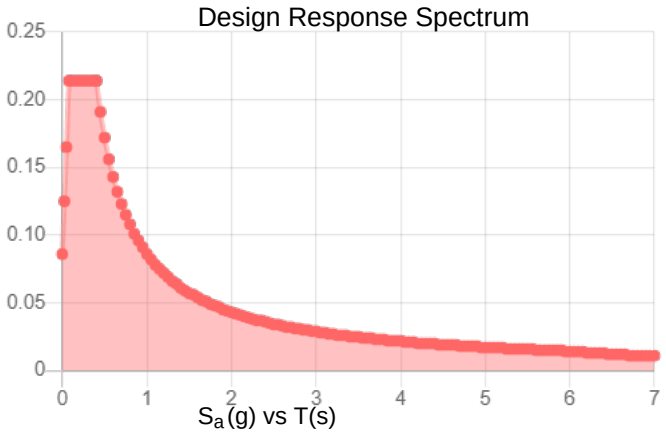
Site Soil Class: D - Stiff Soil

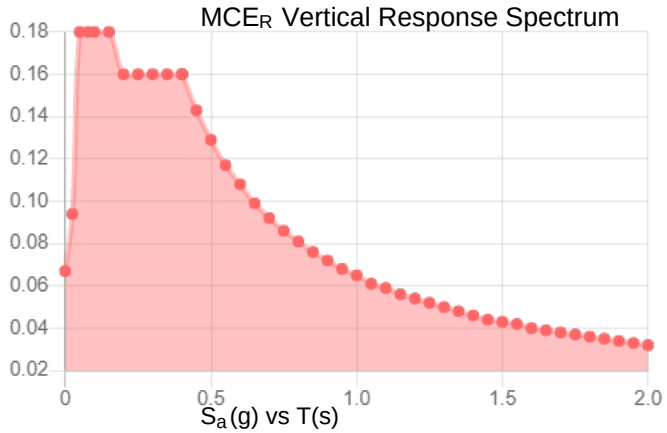
Results:

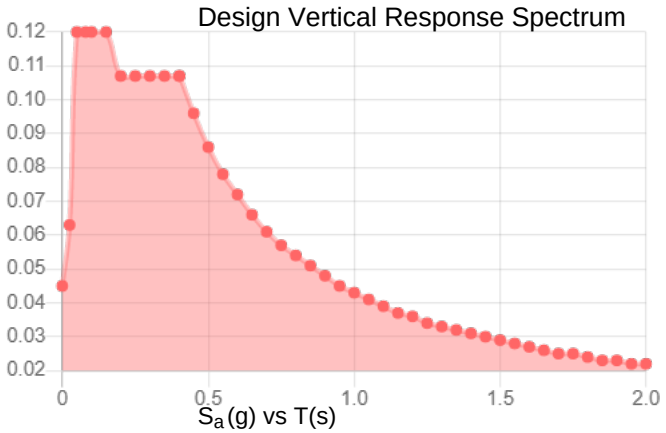
S_S :	0.2	S_{D1} :	0.086
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.112
F_v :	2.4	PGA_M :	0.177
S_{MS} :	0.321	F_{PGA} :	1.576
S_{M1} :	0.129	I_e :	1
S_{DS} :	0.214	C_v :	0.701

Seismic Design Category B









Data Accessed: **Thu Mar 03 2022**

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:	Thu Mar 03 2022

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

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

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

Exhibit E

Mount Analysis

Maser Consulting Connecticut
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10145609
Maser Consulting Connecticut Project #: 21777972A

April 28, 2022

Site Information	*Site ID:*	*468541-VZW / WESTVILLE WEST CT*
	Site Name:	*WESTVILLE WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*50 Woodfield Rd.* *Woodbridge, Connecticut 06525* *New Haven County*
	Latitude:	*41.327639°*
	Longitude:	*-72.993567°*
Structure Information	*Tower Type:*	*100-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16244609

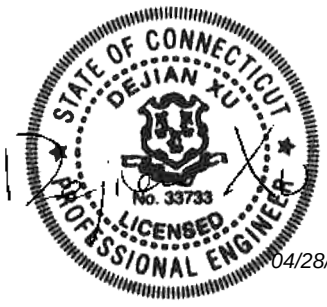
Analysis Results

Platform: **84.8% 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: Abigail Enriquez



04/28/2022

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: 325133, Dated April 12, 2022*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 468541, Dated June 2, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777972A, dated April 19, 2022*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777972A, dated April 28, 2022*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.98
Seismic Parameters:	S_S:	0.200 g
	S_1:	0.054 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
88.50	90.00	3	Samsung	MT6407-77A	Added
		6	JMA Wireless	MX06FRO660-03	
		3	Samsung	RFV01U-D1A	
		3	Samsung	RFV01U-D2A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Antel	BXA-70063/6CF	Retained

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped 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. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Mount Pipe	*37.8%*	*Pass*
Kickers	*19.2%*	*Pass*
Corner Supports	*28.6%*	*Pass*
Support Rail	*18.1%*	*Pass*
Face Horizontal	*17.9%*	*Pass*
Corner Plate	*45.3%*	*Pass*
Cross Arm Plate	*28.5%*	*Pass*
Grating Support	*42.9%*	*Pass*
Platform Crossmember	*55.9%*	*Pass*
Standoff Horizontal	*11.1%*	*Pass*
Connection Check	*84.8%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**84.8%**

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	30.2	30.2	43.9	43.8
0.5	39.1	39.2	58.6	58.5
1	47.0	47.1	72.3	72.2

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

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PSLC #: 468541 SMART Project #: 10145609 Fuze Project ID: 16244609

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:

Contractor shall attach proposed OVP 12” from the top of OVP pipe.

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:	

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MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 842879

CARRIER SITE NAME: WESTVILLE WEST CT
CARRIER SITE NUMBER: 468541
FUZE ID: 16244609

50 WOODFIELD RD.
WOODBRIDGE, CT 06525
NEW HAVEN COUNTY

LATITUDE: 41.327639° N
LONGITUDE: 72.993567° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 119 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 360.98'

ICE LOADS

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

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .200
LONG TERM MCER GROUND MOTION, S_1 = .054

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@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10145609
VZW LOCATION CODE (PSLC):	468541
ANALYSIS DATE:	4/28/2022

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 : 21777972A

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.	.	.	.	.
.	.	.	.	.
0	04/28/22	ISSUED FOR CONSTRUCTION	AE	DX

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SITE NAME:

WESTVILLE WEST CT
468541

50 WOODFIELD RD.
WOODBRIDGE, CT 06525
NEW HAVEN COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
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SHEET TITLE : TITLE SHEET

SHEET NUMBER : ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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-P40-238X048	48" LONG, PIPE 2 STD (2.375"OD X 0.154" THK)		15	15
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
1		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	34

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
					TOTAL:	994

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

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

VZWSMART KITS - APPROVED VENDORS

NEWAVE

CONTACT	NEWAVE SALES TEAM
PHONE	(971) 239-4762
EMAIL	SALES@NEWAVETC.COM
WEBSITE	WWW.NEWAVETC.COM

BETTER METAL, LLC

CONTACT	DAVID STANSBERRY
PHONE	(615) 535-0990 (O), (615) 631-2520 (M)
EMAIL	DLS@BETTERMETAL.COM
WEBSITE	WWW.BETTERMETAL.COM

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

SHEET NUMBER: SBOM-1

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).

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@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING 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. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. 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.
10. 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.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. 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.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
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.

WELDING NOTES

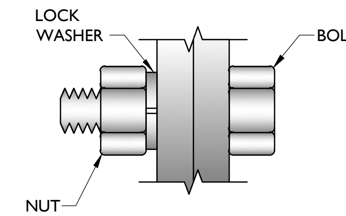
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

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

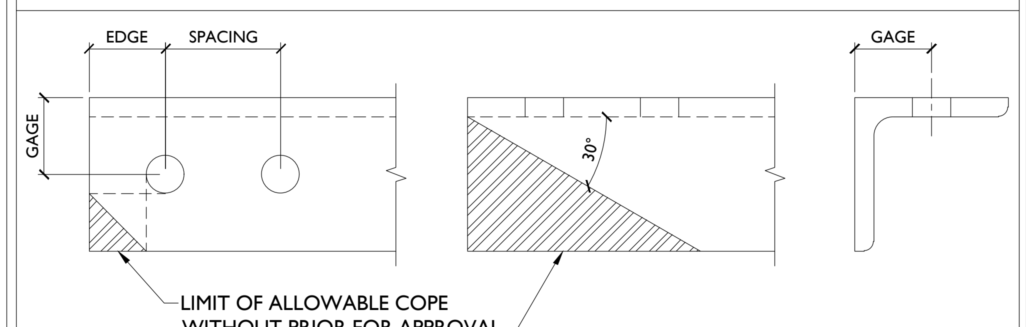


TYP. BOLT ASSEMBLY

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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SCALE :	JOB NUMBER :
AS SHOWN	21777972A

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0	04/28/22	ISSUED FOR CONSTRUCTION	AE	DX

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468541

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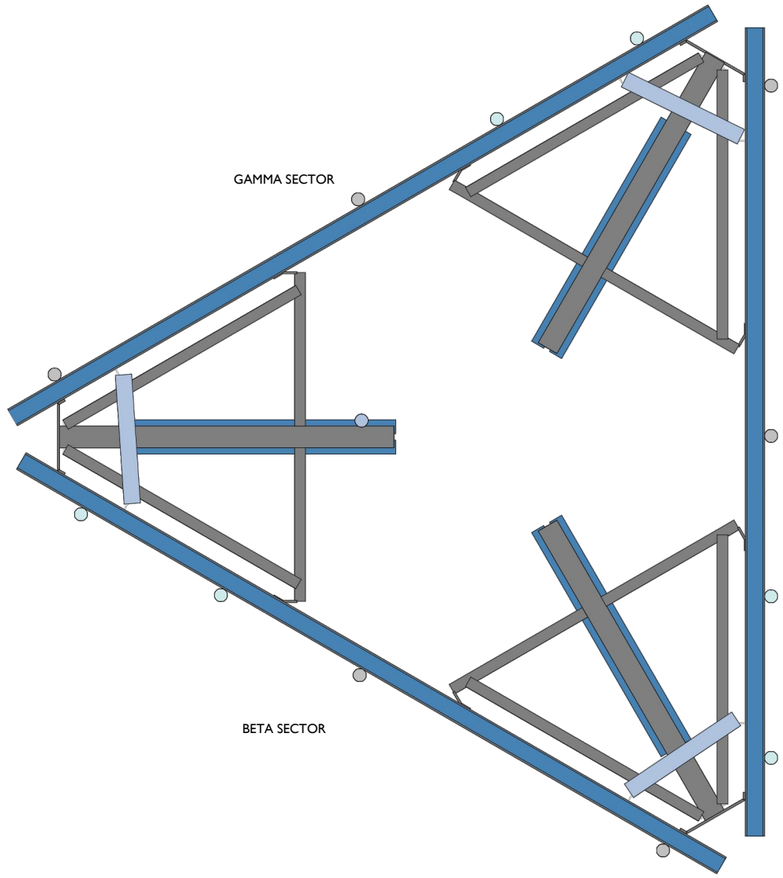
SHEET TITLE :
GENERAL NOTES

SHEET NUMBER :
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC. ON 6/2/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (88'-6") 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.

CLIMBING FACILITY PHOTO

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SHEET TITLE :

CLIMBING FACILITY DETAIL

SHEET NUMBER :

SCF-1

LEGEND:

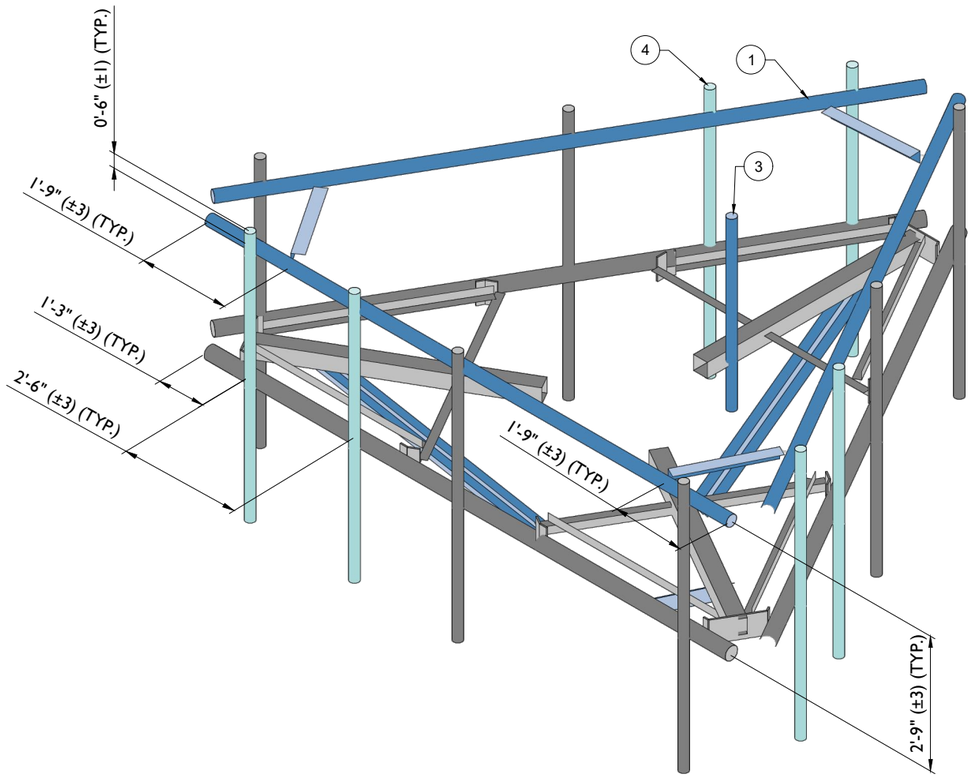
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	88'-6"	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).
3		1	PROPOSED 48" LONG, P2 STD (PART #: VZWSMART-P40-238X048)	CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).
4		6	EXISTING RELOCATED 72" LONG P2 STD PIPE	RECONNECT MOUNT PIPES TO EXISTING FACE HORIZONTAL WITH EXISTING CROSSOVER PLATES AND NEW BOLTING HARDWARE.

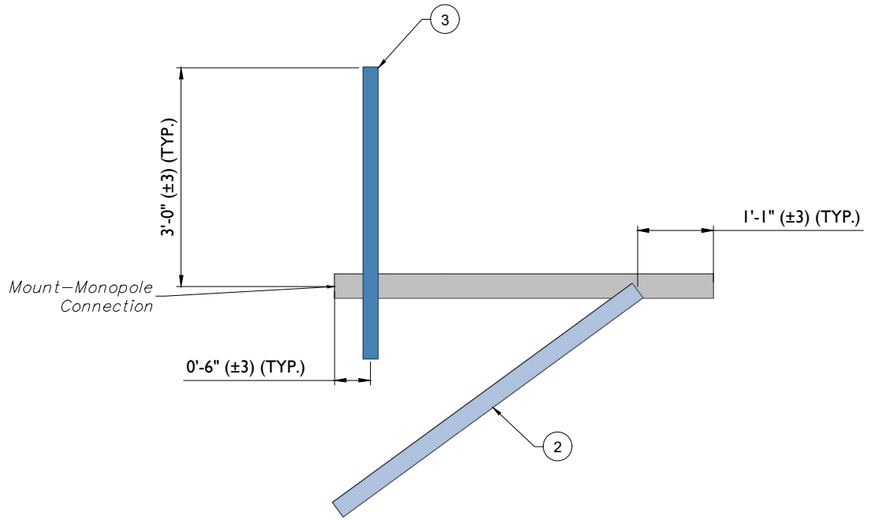
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
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 (ZINGA OR ZINC KOTE).
CONTRACTOR SHALL CUT BACK GRATING TO 1" BEYOND THE PLATE WHEN INSTALLING PROPOSED OVP PIPE. PROTECT CUT ENDS WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC KOTE).



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (SIM. ALL SECTORS)

SCALE : N.T.S.

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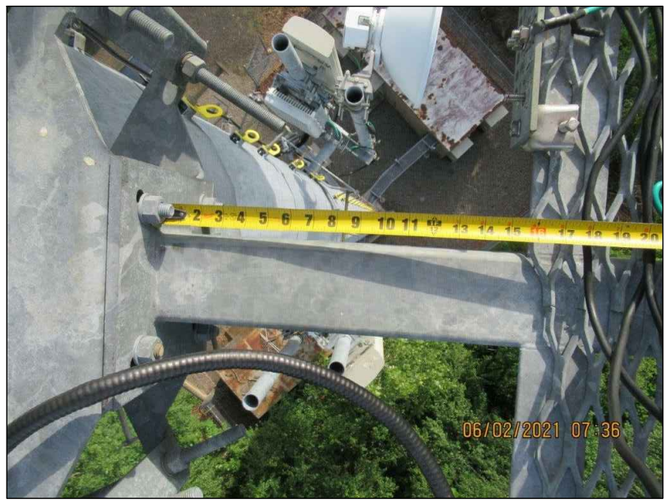
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2



MOUNT PHOTO 3

MOUNT PHOTO 4

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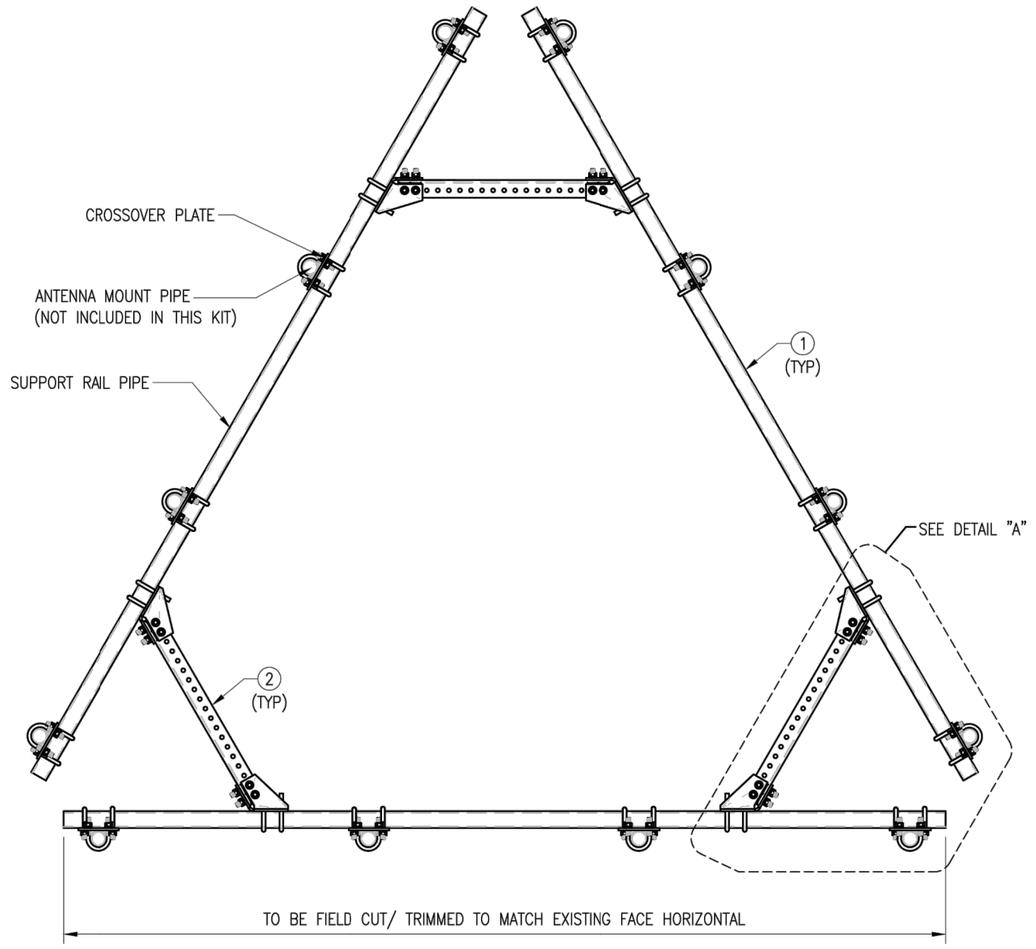
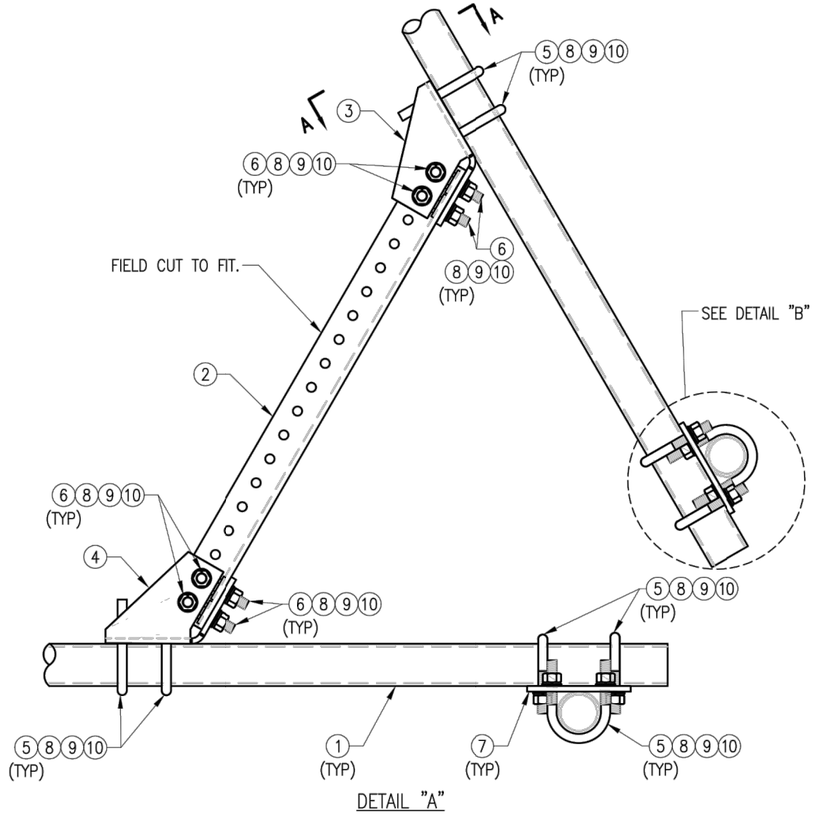
SHEET TITLE: MOUNT PHOTOS

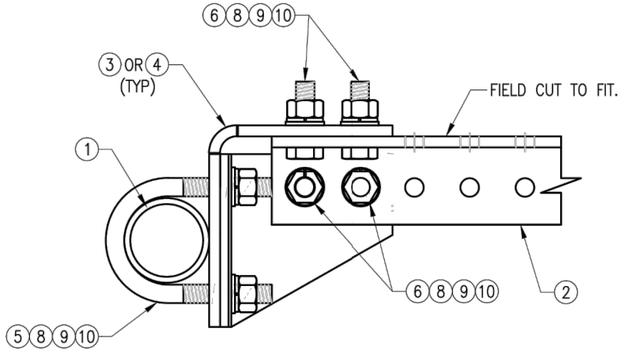
SHEET NUMBER: SS-2



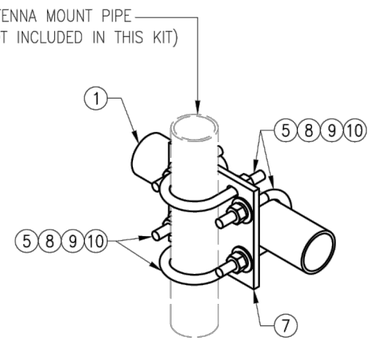
PLAN VIEW



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

VzW
SMART Tool©
Vendor

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DRAWN BY: H.R | CHECKED BY: HMA

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

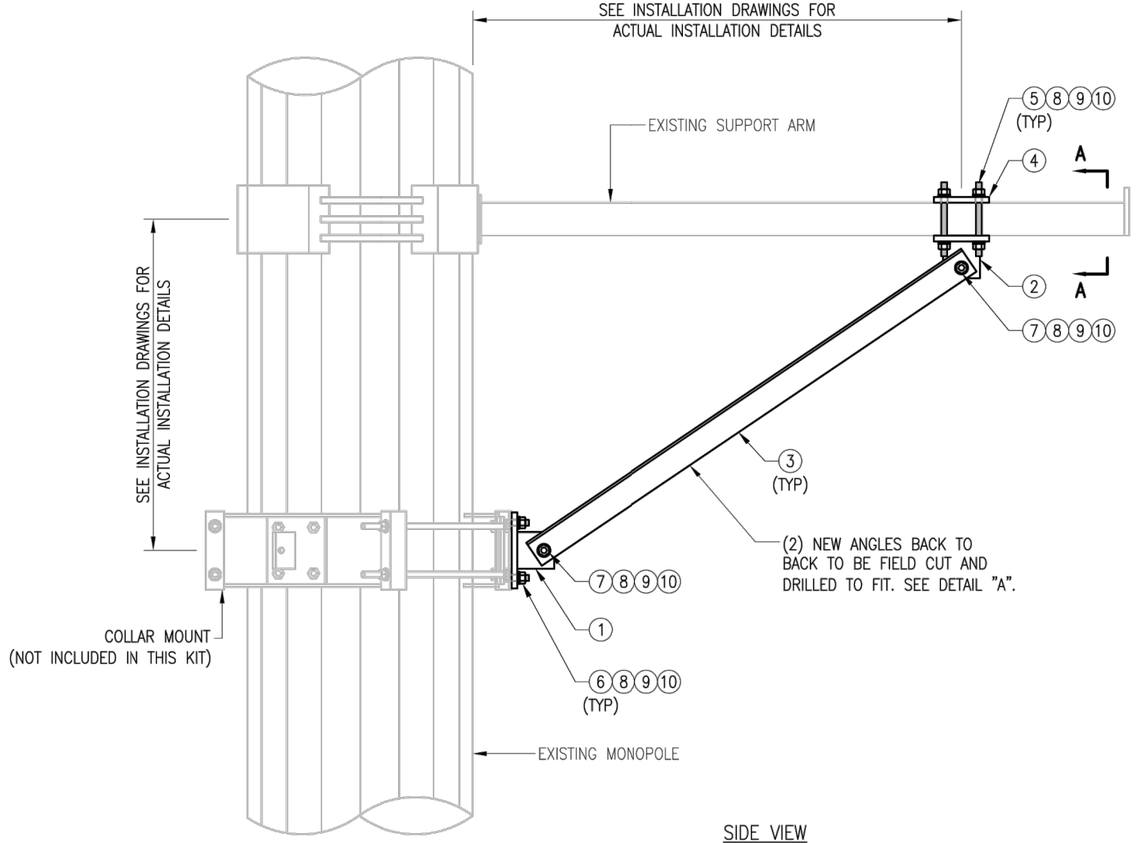
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

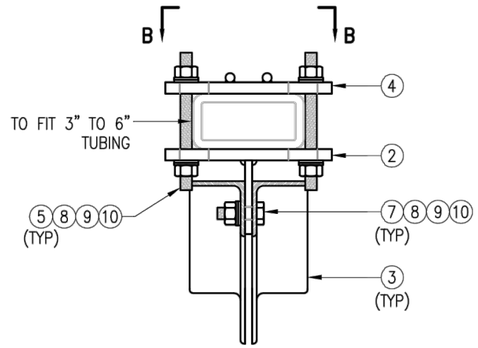
SHEET NUMBER: VZWSMART-PLK1

REV #: 0

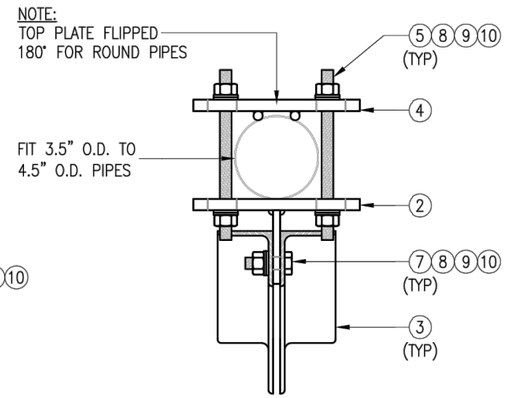
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



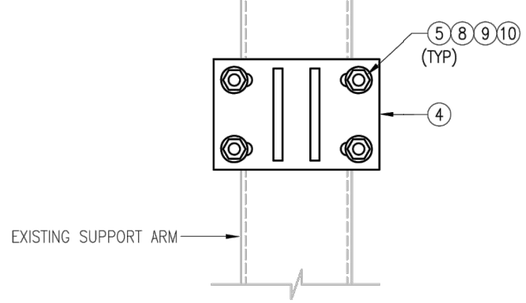
SIDE VIEW
KICKER KIT



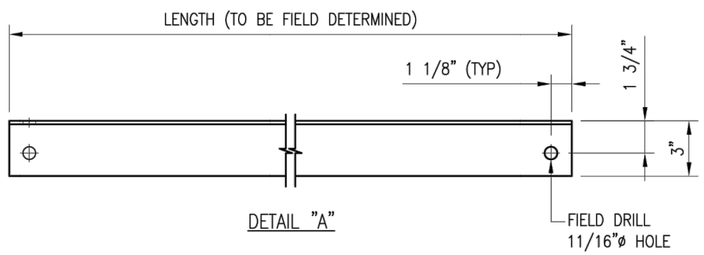
SECTION "A–A"
RECT. HSS MOUNTING



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

VzW
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Vendor

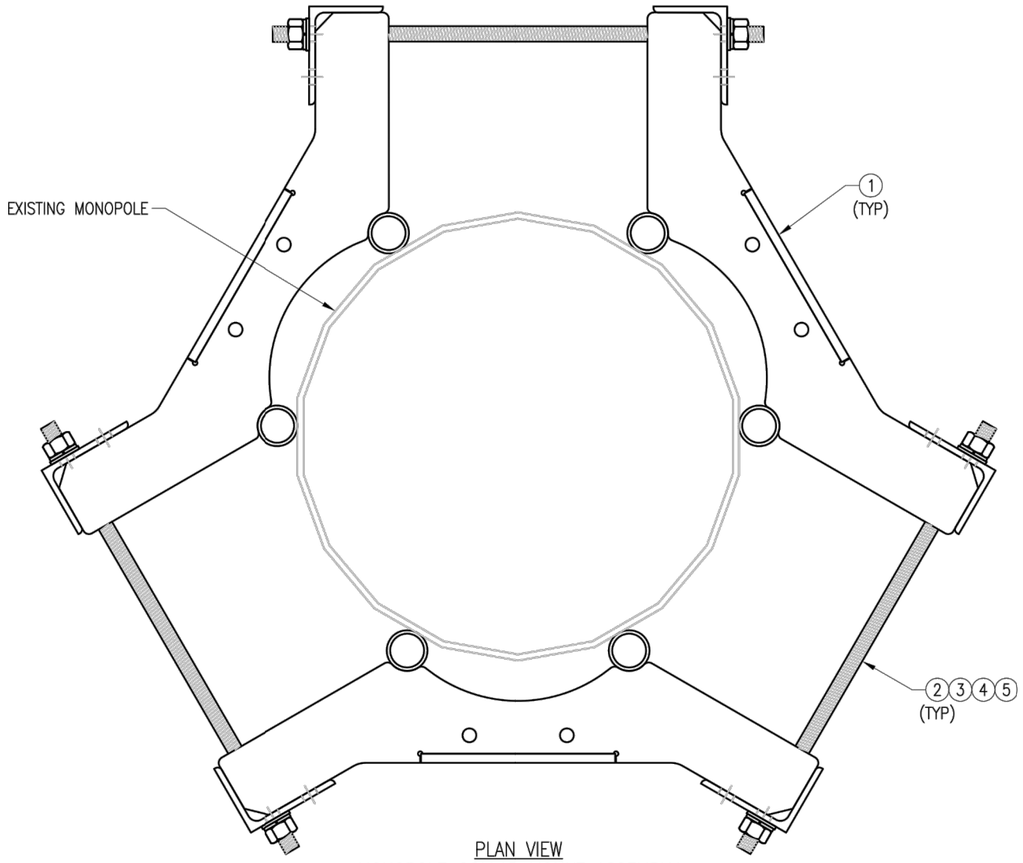
verizon

DRAWN BY: MN | CHECKED BY: HMA/KW

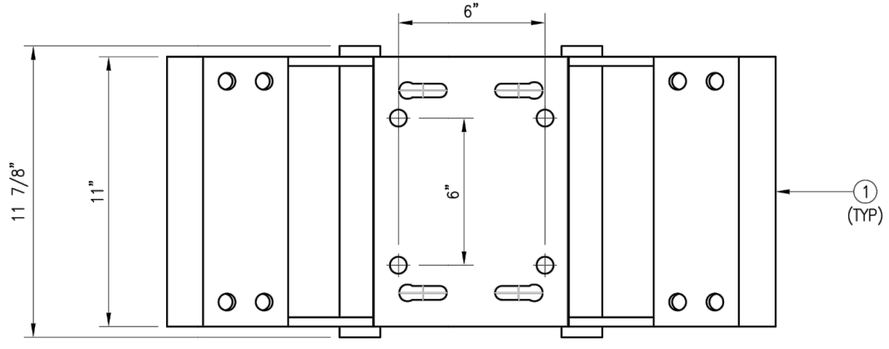
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0



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

VzW
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Vendor

verizon

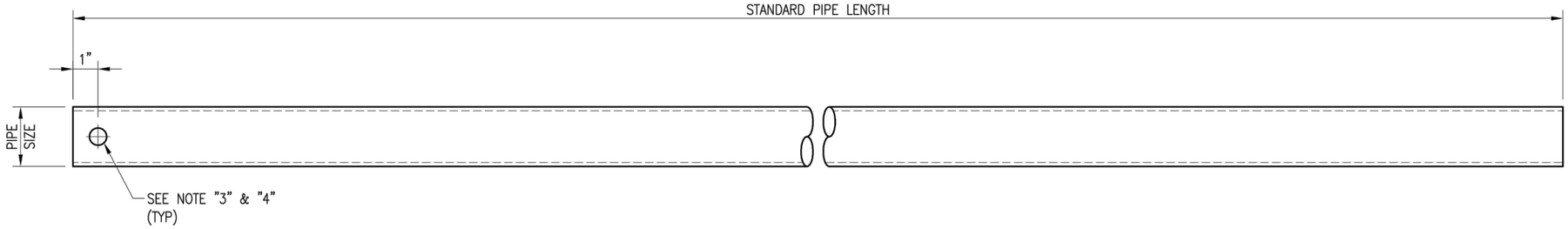
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53–B OR BETTER.
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

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DRAWN BY: BT | CHECKED BY: HMA/KW

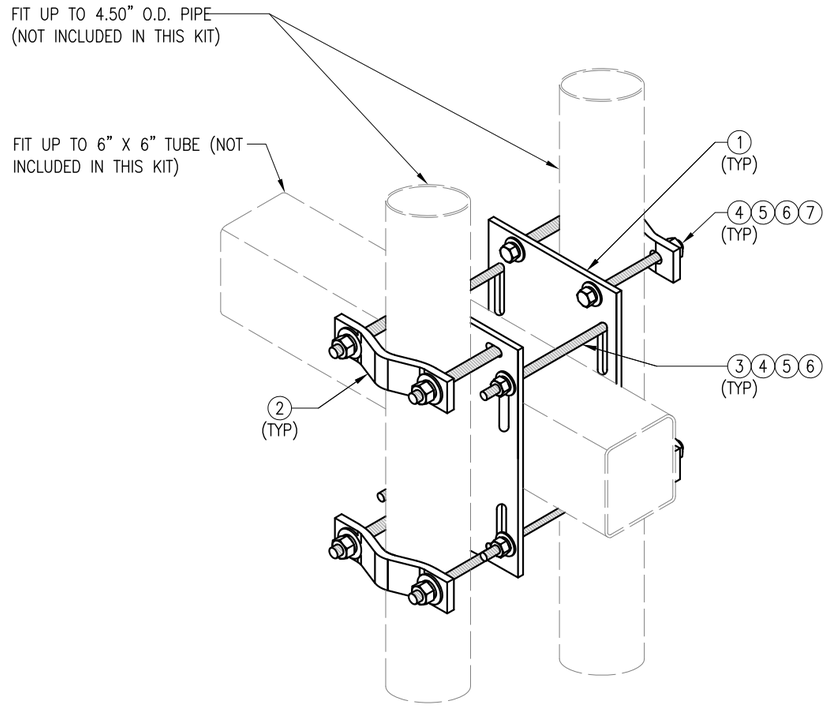
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

SHEET TITLE:

VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART–PIPE

REV #: 0



ISOMETRIC VIEW
BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PL375-8512	PL 3/8" X 8 1/2" X 1'-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	---
4	16	NUT-625	5/8" HDG HEX NUT	---	2
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD	---	1
				GALVANIZED WT	34

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

VzW SMART Tool© Vendor

verizon

DRAWN BY: SK | CHECKED BY: BT/KW

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

SHEET TITLE:
VZWSMART-MSK6
BACK TO BACK
CROSSOVER

SHEET NUMBER: VZWSMART-MSK6

REV #: 0

Structure: 468541-VZW - WESTVILLE WEST CT

Sector: **A**

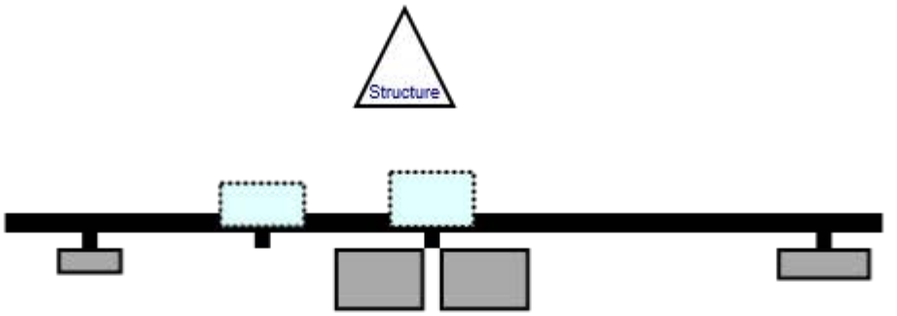
Structure Type: Monopole

Mount Elev: 88.50

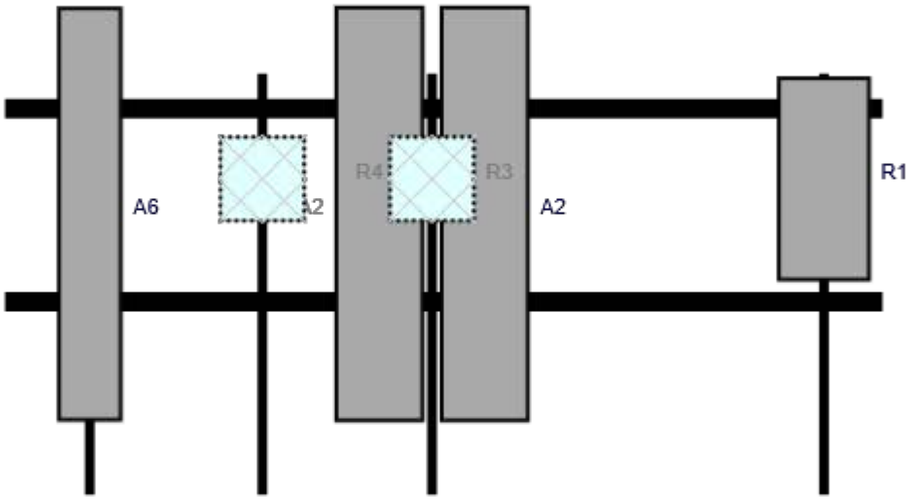
10145609

4/25/2022

Plan View



Front View - Looking at Structure



4 3 2 1

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
R1	MT6407-77A	35.1	16.1	140	1	a	Front	18	0	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	a	Front	24	-9	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	b	Front	24	9	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	73	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	44	3	a	Behind	18	0	Added	
A6	BXA-70063/6CF_	71	11.2	14.5	4	a	Front	24	0	Retained	06/02/2021
OVP	RVZDC-6627-PF-48	29.5	16.5		Memb					Added	

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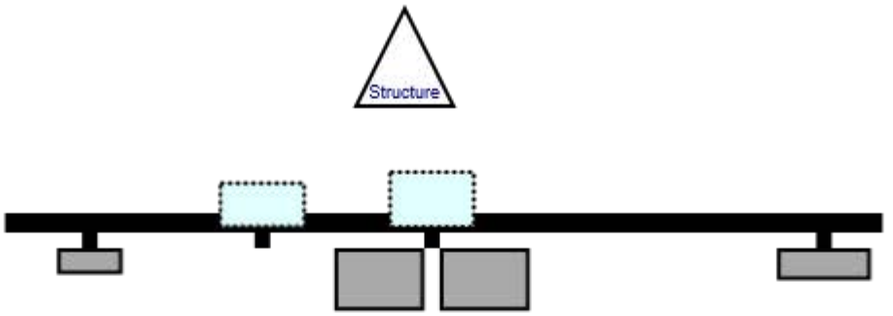
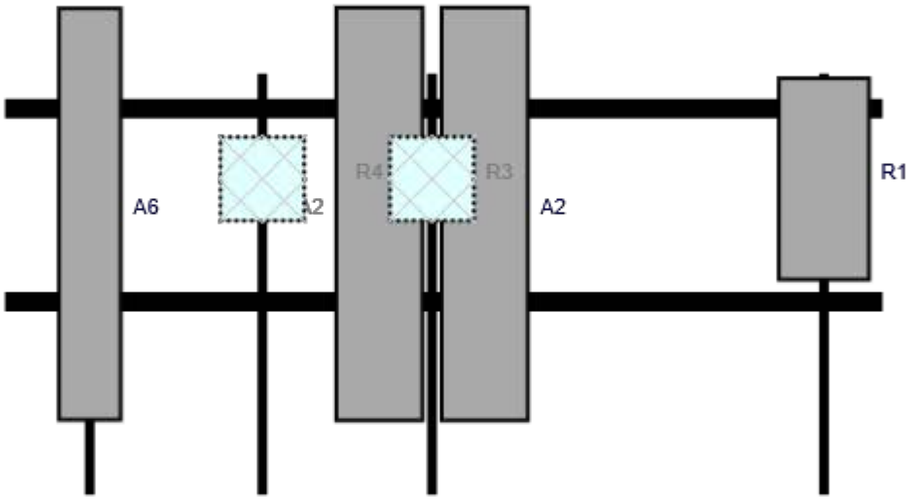
Plan View



Front View - Looking at Structure



4 3 2 1

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
R1	MT6407-77A	35.1	16.1	140	1	a	Front	18	0	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	a	Front	24	-9	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	b	Front	24	9	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	73	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	44	3	a	Behind	18	0	Added	
A6	BXA-70063/6CF_	71	11.2	14.5	4	a	Front	24	0	Retained	06/02/2021

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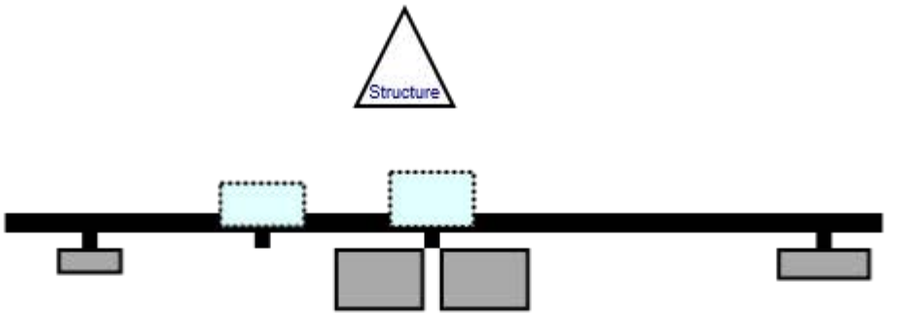
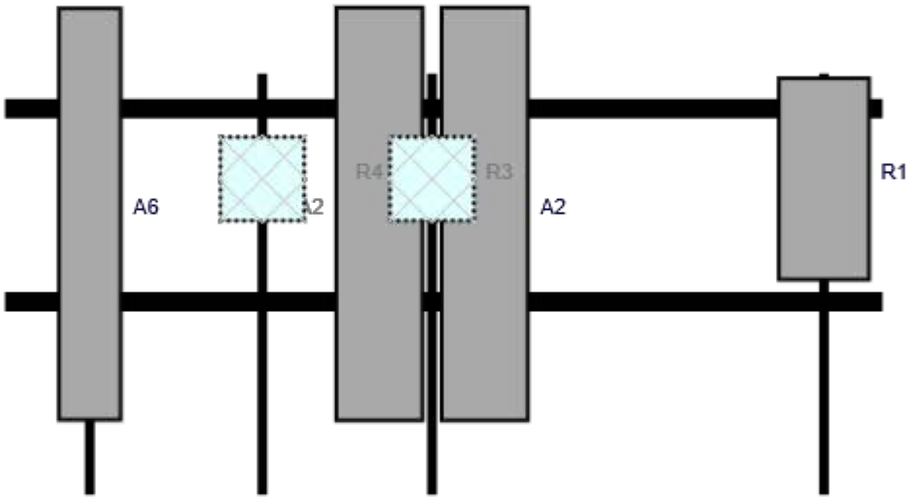
Plan View



Front View - Looking at Structure



4 3 2 1

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
R1	MT6407-77A	35.1	16.1	140	1	a	Front	18	0	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	a	Front	24	-9	Added	
A2	MX06FRO660-03	71.3	15.4	73	2	b	Front	24	9	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	73	2	a	Behind	18	0	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	44	3	a	Behind	18	0	Added	
A6	BXA-70063/6CF_	71	11.2	14.5	4	a	Front	24	0	Retained	06/02/2021

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06/02/2021 07:58


06/02/2021 07:45

V4.0 Updated on 3-31-2021

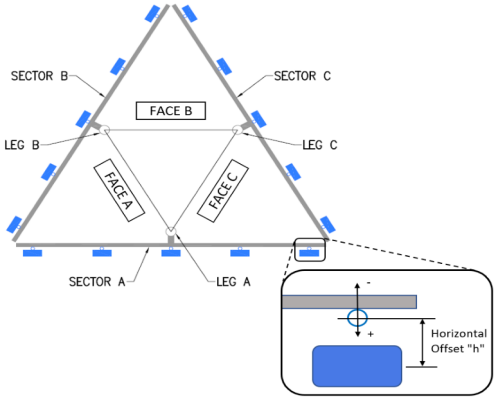
Antenna Mount Mapping Form (PATENT PENDING)

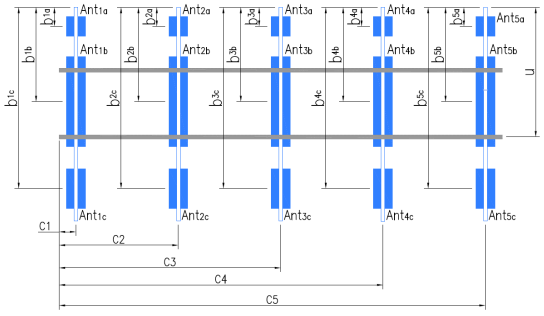
FCC #	

Tower Owner:	AT&T	**Mapping Date:**	6/2/2021
Site Name:	WESTVILLE WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468541	**Tower Height (Ft.):**	100
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	90.75

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

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	39.00	11.00	C1	2" STD. PIPE X 72" LONG	39.00	11.00
A2	2" STD. PIPE X 72" LONG	39.00	75.00	C2	2" STD. PIPE X 72" LONG	39.00	75.00
A3	2" STD. PIPE X 72" LONG	39.00	114.00	C3	2" STD. PIPE X 72" LONG	39.00	114.00
A4	2" STD. PIPE X 72" LONG	39.00	138.00	C4	2" STD. PIPE X 72" LONG	39.00	138.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	39.00	11.00	D1			
B2	2" STD. PIPE X 72" LONG	39.00	75.00	D2			
B3	2" STD. PIPE X 72" LONG	39.00	114.00	D3			
B4	2" STD. PIPE X 72" LONG	39.00	138.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	2.58
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	5.33
Please enter additional infomation or comments below.	

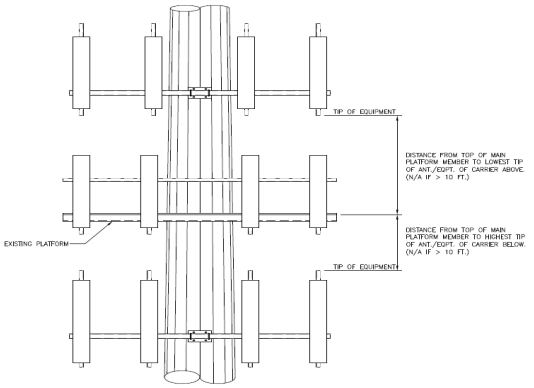
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	34.375
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

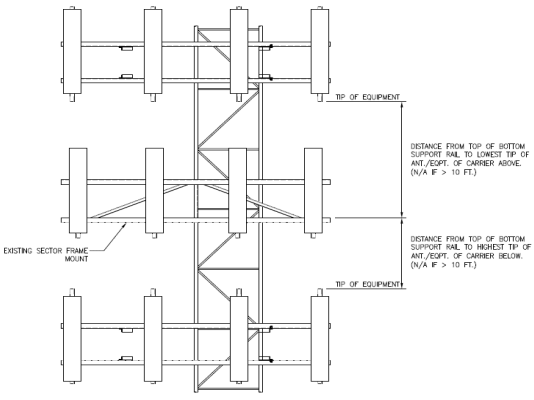
	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	9442 RRH2X40-AWS	12.00	8.00	25.00		92.6667	16.00	-7.00		44,48
Ant_{1b}	BXA-171063-8BF	6.00	4.00	48.00		91.8333	26.00	7.00	340.00	43,77
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA70063/6CF	11.00	5.50	71.00		91	36.00	11.00	340.00	45,49
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF	6.00	4.00	48.00		91.8333	26.00	7.00	340.00	46,50
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF	11.00	5.50	48.00		91.8333	26.00	10.00	340.00	47,79
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	340.00	Deg	Leg A:		Deg
Sector B:	100.00	Deg	Leg B:		Deg
Sector C:	220.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

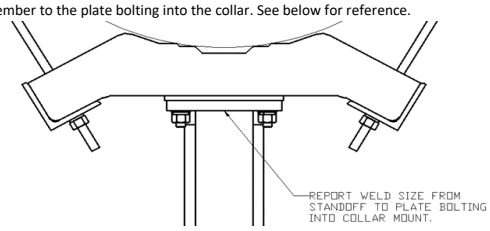
Climbing Facility Information			
Location:	160.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Missing safety cable.

Please insert a photo of the mount centerline measurement here.





For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	9442 RRH2X40-AWS	12.00	8.00	25.00		92.6667	16.00	-7.00		44,51
Ant_{1b}	BXA-171063-8BF	6.00	4.00	48.00		91.8333	26.00	7.00	100.00	43,82
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA70063/6CF	11.00	5.50	71.00		91	36.00	11.00	100.00	45,52
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF	6.00	4.00	48.00		91.8333	26.00	7.00	100.00	46,53
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF	11.00	5.50	48.00		91.8333	26.00	14.00	100.00	47,84
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	9442 RRH2X40-AWS	12.00	8.00	25.00		92.6667	16.00	-7.00		44,54
Ant_{1b}	BXA-171063-8BF	6.00	4.00	48.00		91.8333	26.00	7.00	220.00	43,87
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA70063/6CF	11.00	5.50	71.00		91	36.00	11.00	220.00	45,55
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8CF	6.00	4.00	48.00		91.8333	26.00	7.00	220.00	46,55
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF	11.00	5.50	48.00		91.8333	26.00	10.00	220.00	47,89
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.00	10.00	28.00			71.00	9.00		38-40
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	PLASTIC COVERING ON RADIO 9442 @ BETA POS. 1 SEEMS TO BE DETACHING	51
2	NO SAFETY CABLE PRESENT, REPLACED BY STEP BOLT ANCHOR BRACKETS	86
3		
4		
5		
6		
7		
8		

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

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

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

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	AT&T	**Mapping Date:**	6/2/2021
Site Name:	WESTVILLE WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468541	**Tower Height (Ft.):**	100
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	90.75

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

Please Insert Sketches of the Antenna Mount

6/8/2021

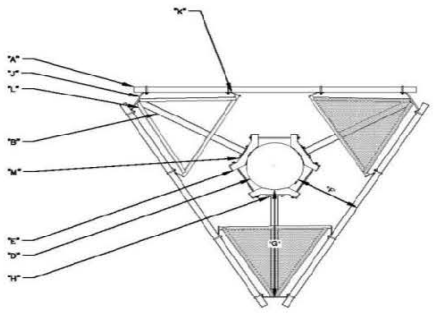
HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

MOUNT MAPPING CHECKLIST

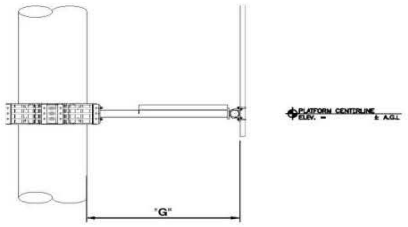
CARRIER:	COLLIER	SITE #:	Westville West CT	SITE NAME:	
DATE:	6/2/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	
SIZE		3-1/2"
LENGTH		12'6"
B: STAND OFF SIZE	☐	4"x 4"x 62.5"
C: ANTENNA PIPE MAST	☐	1/8"
DIA.		2-3/8"
LENGTH		72"
D: MONOPOLE DIA.	☐	34-3/8"
E: RINGMOUNT	☐	10-3/4"x 3/8"
F: TOWER TO FACE	☐	35"
G: TOWER TO APEX	☐	69"
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x 12.5"x 5.5"x 3/8"
K: B PLATE	☐	6"x 5"x 3-1/2"x 3/8"
L: ANGLE	☐	2"X2"X3/16"
M: MOUNTING PLATE	☐	10"x 10"x 1/2"
N: ALPHA POS 1	☐	BXA-171063-8BF
ALPHA POS 2	☐	BXA70063/6CF
ALPHA POS 3	☐	BXA-171063-8CF
ALPHA POS 4	☐	BXA-80063-4BF
ALPHA POS 5		
O: BETA POS 1	☐	
BETA POS 2	☐	
BETA POS 3	☐	
BETA POS 4	☐	
BETA POS 5		
P: GAMMA POS 1	☐	
GAMMA POS 2	☐	
GAMMA POS 3	☐	
GAMMA POS 4	☐	
GAMMA POS 5		
Q: TMA	☐	none
R: RADIOS	☐	(3) 9442
S: SURGE	☐	(1) OVP banded to towe
T: SECOND MOUNT	☐	
COMMENTS:		

Legend



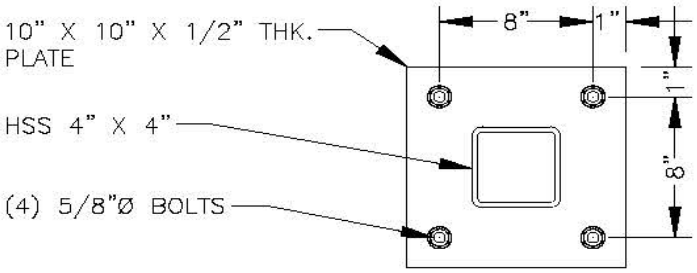
PLAN



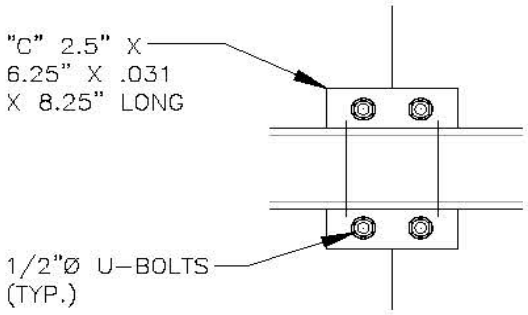
ELEVATION

FACE SKETCH

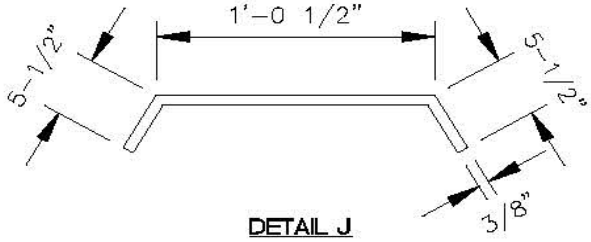
Please Insert Sketches of the Antenna Mount, cont'd



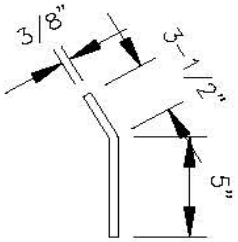
DETAIL M
MOUNTING PLATE



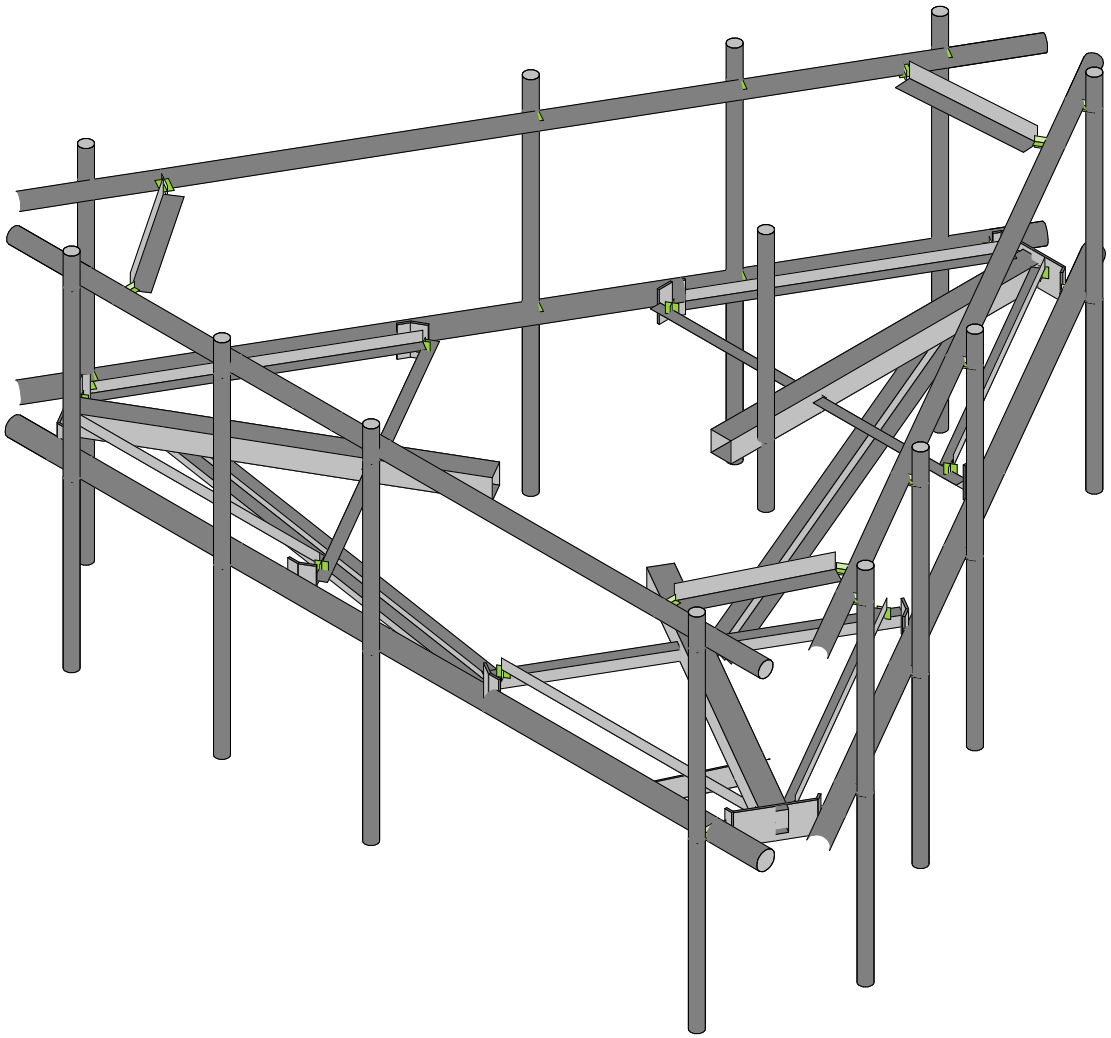
CROSSOVER PLATE DETAIL



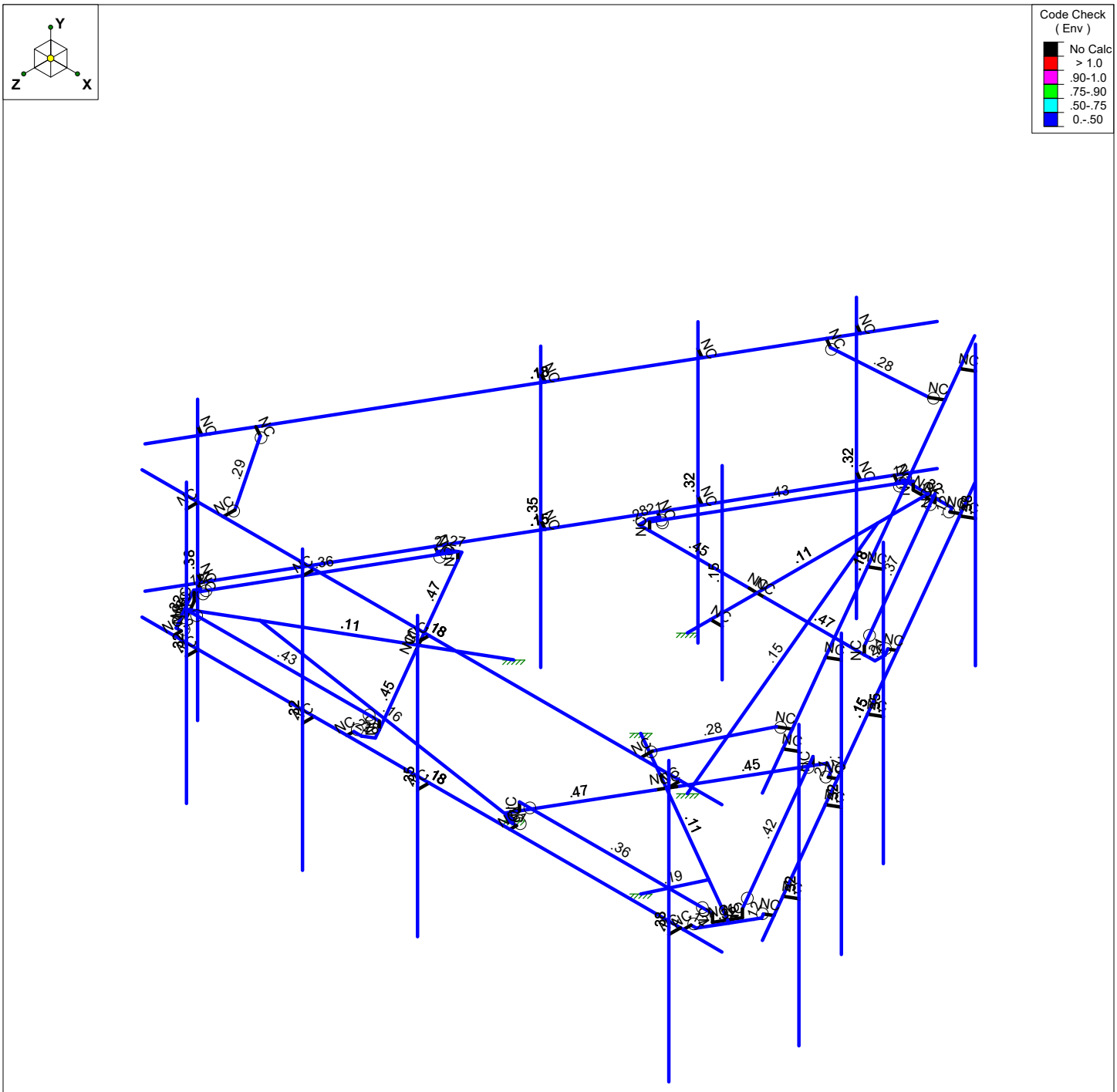
DETAIL J
APEX "A" PLATE DETAIL



DETAIL K
"B" PLATE DETAIL

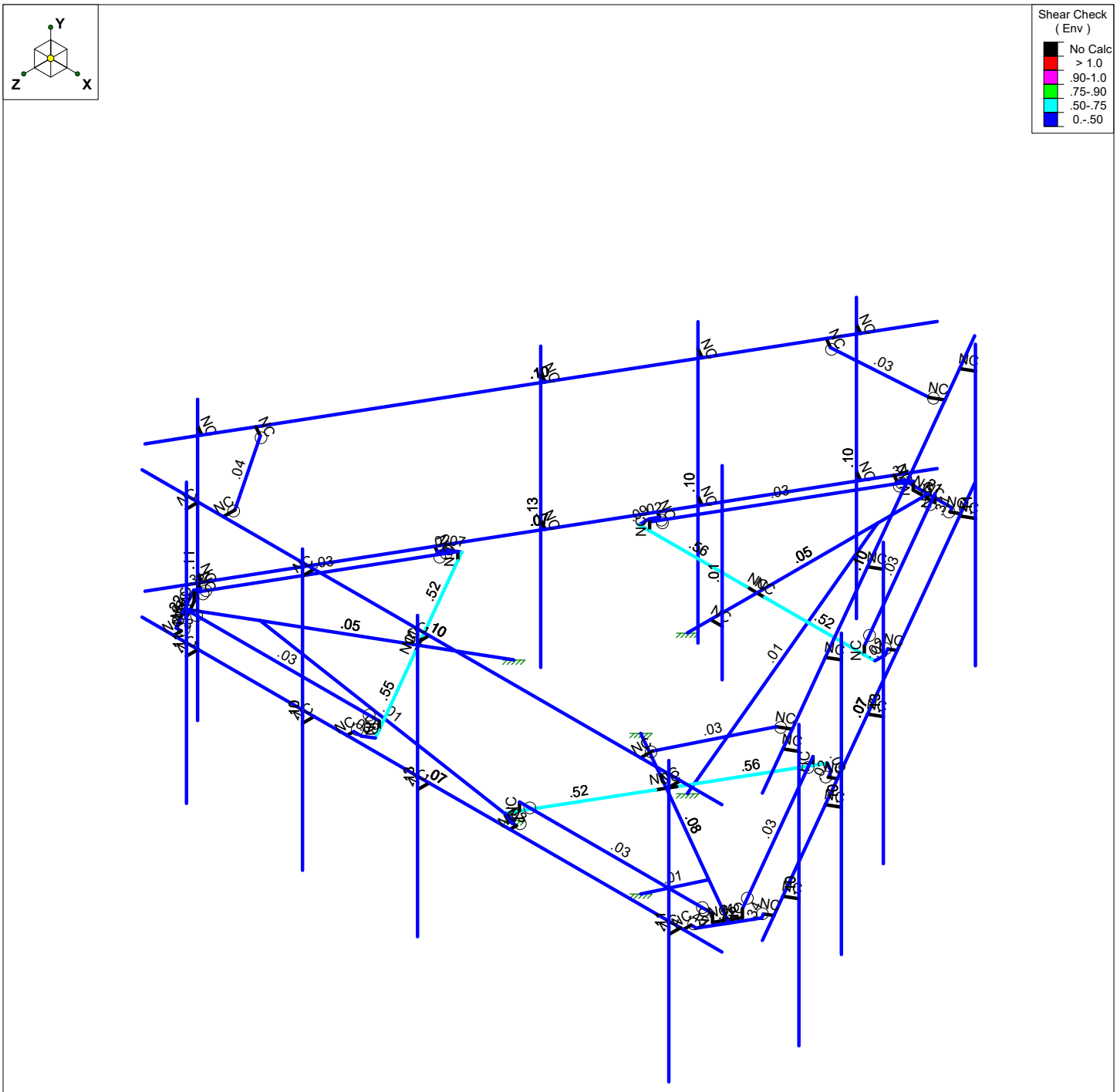


		SK - 1
		Apr 25, 2022 at 3:41 PM
		468541-VZW_MT_LO_H.r3d



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

		SK - 2
		Apr 25, 2022 at 3:41 PM
		468541-VZW_MT_LO_H.r3d



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

		SK - 3
		Apr 25, 2022 at 3:41 PM
		468541-VZW_MT_LO_H.r3d

Basic Load Cases

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

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						122		
58	Structure Wi (150 De...	None						122		
59	Structure Wi (180 De...	None						122		
60	Structure Wi (210 De...	None						122		
61	Structure Wi (240 De...	None						122		
62	Structure Wi (270 De...	None						122		
63	Structure Wi (300 De...	None						122		
64	Structure Wi (330 De...	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 De...	None						122		
67	Structure Wm (60 De...	None						122		
68	Structure Wm (90 De...	None						122		
69	Structure Wm (120 D...	None						122		
70	Structure Wm (150 D...	None						122		
71	Structure Wm (180 D...	None						122		
72	Structure Wm (210 D...	None						122		
73	Structure Wm (240 D...	None						122		
74	Structure Wm (270 D...	None						122		
75	Structure Wm (300 D...	None						122		
76	Structure Wm (330 D...	None						122		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					93			
82	Antenna Eh (0 Deg)	None					62			
83	Antenna Eh (90 Deg)	None					62			
84	Structure Ev	ELY		-.043					3	
85	Structure Eh (0 Deg)	ELZ			-.107				3	
86	Structure Eh (90 Deg)	ELX	.107						3	
87	BLC 39 Transient Are...	None						30		
88	BLC 40 Transient Are...	None						30		
89	BLC 84 Transient Are...	None						30		
90	BLC 85 Transient Are...	None						30		
91	BLC 86 Transient Are...	None						30		

Load Combinations

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

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
18	1.2D + 1.0Di + 1.0Wi (150 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (180 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (210 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	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 + 1.0Eh (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (240 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 ...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (240 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
75	0.9D - 1.0Ev + 1.0Eh (330 D...	Yes	Y		1	.9	39	.9	81	-1	E...	-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	1.371207	0	0.858333	0	
2	N2	3.941078	0	-0.592815	0	
3	N3	1.512693	0.166667	3.613272	0	
4	N4	3.827797	0.166667	-0.396606	0	
5	N5	2.670245	0	1.608333	0	
6	N6	5.863714	0	3.452083	0	
7	N7	0	0	0.066667	0	
8	N8	1.512693	0	3.613272	0	
9	N9	3.827797	0	-0.396606	0	
10	N10	1.399412	0	3.809481	0	
11	N11	2.753578	0	1.463996	0	
12	N12	2.586912	0	1.752671	0	
13	N13	4.130521	0	-0.48344	0	
14	N14	1.588855	0	3.918856	0	
15	N15	1.755521	0	3.918856	0	
16	N16	5.493922	0	3.898628	0	
17	N17	4.213855	0	-0.339102	0	
18	N18	6.065537	0	2.908562	0	
19	N19	1.755521	0	4.06469	0	
20	N20	4.34015	0	-0.412019	0	
21	N21	6.121526	0	3.005539	0	
22	N22	5.605901	0	3.898628	0	
23	N23	5.493922	0	4.06469	0	
24	N24	6.209351	0	2.825531	0	
25	N25	5.791545	0	3.410417	0	
26	N26	5.674426	0.166667	3.613272	0	
27	N27	5.674426	0	3.613272	0	
28	N28	5.908664	0.166667	3.207561	0	
29	N29	5.908664	0	3.207561	0	
30	N30	-0.	0	-1.516667	0	
31	N31	-2.541667	0	-3.016667	0	
32	N32	2.315104	0.166667	-3.016667	0	
33	N33	-2.315104	0.166667	-3.016667	0	
34	N34	-0.	0	-3.016667	0	
35	N35	-0.	0	-6.704167	0	
36	N36	2.315104	0	-3.016667	0	
37	N37	-2.315104	0	-3.016667	0	
38	N38	2.541667	0	-3.016667	0	
39	N39	-0.166667	0	-3.016667	0	
40	N40	0.166667	0	-3.016667	0	
41	N41	-2.541667	0	-3.235417	0	
42	N42	2.541667	0	-3.235417	0	
43	N43	2.458333	0	-3.379754	0	
44	N44	0.571615	0	-6.60719	0	
45	N45	-2.458333	0	-3.379754	0	
46	N46	-0.571615	0	-6.60719	0	
47	N47	2.584629	0	-3.452671	0	
48	N48	-2.584629	0	-3.452671	0	
49	N49	-0.515625	0	-6.704167	0	
50	N50	0.515625	0	-6.704167	0	
51	N51	0.715429	0	-6.690221	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N52	-0.715429	0	-6.690221	0	
53	N53	-0.	0	-6.620833	0	
54	N54	0.234238	0.166667	-6.620833	0	
55	N55	0.234238	0	-6.620833	0	
56	N56	-0.234238	0.166667	-6.620833	0	
57	N57	-0.234238	0	-6.620833	0	
58	N58	-1.371207	0	0.858333	0	
59	N59	-1.399412	0	3.809481	0	
60	N60	-3.827797	0.166667	-0.396606	0	
61	N61	-1.512693	0.166667	3.613272	0	
62	N62	-2.670245	0	1.608333	0	
63	N63	-5.863714	0	3.452083	0	
64	N64	-3.827797	0	-0.396606	0	
65	N65	-1.512693	0	3.613272	0	
66	N66	-3.941078	0	-0.592815	0	
67	N67	-2.586912	0	1.752671	0	
68	N68	-2.753578	0	1.463996	0	
69	N69	-1.588855	0	3.918856	0	
70	N70	-4.130521	0	-0.48344	0	
71	N71	-4.213855	0	-0.339102	0	
72	N72	-6.065537	0	2.908562	0	
73	N73	-1.755521	0	3.918856	0	
74	N74	-5.493922	0	3.898628	0	
75	N75	-4.34015	0	-0.412019	0	
76	N76	-1.755521	0	4.06469	0	
77	N77	-5.605901	0	3.898628	0	
78	N78	-6.121526	0	3.005539	0	
79	N79	-6.209351	0	2.825531	0	
80	N80	-5.493922	0	4.06469	0	
81	N81	-5.791545	0	3.410417	0	
82	N82	-5.908664	0.166667	3.207561	0	
83	N83	-5.908664	0	3.207561	0	
84	N84	-5.674426	0.166667	3.613272	0	
85	N85	-5.674426	0	3.613272	0	
86	N86	6.327255	0	4.06469	0	
87	N87	-6.172745	0	4.06469	0	
88	N88	0.298762	0	-7.411909	0	
89	N89	6.548762	0	3.413409	0	
90	N90	-6.626017	0	3.547219	0	
91	N91	-0.376017	0	-7.278099	0	
92	N92	5.431422	0	4.06469	0	
93	N93	5.431422	0	4.31469	0	
94	N94	5.431422	3.25	4.31469	0	
95	N95	5.431422	-2.75	4.31469	0	
96	N102	0.014755	0	4.06469	0	
97	N103	0.014755	0	4.31469	0	
98	N104	0.014755	3.25	4.31469	0	
99	N105	0.014755	-2.75	4.31469	0	
100	N106	-2.464411	0	4.06469	0	
101	N107	-2.464411	0	4.31469	0	
102	N108	-2.464411	3.25	4.31469	0	
103	N109	-2.464411	-2.75	4.31469	0	
104	N110	-4.964411	0	4.06469	0	
105	N111	-4.964411	0	4.31469	0	
106	N112	-4.964411	3.25	4.31469	0	
107	N113	-4.964411	-2.75	4.31469	0	
108	N115	0.746679	0	-6.636094	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N116	0.963185	0	-6.761094	0	
110	N117	0.963185	3.25	-6.761094	0	
111	N118	0.963185	-2.75	-6.761094	0	
112	N119	3.455012	0	-1.945123	0	
113	N120	3.671518	0	-2.070123	0	
114	N121	3.671518	3.25	-2.070123	0	
115	N122	3.671518	-2.75	-2.070123	0	
116	N132	-6.178101	0	2.771404	0	
117	N133	-6.394607	0	2.646404	0	
118	N134	-6.394607	3.25	2.646404	0	
119	N135	-6.394607	-2.75	2.646404	0	
120	N136	-3.469767	0	-1.919566	0	
121	N137	-3.686274	0	-2.044566	0	
122	N138	-3.686274	3.25	-2.044566	0	
123	N139	-3.686274	-2.75	-2.044566	0	
124	N140	-0.	0	-2.016667	0	
125	N141	0.25	0	-2.016667	0	
126	N142	0.25	-1	-2.016667	0	
127	N143	0.25	3	-2.016667	0	
128	N144	6.327255	2.75	4.06469	0	
129	N145	-6.172745	2.75	4.06469	0	
130	N146A	0.298762	2.75	-7.411909	0	
131	N147A	6.548762	2.75	3.413409	0	
132	N148	-6.626017	2.75	3.547219	0	
133	N149	-0.376017	2.75	-7.278099	0	
134	N150	5.431422	2.75	4.06469	0	
135	N151	5.431422	2.75	4.31469	0	
136	N152	0.014755	2.75	4.06469	0	
137	N153	0.014755	2.75	4.31469	0	
138	N154	-2.464411	2.75	4.06469	0	
139	N155	-2.464411	2.75	4.31469	0	
140	N156	-4.964411	2.75	4.06469	0	
141	N157	-4.964411	2.75	4.31469	0	
142	N158	0.746679	2.75	-6.636094	0	
143	N159	0.963185	2.75	-6.761094	0	
144	N160	3.455012	2.75	-1.945123	0	
145	N161	3.671518	2.75	-2.070123	0	
146	N166	-6.178101	2.75	2.771404	0	
147	N167	-6.394607	2.75	2.646404	0	
148	N168	-3.469767	2.75	-1.919566	0	
149	N169	-3.686274	2.75	-2.044566	0	
150	N174	-4.422745	2.75	4.06469	0	
151	N175	4.577255	2.75	4.06469	0	
152	N176	-4.422745	2.75	3.81469	0	
153	N177	4.577255	2.75	3.81469	0	
154	N179	5.673762	2.75	1.897864	0	
155	N180	1.173762	2.75	-5.896364	0	
156	N181	5.457256	2.75	2.022864	0	
157	N182	0.957256	2.75	-5.771364	0	
158	N184	-1.251017	2.75	-5.762554	0	
159	N185	-5.751017	2.75	2.031674	0	
160	N186	-1.034511	2.75	-5.637554	0	
161	N187	-5.534511	2.75	2.156674	0	
162	N186A	1.371207	-3	0.858333	0	
163	N187A	-0.	-3	-1.516667	0	
164	N189	-0.	0	-5.620833	0	
165	N190	-1.371207	-3	0.858333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N193A	4.835309	0	2.858333	0	
167	N194	-4.835309	0	2.858333	0	
168	N169A	4.694595	0	0.201898	0	
169	N170	4.911102	0	0.076898	0	
170	N171	4.911102	3.25	0.076898	0	
171	N172	4.911102	-2.75	0.076898	0	
172	N173	5.944595	0	2.366961	0	
173	N174A	6.161102	0	2.241961	0	
174	N175A	6.161102	3.25	2.241961	0	
175	N176A	6.161102	-2.75	2.241961	0	
176	N177A	4.694595	2.75	0.201898	0	
177	N178	4.911102	2.75	0.076898	0	
178	N179A	5.944595	2.75	2.366961	0	
179	N180A	6.161102	2.75	2.241961	0	
180	N182A	-2.230184	0	-4.066588	0	
181	N183	-2.44669	0	-4.191588	0	
182	N184A	-2.44669	3.25	-4.191588	0	
183	N185A	-2.44669	-2.75	-4.191588	0	
184	N186B	-0.980184	0	-6.231651	0	
185	N187B	-1.19669	0	-6.356651	0	
186	N188	-1.19669	3.25	-6.356651	0	
187	N189A	-1.19669	-2.75	-6.356651	0	
188	N190A	-2.230184	2.75	-4.066588	0	
189	N191	-2.44669	2.75	-4.191588	0	
190	N192	-0.980184	2.75	-6.231651	0	
191	N193	-1.19669	2.75	-6.356651	0	
192	N192A	-0.793578	2.75	4.06469	0	
193	N193B	-1.435245	2.75	4.06469	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Re...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossmem...	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Corner Supports	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Kickers	LL3x3x3x3	Column	Double Angle (3/8 ...	A36 Gr.36	Typical	2.18	4.09	1.9	.027

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/...	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	N6			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M2	N10	N12		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N11	N2		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N21	N22			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M5	N4	N9		240	RIGID	None	None	RIGID	Typical
6	M6	N3	N8		240	RIGID	None	None	RIGID	Typical
7	M7	N26	N3			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M8	N4	N28			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M9	N28	N29		240	RIGID	None	None	RIGID	Typical
10	M10	N11	N5			RIGID	None	None	RIGID	Typical
11	M11	N5	N12			RIGID	None	None	RIGID	Typical
12	M12	N10	N14			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M13	N14	N15			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M14	N15	N19			RIGID	None	None	RIGID	Typical
15	M15	N22	N16			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M16	N16	N23			RIGID	None	None	RIGID	Typical
17	M17	N2	N13			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M18	N13	N17			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M19	N17	N20			RIGID	None	None	RIGID	Typical
20	M20	N21	N18			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M21	N18	N24			RIGID	None	None	RIGID	Typical
22	M22	N29	N25			RIGID	None	None	RIGID	Typical
23	M23	N25	N27			RIGID	None	None	RIGID	Typical
24	M24	N26	N27		240	RIGID	None	None	RIGID	Typical
25	M25	N30	N35			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M26	N38	N40		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
27	M27	N39	N31		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
28	M28	N49	N50			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M29	N33	N37		240	RIGID	None	None	RIGID	Typical
30	M30	N32	N36		240	RIGID	None	None	RIGID	Typical
31	M31	N54	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N33	N56			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N56	N57		240	RIGID	None	None	RIGID	Typical
34	M34	N39	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N40			RIGID	None	None	RIGID	Typical
36	M36	N38	N42			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N42	N43			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N43	N47			RIGID	None	None	RIGID	Typical
39	M39	N50	N44			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40	N44	N51			RIGID	None	None	RIGID	Typical
41	M41	N31	N41			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M42	N41	N45			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43	N45	N48			RIGID	None	None	RIGID	Typical
44	M44	N49	N46			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45	N46	N52			RIGID	None	None	RIGID	Typical
46	M46	N57	N53			RIGID	None	None	RIGID	Typical
47	M47	N53	N55			RIGID	None	None	RIGID	Typical
48	M48	N54	N55		240	RIGID	None	None	RIGID	Typical
49	M49	N58	N63			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M50	N66	N68		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
51	M51	N67	N59		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
52	M52	N77	N78			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M53	N61	N65		240	RIGID	None	None	RIGID	Typical
54	M54	N60	N64		240	RIGID	None	None	RIGID	Typical
55	M55	N82	N60			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N61	N84			Grating Support	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	M57	N84	N85		240	RIGID	None	None	RIGID	Typical
58	M58	N67	N62			RIGID	None	None	RIGID	Typical
59	M59	N62	N68			RIGID	None	None	RIGID	Typical
60	M60	N66	N70			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M61	N70	N71			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N71	N75			RIGID	None	None	RIGID	Typical
63	M63	N78	N72			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M64	N72	N79			RIGID	None	None	RIGID	Typical
65	M65	N59	N69			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M66	N69	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M67	N73	N76			RIGID	None	None	RIGID	Typical
68	M68	N77	N74			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M69	N74	N80			RIGID	None	None	RIGID	Typical
70	M70	N85	N81			RIGID	None	None	RIGID	Typical
71	M71	N81	N83			RIGID	None	None	RIGID	Typical
72	M72	N82	N83		240	RIGID	None	None	RIGID	Typical
73	M73	N86	N87			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N88	N89			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N90	N91			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76	N92	N93			RIGID	None	None	RIGID	Typical
77	MP1A	N94	N95			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M81	N102	N103			RIGID	None	None	RIGID	Typical
79	MP2A	N104	N105			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	M83	N106	N107			RIGID	None	None	RIGID	Typical
81	MP3A	N108	N109			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M85	N110	N111			RIGID	None	None	RIGID	Typical
83	MP4A	N112	N113			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M87	N115	N116			RIGID	None	None	RIGID	Typical
85	MP1C	N117	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M89	N119	N120			RIGID	None	None	RIGID	Typical
87	MP2C	N121	N122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M95	N132	N133			RIGID	None	None	RIGID	Typical
89	MP1B	N134	N135			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M97	N136	N137			RIGID	None	None	RIGID	Typical
91	MP2B	N138	N139			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	OVP	N143	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	M101	N140	N141			RIGID	None	None	RIGID	Typical
94	M102	N144	N145			Support Rail	Column	Pipe	A53 Gr.B	Typical
95	M103	N146A	N147A			Support Rail	Column	Pipe	A53 Gr.B	Typical
96	M104	N148	N149			Support Rail	Column	Pipe	A53 Gr.B	Typical
97	M105	N150	N151			RIGID	None	None	RIGID	Typical
98	M106	N152	N153			RIGID	None	None	RIGID	Typical
99	M107	N154	N155			RIGID	None	None	RIGID	Typical
100	M108	N156	N157			RIGID	None	None	RIGID	Typical
101	M109	N158	N159			RIGID	None	None	RIGID	Typical
102	M110	N160	N161			RIGID	None	None	RIGID	Typical
103	M113	N166	N167			RIGID	None	None	RIGID	Typical
104	M114	N168	N169			RIGID	None	None	RIGID	Typical
105	M117	N175	N177			RIGID	None	None	RIGID	Typical
106	M118	N174	N176			RIGID	None	None	RIGID	Typical
107	M119	N180	N182			RIGID	None	None	RIGID	Typical
108	M120	N179	N181			RIGID	None	None	RIGID	Typical
109	M121	N185	N187			RIGID	None	None	RIGID	Typical
110	M122	N184	N186			RIGID	None	None	RIGID	Typical
111	M123	N176	N187			Corner Supports	Column	Single Angle	A36 Gr.36	Typical
112	M124	N177	N181			Corner Supports	Column	Single Angle	A36 Gr.36	Typical
113	M125	N186	N182			Corner Supports	Column	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
114	M126	N187A	N189			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
115	M127	N190	N194			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
116	M128	N186A	N193A			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
117	M117A	N169A	N170			RIGID	None	None	RIGID	Typical
118	MP3C	N171	N172		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
119	M119A	N173	N174A			RIGID	None	None	RIGID	Typical
120	MP4C	N175A	N176A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
121	M121A	N177A	N178			RIGID	None	None	RIGID	Typical
122	M122A	N179A	N180A			RIGID	None	None	RIGID	Typical
123	M123A	N182A	N183			RIGID	None	None	RIGID	Typical
124	MP3B	N184A	N185A		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
125	M125A	N186B	N187B			RIGID	None	None	RIGID	Typical
126	MP4B	N188	N189A		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
127	M127A	N190A	N191			RIGID	None	None	RIGID	Typical
128	M128A	N192	N193			RIGID	None	None	RIGID	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Standoff Ho...	5.188			Lbyy						Lateral
2	M2	Platform Cr...	2.375			Lbyy						Lateral
3	M3	Platform Cr...	2.375			Lbyy						Lateral
4	M4	Corner Plate	1.031			Lbyy						Lateral
5	M7	Grating Sup...	4.162			Lbyy						Lateral
6	M8	Grating Sup...	4.162			Lbyy						Lateral
7	M12	Cross Arm ...	.219									Lateral
8	M13	Cross Arm ...	.167									Lateral
9	M15	Corner Plate	.112			Lbyy						Lateral
10	M17	Cross Arm ...	.219									Lateral
11	M18	Cross Arm ...	.167									Lateral
12	M20	Corner Plate	.112			Lbyy						Lateral
13	M25	Standoff Ho...	5.187			Lbyy						Lateral
14	M26	Platform Cr...	2.375			Lbyy						Lateral
15	M27	Platform Cr...	2.375			Lbyy						Lateral
16	M28	Corner Plate	1.031			Lbyy						Lateral
17	M31	Grating Sup...	4.162			Lbyy						Lateral
18	M32	Grating Sup...	4.162			Lbyy						Lateral
19	M36	Cross Arm ...	.219									Lateral
20	M37	Cross Arm ...	.167									Lateral
21	M39	Corner Plate	.112			Lbyy						Lateral
22	M41	Cross Arm ...	.219									Lateral
23	M42	Cross Arm ...	.167									Lateral
24	M44	Corner Plate	.112			Lbyy						Lateral
25	M49	Standoff Ho...	5.188			Lbyy						Lateral
26	M50	Platform Cr...	2.375			Lbyy						Lateral
27	M51	Platform Cr...	2.375			Lbyy						Lateral
28	M52	Corner Plate	1.031			Lbyy						Lateral
29	M55	Grating Sup...	4.162			Lbyy						Lateral
30	M56	Grating Sup...	4.162			Lbyy						Lateral
31	M60	Cross Arm ...	.219									Lateral
32	M61	Cross Arm ...	.167									Lateral
33	M63	Corner Plate	.112			Lbyy						Lateral
34	M65	Cross Arm ...	.219									Lateral
35	M66	Cross Arm ...	.167									Lateral
36	M68	Corner Plate	.112			Lbyy						Lateral
37	M73	Face Horizo...	12.5			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
38	M74	Face Horizo...	12.5			Lbyy						Lateral
39	M75	Face Horizo...	12.5			Lbyy						Lateral
40	MP1A	Mount Pipe	6									Lateral
41	MP2A	Mount Pipe	6									Lateral
42	MP3A	Mount Pipe	6									Lateral
43	MP4A	Mount Pipe	6									Lateral
44	MP1C	Mount Pipe	6									Lateral
45	MP2C	Mount Pipe	6									Lateral
46	MP1B	Mount Pipe	6									Lateral
47	MP2B	Mount Pipe	6									Lateral
48	OVP	Mount Pipe	4									Lateral
49	M102	Support Rail	12.5			Lbyy						Lateral
50	M103	Support Rail	12.5			Lbyy						Lateral
51	M104	Support Rail	12.5			Lbyy						Lateral
52	M123	Corner Sup...	1.996									Lateral
53	M124	Corner Sup...	1.996									Lateral
54	M125	Corner Sup...	1.996									Lateral
55	M126	Kickers	5.084									Lateral
56	M127	Kickers	5									Lateral
57	M128	Kickers	5									Lateral
58	MP3C	Mount Pipe	6									Lateral
59	MP4C	Mount Pipe	6									Lateral
60	MP3B	Mount Pipe	6									Lateral
61	MP4B	Mount Pipe	6									Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	.5
2	MP1A	My	-.022	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-43.55	2.5
5	MP1A	My	-.022	2.5
6	MP1A	Mz	0	2.5
7	MP1B	Y	-43.55	.5
8	MP1B	My	.011	.5
9	MP1B	Mz	-.019	.5
10	MP1B	Y	-43.55	2.5
11	MP1B	My	.011	2.5
12	MP1B	Mz	-.019	2.5
13	MP1C	Y	-43.55	.5
14	MP1C	My	.011	.5
15	MP1C	Mz	.019	.5
16	MP1C	Y	-43.55	2.5
17	MP1C	My	.011	2.5
18	MP1C	Mz	.019	2.5
19	MP2A	Y	-23	.5
20	MP2A	My	-.011	.5
21	MP2A	Mz	-.017	.5
22	MP2A	Y	-23	3.5
23	MP2A	My	-.011	3.5
24	MP2A	Mz	-.017	3.5
25	MP2B	Y	-23	.5
26	MP2B	My	.021	.5
27	MP2B	Mz	-.001	.5
28	MP2B	Y	-23	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	My	.021	3.5
30	MP2B	Mz	-.001	3.5
31	MP2C	Y	-23	.5
32	MP2C	My	-.009	.5
33	MP2C	Mz	.019	.5
34	MP2C	Y	-23	3.5
35	MP2C	My	-.009	3.5
36	MP2C	Mz	.019	3.5
37	MP2A	Y	-23	.5
38	MP2A	My	-.011	.5
39	MP2A	Mz	.017	.5
40	MP2A	Y	-23	3.5
41	MP2A	My	-.011	3.5
42	MP2A	Mz	.017	3.5
43	MP2B	Y	-23	.5
44	MP2B	My	-.009	.5
45	MP2B	Mz	-.019	.5
46	MP2B	Y	-23	3.5
47	MP2B	My	-.009	3.5
48	MP2B	Mz	-.019	3.5
49	MP2C	Y	-23	.5
50	MP2C	My	.021	.5
51	MP2C	Mz	.001	.5
52	MP2C	Y	-23	3.5
53	MP2C	My	.021	3.5
54	MP2C	Mz	.001	3.5
55	MP2A	Y	-84.4	1.5
56	MP2A	My	.042	1.5
57	MP2A	Mz	0	1.5
58	MP2B	Y	-84.4	1.5
59	MP2B	My	-.021	1.5
60	MP2B	Mz	.037	1.5
61	MP2C	Y	-84.4	1.5
62	MP2C	My	-.021	1.5
63	MP2C	Mz	-.037	1.5
64	MP3A	Y	-70.3	1.5
65	MP3A	My	.035	1.5
66	MP3A	Mz	0	1.5
67	MP3B	Y	-70.3	1.5
68	MP3B	My	-.018	1.5
69	MP3B	Mz	.03	1.5
70	MP3C	Y	-70.3	1.5
71	MP3C	My	-.018	1.5
72	MP3C	Mz	-.03	1.5
73	OVP	Y	-32	1
74	OVP	My	0	1
75	OVP	Mz	0	1
76	MP4A	Y	-8.5	.5
77	MP4A	My	-.004	.5
78	MP4A	Mz	0	.5
79	MP4A	Y	-8.5	3.5
80	MP4A	My	-.004	3.5
81	MP4A	Mz	0	3.5
82	MP4B	Y	-8.5	.5
83	MP4B	My	.002	.5
84	MP4B	Mz	-.004	.5
85	MP4B	Y	-8.5	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	My	.002	3.5
87	MP4B	Mz	-.004	3.5
88	MP4C	Y	-8.5	.5
89	MP4C	My	.002	.5
90	MP4C	Mz	.004	.5
91	MP4C	Y	-8.5	3.5
92	MP4C	My	.002	3.5
93	MP4C	Mz	.004	3.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-33.892	.5
2	MP1A	My	-.017	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-33.892	2.5
5	MP1A	My	-.017	2.5
6	MP1A	Mz	0	2.5
7	MP1B	Y	-33.892	.5
8	MP1B	My	.008	.5
9	MP1B	Mz	-.015	.5
10	MP1B	Y	-33.892	2.5
11	MP1B	My	.008	2.5
12	MP1B	Mz	-.015	2.5
13	MP1C	Y	-33.892	.5
14	MP1C	My	.008	.5
15	MP1C	Mz	.015	.5
16	MP1C	Y	-33.892	2.5
17	MP1C	My	.008	2.5
18	MP1C	Mz	.015	2.5
19	MP2A	Y	-78.585	.5
20	MP2A	My	-.039	.5
21	MP2A	Mz	-.059	.5
22	MP2A	Y	-78.585	3.5
23	MP2A	My	-.039	3.5
24	MP2A	Mz	-.059	3.5
25	MP2B	Y	-78.585	.5
26	MP2B	My	.071	.5
27	MP2B	Mz	-.005	.5
28	MP2B	Y	-78.585	3.5
29	MP2B	My	.071	3.5
30	MP2B	Mz	-.005	3.5
31	MP2C	Y	-78.585	.5
32	MP2C	My	-.031	.5
33	MP2C	Mz	.063	.5
34	MP2C	Y	-78.585	3.5
35	MP2C	My	-.031	3.5
36	MP2C	Mz	.063	3.5
37	MP2A	Y	-78.585	.5
38	MP2A	My	-.039	.5
39	MP2A	Mz	.059	.5
40	MP2A	Y	-78.585	3.5
41	MP2A	My	-.039	3.5
42	MP2A	Mz	.059	3.5
43	MP2B	Y	-78.585	.5
44	MP2B	My	-.031	.5
45	MP2B	Mz	-.063	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	Y	-78.585	3.5
47	MP2B	My	-.031	3.5
48	MP2B	Mz	-.063	3.5
49	MP2C	Y	-78.585	.5
50	MP2C	My	.071	.5
51	MP2C	Mz	.005	.5
52	MP2C	Y	-78.585	3.5
53	MP2C	My	.071	3.5
54	MP2C	Mz	.005	3.5
55	MP2A	Y	-42.699	1.5
56	MP2A	My	.021	1.5
57	MP2A	Mz	0	1.5
58	MP2B	Y	-42.699	1.5
59	MP2B	My	-.011	1.5
60	MP2B	Mz	.018	1.5
61	MP2C	Y	-42.699	1.5
62	MP2C	My	-.011	1.5
63	MP2C	Mz	-.018	1.5
64	MP3A	Y	-38.386	1.5
65	MP3A	My	.019	1.5
66	MP3A	Mz	0	1.5
67	MP3B	Y	-38.386	1.5
68	MP3B	My	-.01	1.5
69	MP3B	Mz	.017	1.5
70	MP3C	Y	-38.386	1.5
71	MP3C	My	-.01	1.5
72	MP3C	Mz	-.017	1.5
73	OVP	Y	-83.731	1
74	OVP	My	0	1
75	OVP	Mz	0	1
76	MP4A	Y	-47.14	.5
77	MP4A	My	-.024	.5
78	MP4A	Mz	0	.5
79	MP4A	Y	-47.14	3.5
80	MP4A	My	-.024	3.5
81	MP4A	Mz	0	3.5
82	MP4B	Y	-47.14	.5
83	MP4B	My	.012	.5
84	MP4B	Mz	-.02	.5
85	MP4B	Y	-47.14	3.5
86	MP4B	My	.012	3.5
87	MP4B	Mz	-.02	3.5
88	MP4C	Y	-47.14	.5
89	MP4C	My	.012	.5
90	MP4C	Mz	.02	.5
91	MP4C	Y	-47.14	3.5
92	MP4C	My	.012	3.5
93	MP4C	Mz	.02	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-73.963	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	2.5
5	MP1A	Z	-73.963	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	0	2.5
7	MP1B	X	0	.5
8	MP1B	Z	-37.595	.5
9	MP1B	Mx	.016	.5
10	MP1B	X	0	2.5
11	MP1B	Z	-37.595	2.5
12	MP1B	Mx	.016	2.5
13	MP1C	X	0	.5
14	MP1C	Z	-37.595	.5
15	MP1C	Mx	-.016	.5
16	MP1C	X	0	2.5
17	MP1C	Z	-37.595	2.5
18	MP1C	Mx	-.016	2.5
19	MP2A	X	0	.5
20	MP2A	Z	-186.228	.5
21	MP2A	Mx	.14	.5
22	MP2A	X	0	3.5
23	MP2A	Z	-186.228	3.5
24	MP2A	Mx	.14	3.5
25	MP2B	X	0	.5
26	MP2B	Z	-150.397	.5
27	MP2B	Mx	.009	.5
28	MP2B	X	0	3.5
29	MP2B	Z	-150.397	3.5
30	MP2B	Mx	.009	3.5
31	MP2C	X	0	.5
32	MP2C	Z	-150.397	.5
33	MP2C	Mx	-.122	.5
34	MP2C	X	0	3.5
35	MP2C	Z	-150.397	3.5
36	MP2C	Mx	-.122	3.5
37	MP2A	X	0	.5
38	MP2A	Z	-186.228	.5
39	MP2A	Mx	-.14	.5
40	MP2A	X	0	3.5
41	MP2A	Z	-186.228	3.5
42	MP2A	Mx	-.14	3.5
43	MP2B	X	0	.5
44	MP2B	Z	-150.397	.5
45	MP2B	Mx	.122	.5
46	MP2B	X	0	3.5
47	MP2B	Z	-150.397	3.5
48	MP2B	Mx	.122	3.5
49	MP2C	X	0	.5
50	MP2C	Z	-150.397	.5
51	MP2C	Mx	-.009	.5
52	MP2C	X	0	3.5
53	MP2C	Z	-150.397	3.5
54	MP2C	Mx	-.009	3.5
55	MP2A	X	0	1.5
56	MP2A	Z	-58.491	1.5
57	MP2A	Mx	0	1.5
58	MP2B	X	0	1.5
59	MP2B	Z	-44.057	1.5
60	MP2B	Mx	-.019	1.5
61	MP2C	X	0	1.5
62	MP2C	Z	-44.057	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.019	1.5
64	MP3A	X	0	1.5
65	MP3A	Z	-58.491	1.5
66	MP3A	Mx	0	1.5
67	MP3B	X	0	1.5
68	MP3B	Z	-38.68	1.5
69	MP3B	Mx	-.017	1.5
70	MP3C	X	0	1.5
71	MP3C	Z	-38.68	1.5
72	MP3C	Mx	.017	1.5
73	OVP	X	0	1
74	OVP	Z	-119.624	1
75	OVP	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	-142.831	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	3.5
80	MP4A	Z	-142.831	3.5
81	MP4A	Mx	0	3.5
82	MP4B	X	0	.5
83	MP4B	Z	-88.851	.5
84	MP4B	Mx	.038	.5
85	MP4B	X	0	3.5
86	MP4B	Z	-88.851	3.5
87	MP4B	Mx	.038	3.5
88	MP4C	X	0	.5
89	MP4C	Z	-88.851	.5
90	MP4C	Mx	-.038	.5
91	MP4C	X	0	3.5
92	MP4C	Z	-88.851	3.5
93	MP4C	Mx	-.038	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	30.92	.5
2	MP1A	Z	-53.555	.5
3	MP1A	Mx	-.015	.5
4	MP1A	X	30.92	2.5
5	MP1A	Z	-53.555	2.5
6	MP1A	Mx	-.015	2.5
7	MP1B	X	12.736	.5
8	MP1B	Z	-22.059	.5
9	MP1B	Mx	.013	.5
10	MP1B	X	12.736	2.5
11	MP1B	Z	-22.059	2.5
12	MP1B	Mx	.013	2.5
13	MP1C	X	30.92	.5
14	MP1C	Z	-53.555	.5
15	MP1C	Mx	-.015	.5
16	MP1C	X	30.92	2.5
17	MP1C	Z	-53.555	2.5
18	MP1C	Mx	-.015	2.5
19	MP2A	X	87.142	.5
20	MP2A	Z	-150.935	.5
21	MP2A	Mx	.07	.5
22	MP2A	X	87.142	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-150.935	3.5
24	MP2A	Mx	.07	3.5
25	MP2B	X	69.227	.5
26	MP2B	Z	-119.904	.5
27	MP2B	Mx	.069	.5
28	MP2B	X	69.227	3.5
29	MP2B	Z	-119.904	3.5
30	MP2B	Mx	.069	3.5
31	MP2C	X	87.142	.5
32	MP2C	Z	-150.935	.5
33	MP2C	Mx	-.157	.5
34	MP2C	X	87.142	3.5
35	MP2C	Z	-150.935	3.5
36	MP2C	Mx	-.157	3.5
37	MP2A	X	87.142	.5
38	MP2A	Z	-150.935	.5
39	MP2A	Mx	-.157	.5
40	MP2A	X	87.142	3.5
41	MP2A	Z	-150.935	3.5
42	MP2A	Mx	-.157	3.5
43	MP2B	X	69.227	.5
44	MP2B	Z	-119.904	.5
45	MP2B	Mx	.069	.5
46	MP2B	X	69.227	3.5
47	MP2B	Z	-119.904	3.5
48	MP2B	Mx	.069	3.5
49	MP2C	X	87.142	.5
50	MP2C	Z	-150.935	.5
51	MP2C	Mx	.07	.5
52	MP2C	X	87.142	3.5
53	MP2C	Z	-150.935	3.5
54	MP2C	Mx	.07	3.5
55	MP2A	X	26.84	1.5
56	MP2A	Z	-46.488	1.5
57	MP2A	Mx	.013	1.5
58	MP2B	X	19.623	1.5
59	MP2B	Z	-33.988	1.5
60	MP2B	Mx	-.02	1.5
61	MP2C	X	26.84	1.5
62	MP2C	Z	-46.488	1.5
63	MP2C	Mx	.013	1.5
64	MP3A	X	25.944	1.5
65	MP3A	Z	-44.936	1.5
66	MP3A	Mx	.013	1.5
67	MP3B	X	16.038	1.5
68	MP3B	Z	-27.778	1.5
69	MP3B	Mx	-.016	1.5
70	MP3C	X	25.944	1.5
71	MP3C	Z	-44.936	1.5
72	MP3C	Mx	.013	1.5
73	OVP	X	56.227	1
74	OVP	Z	-97.388	1
75	OVP	Mx	0	1
76	MP4A	X	62.419	.5
77	MP4A	Z	-108.113	.5
78	MP4A	Mx	-.031	.5
79	MP4A	X	62.419	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	-108.113	3.5
81	MP4A	Mx	-.031	3.5
82	MP4B	X	35.429	.5
83	MP4B	Z	-61.365	.5
84	MP4B	Mx	.035	.5
85	MP4B	X	35.429	3.5
86	MP4B	Z	-61.365	3.5
87	MP4B	Mx	.035	3.5
88	MP4C	X	62.419	.5
89	MP4C	Z	-108.113	.5
90	MP4C	Mx	-.031	.5
91	MP4C	X	62.419	3.5
92	MP4C	Z	-108.113	3.5
93	MP4C	Mx	-.031	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	32.558	.5
2	MP1A	Z	-18.797	.5
3	MP1A	Mx	-.016	.5
4	MP1A	X	32.558	2.5
5	MP1A	Z	-18.797	2.5
6	MP1A	Mx	-.016	2.5
7	MP1B	X	32.558	.5
8	MP1B	Z	-18.797	.5
9	MP1B	Mx	.016	.5
10	MP1B	X	32.558	2.5
11	MP1B	Z	-18.797	2.5
12	MP1B	Mx	.016	2.5
13	MP1C	X	64.054	.5
14	MP1C	Z	-36.981	.5
15	MP1C	Mx	0	.5
16	MP1C	X	64.054	2.5
17	MP1C	Z	-36.981	2.5
18	MP1C	Mx	0	2.5
19	MP2A	X	130.248	.5
20	MP2A	Z	-75.198	.5
21	MP2A	Mx	-.009	.5
22	MP2A	X	130.248	3.5
23	MP2A	Z	-75.198	3.5
24	MP2A	Mx	-.009	3.5
25	MP2B	X	130.248	.5
26	MP2B	Z	-75.198	.5
27	MP2B	Mx	.122	.5
28	MP2B	X	130.248	3.5
29	MP2B	Z	-75.198	3.5
30	MP2B	Mx	.122	3.5
31	MP2C	X	161.278	.5
32	MP2C	Z	-93.114	.5
33	MP2C	Mx	-.14	.5
34	MP2C	X	161.278	3.5
35	MP2C	Z	-93.114	3.5
36	MP2C	Mx	-.14	3.5
37	MP2A	X	130.248	.5
38	MP2A	Z	-75.198	.5
39	MP2A	Mx	-.122	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	130.248	3.5
41	MP2A	Z	-75.198	3.5
42	MP2A	Mx	-.122	3.5
43	MP2B	X	130.248	.5
44	MP2B	Z	-75.198	.5
45	MP2B	Mx	.009	.5
46	MP2B	X	130.248	3.5
47	MP2B	Z	-75.198	3.5
48	MP2B	Mx	.009	3.5
49	MP2C	X	161.278	.5
50	MP2C	Z	-93.114	.5
51	MP2C	Mx	.14	.5
52	MP2C	X	161.278	3.5
53	MP2C	Z	-93.114	3.5
54	MP2C	Mx	.14	3.5
55	MP2A	X	38.154	1.5
56	MP2A	Z	-22.028	1.5
57	MP2A	Mx	.019	1.5
58	MP2B	X	38.154	1.5
59	MP2B	Z	-22.028	1.5
60	MP2B	Mx	-.019	1.5
61	MP2C	X	50.655	1.5
62	MP2C	Z	-29.246	1.5
63	MP2C	Mx	0	1.5
64	MP3A	X	33.498	1.5
65	MP3A	Z	-19.34	1.5
66	MP3A	Mx	.017	1.5
67	MP3B	X	33.498	1.5
68	MP3B	Z	-19.34	1.5
69	MP3B	Mx	-.017	1.5
70	MP3C	X	50.655	1.5
71	MP3C	Z	-29.246	1.5
72	MP3C	Mx	0	1.5
73	OVP	X	84.969	1
74	OVP	Z	-49.057	1
75	OVP	Mx	0	1
76	MP4A	X	76.948	.5
77	MP4A	Z	-44.426	.5
78	MP4A	Mx	-.038	.5
79	MP4A	X	76.948	3.5
80	MP4A	Z	-44.426	3.5
81	MP4A	Mx	-.038	3.5
82	MP4B	X	76.948	.5
83	MP4B	Z	-44.426	.5
84	MP4B	Mx	.038	.5
85	MP4B	X	76.948	3.5
86	MP4B	Z	-44.426	3.5
87	MP4B	Mx	.038	3.5
88	MP4C	X	123.696	.5
89	MP4C	Z	-71.416	.5
90	MP4C	Mx	0	.5
91	MP4C	X	123.696	3.5
92	MP4C	Z	-71.416	3.5
93	MP4C	Mx	0	3.5

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	25.472	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.013	.5
4	MP1A	X	25.472	2.5
5	MP1A	Z	0	2.5
6	MP1A	Mx	-.013	2.5
7	MP1B	X	61.84	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.015	.5
10	MP1B	X	61.84	2.5
11	MP1B	Z	0	2.5
12	MP1B	Mx	.015	2.5
13	MP1C	X	61.84	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.015	.5
16	MP1C	X	61.84	2.5
17	MP1C	Z	0	2.5
18	MP1C	Mx	.015	2.5
19	MP2A	X	138.453	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.069	.5
22	MP2A	X	138.453	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	-.069	3.5
25	MP2B	X	174.284	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.157	.5
28	MP2B	X	174.284	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	.157	3.5
31	MP2C	X	174.284	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.07	.5
34	MP2C	X	174.284	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	-.07	3.5
37	MP2A	X	138.453	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.069	.5
40	MP2A	X	138.453	3.5
41	MP2A	Z	0	3.5
42	MP2A	Mx	-.069	3.5
43	MP2B	X	174.284	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.07	.5
46	MP2B	X	174.284	3.5
47	MP2B	Z	0	3.5
48	MP2B	Mx	-.07	3.5
49	MP2C	X	174.284	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.157	.5
52	MP2C	X	174.284	3.5
53	MP2C	Z	0	3.5
54	MP2C	Mx	.157	3.5
55	MP2A	X	39.246	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	.02	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	53.68	1.5
59	MP2B	Z	0	1.5
60	MP2B	Mx	-.013	1.5
61	MP2C	X	53.68	1.5
62	MP2C	Z	0	1.5
63	MP2C	Mx	-.013	1.5
64	MP3A	X	32.076	1.5
65	MP3A	Z	0	1.5
66	MP3A	Mx	.016	1.5
67	MP3B	X	51.887	1.5
68	MP3B	Z	0	1.5
69	MP3B	Mx	-.013	1.5
70	MP3C	X	51.887	1.5
71	MP3C	Z	0	1.5
72	MP3C	Mx	-.013	1.5
73	OVP	X	90.944	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP4A	X	70.858	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.035	.5
79	MP4A	X	70.858	3.5
80	MP4A	Z	0	3.5
81	MP4A	Mx	-.035	3.5
82	MP4B	X	124.838	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	.031	.5
85	MP4B	X	124.838	3.5
86	MP4B	Z	0	3.5
87	MP4B	Mx	.031	3.5
88	MP4C	X	124.838	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	.031	.5
91	MP4C	X	124.838	3.5
92	MP4C	Z	0	3.5
93	MP4C	Mx	.031	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	32.558	.5
2	MP1A	Z	18.797	.5
3	MP1A	Mx	-.016	.5
4	MP1A	X	32.558	2.5
5	MP1A	Z	18.797	2.5
6	MP1A	Mx	-.016	2.5
7	MP1B	X	64.054	.5
8	MP1B	Z	36.981	.5
9	MP1B	Mx	0	.5
10	MP1B	X	64.054	2.5
11	MP1B	Z	36.981	2.5
12	MP1B	Mx	0	2.5
13	MP1C	X	32.558	.5
14	MP1C	Z	18.797	.5
15	MP1C	Mx	.016	.5
16	MP1C	X	32.558	2.5
17	MP1C	Z	18.797	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	.016	2.5
19	MP2A	X	130.248	.5
20	MP2A	Z	75.198	.5
21	MP2A	Mx	-.122	.5
22	MP2A	X	130.248	3.5
23	MP2A	Z	75.198	3.5
24	MP2A	Mx	-.122	3.5
25	MP2B	X	161.278	.5
26	MP2B	Z	93.114	.5
27	MP2B	Mx	.14	.5
28	MP2B	X	161.278	3.5
29	MP2B	Z	93.114	3.5
30	MP2B	Mx	.14	3.5
31	MP2C	X	130.248	.5
32	MP2C	Z	75.198	.5
33	MP2C	Mx	.009	.5
34	MP2C	X	130.248	3.5
35	MP2C	Z	75.198	3.5
36	MP2C	Mx	.009	3.5
37	MP2A	X	130.248	.5
38	MP2A	Z	75.198	.5
39	MP2A	Mx	-.009	.5
40	MP2A	X	130.248	3.5
41	MP2A	Z	75.198	3.5
42	MP2A	Mx	-.009	3.5
43	MP2B	X	161.278	.5
44	MP2B	Z	93.114	.5
45	MP2B	Mx	-.14	.5
46	MP2B	X	161.278	3.5
47	MP2B	Z	93.114	3.5
48	MP2B	Mx	-.14	3.5
49	MP2C	X	130.248	.5
50	MP2C	Z	75.198	.5
51	MP2C	Mx	.122	.5
52	MP2C	X	130.248	3.5
53	MP2C	Z	75.198	3.5
54	MP2C	Mx	.122	3.5
55	MP2A	X	38.154	1.5
56	MP2A	Z	22.028	1.5
57	MP2A	Mx	.019	1.5
58	MP2B	X	50.655	1.5
59	MP2B	Z	29.246	1.5
60	MP2B	Mx	0	1.5
61	MP2C	X	38.154	1.5
62	MP2C	Z	22.028	1.5
63	MP2C	Mx	-.019	1.5
64	MP3A	X	33.498	1.5
65	MP3A	Z	19.34	1.5
66	MP3A	Mx	.017	1.5
67	MP3B	X	50.655	1.5
68	MP3B	Z	29.246	1.5
69	MP3B	Mx	0	1.5
70	MP3C	X	33.498	1.5
71	MP3C	Z	19.34	1.5
72	MP3C	Mx	-.017	1.5
73	OVP	X	84.969	1
74	OVP	Z	49.057	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP	Mx	0	1
76	MP4A	X	76.948	.5
77	MP4A	Z	44.426	.5
78	MP4A	Mx	-.038	.5
79	MP4A	X	76.948	3.5
80	MP4A	Z	44.426	3.5
81	MP4A	Mx	-.038	3.5
82	MP4B	X	123.696	.5
83	MP4B	Z	71.416	.5
84	MP4B	Mx	0	.5
85	MP4B	X	123.696	3.5
86	MP4B	Z	71.416	3.5
87	MP4B	Mx	0	3.5
88	MP4C	X	76.948	.5
89	MP4C	Z	44.426	.5
90	MP4C	Mx	.038	.5
91	MP4C	X	76.948	3.5
92	MP4C	Z	44.426	3.5
93	MP4C	Mx	.038	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	30.92	.5
2	MP1A	Z	53.555	.5
3	MP1A	Mx	-.015	.5
4	MP1A	X	30.92	2.5
5	MP1A	Z	53.555	2.5
6	MP1A	Mx	-.015	2.5
7	MP1B	X	30.92	.5
8	MP1B	Z	53.555	.5
9	MP1B	Mx	-.015	.5
10	MP1B	X	30.92	2.5
11	MP1B	Z	53.555	2.5
12	MP1B	Mx	-.015	2.5
13	MP1C	X	12.736	.5
14	MP1C	Z	22.059	.5
15	MP1C	Mx	.013	.5
16	MP1C	X	12.736	2.5
17	MP1C	Z	22.059	2.5
18	MP1C	Mx	.013	2.5
19	MP2A	X	87.142	.5
20	MP2A	Z	150.935	.5
21	MP2A	Mx	-.157	.5
22	MP2A	X	87.142	3.5
23	MP2A	Z	150.935	3.5
24	MP2A	Mx	-.157	3.5
25	MP2B	X	87.142	.5
26	MP2B	Z	150.935	.5
27	MP2B	Mx	.07	.5
28	MP2B	X	87.142	3.5
29	MP2B	Z	150.935	3.5
30	MP2B	Mx	.07	3.5
31	MP2C	X	69.227	.5
32	MP2C	Z	119.904	.5
33	MP2C	Mx	.069	.5
34	MP2C	X	69.227	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	119.904	3.5
36	MP2C	Mx	.069	3.5
37	MP2A	X	87.142	.5
38	MP2A	Z	150.935	.5
39	MP2A	Mx	.07	.5
40	MP2A	X	87.142	3.5
41	MP2A	Z	150.935	3.5
42	MP2A	Mx	.07	3.5
43	MP2B	X	87.142	.5
44	MP2B	Z	150.935	.5
45	MP2B	Mx	-.157	.5
46	MP2B	X	87.142	3.5
47	MP2B	Z	150.935	3.5
48	MP2B	Mx	-.157	3.5
49	MP2C	X	69.227	.5
50	MP2C	Z	119.904	.5
51	MP2C	Mx	.069	.5
52	MP2C	X	69.227	3.5
53	MP2C	Z	119.904	3.5
54	MP2C	Mx	.069	3.5
55	MP2A	X	26.84	1.5
56	MP2A	Z	46.488	1.5
57	MP2A	Mx	.013	1.5
58	MP2B	X	26.84	1.5
59	MP2B	Z	46.488	1.5
60	MP2B	Mx	.013	1.5
61	MP2C	X	19.623	1.5
62	MP2C	Z	33.988	1.5
63	MP2C	Mx	-.02	1.5
64	MP3A	X	25.944	1.5
65	MP3A	Z	44.936	1.5
66	MP3A	Mx	.013	1.5
67	MP3B	X	25.944	1.5
68	MP3B	Z	44.936	1.5
69	MP3B	Mx	.013	1.5
70	MP3C	X	16.038	1.5
71	MP3C	Z	27.778	1.5
72	MP3C	Mx	-.016	1.5
73	OVP	X	56.227	1
74	OVP	Z	97.388	1
75	OVP	Mx	0	1
76	MP4A	X	62.419	.5
77	MP4A	Z	108.113	.5
78	MP4A	Mx	-.031	.5
79	MP4A	X	62.419	3.5
80	MP4A	Z	108.113	3.5
81	MP4A	Mx	-.031	3.5
82	MP4B	X	62.419	.5
83	MP4B	Z	108.113	.5
84	MP4B	Mx	-.031	.5
85	MP4B	X	62.419	3.5
86	MP4B	Z	108.113	3.5
87	MP4B	Mx	-.031	3.5
88	MP4C	X	35.429	.5
89	MP4C	Z	61.365	.5
90	MP4C	Mx	.035	.5
91	MP4C	X	35.429	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	61.365	3.5
93	MP4C	Mx	.035	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	73.963	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	2.5
5	MP1A	Z	73.963	2.5
6	MP1A	Mx	0	2.5
7	MP1B	X	0	.5
8	MP1B	Z	37.595	.5
9	MP1B	Mx	-.016	.5
10	MP1B	X	0	2.5
11	MP1B	Z	37.595	2.5
12	MP1B	Mx	-.016	2.5
13	MP1C	X	0	.5
14	MP1C	Z	37.595	.5
15	MP1C	Mx	.016	.5
16	MP1C	X	0	2.5
17	MP1C	Z	37.595	2.5
18	MP1C	Mx	.016	2.5
19	MP2A	X	0	.5
20	MP2A	Z	186.228	.5
21	MP2A	Mx	-.14	.5
22	MP2A	X	0	3.5
23	MP2A	Z	186.228	3.5
24	MP2A	Mx	-.14	3.5
25	MP2B	X	0	.5
26	MP2B	Z	150.397	.5
27	MP2B	Mx	-.009	.5
28	MP2B	X	0	3.5
29	MP2B	Z	150.397	3.5
30	MP2B	Mx	-.009	3.5
31	MP2C	X	0	.5
32	MP2C	Z	150.397	.5
33	MP2C	Mx	.122	.5
34	MP2C	X	0	3.5
35	MP2C	Z	150.397	3.5
36	MP2C	Mx	.122	3.5
37	MP2A	X	0	.5
38	MP2A	Z	186.228	.5
39	MP2A	Mx	.14	.5
40	MP2A	X	0	3.5
41	MP2A	Z	186.228	3.5
42	MP2A	Mx	.14	3.5
43	MP2B	X	0	.5
44	MP2B	Z	150.397	.5
45	MP2B	Mx	-.122	.5
46	MP2B	X	0	3.5
47	MP2B	Z	150.397	3.5
48	MP2B	Mx	-.122	3.5
49	MP2C	X	0	.5
50	MP2C	Z	150.397	.5
51	MP2C	Mx	.009	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	0	3.5
53	MP2C	Z	150.397	3.5
54	MP2C	Mx	.009	3.5
55	MP2A	X	0	1.5
56	MP2A	Z	58.491	1.5
57	MP2A	Mx	0	1.5
58	MP2B	X	0	1.5
59	MP2B	Z	44.057	1.5
60	MP2B	Mx	.019	1.5
61	MP2C	X	0	1.5
62	MP2C	Z	44.057	1.5
63	MP2C	Mx	-.019	1.5
64	MP3A	X	0	1.5
65	MP3A	Z	58.491	1.5
66	MP3A	Mx	0	1.5
67	MP3B	X	0	1.5
68	MP3B	Z	38.68	1.5
69	MP3B	Mx	.017	1.5
70	MP3C	X	0	1.5
71	MP3C	Z	38.68	1.5
72	MP3C	Mx	-.017	1.5
73	OVP	X	0	1
74	OVP	Z	119.624	1
75	OVP	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	142.831	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	3.5
80	MP4A	Z	142.831	3.5
81	MP4A	Mx	0	3.5
82	MP4B	X	0	.5
83	MP4B	Z	88.851	.5
84	MP4B	Mx	-.038	.5
85	MP4B	X	0	3.5
86	MP4B	Z	88.851	3.5
87	MP4B	Mx	-.038	3.5
88	MP4C	X	0	.5
89	MP4C	Z	88.851	.5
90	MP4C	Mx	.038	.5
91	MP4C	X	0	3.5
92	MP4C	Z	88.851	3.5
93	MP4C	Mx	.038	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-30.92	.5
2	MP1A	Z	53.555	.5
3	MP1A	Mx	.015	.5
4	MP1A	X	-30.92	2.5
5	MP1A	Z	53.555	2.5
6	MP1A	Mx	.015	2.5
7	MP1B	X	-12.736	.5
8	MP1B	Z	22.059	.5
9	MP1B	Mx	-.013	.5
10	MP1B	X	-12.736	2.5
11	MP1B	Z	22.059	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.013	2.5
13	MP1C	X	-30.92	.5
14	MP1C	Z	53.555	.5
15	MP1C	Mx	.015	.5
16	MP1C	X	-30.92	2.5
17	MP1C	Z	53.555	2.5
18	MP1C	Mx	.015	2.5
19	MP2A	X	-87.142	.5
20	MP2A	Z	150.935	.5
21	MP2A	Mx	-.07	.5
22	MP2A	X	-87.142	3.5
23	MP2A	Z	150.935	3.5
24	MP2A	Mx	-.07	3.5
25	MP2B	X	-69.227	.5
26	MP2B	Z	119.904	.5
27	MP2B	Mx	-.069	.5
28	MP2B	X	-69.227	3.5
29	MP2B	Z	119.904	3.5
30	MP2B	Mx	-.069	3.5
31	MP2C	X	-87.142	.5
32	MP2C	Z	150.935	.5
33	MP2C	Mx	.157	.5
34	MP2C	X	-87.142	3.5
35	MP2C	Z	150.935	3.5
36	MP2C	Mx	.157	3.5
37	MP2A	X	-87.142	.5
38	MP2A	Z	150.935	.5
39	MP2A	Mx	.157	.5
40	MP2A	X	-87.142	3.5
41	MP2A	Z	150.935	3.5
42	MP2A	Mx	.157	3.5
43	MP2B	X	-69.227	.5
44	MP2B	Z	119.904	.5
45	MP2B	Mx	-.069	.5
46	MP2B	X	-69.227	3.5
47	MP2B	Z	119.904	3.5
48	MP2B	Mx	-.069	3.5
49	MP2C	X	-87.142	.5
50	MP2C	Z	150.935	.5
51	MP2C	Mx	-.07	.5
52	MP2C	X	-87.142	3.5
53	MP2C	Z	150.935	3.5
54	MP2C	Mx	-.07	3.5
55	MP2A	X	-26.84	1.5
56	MP2A	Z	46.488	1.5
57	MP2A	Mx	-.013	1.5
58	MP2B	X	-19.623	1.5
59	MP2B	Z	33.988	1.5
60	MP2B	Mx	.02	1.5
61	MP2C	X	-26.84	1.5
62	MP2C	Z	46.488	1.5
63	MP2C	Mx	-.013	1.5
64	MP3A	X	-25.944	1.5
65	MP3A	Z	44.936	1.5
66	MP3A	Mx	-.013	1.5
67	MP3B	X	-16.038	1.5
68	MP3B	Z	27.778	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	.016	1.5
70	MP3C	X	-25.944	1.5
71	MP3C	Z	44.936	1.5
72	MP3C	Mx	-.013	1.5
73	OVP	X	-56.227	1
74	OVP	Z	97.388	1
75	OVP	Mx	0	1
76	MP4A	X	-62.419	.5
77	MP4A	Z	108.113	.5
78	MP4A	Mx	.031	.5
79	MP4A	X	-62.419	3.5
80	MP4A	Z	108.113	3.5
81	MP4A	Mx	.031	3.5
82	MP4B	X	-35.429	.5
83	MP4B	Z	61.365	.5
84	MP4B	Mx	-.035	.5
85	MP4B	X	-35.429	3.5
86	MP4B	Z	61.365	3.5
87	MP4B	Mx	-.035	3.5
88	MP4C	X	-62.419	.5
89	MP4C	Z	108.113	.5
90	MP4C	Mx	.031	.5
91	MP4C	X	-62.419	3.5
92	MP4C	Z	108.113	3.5
93	MP4C	Mx	.031	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-32.558	.5
2	MP1A	Z	18.797	.5
3	MP1A	Mx	.016	.5
4	MP1A	X	-32.558	2.5
5	MP1A	Z	18.797	2.5
6	MP1A	Mx	.016	2.5
7	MP1B	X	-32.558	.5
8	MP1B	Z	18.797	.5
9	MP1B	Mx	-.016	.5
10	MP1B	X	-32.558	2.5
11	MP1B	Z	18.797	2.5
12	MP1B	Mx	-.016	2.5
13	MP1C	X	-64.054	.5
14	MP1C	Z	36.981	.5
15	MP1C	Mx	0	.5
16	MP1C	X	-64.054	2.5
17	MP1C	Z	36.981	2.5
18	MP1C	Mx	0	2.5
19	MP2A	X	-130.248	.5
20	MP2A	Z	75.198	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	-130.248	3.5
23	MP2A	Z	75.198	3.5
24	MP2A	Mx	.009	3.5
25	MP2B	X	-130.248	.5
26	MP2B	Z	75.198	.5
27	MP2B	Mx	-.122	.5
28	MP2B	X	-130.248	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	75.198	3.5
30	MP2B	Mx	-.122	3.5
31	MP2C	X	-161.278	.5
32	MP2C	Z	93.114	.5
33	MP2C	Mx	.14	.5
34	MP2C	X	-161.278	3.5
35	MP2C	Z	93.114	3.5
36	MP2C	Mx	.14	3.5
37	MP2A	X	-130.248	.5
38	MP2A	Z	75.198	.5
39	MP2A	Mx	.122	.5
40	MP2A	X	-130.248	3.5
41	MP2A	Z	75.198	3.5
42	MP2A	Mx	.122	3.5
43	MP2B	X	-130.248	.5
44	MP2B	Z	75.198	.5
45	MP2B	Mx	-.009	.5
46	MP2B	X	-130.248	3.5
47	MP2B	Z	75.198	3.5
48	MP2B	Mx	-.009	3.5
49	MP2C	X	-161.278	.5
50	MP2C	Z	93.114	.5
51	MP2C	Mx	-.14	.5
52	MP2C	X	-161.278	3.5
53	MP2C	Z	93.114	3.5
54	MP2C	Mx	-.14	3.5
55	MP2A	X	-38.154	1.5
56	MP2A	Z	22.028	1.5
57	MP2A	Mx	-.019	1.5
58	MP2B	X	-38.154	1.5
59	MP2B	Z	22.028	1.5
60	MP2B	Mx	.019	1.5
61	MP2C	X	-50.655	1.5
62	MP2C	Z	29.246	1.5
63	MP2C	Mx	0	1.5
64	MP3A	X	-33.498	1.5
65	MP3A	Z	19.34	1.5
66	MP3A	Mx	-.017	1.5
67	MP3B	X	-33.498	1.5
68	MP3B	Z	19.34	1.5
69	MP3B	Mx	.017	1.5
70	MP3C	X	-50.655	1.5
71	MP3C	Z	29.246	1.5
72	MP3C	Mx	0	1.5
73	OVP	X	-84.969	1
74	OVP	Z	49.057	1
75	OVP	Mx	0	1
76	MP4A	X	-76.948	.5
77	MP4A	Z	44.426	.5
78	MP4A	Mx	.038	.5
79	MP4A	X	-76.948	3.5
80	MP4A	Z	44.426	3.5
81	MP4A	Mx	.038	3.5
82	MP4B	X	-76.948	.5
83	MP4B	Z	44.426	.5
84	MP4B	Mx	-.038	.5
85	MP4B	X	-76.948	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	44.426	3.5
87	MP4B	Mx	-.038	3.5
88	MP4C	X	-123.696	.5
89	MP4C	Z	71.416	.5
90	MP4C	Mx	0	.5
91	MP4C	X	-123.696	3.5
92	MP4C	Z	71.416	3.5
93	MP4C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-25.472	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.013	.5
4	MP1A	X	-25.472	2.5
5	MP1A	Z	0	2.5
6	MP1A	Mx	.013	2.5
7	MP1B	X	-61.84	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.015	.5
10	MP1B	X	-61.84	2.5
11	MP1B	Z	0	2.5
12	MP1B	Mx	-.015	2.5
13	MP1C	X	-61.84	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.015	.5
16	MP1C	X	-61.84	2.5
17	MP1C	Z	0	2.5
18	MP1C	Mx	-.015	2.5
19	MP2A	X	-138.453	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.069	.5
22	MP2A	X	-138.453	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	.069	3.5
25	MP2B	X	-174.284	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.157	.5
28	MP2B	X	-174.284	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	-.157	3.5
31	MP2C	X	-174.284	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.07	.5
34	MP2C	X	-174.284	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.07	3.5
37	MP2A	X	-138.453	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.069	.5
40	MP2A	X	-138.453	3.5
41	MP2A	Z	0	3.5
42	MP2A	Mx	.069	3.5
43	MP2B	X	-174.284	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.07	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	-174.284	3.5
47	MP2B	Z	0	3.5
48	MP2B	Mx	.07	3.5
49	MP2C	X	-174.284	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.157	.5
52	MP2C	X	-174.284	3.5
53	MP2C	Z	0	3.5
54	MP2C	Mx	-.157	3.5
55	MP2A	X	-39.246	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	-.02	1.5
58	MP2B	X	-53.68	1.5
59	MP2B	Z	0	1.5
60	MP2B	Mx	.013	1.5
61	MP2C	X	-53.68	1.5
62	MP2C	Z	0	1.5
63	MP2C	Mx	.013	1.5
64	MP3A	X	-32.076	1.5
65	MP3A	Z	0	1.5
66	MP3A	Mx	-.016	1.5
67	MP3B	X	-51.887	1.5
68	MP3B	Z	0	1.5
69	MP3B	Mx	.013	1.5
70	MP3C	X	-51.887	1.5
71	MP3C	Z	0	1.5
72	MP3C	Mx	.013	1.5
73	OVP	X	-90.944	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP4A	X	-70.858	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.035	.5
79	MP4A	X	-70.858	3.5
80	MP4A	Z	0	3.5
81	MP4A	Mx	.035	3.5
82	MP4B	X	-124.838	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	-.031	.5
85	MP4B	X	-124.838	3.5
86	MP4B	Z	0	3.5
87	MP4B	Mx	-.031	3.5
88	MP4C	X	-124.838	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	-.031	.5
91	MP4C	X	-124.838	3.5
92	MP4C	Z	0	3.5
93	MP4C	Mx	-.031	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-32.558	.5
2	MP1A	Z	-18.797	.5
3	MP1A	Mx	.016	.5
4	MP1A	X	-32.558	2.5
5	MP1A	Z	-18.797	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.016	2.5
7	MP1B	X	-64.054	.5
8	MP1B	Z	-36.981	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-64.054	2.5
11	MP1B	Z	-36.981	2.5
12	MP1B	Mx	0	2.5
13	MP1C	X	-32.558	.5
14	MP1C	Z	-18.797	.5
15	MP1C	Mx	-.016	.5
16	MP1C	X	-32.558	2.5
17	MP1C	Z	-18.797	2.5
18	MP1C	Mx	-.016	2.5
19	MP2A	X	-130.248	.5
20	MP2A	Z	-75.198	.5
21	MP2A	Mx	.122	.5
22	MP2A	X	-130.248	3.5
23	MP2A	Z	-75.198	3.5
24	MP2A	Mx	.122	3.5
25	MP2B	X	-161.278	.5
26	MP2B	Z	-93.114	.5
27	MP2B	Mx	-.14	.5
28	MP2B	X	-161.278	3.5
29	MP2B	Z	-93.114	3.5
30	MP2B	Mx	-.14	3.5
31	MP2C	X	-130.248	.5
32	MP2C	Z	-75.198	.5
33	MP2C	Mx	-.009	.5
34	MP2C	X	-130.248	3.5
35	MP2C	Z	-75.198	3.5
36	MP2C	Mx	-.009	3.5
37	MP2A	X	-130.248	.5
38	MP2A	Z	-75.198	.5
39	MP2A	Mx	.009	.5
40	MP2A	X	-130.248	3.5
41	MP2A	Z	-75.198	3.5
42	MP2A	Mx	.009	3.5
43	MP2B	X	-161.278	.5
44	MP2B	Z	-93.114	.5
45	MP2B	Mx	.14	.5
46	MP2B	X	-161.278	3.5
47	MP2B	Z	-93.114	3.5
48	MP2B	Mx	.14	3.5
49	MP2C	X	-130.248	.5
50	MP2C	Z	-75.198	.5
51	MP2C	Mx	-.122	.5
52	MP2C	X	-130.248	3.5
53	MP2C	Z	-75.198	3.5
54	MP2C	Mx	-.122	3.5
55	MP2A	X	-38.154	1.5
56	MP2A	Z	-22.028	1.5
57	MP2A	Mx	-.019	1.5
58	MP2B	X	-50.655	1.5
59	MP2B	Z	-29.246	1.5
60	MP2B	Mx	0	1.5
61	MP2C	X	-38.154	1.5
62	MP2C	Z	-22.028	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.019	1.5
64	MP3A	X	-33.498	1.5
65	MP3A	Z	-19.34	1.5
66	MP3A	Mx	-.017	1.5
67	MP3B	X	-50.655	1.5
68	MP3B	Z	-29.246	1.5
69	MP3B	Mx	0	1.5
70	MP3C	X	-33.498	1.5
71	MP3C	Z	-19.34	1.5
72	MP3C	Mx	.017	1.5
73	OVP	X	-84.969	1
74	OVP	Z	-49.057	1
75	OVP	Mx	0	1
76	MP4A	X	-76.948	.5
77	MP4A	Z	-44.426	.5
78	MP4A	Mx	.038	.5
79	MP4A	X	-76.948	3.5
80	MP4A	Z	-44.426	3.5
81	MP4A	Mx	.038	3.5
82	MP4B	X	-123.696	.5
83	MP4B	Z	-71.416	.5
84	MP4B	Mx	0	.5
85	MP4B	X	-123.696	3.5
86	MP4B	Z	-71.416	3.5
87	MP4B	Mx	0	3.5
88	MP4C	X	-76.948	.5
89	MP4C	Z	-44.426	.5
90	MP4C	Mx	-.038	.5
91	MP4C	X	-76.948	3.5
92	MP4C	Z	-44.426	3.5
93	MP4C	Mx	-.038	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-30.92	.5
2	MP1A	Z	-53.555	.5
3	MP1A	Mx	.015	.5
4	MP1A	X	-30.92	2.5
5	MP1A	Z	-53.555	2.5
6	MP1A	Mx	.015	2.5
7	MP1B	X	-30.92	.5
8	MP1B	Z	-53.555	.5
9	MP1B	Mx	.015	.5
10	MP1B	X	-30.92	2.5
11	MP1B	Z	-53.555	2.5
12	MP1B	Mx	.015	2.5
13	MP1C	X	-12.736	.5
14	MP1C	Z	-22.059	.5
15	MP1C	Mx	-.013	.5
16	MP1C	X	-12.736	2.5
17	MP1C	Z	-22.059	2.5
18	MP1C	Mx	-.013	2.5
19	MP2A	X	-87.142	.5
20	MP2A	Z	-150.935	.5
21	MP2A	Mx	.157	.5
22	MP2A	X	-87.142	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-150.935	3.5
24	MP2A	Mx	.157	3.5
25	MP2B	X	-87.142	.5
26	MP2B	Z	-150.935	.5
27	MP2B	Mx	-.07	.5
28	MP2B	X	-87.142	3.5
29	MP2B	Z	-150.935	3.5
30	MP2B	Mx	-.07	3.5
31	MP2C	X	-69.227	.5
32	MP2C	Z	-119.904	.5
33	MP2C	Mx	-.069	.5
34	MP2C	X	-69.227	3.5
35	MP2C	Z	-119.904	3.5
36	MP2C	Mx	-.069	3.5
37	MP2A	X	-87.142	.5
38	MP2A	Z	-150.935	.5
39	MP2A	Mx	-.07	.5
40	MP2A	X	-87.142	3.5
41	MP2A	Z	-150.935	3.5
42	MP2A	Mx	-.07	3.5
43	MP2B	X	-87.142	.5
44	MP2B	Z	-150.935	.5
45	MP2B	Mx	.157	.5
46	MP2B	X	-87.142	3.5
47	MP2B	Z	-150.935	3.5
48	MP2B	Mx	.157	3.5
49	MP2C	X	-69.227	.5
50	MP2C	Z	-119.904	.5
51	MP2C	Mx	-.069	.5
52	MP2C	X	-69.227	3.5
53	MP2C	Z	-119.904	3.5
54	MP2C	Mx	-.069	3.5
55	MP2A	X	-26.84	1.5
56	MP2A	Z	-46.488	1.5
57	MP2A	Mx	-.013	1.5
58	MP2B	X	-26.84	1.5
59	MP2B	Z	-46.488	1.5
60	MP2B	Mx	-.013	1.5
61	MP2C	X	-19.623	1.5
62	MP2C	Z	-33.988	1.5
63	MP2C	Mx	.02	1.5
64	MP3A	X	-25.944	1.5
65	MP3A	Z	-44.936	1.5
66	MP3A	Mx	-.013	1.5
67	MP3B	X	-25.944	1.5
68	MP3B	Z	-44.936	1.5
69	MP3B	Mx	-.013	1.5
70	MP3C	X	-16.038	1.5
71	MP3C	Z	-27.778	1.5
72	MP3C	Mx	.016	1.5
73	OVP	X	-56.227	1
74	OVP	Z	-97.388	1
75	OVP	Mx	0	1
76	MP4A	X	-62.419	.5
77	MP4A	Z	-108.113	.5
78	MP4A	Mx	.031	.5
79	MP4A	X	-62.419	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	-108.113	3.5
81	MP4A	Mx	.031	3.5
82	MP4B	X	-62.419	.5
83	MP4B	Z	-108.113	.5
84	MP4B	Mx	.031	.5
85	MP4B	X	-62.419	3.5
86	MP4B	Z	-108.113	3.5
87	MP4B	Mx	.031	3.5
88	MP4C	X	-35.429	.5
89	MP4C	Z	-61.365	.5
90	MP4C	Mx	-.035	.5
91	MP4C	X	-35.429	3.5
92	MP4C	Z	-61.365	3.5
93	MP4C	Mx	-.035	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-17.595	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	2.5
5	MP1A	Z	-17.595	2.5
6	MP1A	Mx	0	2.5
7	MP1B	X	0	.5
8	MP1B	Z	-9.999	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	0	2.5
11	MP1B	Z	-9.999	2.5
12	MP1B	Mx	.004	2.5
13	MP1C	X	0	.5
14	MP1C	Z	-9.999	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	0	2.5
17	MP1C	Z	-9.999	2.5
18	MP1C	Mx	-.004	2.5
19	MP2A	X	0	.5
20	MP2A	Z	-35.716	.5
21	MP2A	Mx	.027	.5
22	MP2A	X	0	3.5
23	MP2A	Z	-35.716	3.5
24	MP2A	Mx	.027	3.5
25	MP2B	X	0	.5
26	MP2B	Z	-29.178	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	0	3.5
29	MP2B	Z	-29.178	3.5
30	MP2B	Mx	.002	3.5
31	MP2C	X	0	.5
32	MP2C	Z	-29.178	.5
33	MP2C	Mx	-.024	.5
34	MP2C	X	0	3.5
35	MP2C	Z	-29.178	3.5
36	MP2C	Mx	-.024	3.5
37	MP2A	X	0	.5
38	MP2A	Z	-35.716	.5
39	MP2A	Mx	-.027	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	0	3.5
41	MP2A	Z	-35.716	3.5
42	MP2A	Mx	-.027	3.5
43	MP2B	X	0	.5
44	MP2B	Z	-29.178	.5
45	MP2B	Mx	.024	.5
46	MP2B	X	0	3.5
47	MP2B	Z	-29.178	3.5
48	MP2B	Mx	.024	3.5
49	MP2C	X	0	.5
50	MP2C	Z	-29.178	.5
51	MP2C	Mx	-.002	.5
52	MP2C	X	0	3.5
53	MP2C	Z	-29.178	3.5
54	MP2C	Mx	-.002	3.5
55	MP2A	X	0	1.5
56	MP2A	Z	-14.794	1.5
57	MP2A	Mx	0	1.5
58	MP2B	X	0	1.5
59	MP2B	Z	-11.403	1.5
60	MP2B	Mx	-.005	1.5
61	MP2C	X	0	1.5
62	MP2C	Z	-11.403	1.5
63	MP2C	Mx	.005	1.5
64	MP3A	X	0	1.5
65	MP3A	Z	-14.794	1.5
66	MP3A	Mx	0	1.5
67	MP3B	X	0	1.5
68	MP3B	Z	-10.114	1.5
69	MP3B	Mx	-.004	1.5
70	MP3C	X	0	1.5
71	MP3C	Z	-10.114	1.5
72	MP3C	Mx	.004	1.5
73	OVP	X	0	1
74	OVP	Z	-30.469	1
75	OVP	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	-27.794	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	3.5
80	MP4A	Z	-27.794	3.5
81	MP4A	Mx	0	3.5
82	MP4B	X	0	.5
83	MP4B	Z	-18.071	.5
84	MP4B	Mx	.008	.5
85	MP4B	X	0	3.5
86	MP4B	Z	-18.071	3.5
87	MP4B	Mx	.008	3.5
88	MP4C	X	0	.5
89	MP4C	Z	-18.071	.5
90	MP4C	Mx	-.008	.5
91	MP4C	X	0	3.5
92	MP4C	Z	-18.071	3.5
93	MP4C	Mx	-.008	3.5

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.532	.5
2	MP1A	Z	-13.045	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	7.532	2.5
5	MP1A	Z	-13.045	2.5
6	MP1A	Mx	-.004	2.5
7	MP1B	X	3.733	.5
8	MP1B	Z	-6.467	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	3.733	2.5
11	MP1B	Z	-6.467	2.5
12	MP1B	Mx	.004	2.5
13	MP1C	X	7.532	.5
14	MP1C	Z	-13.045	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	7.532	2.5
17	MP1C	Z	-13.045	2.5
18	MP1C	Mx	-.004	2.5
19	MP2A	X	16.768	.5
20	MP2A	Z	-29.044	.5
21	MP2A	Mx	.013	.5
22	MP2A	X	16.768	3.5
23	MP2A	Z	-29.044	3.5
24	MP2A	Mx	.013	3.5
25	MP2B	X	13.499	.5
26	MP2B	Z	-23.381	.5
27	MP2B	Mx	.013	.5
28	MP2B	X	13.499	3.5
29	MP2B	Z	-23.381	3.5
30	MP2B	Mx	.013	3.5
31	MP2C	X	16.768	.5
32	MP2C	Z	-29.044	.5
33	MP2C	Mx	-.03	.5
34	MP2C	X	16.768	3.5
35	MP2C	Z	-29.044	3.5
36	MP2C	Mx	-.03	3.5
37	MP2A	X	16.768	.5
38	MP2A	Z	-29.044	.5
39	MP2A	Mx	-.03	.5
40	MP2A	X	16.768	3.5
41	MP2A	Z	-29.044	3.5
42	MP2A	Mx	-.03	3.5
43	MP2B	X	13.499	.5
44	MP2B	Z	-23.381	.5
45	MP2B	Mx	.013	.5
46	MP2B	X	13.499	3.5
47	MP2B	Z	-23.381	3.5
48	MP2B	Mx	.013	3.5
49	MP2C	X	16.768	.5
50	MP2C	Z	-29.044	.5
51	MP2C	Mx	.013	.5
52	MP2C	X	16.768	3.5
53	MP2C	Z	-29.044	3.5
54	MP2C	Mx	.013	3.5
55	MP2A	X	6.832	1.5
56	MP2A	Z	-11.833	1.5
57	MP2A	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	5.136	1.5
59	MP2B	Z	-8.896	1.5
60	MP2B	Mx	-.005	1.5
61	MP2C	X	6.832	1.5
62	MP2C	Z	-11.833	1.5
63	MP2C	Mx	.003	1.5
64	MP3A	X	6.617	1.5
65	MP3A	Z	-11.461	1.5
66	MP3A	Mx	.003	1.5
67	MP3B	X	4.277	1.5
68	MP3B	Z	-7.408	1.5
69	MP3B	Mx	-.004	1.5
70	MP3C	X	6.617	1.5
71	MP3C	Z	-11.461	1.5
72	MP3C	Mx	.003	1.5
73	OVP	X	14.401	1
74	OVP	Z	-24.944	1
75	OVP	Mx	0	1
76	MP4A	X	12.277	.5
77	MP4A	Z	-21.264	.5
78	MP4A	Mx	-.006	.5
79	MP4A	X	12.277	3.5
80	MP4A	Z	-21.264	3.5
81	MP4A	Mx	-.006	3.5
82	MP4B	X	7.415	.5
83	MP4B	Z	-12.844	.5
84	MP4B	Mx	.007	.5
85	MP4B	X	7.415	3.5
86	MP4B	Z	-12.844	3.5
87	MP4B	Mx	.007	3.5
88	MP4C	X	12.277	.5
89	MP4C	Z	-21.264	.5
90	MP4C	Mx	-.006	.5
91	MP4C	X	12.277	3.5
92	MP4C	Z	-21.264	3.5
93	MP4C	Mx	-.006	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.659	.5
2	MP1A	Z	-5	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	8.659	2.5
5	MP1A	Z	-5	2.5
6	MP1A	Mx	-.004	2.5
7	MP1B	X	8.659	.5
8	MP1B	Z	-5	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	8.659	2.5
11	MP1B	Z	-5	2.5
12	MP1B	Mx	.004	2.5
13	MP1C	X	15.238	.5
14	MP1C	Z	-8.798	.5
15	MP1C	Mx	0	.5
16	MP1C	X	15.238	2.5
17	MP1C	Z	-8.798	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	0	2.5
19	MP2A	X	25.269	.5
20	MP2A	Z	-14.589	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	25.269	3.5
23	MP2A	Z	-14.589	3.5
24	MP2A	Mx	-.002	3.5
25	MP2B	X	25.269	.5
26	MP2B	Z	-14.589	.5
27	MP2B	Mx	.024	.5
28	MP2B	X	25.269	3.5
29	MP2B	Z	-14.589	3.5
30	MP2B	Mx	.024	3.5
31	MP2C	X	30.931	.5
32	MP2C	Z	-17.858	.5
33	MP2C	Mx	-.027	.5
34	MP2C	X	30.931	3.5
35	MP2C	Z	-17.858	3.5
36	MP2C	Mx	-.027	3.5
37	MP2A	X	25.269	.5
38	MP2A	Z	-14.589	.5
39	MP2A	Mx	-.024	.5
40	MP2A	X	25.269	3.5
41	MP2A	Z	-14.589	3.5
42	MP2A	Mx	-.024	3.5
43	MP2B	X	25.269	.5
44	MP2B	Z	-14.589	.5
45	MP2B	Mx	.002	.5
46	MP2B	X	25.269	3.5
47	MP2B	Z	-14.589	3.5
48	MP2B	Mx	.002	3.5
49	MP2C	X	30.931	.5
50	MP2C	Z	-17.858	.5
51	MP2C	Mx	.027	.5
52	MP2C	X	30.931	3.5
53	MP2C	Z	-17.858	3.5
54	MP2C	Mx	.027	3.5
55	MP2A	X	9.875	1.5
56	MP2A	Z	-5.701	1.5
57	MP2A	Mx	.005	1.5
58	MP2B	X	9.875	1.5
59	MP2B	Z	-5.701	1.5
60	MP2B	Mx	-.005	1.5
61	MP2C	X	12.812	1.5
62	MP2C	Z	-7.397	1.5
63	MP2C	Mx	0	1.5
64	MP3A	X	8.759	1.5
65	MP3A	Z	-5.057	1.5
66	MP3A	Mx	.004	1.5
67	MP3B	X	8.759	1.5
68	MP3B	Z	-5.057	1.5
69	MP3B	Mx	-.004	1.5
70	MP3C	X	12.812	1.5
71	MP3C	Z	-7.397	1.5
72	MP3C	Mx	0	1.5
73	OVP	X	22.057	1
74	OVP	Z	-12.735	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP	Mx	0	1
76	MP4A	X	15.65	.5
77	MP4A	Z	-9.036	.5
78	MP4A	Mx	-.008	.5
79	MP4A	X	15.65	3.5
80	MP4A	Z	-9.036	3.5
81	MP4A	Mx	-.008	3.5
82	MP4B	X	15.65	.5
83	MP4B	Z	-9.036	.5
84	MP4B	Mx	.008	.5
85	MP4B	X	15.65	3.5
86	MP4B	Z	-9.036	3.5
87	MP4B	Mx	.008	3.5
88	MP4C	X	24.07	.5
89	MP4C	Z	-13.897	.5
90	MP4C	Mx	0	.5
91	MP4C	X	24.07	3.5
92	MP4C	Z	-13.897	3.5
93	MP4C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.467	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	7.467	2.5
5	MP1A	Z	0	2.5
6	MP1A	Mx	-.004	2.5
7	MP1B	X	15.063	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	15.063	2.5
11	MP1B	Z	0	2.5
12	MP1B	Mx	.004	2.5
13	MP1C	X	15.063	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	15.063	2.5
17	MP1C	Z	0	2.5
18	MP1C	Mx	.004	2.5
19	MP2A	X	26.998	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.013	.5
22	MP2A	X	26.998	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	-.013	3.5
25	MP2B	X	33.537	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.03	.5
28	MP2B	X	33.537	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	.03	3.5
31	MP2C	X	33.537	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.013	.5
34	MP2C	X	33.537	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	0	3.5
36	MP2C	Mx	-.013	3.5
37	MP2A	X	26.998	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.013	.5
40	MP2A	X	26.998	3.5
41	MP2A	Z	0	3.5
42	MP2A	Mx	-.013	3.5
43	MP2B	X	33.537	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.013	.5
46	MP2B	X	33.537	3.5
47	MP2B	Z	0	3.5
48	MP2B	Mx	-.013	3.5
49	MP2C	X	33.537	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.03	.5
52	MP2C	X	33.537	3.5
53	MP2C	Z	0	3.5
54	MP2C	Mx	.03	3.5
55	MP2A	X	10.272	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	.005	1.5
58	MP2B	X	13.663	1.5
59	MP2B	Z	0	1.5
60	MP2B	Mx	-.003	1.5
61	MP2C	X	13.663	1.5
62	MP2C	Z	0	1.5
63	MP2C	Mx	-.003	1.5
64	MP3A	X	8.554	1.5
65	MP3A	Z	0	1.5
66	MP3A	Mx	.004	1.5
67	MP3B	X	13.234	1.5
68	MP3B	Z	0	1.5
69	MP3B	Mx	-.003	1.5
70	MP3C	X	13.234	1.5
71	MP3C	Z	0	1.5
72	MP3C	Mx	-.003	1.5
73	OVP	X	23.803	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP4A	X	14.831	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.007	.5
79	MP4A	X	14.831	3.5
80	MP4A	Z	0	3.5
81	MP4A	Mx	-.007	3.5
82	MP4B	X	24.553	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	.006	.5
85	MP4B	X	24.553	3.5
86	MP4B	Z	0	3.5
87	MP4B	Mx	.006	3.5
88	MP4C	X	24.553	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	.006	.5
91	MP4C	X	24.553	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	0	3.5
93	MP4C	Mx	.006	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.659	.5
2	MP1A	Z	5	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	8.659	2.5
5	MP1A	Z	5	2.5
6	MP1A	Mx	-.004	2.5
7	MP1B	X	15.238	.5
8	MP1B	Z	8.798	.5
9	MP1B	Mx	0	.5
10	MP1B	X	15.238	2.5
11	MP1B	Z	8.798	2.5
12	MP1B	Mx	0	2.5
13	MP1C	X	8.659	.5
14	MP1C	Z	5	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	8.659	2.5
17	MP1C	Z	5	2.5
18	MP1C	Mx	.004	2.5
19	MP2A	X	25.269	.5
20	MP2A	Z	14.589	.5
21	MP2A	Mx	-.024	.5
22	MP2A	X	25.269	3.5
23	MP2A	Z	14.589	3.5
24	MP2A	Mx	-.024	3.5
25	MP2B	X	30.931	.5
26	MP2B	Z	17.858	.5
27	MP2B	Mx	.027	.5
28	MP2B	X	30.931	3.5
29	MP2B	Z	17.858	3.5
30	MP2B	Mx	.027	3.5
31	MP2C	X	25.269	.5
32	MP2C	Z	14.589	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	25.269	3.5
35	MP2C	Z	14.589	3.5
36	MP2C	Mx	.002	3.5
37	MP2A	X	25.269	.5
38	MP2A	Z	14.589	.5
39	MP2A	Mx	-.002	.5
40	MP2A	X	25.269	3.5
41	MP2A	Z	14.589	3.5
42	MP2A	Mx	-.002	3.5
43	MP2B	X	30.931	.5
44	MP2B	Z	17.858	.5
45	MP2B	Mx	-.027	.5
46	MP2B	X	30.931	3.5
47	MP2B	Z	17.858	3.5
48	MP2B	Mx	-.027	3.5
49	MP2C	X	25.269	.5
50	MP2C	Z	14.589	.5
51	MP2C	Mx	.024	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	25.269	3.5
53	MP2C	Z	14.589	3.5
54	MP2C	Mx	.024	3.5
55	MP2A	X	9.875	1.5
56	MP2A	Z	5.701	1.5
57	MP2A	Mx	.005	1.5
58	MP2B	X	12.812	1.5
59	MP2B	Z	7.397	1.5
60	MP2B	Mx	0	1.5
61	MP2C	X	9.875	1.5
62	MP2C	Z	5.701	1.5
63	MP2C	Mx	-.005	1.5
64	MP3A	X	8.759	1.5
65	MP3A	Z	5.057	1.5
66	MP3A	Mx	.004	1.5
67	MP3B	X	12.812	1.5
68	MP3B	Z	7.397	1.5
69	MP3B	Mx	0	1.5
70	MP3C	X	8.759	1.5
71	MP3C	Z	5.057	1.5
72	MP3C	Mx	-.004	1.5
73	OVP	X	22.057	1
74	OVP	Z	12.735	1
75	OVP	Mx	0	1
76	MP4A	X	15.65	.5
77	MP4A	Z	9.036	.5
78	MP4A	Mx	-.008	.5
79	MP4A	X	15.65	3.5
80	MP4A	Z	9.036	3.5
81	MP4A	Mx	-.008	3.5
82	MP4B	X	24.07	.5
83	MP4B	Z	13.897	.5
84	MP4B	Mx	0	.5
85	MP4B	X	24.07	3.5
86	MP4B	Z	13.897	3.5
87	MP4B	Mx	0	3.5
88	MP4C	X	15.65	.5
89	MP4C	Z	9.036	.5
90	MP4C	Mx	.008	.5
91	MP4C	X	15.65	3.5
92	MP4C	Z	9.036	3.5
93	MP4C	Mx	.008	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.532	.5
2	MP1A	Z	13.045	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	7.532	2.5
5	MP1A	Z	13.045	2.5
6	MP1A	Mx	-.004	2.5
7	MP1B	X	7.532	.5
8	MP1B	Z	13.045	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	7.532	2.5
11	MP1B	Z	13.045	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.004	2.5
13	MP1C	X	3.733	.5
14	MP1C	Z	6.467	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	3.733	2.5
17	MP1C	Z	6.467	2.5
18	MP1C	Mx	.004	2.5
19	MP2A	X	16.768	.5
20	MP2A	Z	29.044	.5
21	MP2A	Mx	-.03	.5
22	MP2A	X	16.768	3.5
23	MP2A	Z	29.044	3.5
24	MP2A	Mx	-.03	3.5
25	MP2B	X	16.768	.5
26	MP2B	Z	29.044	.5
27	MP2B	Mx	.013	.5
28	MP2B	X	16.768	3.5
29	MP2B	Z	29.044	3.5
30	MP2B	Mx	.013	3.5
31	MP2C	X	13.499	.5
32	MP2C	Z	23.381	.5
33	MP2C	Mx	.013	.5
34	MP2C	X	13.499	3.5
35	MP2C	Z	23.381	3.5
36	MP2C	Mx	.013	3.5
37	MP2A	X	16.768	.5
38	MP2A	Z	29.044	.5
39	MP2A	Mx	.013	.5
40	MP2A	X	16.768	3.5
41	MP2A	Z	29.044	3.5
42	MP2A	Mx	.013	3.5
43	MP2B	X	16.768	.5
44	MP2B	Z	29.044	.5
45	MP2B	Mx	-.03	.5
46	MP2B	X	16.768	3.5
47	MP2B	Z	29.044	3.5
48	MP2B	Mx	-.03	3.5
49	MP2C	X	13.499	.5
50	MP2C	Z	23.381	.5
51	MP2C	Mx	.013	.5
52	MP2C	X	13.499	3.5
53	MP2C	Z	23.381	3.5
54	MP2C	Mx	.013	3.5
55	MP2A	X	6.832	1.5
56	MP2A	Z	11.833	1.5
57	MP2A	Mx	.003	1.5
58	MP2B	X	6.832	1.5
59	MP2B	Z	11.833	1.5
60	MP2B	Mx	.003	1.5
61	MP2C	X	5.136	1.5
62	MP2C	Z	8.896	1.5
63	MP2C	Mx	-.005	1.5
64	MP3A	X	6.617	1.5
65	MP3A	Z	11.461	1.5
66	MP3A	Mx	.003	1.5
67	MP3B	X	6.617	1.5
68	MP3B	Z	11.461	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	.003	1.5
70	MP3C	X	4.277	1.5
71	MP3C	Z	7.408	1.5
72	MP3C	Mx	-.004	1.5
73	OVP	X	14.401	1
74	OVP	Z	24.944	1
75	OVP	Mx	0	1
76	MP4A	X	12.277	.5
77	MP4A	Z	21.264	.5
78	MP4A	Mx	-.006	.5
79	MP4A	X	12.277	3.5
80	MP4A	Z	21.264	3.5
81	MP4A	Mx	-.006	3.5
82	MP4B	X	12.277	.5
83	MP4B	Z	21.264	.5
84	MP4B	Mx	-.006	.5
85	MP4B	X	12.277	3.5
86	MP4B	Z	21.264	3.5
87	MP4B	Mx	-.006	3.5
88	MP4C	X	7.415	.5
89	MP4C	Z	12.844	.5
90	MP4C	Mx	.007	.5
91	MP4C	X	7.415	3.5
92	MP4C	Z	12.844	3.5
93	MP4C	Mx	.007	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	17.595	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	2.5
5	MP1A	Z	17.595	2.5
6	MP1A	Mx	0	2.5
7	MP1B	X	0	.5
8	MP1B	Z	9.999	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	0	2.5
11	MP1B	Z	9.999	2.5
12	MP1B	Mx	-.004	2.5
13	MP1C	X	0	.5
14	MP1C	Z	9.999	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	0	2.5
17	MP1C	Z	9.999	2.5
18	MP1C	Mx	.004	2.5
19	MP2A	X	0	.5
20	MP2A	Z	35.716	.5
21	MP2A	Mx	-.027	.5
22	MP2A	X	0	3.5
23	MP2A	Z	35.716	3.5
24	MP2A	Mx	-.027	3.5
25	MP2B	X	0	.5
26	MP2B	Z	29.178	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	29.178	3.5
30	MP2B	Mx	-.002	3.5
31	MP2C	X	0	.5
32	MP2C	Z	29.178	.5
33	MP2C	Mx	.024	.5
34	MP2C	X	0	3.5
35	MP2C	Z	29.178	3.5
36	MP2C	Mx	.024	3.5
37	MP2A	X	0	.5
38	MP2A	Z	35.716	.5
39	MP2A	Mx	.027	.5
40	MP2A	X	0	3.5
41	MP2A	Z	35.716	3.5
42	MP2A	Mx	.027	3.5
43	MP2B	X	0	.5
44	MP2B	Z	29.178	.5
45	MP2B	Mx	-.024	.5
46	MP2B	X	0	3.5
47	MP2B	Z	29.178	3.5
48	MP2B	Mx	-.024	3.5
49	MP2C	X	0	.5
50	MP2C	Z	29.178	.5
51	MP2C	Mx	.002	.5
52	MP2C	X	0	3.5
53	MP2C	Z	29.178	3.5
54	MP2C	Mx	.002	3.5
55	MP2A	X	0	1.5
56	MP2A	Z	14.794	1.5
57	MP2A	Mx	0	1.5
58	MP2B	X	0	1.5
59	MP2B	Z	11.403	1.5
60	MP2B	Mx	.005	1.5
61	MP2C	X	0	1.5
62	MP2C	Z	11.403	1.5
63	MP2C	Mx	-.005	1.5
64	MP3A	X	0	1.5
65	MP3A	Z	14.794	1.5
66	MP3A	Mx	0	1.5
67	MP3B	X	0	1.5
68	MP3B	Z	10.114	1.5
69	MP3B	Mx	.004	1.5
70	MP3C	X	0	1.5
71	MP3C	Z	10.114	1.5
72	MP3C	Mx	-.004	1.5
73	OVP	X	0	1
74	OVP	Z	30.469	1
75	OVP	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	27.794	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	3.5
80	MP4A	Z	27.794	3.5
81	MP4A	Mx	0	3.5
82	MP4B	X	0	.5
83	MP4B	Z	18.071	.5
84	MP4B	Mx	-.008	.5
85	MP4B	X	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	18.071	3.5
87	MP4B	Mx	-.008	3.5
88	MP4C	X	0	.5
89	MP4C	Z	18.071	.5
90	MP4C	Mx	.008	.5
91	MP4C	X	0	3.5
92	MP4C	Z	18.071	3.5
93	MP4C	Mx	.008	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.532	.5
2	MP1A	Z	13.045	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-7.532	2.5
5	MP1A	Z	13.045	2.5
6	MP1A	Mx	.004	2.5
7	MP1B	X	-3.733	.5
8	MP1B	Z	6.467	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	-3.733	2.5
11	MP1B	Z	6.467	2.5
12	MP1B	Mx	-.004	2.5
13	MP1C	X	-7.532	.5
14	MP1C	Z	13.045	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	-7.532	2.5
17	MP1C	Z	13.045	2.5
18	MP1C	Mx	.004	2.5
19	MP2A	X	-16.768	.5
20	MP2A	Z	29.044	.5
21	MP2A	Mx	-.013	.5
22	MP2A	X	-16.768	3.5
23	MP2A	Z	29.044	3.5
24	MP2A	Mx	-.013	3.5
25	MP2B	X	-13.499	.5
26	MP2B	Z	23.381	.5
27	MP2B	Mx	-.013	.5
28	MP2B	X	-13.499	3.5
29	MP2B	Z	23.381	3.5
30	MP2B	Mx	-.013	3.5
31	MP2C	X	-16.768	.5
32	MP2C	Z	29.044	.5
33	MP2C	Mx	.03	.5
34	MP2C	X	-16.768	3.5
35	MP2C	Z	29.044	3.5
36	MP2C	Mx	.03	3.5
37	MP2A	X	-16.768	.5
38	MP2A	Z	29.044	.5
39	MP2A	Mx	.03	.5
40	MP2A	X	-16.768	3.5
41	MP2A	Z	29.044	3.5
42	MP2A	Mx	.03	3.5
43	MP2B	X	-13.499	.5
44	MP2B	Z	23.381	.5
45	MP2B	Mx	-.013	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	-13.499	3.5
47	MP2B	Z	23.381	3.5
48	MP2B	Mx	-.013	3.5
49	MP2C	X	-16.768	.5
50	MP2C	Z	29.044	.5
51	MP2C	Mx	-.013	.5
52	MP2C	X	-16.768	3.5
53	MP2C	Z	29.044	3.5
54	MP2C	Mx	-.013	3.5
55	MP2A	X	-6.832	1.5
56	MP2A	Z	11.833	1.5
57	MP2A	Mx	-.003	1.5
58	MP2B	X	-5.136	1.5
59	MP2B	Z	8.896	1.5
60	MP2B	Mx	.005	1.5
61	MP2C	X	-6.832	1.5
62	MP2C	Z	11.833	1.5
63	MP2C	Mx	-.003	1.5
64	MP3A	X	-6.617	1.5
65	MP3A	Z	11.461	1.5
66	MP3A	Mx	-.003	1.5
67	MP3B	X	-4.277	1.5
68	MP3B	Z	7.408	1.5
69	MP3B	Mx	.004	1.5
70	MP3C	X	-6.617	1.5
71	MP3C	Z	11.461	1.5
72	MP3C	Mx	-.003	1.5
73	OVP	X	-14.401	1
74	OVP	Z	24.944	1
75	OVP	Mx	0	1
76	MP4A	X	-12.277	.5
77	MP4A	Z	21.264	.5
78	MP4A	Mx	.006	.5
79	MP4A	X	-12.277	3.5
80	MP4A	Z	21.264	3.5
81	MP4A	Mx	.006	3.5
82	MP4B	X	-7.415	.5
83	MP4B	Z	12.844	.5
84	MP4B	Mx	-.007	.5
85	MP4B	X	-7.415	3.5
86	MP4B	Z	12.844	3.5
87	MP4B	Mx	-.007	3.5
88	MP4C	X	-12.277	.5
89	MP4C	Z	21.264	.5
90	MP4C	Mx	.006	.5
91	MP4C	X	-12.277	3.5
92	MP4C	Z	21.264	3.5
93	MP4C	Mx	.006	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.659	.5
2	MP1A	Z	5	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-8.659	2.5
5	MP1A	Z	5	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.004	2.5
7	MP1B	X	-8.659	.5
8	MP1B	Z	5	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	-8.659	2.5
11	MP1B	Z	5	2.5
12	MP1B	Mx	-.004	2.5
13	MP1C	X	-15.238	.5
14	MP1C	Z	8.798	.5
15	MP1C	Mx	0	.5
16	MP1C	X	-15.238	2.5
17	MP1C	Z	8.798	2.5
18	MP1C	Mx	0	2.5
19	MP2A	X	-25.269	.5
20	MP2A	Z	14.589	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	-25.269	3.5
23	MP2A	Z	14.589	3.5
24	MP2A	Mx	.002	3.5
25	MP2B	X	-25.269	.5
26	MP2B	Z	14.589	.5
27	MP2B	Mx	-.024	.5
28	MP2B	X	-25.269	3.5
29	MP2B	Z	14.589	3.5
30	MP2B	Mx	-.024	3.5
31	MP2C	X	-30.931	.5
32	MP2C	Z	17.858	.5
33	MP2C	Mx	.027	.5
34	MP2C	X	-30.931	3.5
35	MP2C	Z	17.858	3.5
36	MP2C	Mx	.027	3.5
37	MP2A	X	-25.269	.5
38	MP2A	Z	14.589	.5
39	MP2A	Mx	.024	.5
40	MP2A	X	-25.269	3.5
41	MP2A	Z	14.589	3.5
42	MP2A	Mx	.024	3.5
43	MP2B	X	-25.269	.5
44	MP2B	Z	14.589	.5
45	MP2B	Mx	-.002	.5
46	MP2B	X	-25.269	3.5
47	MP2B	Z	14.589	3.5
48	MP2B	Mx	-.002	3.5
49	MP2C	X	-30.931	.5
50	MP2C	Z	17.858	.5
51	MP2C	Mx	-.027	.5
52	MP2C	X	-30.931	3.5
53	MP2C	Z	17.858	3.5
54	MP2C	Mx	-.027	3.5
55	MP2A	X	-9.875	1.5
56	MP2A	Z	5.701	1.5
57	MP2A	Mx	-.005	1.5
58	MP2B	X	-9.875	1.5
59	MP2B	Z	5.701	1.5
60	MP2B	Mx	.005	1.5
61	MP2C	X	-12.812	1.5
62	MP2C	Z	7.397	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	0	1.5
64	MP3A	X	-8.759	1.5
65	MP3A	Z	5.057	1.5
66	MP3A	Mx	-.004	1.5
67	MP3B	X	-8.759	1.5
68	MP3B	Z	5.057	1.5
69	MP3B	Mx	.004	1.5
70	MP3C	X	-12.812	1.5
71	MP3C	Z	7.397	1.5
72	MP3C	Mx	0	1.5
73	OVP	X	-22.057	1
74	OVP	Z	12.735	1
75	OVP	Mx	0	1
76	MP4A	X	-15.65	.5
77	MP4A	Z	9.036	.5
78	MP4A	Mx	.008	.5
79	MP4A	X	-15.65	3.5
80	MP4A	Z	9.036	3.5
81	MP4A	Mx	.008	3.5
82	MP4B	X	-15.65	.5
83	MP4B	Z	9.036	.5
84	MP4B	Mx	-.008	.5
85	MP4B	X	-15.65	3.5
86	MP4B	Z	9.036	3.5
87	MP4B	Mx	-.008	3.5
88	MP4C	X	-24.07	.5
89	MP4C	Z	13.897	.5
90	MP4C	Mx	0	.5
91	MP4C	X	-24.07	3.5
92	MP4C	Z	13.897	3.5
93	MP4C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.467	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-7.467	2.5
5	MP1A	Z	0	2.5
6	MP1A	Mx	.004	2.5
7	MP1B	X	-15.063	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	-15.063	2.5
11	MP1B	Z	0	2.5
12	MP1B	Mx	-.004	2.5
13	MP1C	X	-15.063	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	-15.063	2.5
17	MP1C	Z	0	2.5
18	MP1C	Mx	-.004	2.5
19	MP2A	X	-26.998	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.013	.5
22	MP2A	X	-26.998	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	0	3.5
24	MP2A	Mx	.013	3.5
25	MP2B	X	-33.537	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.03	.5
28	MP2B	X	-33.537	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	-.03	3.5
31	MP2C	X	-33.537	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.013	.5
34	MP2C	X	-33.537	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.013	3.5
37	MP2A	X	-26.998	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.013	.5
40	MP2A	X	-26.998	3.5
41	MP2A	Z	0	3.5
42	MP2A	Mx	.013	3.5
43	MP2B	X	-33.537	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.013	.5
46	MP2B	X	-33.537	3.5
47	MP2B	Z	0	3.5
48	MP2B	Mx	.013	3.5
49	MP2C	X	-33.537	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.03	.5
52	MP2C	X	-33.537	3.5
53	MP2C	Z	0	3.5
54	MP2C	Mx	-.03	3.5
55	MP2A	X	-10.272	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	-.005	1.5
58	MP2B	X	-13.663	1.5
59	MP2B	Z	0	1.5
60	MP2B	Mx	.003	1.5
61	MP2C	X	-13.663	1.5
62	MP2C	Z	0	1.5
63	MP2C	Mx	.003	1.5
64	MP3A	X	-8.554	1.5
65	MP3A	Z	0	1.5
66	MP3A	Mx	-.004	1.5
67	MP3B	X	-13.234	1.5
68	MP3B	Z	0	1.5
69	MP3B	Mx	.003	1.5
70	MP3C	X	-13.234	1.5
71	MP3C	Z	0	1.5
72	MP3C	Mx	.003	1.5
73	OVP	X	-23.803	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP4A	X	-14.831	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.007	.5
79	MP4A	X	-14.831	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	0	3.5
81	MP4A	Mx	.007	3.5
82	MP4B	X	-24.553	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	-.006	.5
85	MP4B	X	-24.553	3.5
86	MP4B	Z	0	3.5
87	MP4B	Mx	-.006	3.5
88	MP4C	X	-24.553	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	-.006	.5
91	MP4C	X	-24.553	3.5
92	MP4C	Z	0	3.5
93	MP4C	Mx	-.006	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.659	.5
2	MP1A	Z	-5	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-8.659	2.5
5	MP1A	Z	-5	2.5
6	MP1A	Mx	.004	2.5
7	MP1B	X	-15.238	.5
8	MP1B	Z	-8.798	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-15.238	2.5
11	MP1B	Z	-8.798	2.5
12	MP1B	Mx	0	2.5
13	MP1C	X	-8.659	.5
14	MP1C	Z	-5	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	-8.659	2.5
17	MP1C	Z	-5	2.5
18	MP1C	Mx	-.004	2.5
19	MP2A	X	-25.269	.5
20	MP2A	Z	-14.589	.5
21	MP2A	Mx	.024	.5
22	MP2A	X	-25.269	3.5
23	MP2A	Z	-14.589	3.5
24	MP2A	Mx	.024	3.5
25	MP2B	X	-30.931	.5
26	MP2B	Z	-17.858	.5
27	MP2B	Mx	-.027	.5
28	MP2B	X	-30.931	3.5
29	MP2B	Z	-17.858	3.5
30	MP2B	Mx	-.027	3.5
31	MP2C	X	-25.269	.5
32	MP2C	Z	-14.589	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	-25.269	3.5
35	MP2C	Z	-14.589	3.5
36	MP2C	Mx	-.002	3.5
37	MP2A	X	-25.269	.5
38	MP2A	Z	-14.589	.5
39	MP2A	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	-25.269	3.5
41	MP2A	Z	-14.589	3.5
42	MP2A	Mx	.002	3.5
43	MP2B	X	-30.931	.5
44	MP2B	Z	-17.858	.5
45	MP2B	Mx	.027	.5
46	MP2B	X	-30.931	3.5
47	MP2B	Z	-17.858	3.5
48	MP2B	Mx	.027	3.5
49	MP2C	X	-25.269	.5
50	MP2C	Z	-14.589	.5
51	MP2C	Mx	-.024	.5
52	MP2C	X	-25.269	3.5
53	MP2C	Z	-14.589	3.5
54	MP2C	Mx	-.024	3.5
55	MP2A	X	-9.875	1.5
56	MP2A	Z	-5.701	1.5
57	MP2A	Mx	-.005	1.5
58	MP2B	X	-12.812	1.5
59	MP2B	Z	-7.397	1.5
60	MP2B	Mx	0	1.5
61	MP2C	X	-9.875	1.5
62	MP2C	Z	-5.701	1.5
63	MP2C	Mx	.005	1.5
64	MP3A	X	-8.759	1.5
65	MP3A	Z	-5.057	1.5
66	MP3A	Mx	-.004	1.5
67	MP3B	X	-12.812	1.5
68	MP3B	Z	-7.397	1.5
69	MP3B	Mx	0	1.5
70	MP3C	X	-8.759	1.5
71	MP3C	Z	-5.057	1.5
72	MP3C	Mx	.004	1.5
73	OVP	X	-22.057	1
74	OVP	Z	-12.735	1
75	OVP	Mx	0	1
76	MP4A	X	-15.65	.5
77	MP4A	Z	-9.036	.5
78	MP4A	Mx	.008	.5
79	MP4A	X	-15.65	3.5
80	MP4A	Z	-9.036	3.5
81	MP4A	Mx	.008	3.5
82	MP4B	X	-24.07	.5
83	MP4B	Z	-13.897	.5
84	MP4B	Mx	0	.5
85	MP4B	X	-24.07	3.5
86	MP4B	Z	-13.897	3.5
87	MP4B	Mx	0	3.5
88	MP4C	X	-15.65	.5
89	MP4C	Z	-9.036	.5
90	MP4C	Mx	-.008	.5
91	MP4C	X	-15.65	3.5
92	MP4C	Z	-9.036	3.5
93	MP4C	Mx	-.008	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.532	.5
2	MP1A	Z	-13.045	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-7.532	2.5
5	MP1A	Z	-13.045	2.5
6	MP1A	Mx	.004	2.5
7	MP1B	X	-7.532	.5
8	MP1B	Z	-13.045	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	-7.532	2.5
11	MP1B	Z	-13.045	2.5
12	MP1B	Mx	.004	2.5
13	MP1C	X	-3.733	.5
14	MP1C	Z	-6.467	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	-3.733	2.5
17	MP1C	Z	-6.467	2.5
18	MP1C	Mx	-.004	2.5
19	MP2A	X	-16.768	.5
20	MP2A	Z	-29.044	.5
21	MP2A	Mx	.03	.5
22	MP2A	X	-16.768	3.5
23	MP2A	Z	-29.044	3.5
24	MP2A	Mx	.03	3.5
25	MP2B	X	-16.768	.5
26	MP2B	Z	-29.044	.5
27	MP2B	Mx	-.013	.5
28	MP2B	X	-16.768	3.5
29	MP2B	Z	-29.044	3.5
30	MP2B	Mx	-.013	3.5
31	MP2C	X	-13.499	.5
32	MP2C	Z	-23.381	.5
33	MP2C	Mx	-.013	.5
34	MP2C	X	-13.499	3.5
35	MP2C	Z	-23.381	3.5
36	MP2C	Mx	-.013	3.5
37	MP2A	X	-16.768	.5
38	MP2A	Z	-29.044	.5
39	MP2A	Mx	-.013	.5
40	MP2A	X	-16.768	3.5
41	MP2A	Z	-29.044	3.5
42	MP2A	Mx	-.013	3.5
43	MP2B	X	-16.768	.5
44	MP2B	Z	-29.044	.5
45	MP2B	Mx	.03	.5
46	MP2B	X	-16.768	3.5
47	MP2B	Z	-29.044	3.5
48	MP2B	Mx	.03	3.5
49	MP2C	X	-13.499	.5
50	MP2C	Z	-23.381	.5
51	MP2C	Mx	-.013	.5
52	MP2C	X	-13.499	3.5
53	MP2C	Z	-23.381	3.5
54	MP2C	Mx	-.013	3.5
55	MP2A	X	-6.832	1.5
56	MP2A	Z	-11.833	1.5
57	MP2A	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-6.832	1.5
59	MP2B	Z	-11.833	1.5
60	MP2B	Mx	-.003	1.5
61	MP2C	X	-5.136	1.5
62	MP2C	Z	-8.896	1.5
63	MP2C	Mx	.005	1.5
64	MP3A	X	-6.617	1.5
65	MP3A	Z	-11.461	1.5
66	MP3A	Mx	-.003	1.5
67	MP3B	X	-6.617	1.5
68	MP3B	Z	-11.461	1.5
69	MP3B	Mx	-.003	1.5
70	MP3C	X	-4.277	1.5
71	MP3C	Z	-7.408	1.5
72	MP3C	Mx	.004	1.5
73	OVP	X	-14.401	1
74	OVP	Z	-24.944	1
75	OVP	Mx	0	1
76	MP4A	X	-12.277	.5
77	MP4A	Z	-21.264	.5
78	MP4A	Mx	.006	.5
79	MP4A	X	-12.277	3.5
80	MP4A	Z	-21.264	3.5
81	MP4A	Mx	.006	3.5
82	MP4B	X	-12.277	.5
83	MP4B	Z	-21.264	.5
84	MP4B	Mx	.006	.5
85	MP4B	X	-12.277	3.5
86	MP4B	Z	-21.264	3.5
87	MP4B	Mx	.006	3.5
88	MP4C	X	-7.415	.5
89	MP4C	Z	-12.844	.5
90	MP4C	Mx	-.007	.5
91	MP4C	X	-7.415	3.5
92	MP4C	Z	-12.844	3.5
93	MP4C	Mx	-.007	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-4.701	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	2.5
5	MP1A	Z	-4.701	2.5
6	MP1A	Mx	0	2.5
7	MP1B	X	0	.5
8	MP1B	Z	-2.389	.5
9	MP1B	Mx	.001	.5
10	MP1B	X	0	2.5
11	MP1B	Z	-2.389	2.5
12	MP1B	Mx	.001	2.5
13	MP1C	X	0	.5
14	MP1C	Z	-2.389	.5
15	MP1C	Mx	-.001	.5
16	MP1C	X	0	2.5
17	MP1C	Z	-2.389	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.001	2.5
19	MP2A	X	0	.5
20	MP2A	Z	-11.836	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	0	3.5
23	MP2A	Z	-11.836	3.5
24	MP2A	Mx	.009	3.5
25	MP2B	X	0	.5
26	MP2B	Z	-9.558	.5
27	MP2B	Mx	.000554	.5
28	MP2B	X	0	3.5
29	MP2B	Z	-9.558	3.5
30	MP2B	Mx	.000554	3.5
31	MP2C	X	0	.5
32	MP2C	Z	-9.558	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	0	3.5
35	MP2C	Z	-9.558	3.5
36	MP2C	Mx	-.008	3.5
37	MP2A	X	0	.5
38	MP2A	Z	-11.836	.5
39	MP2A	Mx	-.009	.5
40	MP2A	X	0	3.5
41	MP2A	Z	-11.836	3.5
42	MP2A	Mx	-.009	3.5
43	MP2B	X	0	.5
44	MP2B	Z	-9.558	.5
45	MP2B	Mx	.008	.5
46	MP2B	X	0	3.5
47	MP2B	Z	-9.558	3.5
48	MP2B	Mx	.008	3.5
49	MP2C	X	0	.5
50	MP2C	Z	-9.558	.5
51	MP2C	Mx	-.000554	.5
52	MP2C	X	0	3.5
53	MP2C	Z	-9.558	3.5
54	MP2C	Mx	-.000554	3.5
55	MP2A	X	0	1.5
56	MP2A	Z	-3.717	1.5
57	MP2A	Mx	0	1.5
58	MP2B	X	0	1.5
59	MP2B	Z	-2.8	1.5
60	MP2B	Mx	-.001	1.5
61	MP2C	X	0	1.5
62	MP2C	Z	-2.8	1.5
63	MP2C	Mx	.001	1.5
64	MP3A	X	0	1.5
65	MP3A	Z	-3.717	1.5
66	MP3A	Mx	0	1.5
67	MP3B	X	0	1.5
68	MP3B	Z	-2.458	1.5
69	MP3B	Mx	-.001	1.5
70	MP3C	X	0	1.5
71	MP3C	Z	-2.458	1.5
72	MP3C	Mx	.001	1.5
73	OVP	X	0	1
74	OVP	Z	-7.603	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	-9.078	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	3.5
80	MP4A	Z	-9.078	3.5
81	MP4A	Mx	0	3.5
82	MP4B	X	0	.5
83	MP4B	Z	-5.647	.5
84	MP4B	Mx	.002	.5
85	MP4B	X	0	3.5
86	MP4B	Z	-5.647	3.5
87	MP4B	Mx	.002	3.5
88	MP4C	X	0	.5
89	MP4C	Z	-5.647	.5
90	MP4C	Mx	-.002	.5
91	MP4C	X	0	3.5
92	MP4C	Z	-5.647	3.5
93	MP4C	Mx	-.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.965	.5
2	MP1A	Z	-3.404	.5
3	MP1A	Mx	-.000983	.5
4	MP1A	X	1.965	2.5
5	MP1A	Z	-3.404	2.5
6	MP1A	Mx	-.000983	2.5
7	MP1B	X	.809	.5
8	MP1B	Z	-1.402	.5
9	MP1B	Mx	.000809	.5
10	MP1B	X	.809	2.5
11	MP1B	Z	-1.402	2.5
12	MP1B	Mx	.000809	2.5
13	MP1C	X	1.965	.5
14	MP1C	Z	-3.404	.5
15	MP1C	Mx	-.000983	.5
16	MP1C	X	1.965	2.5
17	MP1C	Z	-3.404	2.5
18	MP1C	Mx	-.000983	2.5
19	MP2A	X	5.538	.5
20	MP2A	Z	-9.593	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	5.538	3.5
23	MP2A	Z	-9.593	3.5
24	MP2A	Mx	.004	3.5
25	MP2B	X	4.4	.5
26	MP2B	Z	-7.62	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	4.4	3.5
29	MP2B	Z	-7.62	3.5
30	MP2B	Mx	.004	3.5
31	MP2C	X	5.538	.5
32	MP2C	Z	-9.593	.5
33	MP2C	Mx	-.01	.5
34	MP2C	X	5.538	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-9.593	3.5
36	MP2C	Mx	-.01	3.5
37	MP2A	X	5.538	.5
38	MP2A	Z	-9.593	.5
39	MP2A	Mx	-.01	.5
40	MP2A	X	5.538	3.5
41	MP2A	Z	-9.593	3.5
42	MP2A	Mx	-.01	3.5
43	MP2B	X	4.4	.5
44	MP2B	Z	-7.62	.5
45	MP2B	Mx	.004	.5
46	MP2B	X	4.4	3.5
47	MP2B	Z	-7.62	3.5
48	MP2B	Mx	.004	3.5
49	MP2C	X	5.538	.5
50	MP2C	Z	-9.593	.5
51	MP2C	Mx	.004	.5
52	MP2C	X	5.538	3.5
53	MP2C	Z	-9.593	3.5
54	MP2C	Mx	.004	3.5
55	MP2A	X	1.706	1.5
56	MP2A	Z	-2.955	1.5
57	MP2A	Mx	.000853	1.5
58	MP2B	X	1.247	1.5
59	MP2B	Z	-2.16	1.5
60	MP2B	Mx	-.001	1.5
61	MP2C	X	1.706	1.5
62	MP2C	Z	-2.955	1.5
63	MP2C	Mx	.000853	1.5
64	MP3A	X	1.649	1.5
65	MP3A	Z	-2.856	1.5
66	MP3A	Mx	.000824	1.5
67	MP3B	X	1.019	1.5
68	MP3B	Z	-1.765	1.5
69	MP3B	Mx	-.001	1.5
70	MP3C	X	1.649	1.5
71	MP3C	Z	-2.856	1.5
72	MP3C	Mx	.000824	1.5
73	OVP	X	3.573	1
74	OVP	Z	-6.189	1
75	OVP	Mx	0	1
76	MP4A	X	3.967	.5
77	MP4A	Z	-6.871	.5
78	MP4A	Mx	-.002	.5
79	MP4A	X	3.967	3.5
80	MP4A	Z	-6.871	3.5
81	MP4A	Mx	-.002	3.5
82	MP4B	X	2.252	.5
83	MP4B	Z	-3.9	.5
84	MP4B	Mx	.002	.5
85	MP4B	X	2.252	3.5
86	MP4B	Z	-3.9	3.5
87	MP4B	Mx	.002	3.5
88	MP4C	X	3.967	.5
89	MP4C	Z	-6.871	.5
90	MP4C	Mx	-.002	.5
91	MP4C	X	3.967	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	-6.871	3.5
93	MP4C	Mx	-.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.069	.5
2	MP1A	Z	-1.195	.5
3	MP1A	Mx	-.001	.5
4	MP1A	X	2.069	2.5
5	MP1A	Z	-1.195	2.5
6	MP1A	Mx	-.001	2.5
7	MP1B	X	2.069	.5
8	MP1B	Z	-1.195	.5
9	MP1B	Mx	.001	.5
10	MP1B	X	2.069	2.5
11	MP1B	Z	-1.195	2.5
12	MP1B	Mx	.001	2.5
13	MP1C	X	4.071	.5
14	MP1C	Z	-2.35	.5
15	MP1C	Mx	0	.5
16	MP1C	X	4.071	2.5
17	MP1C	Z	-2.35	2.5
18	MP1C	Mx	0	2.5
19	MP2A	X	8.278	.5
20	MP2A	Z	-4.779	.5
21	MP2A	Mx	-.000555	.5
22	MP2A	X	8.278	3.5
23	MP2A	Z	-4.779	3.5
24	MP2A	Mx	-.000555	3.5
25	MP2B	X	8.278	.5
26	MP2B	Z	-4.779	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	8.278	3.5
29	MP2B	Z	-4.779	3.5
30	MP2B	Mx	.008	3.5
31	MP2C	X	10.25	.5
32	MP2C	Z	-5.918	.5
33	MP2C	Mx	-.009	.5
34	MP2C	X	10.25	3.5
35	MP2C	Z	-5.918	3.5
36	MP2C	Mx	-.009	3.5
37	MP2A	X	8.278	.5
38	MP2A	Z	-4.779	.5
39	MP2A	Mx	-.008	.5
40	MP2A	X	8.278	3.5
41	MP2A	Z	-4.779	3.5
42	MP2A	Mx	-.008	3.5
43	MP2B	X	8.278	.5
44	MP2B	Z	-4.779	.5
45	MP2B	Mx	.000554	.5
46	MP2B	X	8.278	3.5
47	MP2B	Z	-4.779	3.5
48	MP2B	Mx	.000554	3.5
49	MP2C	X	10.25	.5
50	MP2C	Z	-5.918	.5
51	MP2C	Mx	.009	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	10.25	3.5
53	MP2C	Z	-5.918	3.5
54	MP2C	Mx	.009	3.5
55	MP2A	X	2.425	1.5
56	MP2A	Z	-1.4	1.5
57	MP2A	Mx	.001	1.5
58	MP2B	X	2.425	1.5
59	MP2B	Z	-1.4	1.5
60	MP2B	Mx	-.001	1.5
61	MP2C	X	3.219	1.5
62	MP2C	Z	-1.859	1.5
63	MP2C	Mx	0	1.5
64	MP3A	X	2.129	1.5
65	MP3A	Z	-1.229	1.5
66	MP3A	Mx	.001	1.5
67	MP3B	X	2.129	1.5
68	MP3B	Z	-1.229	1.5
69	MP3B	Mx	-.001	1.5
70	MP3C	X	3.219	1.5
71	MP3C	Z	-1.859	1.5
72	MP3C	Mx	0	1.5
73	OVP	X	5.4	1
74	OVP	Z	-3.118	1
75	OVP	Mx	0	1
76	MP4A	X	4.89	.5
77	MP4A	Z	-2.823	.5
78	MP4A	Mx	-.002	.5
79	MP4A	X	4.89	3.5
80	MP4A	Z	-2.823	3.5
81	MP4A	Mx	-.002	3.5
82	MP4B	X	4.89	.5
83	MP4B	Z	-2.823	.5
84	MP4B	Mx	.002	.5
85	MP4B	X	4.89	3.5
86	MP4B	Z	-2.823	3.5
87	MP4B	Mx	.002	3.5
88	MP4C	X	7.861	.5
89	MP4C	Z	-4.539	.5
90	MP4C	Mx	0	.5
91	MP4C	X	7.861	3.5
92	MP4C	Z	-4.539	3.5
93	MP4C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.619	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.00081	.5
4	MP1A	X	1.619	2.5
5	MP1A	Z	0	2.5
6	MP1A	Mx	-.00081	2.5
7	MP1B	X	3.93	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.000983	.5
10	MP1B	X	3.93	2.5
11	MP1B	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.000983	2.5
13	MP1C	X	3.93	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.000983	.5
16	MP1C	X	3.93	2.5
17	MP1C	Z	0	2.5
18	MP1C	Mx	.000983	2.5
19	MP2A	X	8.799	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	8.799	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	-.004	3.5
25	MP2B	X	11.077	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.01	.5
28	MP2B	X	11.077	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	.01	3.5
31	MP2C	X	11.077	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	11.077	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	-.004	3.5
37	MP2A	X	8.799	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.004	.5
40	MP2A	X	8.799	3.5
41	MP2A	Z	0	3.5
42	MP2A	Mx	-.004	3.5
43	MP2B	X	11.077	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.004	.5
46	MP2B	X	11.077	3.5
47	MP2B	Z	0	3.5
48	MP2B	Mx	-.004	3.5
49	MP2C	X	11.077	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.01	.5
52	MP2C	X	11.077	3.5
53	MP2C	Z	0	3.5
54	MP2C	Mx	.01	3.5
55	MP2A	X	2.494	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	.001	1.5
58	MP2B	X	3.412	1.5
59	MP2B	Z	0	1.5
60	MP2B	Mx	-.000853	1.5
61	MP2C	X	3.412	1.5
62	MP2C	Z	0	1.5
63	MP2C	Mx	-.000853	1.5
64	MP3A	X	2.039	1.5
65	MP3A	Z	0	1.5
66	MP3A	Mx	.001	1.5
67	MP3B	X	3.298	1.5
68	MP3B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	-.000824	1.5
70	MP3C	X	3.298	1.5
71	MP3C	Z	0	1.5
72	MP3C	Mx	-.000824	1.5
73	OVP	X	5.78	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP4A	X	4.503	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.002	.5
79	MP4A	X	4.503	3.5
80	MP4A	Z	0	3.5
81	MP4A	Mx	-.002	3.5
82	MP4B	X	7.934	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	.002	.5
85	MP4B	X	7.934	3.5
86	MP4B	Z	0	3.5
87	MP4B	Mx	.002	3.5
88	MP4C	X	7.934	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	.002	.5
91	MP4C	X	7.934	3.5
92	MP4C	Z	0	3.5
93	MP4C	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.069	.5
2	MP1A	Z	1.195	.5
3	MP1A	Mx	-.001	.5
4	MP1A	X	2.069	2.5
5	MP1A	Z	1.195	2.5
6	MP1A	Mx	-.001	2.5
7	MP1B	X	4.071	.5
8	MP1B	Z	2.35	.5
9	MP1B	Mx	0	.5
10	MP1B	X	4.071	2.5
11	MP1B	Z	2.35	2.5
12	MP1B	Mx	0	2.5
13	MP1C	X	2.069	.5
14	MP1C	Z	1.195	.5
15	MP1C	Mx	.001	.5
16	MP1C	X	2.069	2.5
17	MP1C	Z	1.195	2.5
18	MP1C	Mx	.001	2.5
19	MP2A	X	8.278	.5
20	MP2A	Z	4.779	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	8.278	3.5
23	MP2A	Z	4.779	3.5
24	MP2A	Mx	-.008	3.5
25	MP2B	X	10.25	.5
26	MP2B	Z	5.918	.5
27	MP2B	Mx	.009	.5
28	MP2B	X	10.25	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	5.918	3.5
30	MP2B	Mx	.009	3.5
31	MP2C	X	8.278	.5
32	MP2C	Z	4.779	.5
33	MP2C	Mx	.000554	.5
34	MP2C	X	8.278	3.5
35	MP2C	Z	4.779	3.5
36	MP2C	Mx	.000554	3.5
37	MP2A	X	8.278	.5
38	MP2A	Z	4.779	.5
39	MP2A	Mx	-.000555	.5
40	MP2A	X	8.278	3.5
41	MP2A	Z	4.779	3.5
42	MP2A	Mx	-.000555	3.5
43	MP2B	X	10.25	.5
44	MP2B	Z	5.918	.5
45	MP2B	Mx	-.009	.5
46	MP2B	X	10.25	3.5
47	MP2B	Z	5.918	3.5
48	MP2B	Mx	-.009	3.5
49	MP2C	X	8.278	.5
50	MP2C	Z	4.779	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	8.278	3.5
53	MP2C	Z	4.779	3.5
54	MP2C	Mx	.008	3.5
55	MP2A	X	2.425	1.5
56	MP2A	Z	1.4	1.5
57	MP2A	Mx	.001	1.5
58	MP2B	X	3.219	1.5
59	MP2B	Z	1.859	1.5
60	MP2B	Mx	0	1.5
61	MP2C	X	2.425	1.5
62	MP2C	Z	1.4	1.5
63	MP2C	Mx	-.001	1.5
64	MP3A	X	2.129	1.5
65	MP3A	Z	1.229	1.5
66	MP3A	Mx	.001	1.5
67	MP3B	X	3.219	1.5
68	MP3B	Z	1.859	1.5
69	MP3B	Mx	0	1.5
70	MP3C	X	2.129	1.5
71	MP3C	Z	1.229	1.5
72	MP3C	Mx	-.001	1.5
73	OVP	X	5.4	1
74	OVP	Z	3.118	1
75	OVP	Mx	0	1
76	MP4A	X	4.89	.5
77	MP4A	Z	2.823	.5
78	MP4A	Mx	-.002	.5
79	MP4A	X	4.89	3.5
80	MP4A	Z	2.823	3.5
81	MP4A	Mx	-.002	3.5
82	MP4B	X	7.861	.5
83	MP4B	Z	4.539	.5
84	MP4B	Mx	0	.5
85	MP4B	X	7.861	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	4.539	3.5
87	MP4B	Mx	0	3.5
88	MP4C	X	4.89	.5
89	MP4C	Z	2.823	.5
90	MP4C	Mx	.002	.5
91	MP4C	X	4.89	3.5
92	MP4C	Z	2.823	3.5
93	MP4C	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.965	.5
2	MP1A	Z	3.404	.5
3	MP1A	Mx	-.000983	.5
4	MP1A	X	1.965	2.5
5	MP1A	Z	3.404	2.5
6	MP1A	Mx	-.000983	2.5
7	MP1B	X	1.965	.5
8	MP1B	Z	3.404	.5
9	MP1B	Mx	-.000983	.5
10	MP1B	X	1.965	2.5
11	MP1B	Z	3.404	2.5
12	MP1B	Mx	-.000983	2.5
13	MP1C	X	.809	.5
14	MP1C	Z	1.402	.5
15	MP1C	Mx	.000809	.5
16	MP1C	X	.809	2.5
17	MP1C	Z	1.402	2.5
18	MP1C	Mx	.000809	2.5
19	MP2A	X	5.538	.5
20	MP2A	Z	9.593	.5
21	MP2A	Mx	-.01	.5
22	MP2A	X	5.538	3.5
23	MP2A	Z	9.593	3.5
24	MP2A	Mx	-.01	3.5
25	MP2B	X	5.538	.5
26	MP2B	Z	9.593	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	5.538	3.5
29	MP2B	Z	9.593	3.5
30	MP2B	Mx	.004	3.5
31	MP2C	X	4.4	.5
32	MP2C	Z	7.62	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	4.4	3.5
35	MP2C	Z	7.62	3.5
36	MP2C	Mx	.004	3.5
37	MP2A	X	5.538	.5
38	MP2A	Z	9.593	.5
39	MP2A	Mx	.004	.5
40	MP2A	X	5.538	3.5
41	MP2A	Z	9.593	3.5
42	MP2A	Mx	.004	3.5
43	MP2B	X	5.538	.5
44	MP2B	Z	9.593	.5
45	MP2B	Mx	-.01	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	5.538	3.5
47	MP2B	Z	9.593	3.5
48	MP2B	Mx	-.01	3.5
49	MP2C	X	4.4	.5
50	MP2C	Z	7.62	.5
51	MP2C	Mx	.004	.5
52	MP2C	X	4.4	3.5
53	MP2C	Z	7.62	3.5
54	MP2C	Mx	.004	3.5
55	MP2A	X	1.706	1.5
56	MP2A	Z	2.955	1.5
57	MP2A	Mx	.000853	1.5
58	MP2B	X	1.706	1.5
59	MP2B	Z	2.955	1.5
60	MP2B	Mx	.000853	1.5
61	MP2C	X	1.247	1.5
62	MP2C	Z	2.16	1.5
63	MP2C	Mx	-.001	1.5
64	MP3A	X	1.649	1.5
65	MP3A	Z	2.856	1.5
66	MP3A	Mx	.000824	1.5
67	MP3B	X	1.649	1.5
68	MP3B	Z	2.856	1.5
69	MP3B	Mx	.000824	1.5
70	MP3C	X	1.019	1.5
71	MP3C	Z	1.765	1.5
72	MP3C	Mx	-.001	1.5
73	OVP	X	3.573	1
74	OVP	Z	6.189	1
75	OVP	Mx	0	1
76	MP4A	X	3.967	.5
77	MP4A	Z	6.871	.5
78	MP4A	Mx	-.002	.5
79	MP4A	X	3.967	3.5
80	MP4A	Z	6.871	3.5
81	MP4A	Mx	-.002	3.5
82	MP4B	X	3.967	.5
83	MP4B	Z	6.871	.5
84	MP4B	Mx	-.002	.5
85	MP4B	X	3.967	3.5
86	MP4B	Z	6.871	3.5
87	MP4B	Mx	-.002	3.5
88	MP4C	X	2.252	.5
89	MP4C	Z	3.9	.5
90	MP4C	Mx	.002	.5
91	MP4C	X	2.252	3.5
92	MP4C	Z	3.9	3.5
93	MP4C	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	4.701	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	2.5
5	MP1A	Z	4.701	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	0	2.5
7	MP1B	X	0	.5
8	MP1B	Z	2.389	.5
9	MP1B	Mx	-.001	.5
10	MP1B	X	0	2.5
11	MP1B	Z	2.389	2.5
12	MP1B	Mx	-.001	2.5
13	MP1C	X	0	.5
14	MP1C	Z	2.389	.5
15	MP1C	Mx	.001	.5
16	MP1C	X	0	2.5
17	MP1C	Z	2.389	2.5
18	MP1C	Mx	.001	2.5
19	MP2A	X	0	.5
20	MP2A	Z	11.836	.5
21	MP2A	Mx	-.009	.5
22	MP2A	X	0	3.5
23	MP2A	Z	11.836	3.5
24	MP2A	Mx	-.009	3.5
25	MP2B	X	0	.5
26	MP2B	Z	9.558	.5
27	MP2B	Mx	-.000554	.5
28	MP2B	X	0	3.5
29	MP2B	Z	9.558	3.5
30	MP2B	Mx	-.000554	3.5
31	MP2C	X	0	.5
32	MP2C	Z	9.558	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	0	3.5
35	MP2C	Z	9.558	3.5
36	MP2C	Mx	.008	3.5
37	MP2A	X	0	.5
38	MP2A	Z	11.836	.5
39	MP2A	Mx	.009	.5
40	MP2A	X	0	3.5
41	MP2A	Z	11.836	3.5
42	MP2A	Mx	.009	3.5
43	MP2B	X	0	.5
44	MP2B	Z	9.558	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	0	3.5
47	MP2B	Z	9.558	3.5
48	MP2B	Mx	-.008	3.5
49	MP2C	X	0	.5
50	MP2C	Z	9.558	.5
51	MP2C	Mx	.000554	.5
52	MP2C	X	0	3.5
53	MP2C	Z	9.558	3.5
54	MP2C	Mx	.000554	3.5
55	MP2A	X	0	1.5
56	MP2A	Z	3.717	1.5
57	MP2A	Mx	0	1.5
58	MP2B	X	0	1.5
59	MP2B	Z	2.8	1.5
60	MP2B	Mx	.001	1.5
61	MP2C	X	0	1.5
62	MP2C	Z	2.8	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.001	1.5
64	MP3A	X	0	1.5
65	MP3A	Z	3.717	1.5
66	MP3A	Mx	0	1.5
67	MP3B	X	0	1.5
68	MP3B	Z	2.458	1.5
69	MP3B	Mx	.001	1.5
70	MP3C	X	0	1.5
71	MP3C	Z	2.458	1.5
72	MP3C	Mx	-.001	1.5
73	OVP	X	0	1
74	OVP	Z	7.603	1
75	OVP	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	9.078	.5
78	MP4A	Mx	0	.5
79	MP4A	X	0	3.5
80	MP4A	Z	9.078	3.5
81	MP4A	Mx	0	3.5
82	MP4B	X	0	.5
83	MP4B	Z	5.647	.5
84	MP4B	Mx	-.002	.5
85	MP4B	X	0	3.5
86	MP4B	Z	5.647	3.5
87	MP4B	Mx	-.002	3.5
88	MP4C	X	0	.5
89	MP4C	Z	5.647	.5
90	MP4C	Mx	.002	.5
91	MP4C	X	0	3.5
92	MP4C	Z	5.647	3.5
93	MP4C	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.965	.5
2	MP1A	Z	3.404	.5
3	MP1A	Mx	.000983	.5
4	MP1A	X	-1.965	2.5
5	MP1A	Z	3.404	2.5
6	MP1A	Mx	.000983	2.5
7	MP1B	X	-.809	.5
8	MP1B	Z	1.402	.5
9	MP1B	Mx	-.000809	.5
10	MP1B	X	-.809	2.5
11	MP1B	Z	1.402	2.5
12	MP1B	Mx	-.000809	2.5
13	MP1C	X	-1.965	.5
14	MP1C	Z	3.404	.5
15	MP1C	Mx	.000983	.5
16	MP1C	X	-1.965	2.5
17	MP1C	Z	3.404	2.5
18	MP1C	Mx	.000983	2.5
19	MP2A	X	-5.538	.5
20	MP2A	Z	9.593	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	-5.538	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	9.593	3.5
24	MP2A	Mx	-.004	3.5
25	MP2B	X	-4.4	.5
26	MP2B	Z	7.62	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	-4.4	3.5
29	MP2B	Z	7.62	3.5
30	MP2B	Mx	-.004	3.5
31	MP2C	X	-5.538	.5
32	MP2C	Z	9.593	.5
33	MP2C	Mx	.01	.5
34	MP2C	X	-5.538	3.5
35	MP2C	Z	9.593	3.5
36	MP2C	Mx	.01	3.5
37	MP2A	X	-5.538	.5
38	MP2A	Z	9.593	.5
39	MP2A	Mx	.01	.5
40	MP2A	X	-5.538	3.5
41	MP2A	Z	9.593	3.5
42	MP2A	Mx	.01	3.5
43	MP2B	X	-4.4	.5
44	MP2B	Z	7.62	.5
45	MP2B	Mx	-.004	.5
46	MP2B	X	-4.4	3.5
47	MP2B	Z	7.62	3.5
48	MP2B	Mx	-.004	3.5
49	MP2C	X	-5.538	.5
50	MP2C	Z	9.593	.5
51	MP2C	Mx	-.004	.5
52	MP2C	X	-5.538	3.5
53	MP2C	Z	9.593	3.5
54	MP2C	Mx	-.004	3.5
55	MP2A	X	-1.706	1.5
56	MP2A	Z	2.955	1.5
57	MP2A	Mx	-.000853	1.5
58	MP2B	X	-1.247	1.5
59	MP2B	Z	2.16	1.5
60	MP2B	Mx	.001	1.5
61	MP2C	X	-1.706	1.5
62	MP2C	Z	2.955	1.5
63	MP2C	Mx	-.000853	1.5
64	MP3A	X	-1.649	1.5
65	MP3A	Z	2.856	1.5
66	MP3A	Mx	-.000824	1.5
67	MP3B	X	-1.019	1.5
68	MP3B	Z	1.765	1.5
69	MP3B	Mx	.001	1.5
70	MP3C	X	-1.649	1.5
71	MP3C	Z	2.856	1.5
72	MP3C	Mx	-.000824	1.5
73	OVP	X	-3.573	1
74	OVP	Z	6.189	1
75	OVP	Mx	0	1
76	MP4A	X	-3.967	.5
77	MP4A	Z	6.871	.5
78	MP4A	Mx	.002	.5
79	MP4A	X	-3.967	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	6.871	3.5
81	MP4A	Mx	.002	3.5
82	MP4B	X	-2.252	.5
83	MP4B	Z	3.9	.5
84	MP4B	Mx	-.002	.5
85	MP4B	X	-2.252	3.5
86	MP4B	Z	3.9	3.5
87	MP4B	Mx	-.002	3.5
88	MP4C	X	-3.967	.5
89	MP4C	Z	6.871	.5
90	MP4C	Mx	.002	.5
91	MP4C	X	-3.967	3.5
92	MP4C	Z	6.871	3.5
93	MP4C	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.069	.5
2	MP1A	Z	1.195	.5
3	MP1A	Mx	.001	.5
4	MP1A	X	-2.069	2.5
5	MP1A	Z	1.195	2.5
6	MP1A	Mx	.001	2.5
7	MP1B	X	-2.069	.5
8	MP1B	Z	1.195	.5
9	MP1B	Mx	-.001	.5
10	MP1B	X	-2.069	2.5
11	MP1B	Z	1.195	2.5
12	MP1B	Mx	-.001	2.5
13	MP1C	X	-4.071	.5
14	MP1C	Z	2.35	.5
15	MP1C	Mx	0	.5
16	MP1C	X	-4.071	2.5
17	MP1C	Z	2.35	2.5
18	MP1C	Mx	0	2.5
19	MP2A	X	-8.278	.5
20	MP2A	Z	4.779	.5
21	MP2A	Mx	.000555	.5
22	MP2A	X	-8.278	3.5
23	MP2A	Z	4.779	3.5
24	MP2A	Mx	.000555	3.5
25	MP2B	X	-8.278	.5
26	MP2B	Z	4.779	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	-8.278	3.5
29	MP2B	Z	4.779	3.5
30	MP2B	Mx	-.008	3.5
31	MP2C	X	-10.25	.5
32	MP2C	Z	5.918	.5
33	MP2C	Mx	.009	.5
34	MP2C	X	-10.25	3.5
35	MP2C	Z	5.918	3.5
36	MP2C	Mx	.009	3.5
37	MP2A	X	-8.278	.5
38	MP2A	Z	4.779	.5
39	MP2A	Mx	.008	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	-8.278	3.5
41	MP2A	Z	4.779	3.5
42	MP2A	Mx	.008	3.5
43	MP2B	X	-8.278	.5
44	MP2B	Z	4.779	.5
45	MP2B	Mx	-.000554	.5
46	MP2B	X	-8.278	3.5
47	MP2B	Z	4.779	3.5
48	MP2B	Mx	-.000554	3.5
49	MP2C	X	-10.25	.5
50	MP2C	Z	5.918	.5
51	MP2C	Mx	-.009	.5
52	MP2C	X	-10.25	3.5
53	MP2C	Z	5.918	3.5
54	MP2C	Mx	-.009	3.5
55	MP2A	X	-2.425	1.5
56	MP2A	Z	1.4	1.5
57	MP2A	Mx	-.001	1.5
58	MP2B	X	-2.425	1.5
59	MP2B	Z	1.4	1.5
60	MP2B	Mx	.001	1.5
61	MP2C	X	-3.219	1.5
62	MP2C	Z	1.859	1.5
63	MP2C	Mx	0	1.5
64	MP3A	X	-2.129	1.5
65	MP3A	Z	1.229	1.5
66	MP3A	Mx	-.001	1.5
67	MP3B	X	-2.129	1.5
68	MP3B	Z	1.229	1.5
69	MP3B	Mx	.001	1.5
70	MP3C	X	-3.219	1.5
71	MP3C	Z	1.859	1.5
72	MP3C	Mx	0	1.5
73	OVP	X	-5.4	1
74	OVP	Z	3.118	1
75	OVP	Mx	0	1
76	MP4A	X	-4.89	.5
77	MP4A	Z	2.823	.5
78	MP4A	Mx	.002	.5
79	MP4A	X	-4.89	3.5
80	MP4A	Z	2.823	3.5
81	MP4A	Mx	.002	3.5
82	MP4B	X	-4.89	.5
83	MP4B	Z	2.823	.5
84	MP4B	Mx	-.002	.5
85	MP4B	X	-4.89	3.5
86	MP4B	Z	2.823	3.5
87	MP4B	Mx	-.002	3.5
88	MP4C	X	-7.861	.5
89	MP4C	Z	4.539	.5
90	MP4C	Mx	0	.5
91	MP4C	X	-7.861	3.5
92	MP4C	Z	4.539	3.5
93	MP4C	Mx	0	3.5

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.619	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.00081	.5
4	MP1A	X	-1.619	2.5
5	MP1A	Z	0	2.5
6	MP1A	Mx	.00081	2.5
7	MP1B	X	-3.93	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.000983	.5
10	MP1B	X	-3.93	2.5
11	MP1B	Z	0	2.5
12	MP1B	Mx	-.000983	2.5
13	MP1C	X	-3.93	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.000983	.5
16	MP1C	X	-3.93	2.5
17	MP1C	Z	0	2.5
18	MP1C	Mx	-.000983	2.5
19	MP2A	X	-8.799	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-8.799	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	.004	3.5
25	MP2B	X	-11.077	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.01	.5
28	MP2B	X	-11.077	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	-.01	3.5
31	MP2C	X	-11.077	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	-11.077	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.004	3.5
37	MP2A	X	-8.799	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.004	.5
40	MP2A	X	-8.799	3.5
41	MP2A	Z	0	3.5
42	MP2A	Mx	.004	3.5
43	MP2B	X	-11.077	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.004	.5
46	MP2B	X	-11.077	3.5
47	MP2B	Z	0	3.5
48	MP2B	Mx	.004	3.5
49	MP2C	X	-11.077	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.01	.5
52	MP2C	X	-11.077	3.5
53	MP2C	Z	0	3.5
54	MP2C	Mx	-.01	3.5
55	MP2A	X	-2.494	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-3.412	1.5
59	MP2B	Z	0	1.5
60	MP2B	Mx	.000853	1.5
61	MP2C	X	-3.412	1.5
62	MP2C	Z	0	1.5
63	MP2C	Mx	.000853	1.5
64	MP3A	X	-2.039	1.5
65	MP3A	Z	0	1.5
66	MP3A	Mx	-.001	1.5
67	MP3B	X	-3.298	1.5
68	MP3B	Z	0	1.5
69	MP3B	Mx	.000824	1.5
70	MP3C	X	-3.298	1.5
71	MP3C	Z	0	1.5
72	MP3C	Mx	.000824	1.5
73	OVP	X	-5.78	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP4A	X	-4.503	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.002	.5
79	MP4A	X	-4.503	3.5
80	MP4A	Z	0	3.5
81	MP4A	Mx	.002	3.5
82	MP4B	X	-7.934	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	-.002	.5
85	MP4B	X	-7.934	3.5
86	MP4B	Z	0	3.5
87	MP4B	Mx	-.002	3.5
88	MP4C	X	-7.934	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	-.002	.5
91	MP4C	X	-7.934	3.5
92	MP4C	Z	0	3.5
93	MP4C	Mx	-.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.069	.5
2	MP1A	Z	-1.195	.5
3	MP1A	Mx	.001	.5
4	MP1A	X	-2.069	2.5
5	MP1A	Z	-1.195	2.5
6	MP1A	Mx	.001	2.5
7	MP1B	X	-4.071	.5
8	MP1B	Z	-2.35	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-4.071	2.5
11	MP1B	Z	-2.35	2.5
12	MP1B	Mx	0	2.5
13	MP1C	X	-2.069	.5
14	MP1C	Z	-1.195	.5
15	MP1C	Mx	-.001	.5
16	MP1C	X	-2.069	2.5
17	MP1C	Z	-1.195	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.001	2.5
19	MP2A	X	-8.278	.5
20	MP2A	Z	-4.779	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	-8.278	3.5
23	MP2A	Z	-4.779	3.5
24	MP2A	Mx	.008	3.5
25	MP2B	X	-10.25	.5
26	MP2B	Z	-5.918	.5
27	MP2B	Mx	-.009	.5
28	MP2B	X	-10.25	3.5
29	MP2B	Z	-5.918	3.5
30	MP2B	Mx	-.009	3.5
31	MP2C	X	-8.278	.5
32	MP2C	Z	-4.779	.5
33	MP2C	Mx	-.000554	.5
34	MP2C	X	-8.278	3.5
35	MP2C	Z	-4.779	3.5
36	MP2C	Mx	-.000554	3.5
37	MP2A	X	-8.278	.5
38	MP2A	Z	-4.779	.5
39	MP2A	Mx	.000555	.5
40	MP2A	X	-8.278	3.5
41	MP2A	Z	-4.779	3.5
42	MP2A	Mx	.000555	3.5
43	MP2B	X	-10.25	.5
44	MP2B	Z	-5.918	.5
45	MP2B	Mx	.009	.5
46	MP2B	X	-10.25	3.5
47	MP2B	Z	-5.918	3.5
48	MP2B	Mx	.009	3.5
49	MP2C	X	-8.278	.5
50	MP2C	Z	-4.779	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	-8.278	3.5
53	MP2C	Z	-4.779	3.5
54	MP2C	Mx	-.008	3.5
55	MP2A	X	-2.425	1.5
56	MP2A	Z	-1.4	1.5
57	MP2A	Mx	-.001	1.5
58	MP2B	X	-3.219	1.5
59	MP2B	Z	-1.859	1.5
60	MP2B	Mx	0	1.5
61	MP2C	X	-2.425	1.5
62	MP2C	Z	-1.4	1.5
63	MP2C	Mx	.001	1.5
64	MP3A	X	-2.129	1.5
65	MP3A	Z	-1.229	1.5
66	MP3A	Mx	-.001	1.5
67	MP3B	X	-3.219	1.5
68	MP3B	Z	-1.859	1.5
69	MP3B	Mx	0	1.5
70	MP3C	X	-2.129	1.5
71	MP3C	Z	-1.229	1.5
72	MP3C	Mx	.001	1.5
73	OVP	X	-5.4	1
74	OVP	Z	-3.118	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP	Mx	0	1
76	MP4A	X	-4.89	.5
77	MP4A	Z	-2.823	.5
78	MP4A	Mx	.002	.5
79	MP4A	X	-4.89	3.5
80	MP4A	Z	-2.823	3.5
81	MP4A	Mx	.002	3.5
82	MP4B	X	-7.861	.5
83	MP4B	Z	-4.539	.5
84	MP4B	Mx	0	.5
85	MP4B	X	-7.861	3.5
86	MP4B	Z	-4.539	3.5
87	MP4B	Mx	0	3.5
88	MP4C	X	-4.89	.5
89	MP4C	Z	-2.823	.5
90	MP4C	Mx	-.002	.5
91	MP4C	X	-4.89	3.5
92	MP4C	Z	-2.823	3.5
93	MP4C	Mx	-.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.965	.5
2	MP1A	Z	-3.404	.5
3	MP1A	Mx	.000983	.5
4	MP1A	X	-1.965	2.5
5	MP1A	Z	-3.404	2.5
6	MP1A	Mx	.000983	2.5
7	MP1B	X	-1.965	.5
8	MP1B	Z	-3.404	.5
9	MP1B	Mx	.000983	.5
10	MP1B	X	-1.965	2.5
11	MP1B	Z	-3.404	2.5
12	MP1B	Mx	.000983	2.5
13	MP1C	X	-.809	.5
14	MP1C	Z	-1.402	.5
15	MP1C	Mx	-.000809	.5
16	MP1C	X	-.809	2.5
17	MP1C	Z	-1.402	2.5
18	MP1C	Mx	-.000809	2.5
19	MP2A	X	-5.538	.5
20	MP2A	Z	-9.593	.5
21	MP2A	Mx	.01	.5
22	MP2A	X	-5.538	3.5
23	MP2A	Z	-9.593	3.5
24	MP2A	Mx	.01	3.5
25	MP2B	X	-5.538	.5
26	MP2B	Z	-9.593	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	-5.538	3.5
29	MP2B	Z	-9.593	3.5
30	MP2B	Mx	-.004	3.5
31	MP2C	X	-4.4	.5
32	MP2C	Z	-7.62	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-4.4	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-7.62	3.5
36	MP2C	Mx	-.004	3.5
37	MP2A	X	-5.538	.5
38	MP2A	Z	-9.593	.5
39	MP2A	Mx	-.004	.5
40	MP2A	X	-5.538	3.5
41	MP2A	Z	-9.593	3.5
42	MP2A	Mx	-.004	3.5
43	MP2B	X	-5.538	.5
44	MP2B	Z	-9.593	.5
45	MP2B	Mx	.01	.5
46	MP2B	X	-5.538	3.5
47	MP2B	Z	-9.593	3.5
48	MP2B	Mx	.01	3.5
49	MP2C	X	-4.4	.5
50	MP2C	Z	-7.62	.5
51	MP2C	Mx	-.004	.5
52	MP2C	X	-4.4	3.5
53	MP2C	Z	-7.62	3.5
54	MP2C	Mx	-.004	3.5
55	MP2A	X	-1.706	1.5
56	MP2A	Z	-2.955	1.5
57	MP2A	Mx	-.000853	1.5
58	MP2B	X	-1.706	1.5
59	MP2B	Z	-2.955	1.5
60	MP2B	Mx	-.000853	1.5
61	MP2C	X	-1.247	1.5
62	MP2C	Z	-2.16	1.5
63	MP2C	Mx	.001	1.5
64	MP3A	X	-1.649	1.5
65	MP3A	Z	-2.856	1.5
66	MP3A	Mx	-.000824	1.5
67	MP3B	X	-1.649	1.5
68	MP3B	Z	-2.856	1.5
69	MP3B	Mx	-.000824	1.5
70	MP3C	X	-1.019	1.5
71	MP3C	Z	-1.765	1.5
72	MP3C	Mx	.001	1.5
73	OVP	X	-3.573	1
74	OVP	Z	-6.189	1
75	OVP	Mx	0	1
76	MP4A	X	-3.967	.5
77	MP4A	Z	-6.871	.5
78	MP4A	Mx	.002	.5
79	MP4A	X	-3.967	3.5
80	MP4A	Z	-6.871	3.5
81	MP4A	Mx	.002	3.5
82	MP4B	X	-3.967	.5
83	MP4B	Z	-6.871	.5
84	MP4B	Mx	.002	.5
85	MP4B	X	-3.967	3.5
86	MP4B	Z	-6.871	3.5
87	MP4B	Mx	.002	3.5
88	MP4C	X	-2.252	.5
89	MP4C	Z	-3.9	.5
90	MP4C	Mx	-.002	.5
91	MP4C	X	-2.252	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	-3.9	3.5
93	MP4C	Mx	-.002	3.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M81	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M76	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-1.858	.5
2	MP1A	My	-.000929	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-1.858	2.5
5	MP1A	My	-.000929	2.5
6	MP1A	Mz	0	2.5
7	MP1B	Y	-1.858	.5
8	MP1B	My	.000465	.5
9	MP1B	Mz	-.000805	.5
10	MP1B	Y	-1.858	2.5
11	MP1B	My	.000465	2.5
12	MP1B	Mz	-.000805	2.5
13	MP1C	Y	-1.858	.5
14	MP1C	My	.000465	.5
15	MP1C	Mz	.000805	.5
16	MP1C	Y	-1.858	2.5
17	MP1C	My	.000465	2.5
18	MP1C	Mz	.000805	2.5
19	MP2A	Y	-.981	.5
20	MP2A	My	-.000491	.5
21	MP2A	Mz	-.000736	.5
22	MP2A	Y	-.981	3.5
23	MP2A	My	-.000491	3.5
24	MP2A	Mz	-.000736	3.5
25	MP2B	Y	-.981	.5
26	MP2B	My	.000883	.5
27	MP2B	Mz	-5.7e-5	.5
28	MP2B	Y	-.981	3.5
29	MP2B	My	.000883	3.5
30	MP2B	Mz	-5.7e-5	3.5
31	MP2C	Y	-.981	.5
32	MP2C	My	-.000392	.5
33	MP2C	Mz	.000793	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	Y	-.981	3.5
35	MP2C	My	-.000392	3.5
36	MP2C	Mz	.000793	3.5
37	MP2A	Y	-.981	.5
38	MP2A	My	-.000491	.5
39	MP2A	Mz	.000736	.5
40	MP2A	Y	-.981	3.5
41	MP2A	My	-.000491	3.5
42	MP2A	Mz	.000736	3.5
43	MP2B	Y	-.981	.5
44	MP2B	My	-.000392	.5
45	MP2B	Mz	-.000793	.5
46	MP2B	Y	-.981	3.5
47	MP2B	My	-.000392	3.5
48	MP2B	Mz	-.000793	3.5
49	MP2C	Y	-.981	.5
50	MP2C	My	.000883	.5
51	MP2C	Mz	5.7e-5	.5
52	MP2C	Y	-.981	3.5
53	MP2C	My	.000883	3.5
54	MP2C	Mz	5.7e-5	3.5
55	MP2A	Y	-3.601	1.5
56	MP2A	My	.002	1.5
57	MP2A	Mz	0	1.5
58	MP2B	Y	-3.601	1.5
59	MP2B	My	-.0009	1.5
60	MP2B	Mz	.002	1.5
61	MP2C	Y	-3.601	1.5
62	MP2C	My	-.0009	1.5
63	MP2C	Mz	-.002	1.5
64	MP3A	Y	-2.999	1.5
65	MP3A	My	.002	1.5
66	MP3A	Mz	0	1.5
67	MP3B	Y	-2.999	1.5
68	MP3B	My	-.00075	1.5
69	MP3B	Mz	.001	1.5
70	MP3C	Y	-2.999	1.5
71	MP3C	My	-.00075	1.5
72	MP3C	Mz	-.001	1.5
73	OVP	Y	-1.365	1
74	OVP	My	0	1
75	OVP	Mz	0	1
76	MP4A	Y	-.363	.5
77	MP4A	My	-.000181	.5
78	MP4A	Mz	0	.5
79	MP4A	Y	-.363	3.5
80	MP4A	My	-.000181	3.5
81	MP4A	Mz	0	3.5
82	MP4B	Y	-.363	.5
83	MP4B	My	9.1e-5	.5
84	MP4B	Mz	-.000157	.5
85	MP4B	Y	-.363	3.5
86	MP4B	My	9.1e-5	3.5
87	MP4B	Mz	-.000157	3.5
88	MP4C	Y	-.363	.5
89	MP4C	My	9.1e-5	.5
90	MP4C	Mz	.000157	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP4C	Y	-.363	3.5
92	MP4C	My	9.1e-5	3.5
93	MP4C	Mz	.000157	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-4.645	.5
2	MP1A	Mx	0	.5
3	MP1A	Z	-4.645	2.5
4	MP1A	Mx	0	2.5
5	MP1B	Z	-4.645	.5
6	MP1B	Mx	.002	.5
7	MP1B	Z	-4.645	2.5
8	MP1B	Mx	.002	2.5
9	MP1C	Z	-4.645	.5
10	MP1C	Mx	-.002	.5
11	MP1C	Z	-4.645	2.5
12	MP1C	Mx	-.002	2.5
13	MP2A	Z	-2.453	.5
14	MP2A	Mx	.002	.5
15	MP2A	Z	-2.453	3.5
16	MP2A	Mx	.002	3.5
17	MP2B	Z	-2.453	.5
18	MP2B	Mx	.000142	.5
19	MP2B	Z	-2.453	3.5
20	MP2B	Mx	.000142	3.5
21	MP2C	Z	-2.453	.5
22	MP2C	Mx	-.002	.5
23	MP2C	Z	-2.453	3.5
24	MP2C	Mx	-.002	3.5
25	MP2A	Z	-2.453	.5
26	MP2A	Mx	-.002	.5
27	MP2A	Z	-2.453	3.5
28	MP2A	Mx	-.002	3.5
29	MP2B	Z	-2.453	.5
30	MP2B	Mx	.002	.5
31	MP2B	Z	-2.453	3.5
32	MP2B	Mx	.002	3.5
33	MP2C	Z	-2.453	.5
34	MP2C	Mx	-.000142	.5
35	MP2C	Z	-2.453	3.5
36	MP2C	Mx	-.000142	3.5
37	MP2A	Z	-9.003	1.5
38	MP2A	Mx	0	1.5
39	MP2B	Z	-9.003	1.5
40	MP2B	Mx	-.004	1.5
41	MP2C	Z	-9.003	1.5
42	MP2C	Mx	.004	1.5
43	MP3A	Z	-7.499	1.5
44	MP3A	Mx	0	1.5
45	MP3B	Z	-7.499	1.5
46	MP3B	Mx	-.003	1.5
47	MP3C	Z	-7.499	1.5
48	MP3C	Mx	.003	1.5
49	OVP	Z	-3.413	1
50	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4A	Z	-.907	.5
52	MP4A	Mx	0	.5
53	MP4A	Z	-.907	3.5
54	MP4A	Mx	0	3.5
55	MP4B	Z	-.907	.5
56	MP4B	Mx	.000393	.5
57	MP4B	Z	-.907	3.5
58	MP4B	Mx	.000393	3.5
59	MP4C	Z	-.907	.5
60	MP4C	Mx	-.000393	.5
61	MP4C	Z	-.907	3.5
62	MP4C	Mx	-.000393	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.645	.5
2	MP1A	Mx	-.002	.5
3	MP1A	X	4.645	2.5
4	MP1A	Mx	-.002	2.5
5	MP1B	X	4.645	.5
6	MP1B	Mx	.001	.5
7	MP1B	X	4.645	2.5
8	MP1B	Mx	.001	2.5
9	MP1C	X	4.645	.5
10	MP1C	Mx	.001	.5
11	MP1C	X	4.645	2.5
12	MP1C	Mx	.001	2.5
13	MP2A	X	2.453	.5
14	MP2A	Mx	-.001	.5
15	MP2A	X	2.453	3.5
16	MP2A	Mx	-.001	3.5
17	MP2B	X	2.453	.5
18	MP2B	Mx	.002	.5
19	MP2B	X	2.453	3.5
20	MP2B	Mx	.002	3.5
21	MP2C	X	2.453	.5
22	MP2C	Mx	-.00098	.5
23	MP2C	X	2.453	3.5
24	MP2C	Mx	-.00098	3.5
25	MP2A	X	2.453	.5
26	MP2A	Mx	-.001	.5
27	MP2A	X	2.453	3.5
28	MP2A	Mx	-.001	3.5
29	MP2B	X	2.453	.5
30	MP2B	Mx	-.00098	.5
31	MP2B	X	2.453	3.5
32	MP2B	Mx	-.00098	3.5
33	MP2C	X	2.453	.5
34	MP2C	Mx	.002	.5
35	MP2C	X	2.453	3.5
36	MP2C	Mx	.002	3.5
37	MP2A	X	9.003	1.5
38	MP2A	Mx	.005	1.5
39	MP2B	X	9.003	1.5
40	MP2B	Mx	-.002	1.5
41	MP2C	X	9.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP2C	Mx	-.002	1.5
43	MP3A	X	7.499	1.5
44	MP3A	Mx	.004	1.5
45	MP3B	X	7.499	1.5
46	MP3B	Mx	-.002	1.5
47	MP3C	X	7.499	1.5
48	MP3C	Mx	-.002	1.5
49	OVP	X	3.413	1
50	OVP	Mx	0	1
51	MP4A	X	.907	.5
52	MP4A	Mx	-.000453	.5
53	MP4A	X	.907	3.5
54	MP4A	Mx	-.000453	3.5
55	MP4B	X	.907	.5
56	MP4B	Mx	.000227	.5
57	MP4B	X	.907	3.5
58	MP4B	Mx	.000227	3.5
59	MP4C	X	.907	.5
60	MP4C	Mx	.000227	.5
61	MP4C	X	.907	3.5
62	MP4C	Mx	.000227	3.5

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	-9.116	-9.116	0	%100
2	M2	Y	-5.302	-5.302	0	%100
3	M3	Y	-5.302	-5.302	0	%100
4	M4	Y	-9.594	-9.594	0	%100
5	M7	Y	-5.302	-5.302	0	%100
6	M8	Y	-5.302	-5.302	0	%100
7	M12	Y	-9.594	-9.594	0	%100
8	M13	Y	-9.594	-9.594	0	%100
9	M15	Y	-9.594	-9.594	0	%100
10	M17	Y	-9.594	-9.594	0	%100
11	M18	Y	-9.594	-9.594	0	%100
12	M20	Y	-9.594	-9.594	0	%100
13	M25	Y	-9.116	-9.116	0	%100
14	M26	Y	-5.302	-5.302	0	%100
15	M27	Y	-5.302	-5.302	0	%100
16	M28	Y	-9.594	-9.594	0	%100
17	M31	Y	-5.302	-5.302	0	%100
18	M32	Y	-5.302	-5.302	0	%100
19	M36	Y	-9.594	-9.594	0	%100
20	M37	Y	-9.594	-9.594	0	%100
21	M39	Y	-9.594	-9.594	0	%100
22	M41	Y	-9.594	-9.594	0	%100
23	M42	Y	-9.594	-9.594	0	%100
24	M44	Y	-9.594	-9.594	0	%100
25	M49	Y	-9.116	-9.116	0	%100
26	M50	Y	-5.302	-5.302	0	%100
27	M51	Y	-5.302	-5.302	0	%100
28	M52	Y	-9.594	-9.594	0	%100
29	M55	Y	-5.302	-5.302	0	%100
30	M56	Y	-5.302	-5.302	0	%100
31	M60	Y	-9.594	-9.594	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,%]
32	M61	Y	-9.594	-9.594	0	%100
33	M63	Y	-9.594	-9.594	0	%100
34	M65	Y	-9.594	-9.594	0	%100
35	M66	Y	-9.594	-9.594	0	%100
36	M68	Y	-9.594	-9.594	0	%100
37	M73	Y	-6.208	-6.208	0	%100
38	M74	Y	-6.208	-6.208	0	%100
39	M75	Y	-6.208	-6.208	0	%100
40	MP1A	Y	-4.691	-4.691	0	%100
41	MP2A	Y	-4.691	-4.691	0	%100
42	MP3A	Y	-4.691	-4.691	0	%100
43	MP4A	Y	-4.691	-4.691	0	%100
44	MP1C	Y	-4.691	-4.691	0	%100
45	MP2C	Y	-4.691	-4.691	0	%100
46	MP1B	Y	-4.691	-4.691	0	%100
47	MP2B	Y	-4.691	-4.691	0	%100
48	OVP	Y	-4.691	-4.691	0	%100
49	M102	Y	-5.365	-5.365	0	%100
50	M103	Y	-5.365	-5.365	0	%100
51	M104	Y	-5.365	-5.365	0	%100
52	M123	Y	-7.209	-7.209	0	%100
53	M124	Y	-7.209	-7.209	0	%100
54	M125	Y	-7.209	-7.209	0	%100
55	M126	Y	-10.084	-10.084	0	%100
56	M127	Y	-10.084	-10.084	0	%100
57	M128	Y	-10.084	-10.084	0	%100
58	MP3C	Y	-4.691	-4.691	0	%100
59	MP4C	Y	-4.691	-4.691	0	%100
60	MP3B	Y	-4.691	-4.691	0	%100
61	MP4B	Y	-4.691	-4.691	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-10.061	-10.061	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.581	-2.581	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-2.581	-2.581	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-5.66	-5.66	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-12.573	-12.573	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-3.143	-3.143	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	-16.981	-16.981	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-23.061	-23.061	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-24.29	-24.29	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	-16.981	-16.981	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	-5.765	-5.765	0	%100
23	M20	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,%]
24	M20	Z	-6.072	-6.072	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-10.325	-10.325	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-10.325	-10.325	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-22.642	-22.642	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-3.143	-3.143	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-3.143	-3.143	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-5.765	-5.765	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-6.072	-6.072	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-5.765	-5.765	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-6.072	-6.072	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-10.061	-10.061	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	-2.581	-2.581	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	-2.581	-2.581	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	-5.66	-5.66	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-3.143	-3.143	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-12.573	-12.573	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-16.981	-16.981	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-5.765	-5.765	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-6.072	-6.072	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-16.981	-16.981	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-23.061	-23.061	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-24.29	-24.29	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-13.208	-13.208	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-3.302	-3.302	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-3.302	-3.302	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-8.962	-8.962	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,%]
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-8.962	-8.962	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-8.962	-8.962	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-8.962	-8.962	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-8.962	-8.962	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-8.962	-8.962	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-8.962	-8.962	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-8.962	-8.962	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	-8.167	-8.167	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-10.849	-10.849	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	-2.712	-2.712	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-2.712	-2.712	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-4.193	-4.193	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-2.627	-2.627	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-13.457	-13.457	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-10.372	-10.372	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	-15.643	-15.643	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	-15.643	-15.643	0	%100
115	MP3C	X	0	0	0	%100
116	MP3C	Z	-8.962	-8.962	0	%100
117	MP4C	X	0	0	0	%100
118	MP4C	Z	-8.962	-8.962	0	%100
119	MP3B	X	0	0	0	%100
120	MP3B	Z	-8.962	-8.962	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	-8.962	-8.962	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	6.708	6.708	0	%100
2	M1	Z	-11.618	-11.618	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	4.715	4.715	0	%100
10	M7	Z	-8.166	-8.166	0	%100
11	M8	X	4.715	4.715	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,%]
12	M8	Z	-8.166	-8.166	0	%100
13	M12	X	11.321	11.321	0	%100
14	M12	Z	-19.608	-19.608	0	%100
15	M13	X	8.648	8.648	0	%100
16	M13	Z	-14.979	-14.979	0	%100
17	M15	X	9.109	9.109	0	%100
18	M15	Z	-15.777	-15.777	0	%100
19	M17	X	11.321	11.321	0	%100
20	M17	Z	-19.608	-19.608	0	%100
21	M18	X	8.648	8.648	0	%100
22	M18	Z	-14.979	-14.979	0	%100
23	M20	X	9.109	9.109	0	%100
24	M20	Z	-15.777	-15.777	0	%100
25	M25	X	1.677	1.677	0	%100
26	M25	Z	-2.904	-2.904	0	%100
27	M26	X	3.872	3.872	0	%100
28	M26	Z	-6.706	-6.706	0	%100
29	M27	X	3.872	3.872	0	%100
30	M27	Z	-6.706	-6.706	0	%100
31	M28	X	8.491	8.491	0	%100
32	M28	Z	-14.706	-14.706	0	%100
33	M31	X	4.715	4.715	0	%100
34	M31	Z	-8.166	-8.166	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	2.83	2.83	0	%100
38	M36	Z	-4.902	-4.902	0	%100
39	M37	X	8.648	8.648	0	%100
40	M37	Z	-14.979	-14.979	0	%100
41	M39	X	9.109	9.109	0	%100
42	M39	Z	-15.777	-15.777	0	%100
43	M41	X	2.83	2.83	0	%100
44	M41	Z	-4.902	-4.902	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	1.677	1.677	0	%100
50	M49	Z	-2.904	-2.904	0	%100
51	M50	X	3.872	3.872	0	%100
52	M50	Z	-6.706	-6.706	0	%100
53	M51	X	3.872	3.872	0	%100
54	M51	Z	-6.706	-6.706	0	%100
55	M52	X	8.491	8.491	0	%100
56	M52	Z	-14.706	-14.706	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	4.715	4.715	0	%100
60	M56	Z	-8.166	-8.166	0	%100
61	M60	X	2.83	2.83	0	%100
62	M60	Z	-4.902	-4.902	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	2.83	2.83	0	%100
68	M65	Z	-4.902	-4.902	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,%]
69	M66	X	8.648	8.648	0	%100
70	M66	Z	-14.979	-14.979	0	%100
71	M68	X	9.109	9.109	0	%100
72	M68	Z	-15.777	-15.777	0	%100
73	M73	X	4.953	4.953	0	%100
74	M73	Z	-8.579	-8.579	0	%100
75	M74	X	4.953	4.953	0	%100
76	M74	Z	-8.579	-8.579	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	4.481	4.481	0	%100
80	MP1A	Z	-7.762	-7.762	0	%100
81	MP2A	X	4.481	4.481	0	%100
82	MP2A	Z	-7.762	-7.762	0	%100
83	MP3A	X	4.481	4.481	0	%100
84	MP3A	Z	-7.762	-7.762	0	%100
85	MP4A	X	4.481	4.481	0	%100
86	MP4A	Z	-7.762	-7.762	0	%100
87	MP1C	X	4.481	4.481	0	%100
88	MP1C	Z	-7.762	-7.762	0	%100
89	MP2C	X	4.481	4.481	0	%100
90	MP2C	Z	-7.762	-7.762	0	%100
91	MP1B	X	4.481	4.481	0	%100
92	MP1B	Z	-7.762	-7.762	0	%100
93	MP2B	X	4.481	4.481	0	%100
94	MP2B	Z	-7.762	-7.762	0	%100
95	OVP	X	4.084	4.084	0	%100
96	OVP	Z	-7.073	-7.073	0	%100
97	M102	X	4.068	4.068	0	%100
98	M102	Z	-7.047	-7.047	0	%100
99	M103	X	4.068	4.068	0	%100
100	M103	Z	-7.047	-7.047	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	5.445	5.445	0	%100
104	M123	Z	-9.432	-9.432	0	%100
105	M124	X	.03	.03	0	%100
106	M124	Z	-.053	-.053	0	%100
107	M125	X	4.662	4.662	0	%100
108	M125	Z	-8.075	-8.075	0	%100
109	M126	X	6.065	6.065	0	%100
110	M126	Z	-10.504	-10.504	0	%100
111	M127	X	6.168	6.168	0	%100
112	M127	Z	-10.684	-10.684	0	%100
113	M128	X	8.648	8.648	0	%100
114	M128	Z	-14.979	-14.979	0	%100
115	MP3C	X	4.481	4.481	0	%100
116	MP3C	Z	-7.762	-7.762	0	%100
117	MP4C	X	4.481	4.481	0	%100
118	MP4C	Z	-7.762	-7.762	0	%100
119	MP3B	X	4.481	4.481	0	%100
120	MP3B	Z	-7.762	-7.762	0	%100
121	MP4B	X	4.481	4.481	0	%100
122	MP4B	Z	-7.762	-7.762	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,%]

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,%]
1	M1	X	8.713	8.713	0	%100
2	M1	Z	-5.031	-5.031	0	%100
3	M2	X	2.235	2.235	0	%100
4	M2	Z	-1.291	-1.291	0	%100
5	M3	X	2.235	2.235	0	%100
6	M3	Z	-1.291	-1.291	0	%100
7	M4	X	4.902	4.902	0	%100
8	M4	Z	-2.83	-2.83	0	%100
9	M7	X	2.722	2.722	0	%100
10	M7	Z	-1.572	-1.572	0	%100
11	M8	X	10.888	10.888	0	%100
12	M8	Z	-6.286	-6.286	0	%100
13	M12	X	14.706	14.706	0	%100
14	M12	Z	-8.491	-8.491	0	%100
15	M13	X	4.993	4.993	0	%100
16	M13	Z	-2.883	-2.883	0	%100
17	M15	X	5.259	5.259	0	%100
18	M15	Z	-3.036	-3.036	0	%100
19	M17	X	14.706	14.706	0	%100
20	M17	Z	-8.491	-8.491	0	%100
21	M18	X	19.971	19.971	0	%100
22	M18	Z	-11.53	-11.53	0	%100
23	M20	X	21.035	21.035	0	%100
24	M20	Z	-12.145	-12.145	0	%100
25	M25	X	8.713	8.713	0	%100
26	M25	Z	-5.031	-5.031	0	%100
27	M26	X	2.235	2.235	0	%100
28	M26	Z	-1.291	-1.291	0	%100
29	M27	X	2.235	2.235	0	%100
30	M27	Z	-1.291	-1.291	0	%100
31	M28	X	4.902	4.902	0	%100
32	M28	Z	-2.83	-2.83	0	%100
33	M31	X	10.888	10.888	0	%100
34	M31	Z	-6.286	-6.286	0	%100
35	M32	X	2.722	2.722	0	%100
36	M32	Z	-1.572	-1.572	0	%100
37	M36	X	14.706	14.706	0	%100
38	M36	Z	-8.491	-8.491	0	%100
39	M37	X	19.971	19.971	0	%100
40	M37	Z	-11.53	-11.53	0	%100
41	M39	X	21.035	21.035	0	%100
42	M39	Z	-12.145	-12.145	0	%100
43	M41	X	14.706	14.706	0	%100
44	M41	Z	-8.491	-8.491	0	%100
45	M42	X	4.993	4.993	0	%100
46	M42	Z	-2.883	-2.883	0	%100
47	M44	X	5.259	5.259	0	%100
48	M44	Z	-3.036	-3.036	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	8.942	8.942	0	%100
52	M50	Z	-5.163	-5.163	0	%100
53	M51	X	8.942	8.942	0	%100
54	M51	Z	-5.163	-5.163	0	%100
55	M52	X	19.608	19.608	0	%100
56	M52	Z	-11.321	-11.321	0	%100
57	M55	X	2.722	2.722	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,%]
58	M55	Z	-1.572	-1.572	0	%100
59	M56	X	2.722	2.722	0	%100
60	M56	Z	-1.572	-1.572	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	4.993	4.993	0	%100
64	M61	Z	-2.883	-2.883	0	%100
65	M63	X	5.259	5.259	0	%100
66	M63	Z	-3.036	-3.036	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	4.993	4.993	0	%100
70	M66	Z	-2.883	-2.883	0	%100
71	M68	X	5.259	5.259	0	%100
72	M68	Z	-3.036	-3.036	0	%100
73	M73	X	2.86	2.86	0	%100
74	M73	Z	-1.651	-1.651	0	%100
75	M74	X	11.438	11.438	0	%100
76	M74	Z	-6.604	-6.604	0	%100
77	M75	X	2.86	2.86	0	%100
78	M75	Z	-1.651	-1.651	0	%100
79	MP1A	X	7.762	7.762	0	%100
80	MP1A	Z	-4.481	-4.481	0	%100
81	MP2A	X	7.762	7.762	0	%100
82	MP2A	Z	-4.481	-4.481	0	%100
83	MP3A	X	7.762	7.762	0	%100
84	MP3A	Z	-4.481	-4.481	0	%100
85	MP4A	X	7.762	7.762	0	%100
86	MP4A	Z	-4.481	-4.481	0	%100
87	MP1C	X	7.762	7.762	0	%100
88	MP1C	Z	-4.481	-4.481	0	%100
89	MP2C	X	7.762	7.762	0	%100
90	MP2C	Z	-4.481	-4.481	0	%100
91	MP1B	X	7.762	7.762	0	%100
92	MP1B	Z	-4.481	-4.481	0	%100
93	MP2B	X	7.762	7.762	0	%100
94	MP2B	Z	-4.481	-4.481	0	%100
95	OVP	X	7.073	7.073	0	%100
96	OVP	Z	-4.084	-4.084	0	%100
97	M102	X	2.349	2.349	0	%100
98	M102	Z	-1.356	-1.356	0	%100
99	M103	X	9.396	9.396	0	%100
100	M103	Z	-5.425	-5.425	0	%100
101	M104	X	2.349	2.349	0	%100
102	M104	Z	-1.356	-1.356	0	%100
103	M123	X	11.654	11.654	0	%100
104	M123	Z	-6.728	-6.728	0	%100
105	M124	X	3.631	3.631	0	%100
106	M124	Z	-2.096	-2.096	0	%100
107	M125	X	2.275	2.275	0	%100
108	M125	Z	-1.313	-1.313	0	%100
109	M126	X	13.548	13.548	0	%100
110	M126	Z	-7.822	-7.822	0	%100
111	M127	X	9.253	9.253	0	%100
112	M127	Z	-5.342	-5.342	0	%100
113	M128	X	13.547	13.547	0	%100
114	M128	Z	-7.821	-7.821	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,%]
115	MP3C	X	7.762	7.762	0	%100
116	MP3C	Z	-4.481	-4.481	0	%100
117	MP4C	X	7.762	7.762	0	%100
118	MP4C	Z	-4.481	-4.481	0	%100
119	MP3B	X	7.762	7.762	0	%100
120	MP3B	Z	-4.481	-4.481	0	%100
121	MP4B	X	7.762	7.762	0	%100
122	MP4B	Z	-4.481	-4.481	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	3.354	3.354	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	7.744	7.744	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	7.744	7.744	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	16.981	16.981	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M8	X	9.429	9.429	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	5.66	5.66	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	5.66	5.66	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	17.296	17.296	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	18.217	18.217	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	13.415	13.415	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	9.429	9.429	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	9.429	9.429	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	22.642	22.642	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	17.296	17.296	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	18.217	18.217	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	22.642	22.642	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	17.296	17.296	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,%]
46	M42	Z	0	0	0	%100
47	M44	X	18.217	18.217	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	3.354	3.354	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	7.744	7.744	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	7.744	7.744	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	16.981	16.981	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	9.429	9.429	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	5.66	5.66	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	17.296	17.296	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	18.217	18.217	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	5.66	5.66	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	9.906	9.906	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	9.906	9.906	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	8.962	8.962	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	8.962	8.962	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	8.962	8.962	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	8.962	8.962	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	8.962	8.962	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	8.962	8.962	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1B	X	8.962	8.962	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	8.962	8.962	0	%100
94	MP2B	Z	0	0	0	%100
95	OVP	X	8.167	8.167	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M103	X	8.137	8.137	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	8.137	8.137	0	%100
102	M104	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,%]
103	M123	X	9.325	9.325	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	10.891	10.891	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	.061	.061	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	17.401	17.401	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	12.337	12.337	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	12.337	12.337	0	%100
114	M128	Z	0	0	0	%100
115	MP3C	X	8.962	8.962	0	%100
116	MP3C	Z	0	0	0	%100
117	MP4C	X	8.962	8.962	0	%100
118	MP4C	Z	0	0	0	%100
119	MP3B	X	8.962	8.962	0	%100
120	MP3B	Z	0	0	0	%100
121	MP4B	X	8.962	8.962	0	%100
122	MP4B	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	8.942	8.942	0	%100
4	M2	Z	5.163	5.163	0	%100
5	M3	X	8.942	8.942	0	%100
6	M3	Z	5.163	5.163	0	%100
7	M4	X	19.608	19.608	0	%100
8	M4	Z	11.321	11.321	0	%100
9	M7	X	2.722	2.722	0	%100
10	M7	Z	1.572	1.572	0	%100
11	M8	X	2.722	2.722	0	%100
12	M8	Z	1.572	1.572	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	4.993	4.993	0	%100
16	M13	Z	2.883	2.883	0	%100
17	M15	X	5.259	5.259	0	%100
18	M15	Z	3.036	3.036	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	4.993	4.993	0	%100
22	M18	Z	2.883	2.883	0	%100
23	M20	X	5.259	5.259	0	%100
24	M20	Z	3.036	3.036	0	%100
25	M25	X	8.713	8.713	0	%100
26	M25	Z	5.031	5.031	0	%100
27	M26	X	2.235	2.235	0	%100
28	M26	Z	1.291	1.291	0	%100
29	M27	X	2.235	2.235	0	%100
30	M27	Z	1.291	1.291	0	%100
31	M28	X	4.902	4.902	0	%100
32	M28	Z	2.83	2.83	0	%100
33	M31	X	2.722	2.722	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,%]
34	M31	Z	1.572	1.572	0	%100
35	M32	X	10.888	10.888	0	%100
36	M32	Z	6.286	6.286	0	%100
37	M36	X	14.706	14.706	0	%100
38	M36	Z	8.491	8.491	0	%100
39	M37	X	4.993	4.993	0	%100
40	M37	Z	2.883	2.883	0	%100
41	M39	X	5.259	5.259	0	%100
42	M39	Z	3.036	3.036	0	%100
43	M41	X	14.706	14.706	0	%100
44	M41	Z	8.491	8.491	0	%100
45	M42	X	19.971	19.971	0	%100
46	M42	Z	11.53	11.53	0	%100
47	M44	X	21.035	21.035	0	%100
48	M44	Z	12.145	12.145	0	%100
49	M49	X	8.713	8.713	0	%100
50	M49	Z	5.031	5.031	0	%100
51	M50	X	2.235	2.235	0	%100
52	M50	Z	1.291	1.291	0	%100
53	M51	X	2.235	2.235	0	%100
54	M51	Z	1.291	1.291	0	%100
55	M52	X	4.902	4.902	0	%100
56	M52	Z	2.83	2.83	0	%100
57	M55	X	10.888	10.888	0	%100
58	M55	Z	6.286	6.286	0	%100
59	M56	X	2.722	2.722	0	%100
60	M56	Z	1.572	1.572	0	%100
61	M60	X	14.706	14.706	0	%100
62	M60	Z	8.491	8.491	0	%100
63	M61	X	19.971	19.971	0	%100
64	M61	Z	11.53	11.53	0	%100
65	M63	X	21.035	21.035	0	%100
66	M63	Z	12.145	12.145	0	%100
67	M65	X	14.706	14.706	0	%100
68	M65	Z	8.491	8.491	0	%100
69	M66	X	4.993	4.993	0	%100
70	M66	Z	2.883	2.883	0	%100
71	M68	X	5.259	5.259	0	%100
72	M68	Z	3.036	3.036	0	%100
73	M73	X	2.86	2.86	0	%100
74	M73	Z	1.651	1.651	0	%100
75	M74	X	2.86	2.86	0	%100
76	M74	Z	1.651	1.651	0	%100
77	M75	X	11.438	11.438	0	%100
78	M75	Z	6.604	6.604	0	%100
79	MP1A	X	7.762	7.762	0	%100
80	MP1A	Z	4.481	4.481	0	%100
81	MP2A	X	7.762	7.762	0	%100
82	MP2A	Z	4.481	4.481	0	%100
83	MP3A	X	7.762	7.762	0	%100
84	MP3A	Z	4.481	4.481	0	%100
85	MP4A	X	7.762	7.762	0	%100
86	MP4A	Z	4.481	4.481	0	%100
87	MP1C	X	7.762	7.762	0	%100
88	MP1C	Z	4.481	4.481	0	%100
89	MP2C	X	7.762	7.762	0	%100
90	MP2C	Z	4.481	4.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP1B	X	7.762	7.762	0	%100
92	MP1B	Z	4.481	4.481	0	%100
93	MP2B	X	7.762	7.762	0	%100
94	MP2B	Z	4.481	4.481	0	%100
95	OVP	X	7.073	7.073	0	%100
96	OVP	Z	4.084	4.084	0	%100
97	M102	X	2.349	2.349	0	%100
98	M102	Z	1.356	1.356	0	%100
99	M103	X	2.349	2.349	0	%100
100	M103	Z	1.356	1.356	0	%100
101	M104	X	9.396	9.396	0	%100
102	M104	Z	5.425	5.425	0	%100
103	M123	X	2.275	2.275	0	%100
104	M123	Z	1.313	1.313	0	%100
105	M124	X	11.654	11.654	0	%100
106	M124	Z	6.728	6.728	0	%100
107	M125	X	3.631	3.631	0	%100
108	M125	Z	2.096	2.096	0	%100
109	M126	X	13.548	13.548	0	%100
110	M126	Z	7.822	7.822	0	%100
111	M127	X	13.547	13.547	0	%100
112	M127	Z	7.821	7.821	0	%100
113	M128	X	9.253	9.253	0	%100
114	M128	Z	5.342	5.342	0	%100
115	MP3C	X	7.762	7.762	0	%100
116	MP3C	Z	4.481	4.481	0	%100
117	MP4C	X	7.762	7.762	0	%100
118	MP4C	Z	4.481	4.481	0	%100
119	MP3B	X	7.762	7.762	0	%100
120	MP3B	Z	4.481	4.481	0	%100
121	MP4B	X	7.762	7.762	0	%100
122	MP4B	Z	4.481	4.481	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	1.677	1.677	0	%100
2	M1	Z	2.904	2.904	0	%100
3	M2	X	3.872	3.872	0	%100
4	M2	Z	6.706	6.706	0	%100
5	M3	X	3.872	3.872	0	%100
6	M3	Z	6.706	6.706	0	%100
7	M4	X	8.491	8.491	0	%100
8	M4	Z	14.706	14.706	0	%100
9	M7	X	4.715	4.715	0	%100
10	M7	Z	8.166	8.166	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	2.83	2.83	0	%100
14	M12	Z	4.902	4.902	0	%100
15	M13	X	8.648	8.648	0	%100
16	M13	Z	14.979	14.979	0	%100
17	M15	X	9.109	9.109	0	%100
18	M15	Z	15.777	15.777	0	%100
19	M17	X	2.83	2.83	0	%100
20	M17	Z	4.902	4.902	0	%100
21	M18	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	1.677	1.677	0	%100
26	M25	Z	2.904	2.904	0	%100
27	M26	X	3.872	3.872	0	%100
28	M26	Z	6.706	6.706	0	%100
29	M27	X	3.872	3.872	0	%100
30	M27	Z	6.706	6.706	0	%100
31	M28	X	8.491	8.491	0	%100
32	M28	Z	14.706	14.706	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	4.715	4.715	0	%100
36	M32	Z	8.166	8.166	0	%100
37	M36	X	2.83	2.83	0	%100
38	M36	Z	4.902	4.902	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	2.83	2.83	0	%100
44	M41	Z	4.902	4.902	0	%100
45	M42	X	8.648	8.648	0	%100
46	M42	Z	14.979	14.979	0	%100
47	M44	X	9.109	9.109	0	%100
48	M44	Z	15.777	15.777	0	%100
49	M49	X	6.708	6.708	0	%100
50	M49	Z	11.618	11.618	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	4.715	4.715	0	%100
58	M55	Z	8.166	8.166	0	%100
59	M56	X	4.715	4.715	0	%100
60	M56	Z	8.166	8.166	0	%100
61	M60	X	11.321	11.321	0	%100
62	M60	Z	19.608	19.608	0	%100
63	M61	X	8.648	8.648	0	%100
64	M61	Z	14.979	14.979	0	%100
65	M63	X	9.109	9.109	0	%100
66	M63	Z	15.777	15.777	0	%100
67	M65	X	11.321	11.321	0	%100
68	M65	Z	19.608	19.608	0	%100
69	M66	X	8.648	8.648	0	%100
70	M66	Z	14.979	14.979	0	%100
71	M68	X	9.109	9.109	0	%100
72	M68	Z	15.777	15.777	0	%100
73	M73	X	4.953	4.953	0	%100
74	M73	Z	8.579	8.579	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	4.953	4.953	0	%100
78	M75	Z	8.579	8.579	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,%]
79	MP1A	X	4.481	4.481	0	%100
80	MP1A	Z	7.762	7.762	0	%100
81	MP2A	X	4.481	4.481	0	%100
82	MP2A	Z	7.762	7.762	0	%100
83	MP3A	X	4.481	4.481	0	%100
84	MP3A	Z	7.762	7.762	0	%100
85	MP4A	X	4.481	4.481	0	%100
86	MP4A	Z	7.762	7.762	0	%100
87	MP1C	X	4.481	4.481	0	%100
88	MP1C	Z	7.762	7.762	0	%100
89	MP2C	X	4.481	4.481	0	%100
90	MP2C	Z	7.762	7.762	0	%100
91	MP1B	X	4.481	4.481	0	%100
92	MP1B	Z	7.762	7.762	0	%100
93	MP2B	X	4.481	4.481	0	%100
94	MP2B	Z	7.762	7.762	0	%100
95	OVP	X	4.084	4.084	0	%100
96	OVP	Z	7.073	7.073	0	%100
97	M102	X	4.068	4.068	0	%100
98	M102	Z	7.047	7.047	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	4.068	4.068	0	%100
102	M104	Z	7.047	7.047	0	%100
103	M123	X	.03	.03	0	%100
104	M123	Z	.053	.053	0	%100
105	M124	X	4.662	4.662	0	%100
106	M124	Z	8.075	8.075	0	%100
107	M125	X	5.445	5.445	0	%100
108	M125	Z	9.432	9.432	0	%100
109	M126	X	6.065	6.065	0	%100
110	M126	Z	10.504	10.504	0	%100
111	M127	X	8.648	8.648	0	%100
112	M127	Z	14.979	14.979	0	%100
113	M128	X	6.168	6.168	0	%100
114	M128	Z	10.684	10.684	0	%100
115	MP3C	X	4.481	4.481	0	%100
116	MP3C	Z	7.762	7.762	0	%100
117	MP4C	X	4.481	4.481	0	%100
118	MP4C	Z	7.762	7.762	0	%100
119	MP3B	X	4.481	4.481	0	%100
120	MP3B	Z	7.762	7.762	0	%100
121	MP4B	X	4.481	4.481	0	%100
122	MP4B	Z	7.762	7.762	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	10.061	10.061	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.581	2.581	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	2.581	2.581	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	5.66	5.66	0	%100
9	M7	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,%]
10	M7	Z	12.573	12.573	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	3.143	3.143	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	16.981	16.981	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	23.061	23.061	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	24.29	24.29	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	16.981	16.981	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	5.765	5.765	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	6.072	6.072	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	10.325	10.325	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	10.325	10.325	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	22.642	22.642	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	3.143	3.143	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	3.143	3.143	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	5.765	5.765	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	6.072	6.072	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	5.765	5.765	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	6.072	6.072	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	10.061	10.061	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	2.581	2.581	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	2.581	2.581	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	5.66	5.66	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	3.143	3.143	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	12.573	12.573	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	16.981	16.981	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	5.765	5.765	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	6.072	6.072	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,%]
67	M65	X	0	0	0	%100
68	M65	Z	16.981	16.981	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	23.061	23.061	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	24.29	24.29	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	13.208	13.208	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	3.302	3.302	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	3.302	3.302	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	8.962	8.962	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	8.962	8.962	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	8.962	8.962	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	8.962	8.962	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	8.962	8.962	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	8.962	8.962	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	8.962	8.962	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	8.962	8.962	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	8.167	8.167	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	10.849	10.849	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	2.712	2.712	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	2.712	2.712	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	4.193	4.193	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	2.627	2.627	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	13.457	13.457	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	10.372	10.372	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	15.643	15.643	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	15.643	15.643	0	%100
115	MP3C	X	0	0	0	%100
116	MP3C	Z	8.962	8.962	0	%100
117	MP4C	X	0	0	0	%100
118	MP4C	Z	8.962	8.962	0	%100
119	MP3B	X	0	0	0	%100
120	MP3B	Z	8.962	8.962	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	8.962	8.962	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	-6.708	-6.708	0	%100
2	M1	Z	11.618	11.618	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	-4.715	-4.715	0	%100
10	M7	Z	8.166	8.166	0	%100
11	M8	X	-4.715	-4.715	0	%100
12	M8	Z	8.166	8.166	0	%100
13	M12	X	-11.321	-11.321	0	%100
14	M12	Z	19.608	19.608	0	%100
15	M13	X	-8.648	-8.648	0	%100
16	M13	Z	14.979	14.979	0	%100
17	M15	X	-9.109	-9.109	0	%100
18	M15	Z	15.777	15.777	0	%100
19	M17	X	-11.321	-11.321	0	%100
20	M17	Z	19.608	19.608	0	%100
21	M18	X	-8.648	-8.648	0	%100
22	M18	Z	14.979	14.979	0	%100
23	M20	X	-9.109	-9.109	0	%100
24	M20	Z	15.777	15.777	0	%100
25	M25	X	-1.677	-1.677	0	%100
26	M25	Z	2.904	2.904	0	%100
27	M26	X	-3.872	-3.872	0	%100
28	M26	Z	6.706	6.706	0	%100
29	M27	X	-3.872	-3.872	0	%100
30	M27	Z	6.706	6.706	0	%100
31	M28	X	-8.491	-8.491	0	%100
32	M28	Z	14.706	14.706	0	%100
33	M31	X	-4.715	-4.715	0	%100
34	M31	Z	8.166	8.166	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-2.83	-2.83	0	%100
38	M36	Z	4.902	4.902	0	%100
39	M37	X	-8.648	-8.648	0	%100
40	M37	Z	14.979	14.979	0	%100
41	M39	X	-9.109	-9.109	0	%100
42	M39	Z	15.777	15.777	0	%100
43	M41	X	-2.83	-2.83	0	%100
44	M41	Z	4.902	4.902	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-1.677	-1.677	0	%100
50	M49	Z	2.904	2.904	0	%100
51	M50	X	-3.872	-3.872	0	%100
52	M50	Z	6.706	6.706	0	%100
53	M51	X	-3.872	-3.872	0	%100
54	M51	Z	6.706	6.706	0	%100
55	M52	X	-8.491	-8.491	0	%100
56	M52	Z	14.706	14.706	0	%100
57	M55	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,%]
58	M55	Z	0	0	0	%100
59	M56	X	-4.715	-4.715	0	%100
60	M56	Z	8.166	8.166	0	%100
61	M60	X	-2.83	-2.83	0	%100
62	M60	Z	4.902	4.902	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-2.83	-2.83	0	%100
68	M65	Z	4.902	4.902	0	%100
69	M66	X	-8.648	-8.648	0	%100
70	M66	Z	14.979	14.979	0	%100
71	M68	X	-9.109	-9.109	0	%100
72	M68	Z	15.777	15.777	0	%100
73	M73	X	-4.953	-4.953	0	%100
74	M73	Z	8.579	8.579	0	%100
75	M74	X	-4.953	-4.953	0	%100
76	M74	Z	8.579	8.579	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-4.481	-4.481	0	%100
80	MP1A	Z	7.762	7.762	0	%100
81	MP2A	X	-4.481	-4.481	0	%100
82	MP2A	Z	7.762	7.762	0	%100
83	MP3A	X	-4.481	-4.481	0	%100
84	MP3A	Z	7.762	7.762	0	%100
85	MP4A	X	-4.481	-4.481	0	%100
86	MP4A	Z	7.762	7.762	0	%100
87	MP1C	X	-4.481	-4.481	0	%100
88	MP1C	Z	7.762	7.762	0	%100
89	MP2C	X	-4.481	-4.481	0	%100
90	MP2C	Z	7.762	7.762	0	%100
91	MP1B	X	-4.481	-4.481	0	%100
92	MP1B	Z	7.762	7.762	0	%100
93	MP2B	X	-4.481	-4.481	0	%100
94	MP2B	Z	7.762	7.762	0	%100
95	OVP	X	-4.084	-4.084	0	%100
96	OVP	Z	7.073	7.073	0	%100
97	M102	X	-4.068	-4.068	0	%100
98	M102	Z	7.047	7.047	0	%100
99	M103	X	-4.068	-4.068	0	%100
100	M103	Z	7.047	7.047	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	-5.445	-5.445	0	%100
104	M123	Z	9.432	9.432	0	%100
105	M124	X	-.03	-.03	0	%100
106	M124	Z	.053	.053	0	%100
107	M125	X	-4.662	-4.662	0	%100
108	M125	Z	8.075	8.075	0	%100
109	M126	X	-6.065	-6.065	0	%100
110	M126	Z	10.504	10.504	0	%100
111	M127	X	-6.168	-6.168	0	%100
112	M127	Z	10.684	10.684	0	%100
113	M128	X	-8.648	-8.648	0	%100
114	M128	Z	14.979	14.979	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,%]
115	MP3C	X	-4.481	-4.481	0	%100
116	MP3C	Z	7.762	7.762	0	%100
117	MP4C	X	-4.481	-4.481	0	%100
118	MP4C	Z	7.762	7.762	0	%100
119	MP3B	X	-4.481	-4.481	0	%100
120	MP3B	Z	7.762	7.762	0	%100
121	MP4B	X	-4.481	-4.481	0	%100
122	MP4B	Z	7.762	7.762	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	-8.713	-8.713	0	%100
2	M1	Z	5.031	5.031	0	%100
3	M2	X	-2.235	-2.235	0	%100
4	M2	Z	1.291	1.291	0	%100
5	M3	X	-2.235	-2.235	0	%100
6	M3	Z	1.291	1.291	0	%100
7	M4	X	-4.902	-4.902	0	%100
8	M4	Z	2.83	2.83	0	%100
9	M7	X	-2.722	-2.722	0	%100
10	M7	Z	1.572	1.572	0	%100
11	M8	X	-10.888	-10.888	0	%100
12	M8	Z	6.286	6.286	0	%100
13	M12	X	-14.706	-14.706	0	%100
14	M12	Z	8.491	8.491	0	%100
15	M13	X	-4.993	-4.993	0	%100
16	M13	Z	2.883	2.883	0	%100
17	M15	X	-5.259	-5.259	0	%100
18	M15	Z	3.036	3.036	0	%100
19	M17	X	-14.706	-14.706	0	%100
20	M17	Z	8.491	8.491	0	%100
21	M18	X	-19.971	-19.971	0	%100
22	M18	Z	11.53	11.53	0	%100
23	M20	X	-21.035	-21.035	0	%100
24	M20	Z	12.145	12.145	0	%100
25	M25	X	-8.713	-8.713	0	%100
26	M25	Z	5.031	5.031	0	%100
27	M26	X	-2.235	-2.235	0	%100
28	M26	Z	1.291	1.291	0	%100
29	M27	X	-2.235	-2.235	0	%100
30	M27	Z	1.291	1.291	0	%100
31	M28	X	-4.902	-4.902	0	%100
32	M28	Z	2.83	2.83	0	%100
33	M31	X	-10.888	-10.888	0	%100
34	M31	Z	6.286	6.286	0	%100
35	M32	X	-2.722	-2.722	0	%100
36	M32	Z	1.572	1.572	0	%100
37	M36	X	-14.706	-14.706	0	%100
38	M36	Z	8.491	8.491	0	%100
39	M37	X	-19.971	-19.971	0	%100
40	M37	Z	11.53	11.53	0	%100
41	M39	X	-21.035	-21.035	0	%100
42	M39	Z	12.145	12.145	0	%100
43	M41	X	-14.706	-14.706	0	%100
44	M41	Z	8.491	8.491	0	%100
45	M42	X	-4.993	-4.993	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,%]
46	M42	Z	2.883	2.883	0	%100
47	M44	X	-5.259	-5.259	0	%100
48	M44	Z	3.036	3.036	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-8.942	-8.942	0	%100
52	M50	Z	5.163	5.163	0	%100
53	M51	X	-8.942	-8.942	0	%100
54	M51	Z	5.163	5.163	0	%100
55	M52	X	-19.608	-19.608	0	%100
56	M52	Z	11.321	11.321	0	%100
57	M55	X	-2.722	-2.722	0	%100
58	M55	Z	1.572	1.572	0	%100
59	M56	X	-2.722	-2.722	0	%100
60	M56	Z	1.572	1.572	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-4.993	-4.993	0	%100
64	M61	Z	2.883	2.883	0	%100
65	M63	X	-5.259	-5.259	0	%100
66	M63	Z	3.036	3.036	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-4.993	-4.993	0	%100
70	M66	Z	2.883	2.883	0	%100
71	M68	X	-5.259	-5.259	0	%100
72	M68	Z	3.036	3.036	0	%100
73	M73	X	-2.86	-2.86	0	%100
74	M73	Z	1.651	1.651	0	%100
75	M74	X	-11.438	-11.438	0	%100
76	M74	Z	6.604	6.604	0	%100
77	M75	X	-2.86	-2.86	0	%100
78	M75	Z	1.651	1.651	0	%100
79	MP1A	X	-7.762	-7.762	0	%100
80	MP1A	Z	4.481	4.481	0	%100
81	MP2A	X	-7.762	-7.762	0	%100
82	MP2A	Z	4.481	4.481	0	%100
83	MP3A	X	-7.762	-7.762	0	%100
84	MP3A	Z	4.481	4.481	0	%100
85	MP4A	X	-7.762	-7.762	0	%100
86	MP4A	Z	4.481	4.481	0	%100
87	MP1C	X	-7.762	-7.762	0	%100
88	MP1C	Z	4.481	4.481	0	%100
89	MP2C	X	-7.762	-7.762	0	%100
90	MP2C	Z	4.481	4.481	0	%100
91	MP1B	X	-7.762	-7.762	0	%100
92	MP1B	Z	4.481	4.481	0	%100
93	MP2B	X	-7.762	-7.762	0	%100
94	MP2B	Z	4.481	4.481	0	%100
95	OVP	X	-7.073	-7.073	0	%100
96	OVP	Z	4.084	4.084	0	%100
97	M102	X	-2.349	-2.349	0	%100
98	M102	Z	1.356	1.356	0	%100
99	M103	X	-9.396	-9.396	0	%100
100	M103	Z	5.425	5.425	0	%100
101	M104	X	-2.349	-2.349	0	%100
102	M104	Z	1.356	1.356	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,%]
103	M123	X	-11.654	-11.654	0	%100
104	M123	Z	6.728	6.728	0	%100
105	M124	X	-3.631	-3.631	0	%100
106	M124	Z	2.096	2.096	0	%100
107	M125	X	-2.275	-2.275	0	%100
108	M125	Z	1.313	1.313	0	%100
109	M126	X	-13.548	-13.548	0	%100
110	M126	Z	7.822	7.822	0	%100
111	M127	X	-9.253	-9.253	0	%100
112	M127	Z	5.342	5.342	0	%100
113	M128	X	-13.547	-13.547	0	%100
114	M128	Z	7.821	7.821	0	%100
115	MP3C	X	-7.762	-7.762	0	%100
116	MP3C	Z	4.481	4.481	0	%100
117	MP4C	X	-7.762	-7.762	0	%100
118	MP4C	Z	4.481	4.481	0	%100
119	MP3B	X	-7.762	-7.762	0	%100
120	MP3B	Z	4.481	4.481	0	%100
121	MP4B	X	-7.762	-7.762	0	%100
122	MP4B	Z	4.481	4.481	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	-3.354	-3.354	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-7.744	-7.744	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-7.744	-7.744	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-16.981	-16.981	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M8	X	-9.429	-9.429	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	-5.66	-5.66	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	-5.66	-5.66	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	-17.296	-17.296	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	-18.217	-18.217	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	-13.415	-13.415	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-9.429	-9.429	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,%]
34	M31	Z	0	0	0	%100
35	M32	X	-9.429	-9.429	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-22.642	-22.642	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-17.296	-17.296	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-18.217	-18.217	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-22.642	-22.642	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-17.296	-17.296	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	-18.217	-18.217	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-3.354	-3.354	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-7.744	-7.744	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	-7.744	-7.744	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	-16.981	-16.981	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-9.429	-9.429	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-5.66	-5.66	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-17.296	-17.296	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	-18.217	-18.217	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-5.66	-5.66	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-9.906	-9.906	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-9.906	-9.906	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-8.962	-8.962	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-8.962	-8.962	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-8.962	-8.962	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-8.962	-8.962	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-8.962	-8.962	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-8.962	-8.962	0	%100
90	MP2C	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,%]
91	MP1B	X	-8.962	-8.962	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	-8.962	-8.962	0	%100
94	MP2B	Z	0	0	0	%100
95	OVP	X	-8.167	-8.167	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M103	X	-8.137	-8.137	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-8.137	-8.137	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	-9.325	-9.325	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-10.891	-10.891	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-.061	-.061	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-17.401	-17.401	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	-12.337	-12.337	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	-12.337	-12.337	0	%100
114	M128	Z	0	0	0	%100
115	MP3C	X	-8.962	-8.962	0	%100
116	MP3C	Z	0	0	0	%100
117	MP4C	X	-8.962	-8.962	0	%100
118	MP4C	Z	0	0	0	%100
119	MP3B	X	-8.962	-8.962	0	%100
120	MP3B	Z	0	0	0	%100
121	MP4B	X	-8.962	-8.962	0	%100
122	MP4B	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-8.942	-8.942	0	%100
4	M2	Z	-5.163	-5.163	0	%100
5	M3	X	-8.942	-8.942	0	%100
6	M3	Z	-5.163	-5.163	0	%100
7	M4	X	-19.608	-19.608	0	%100
8	M4	Z	-11.321	-11.321	0	%100
9	M7	X	-2.722	-2.722	0	%100
10	M7	Z	-1.572	-1.572	0	%100
11	M8	X	-2.722	-2.722	0	%100
12	M8	Z	-1.572	-1.572	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	-4.993	-4.993	0	%100
16	M13	Z	-2.883	-2.883	0	%100
17	M15	X	-5.259	-5.259	0	%100
18	M15	Z	-3.036	-3.036	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	-4.993	-4.993	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,%]
22	M18	Z	-2.883	-2.883	0	%100
23	M20	X	-5.259	-5.259	0	%100
24	M20	Z	-3.036	-3.036	0	%100
25	M25	X	-8.713	-8.713	0	%100
26	M25	Z	-5.031	-5.031	0	%100
27	M26	X	-2.235	-2.235	0	%100
28	M26	Z	-1.291	-1.291	0	%100
29	M27	X	-2.235	-2.235	0	%100
30	M27	Z	-1.291	-1.291	0	%100
31	M28	X	-4.902	-4.902	0	%100
32	M28	Z	-2.83	-2.83	0	%100
33	M31	X	-2.722	-2.722	0	%100
34	M31	Z	-1.572	-1.572	0	%100
35	M32	X	-10.888	-10.888	0	%100
36	M32	Z	-6.286	-6.286	0	%100
37	M36	X	-14.706	-14.706	0	%100
38	M36	Z	-8.491	-8.491	0	%100
39	M37	X	-4.993	-4.993	0	%100
40	M37	Z	-2.883	-2.883	0	%100
41	M39	X	-5.259	-5.259	0	%100
42	M39	Z	-3.036	-3.036	0	%100
43	M41	X	-14.706	-14.706	0	%100
44	M41	Z	-8.491	-8.491	0	%100
45	M42	X	-19.971	-19.971	0	%100
46	M42	Z	-11.53	-11.53	0	%100
47	M44	X	-21.035	-21.035	0	%100
48	M44	Z	-12.145	-12.145	0	%100
49	M49	X	-8.713	-8.713	0	%100
50	M49	Z	-5.031	-5.031	0	%100
51	M50	X	-2.235	-2.235	0	%100
52	M50	Z	-1.291	-1.291	0	%100
53	M51	X	-2.235	-2.235	0	%100
54	M51	Z	-1.291	-1.291	0	%100
55	M52	X	-4.902	-4.902	0	%100
56	M52	Z	-2.83	-2.83	0	%100
57	M55	X	-10.888	-10.888	0	%100
58	M55	Z	-6.286	-6.286	0	%100
59	M56	X	-2.722	-2.722	0	%100
60	M56	Z	-1.572	-1.572	0	%100
61	M60	X	-14.706	-14.706	0	%100
62	M60	Z	-8.491	-8.491	0	%100
63	M61	X	-19.971	-19.971	0	%100
64	M61	Z	-11.53	-11.53	0	%100
65	M63	X	-21.035	-21.035	0	%100
66	M63	Z	-12.145	-12.145	0	%100
67	M65	X	-14.706	-14.706	0	%100
68	M65	Z	-8.491	-8.491	0	%100
69	M66	X	-4.993	-4.993	0	%100
70	M66	Z	-2.883	-2.883	0	%100
71	M68	X	-5.259	-5.259	0	%100
72	M68	Z	-3.036	-3.036	0	%100
73	M73	X	-2.86	-2.86	0	%100
74	M73	Z	-1.651	-1.651	0	%100
75	M74	X	-2.86	-2.86	0	%100
76	M74	Z	-1.651	-1.651	0	%100
77	M75	X	-11.438	-11.438	0	%100
78	M75	Z	-6.604	-6.604	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,%]
79	MP1A	X	-7.762	-7.762	0	%100
80	MP1A	Z	-4.481	-4.481	0	%100
81	MP2A	X	-7.762	-7.762	0	%100
82	MP2A	Z	-4.481	-4.481	0	%100
83	MP3A	X	-7.762	-7.762	0	%100
84	MP3A	Z	-4.481	-4.481	0	%100
85	MP4A	X	-7.762	-7.762	0	%100
86	MP4A	Z	-4.481	-4.481	0	%100
87	MP1C	X	-7.762	-7.762	0	%100
88	MP1C	Z	-4.481	-4.481	0	%100
89	MP2C	X	-7.762	-7.762	0	%100
90	MP2C	Z	-4.481	-4.481	0	%100
91	MP1B	X	-7.762	-7.762	0	%100
92	MP1B	Z	-4.481	-4.481	0	%100
93	MP2B	X	-7.762	-7.762	0	%100
94	MP2B	Z	-4.481	-4.481	0	%100
95	OVP	X	-7.073	-7.073	0	%100
96	OVP	Z	-4.084	-4.084	0	%100
97	M102	X	-2.349	-2.349	0	%100
98	M102	Z	-1.356	-1.356	0	%100
99	M103	X	-2.349	-2.349	0	%100
100	M103	Z	-1.356	-1.356	0	%100
101	M104	X	-9.396	-9.396	0	%100
102	M104	Z	-5.425	-5.425	0	%100
103	M123	X	-2.275	-2.275	0	%100
104	M123	Z	-1.313	-1.313	0	%100
105	M124	X	-11.654	-11.654	0	%100
106	M124	Z	-6.728	-6.728	0	%100
107	M125	X	-3.631	-3.631	0	%100
108	M125	Z	-2.096	-2.096	0	%100
109	M126	X	-13.548	-13.548	0	%100
110	M126	Z	-7.822	-7.822	0	%100
111	M127	X	-13.547	-13.547	0	%100
112	M127	Z	-7.821	-7.821	0	%100
113	M128	X	-9.253	-9.253	0	%100
114	M128	Z	-5.342	-5.342	0	%100
115	MP3C	X	-7.762	-7.762	0	%100
116	MP3C	Z	-4.481	-4.481	0	%100
117	MP4C	X	-7.762	-7.762	0	%100
118	MP4C	Z	-4.481	-4.481	0	%100
119	MP3B	X	-7.762	-7.762	0	%100
120	MP3B	Z	-4.481	-4.481	0	%100
121	MP4B	X	-7.762	-7.762	0	%100
122	MP4B	Z	-4.481	-4.481	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	-1.677	-1.677	0	%100
2	M1	Z	-2.904	-2.904	0	%100
3	M2	X	-3.872	-3.872	0	%100
4	M2	Z	-6.706	-6.706	0	%100
5	M3	X	-3.872	-3.872	0	%100
6	M3	Z	-6.706	-6.706	0	%100
7	M4	X	-8.491	-8.491	0	%100
8	M4	Z	-14.706	-14.706	0	%100
9	M7	X	-4.715	-4.715	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,%]
10	M7	Z	-8.166	-8.166	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	-2.83	-2.83	0	%100
14	M12	Z	-4.902	-4.902	0	%100
15	M13	X	-8.648	-8.648	0	%100
16	M13	Z	-14.979	-14.979	0	%100
17	M15	X	-9.109	-9.109	0	%100
18	M15	Z	-15.777	-15.777	0	%100
19	M17	X	-2.83	-2.83	0	%100
20	M17	Z	-4.902	-4.902	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	-1.677	-1.677	0	%100
26	M25	Z	-2.904	-2.904	0	%100
27	M26	X	-3.872	-3.872	0	%100
28	M26	Z	-6.706	-6.706	0	%100
29	M27	X	-3.872	-3.872	0	%100
30	M27	Z	-6.706	-6.706	0	%100
31	M28	X	-8.491	-8.491	0	%100
32	M28	Z	-14.706	-14.706	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-4.715	-4.715	0	%100
36	M32	Z	-8.166	-8.166	0	%100
37	M36	X	-2.83	-2.83	0	%100
38	M36	Z	-4.902	-4.902	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-2.83	-2.83	0	%100
44	M41	Z	-4.902	-4.902	0	%100
45	M42	X	-8.648	-8.648	0	%100
46	M42	Z	-14.979	-14.979	0	%100
47	M44	X	-9.109	-9.109	0	%100
48	M44	Z	-15.777	-15.777	0	%100
49	M49	X	-6.708	-6.708	0	%100
50	M49	Z	-11.618	-11.618	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-4.715	-4.715	0	%100
58	M55	Z	-8.166	-8.166	0	%100
59	M56	X	-4.715	-4.715	0	%100
60	M56	Z	-8.166	-8.166	0	%100
61	M60	X	-11.321	-11.321	0	%100
62	M60	Z	-19.608	-19.608	0	%100
63	M61	X	-8.648	-8.648	0	%100
64	M61	Z	-14.979	-14.979	0	%100
65	M63	X	-9.109	-9.109	0	%100
66	M63	Z	-15.777	-15.777	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,%]
67	M65	X	-11.321	-11.321	0	%100
68	M65	Z	-19.608	-19.608	0	%100
69	M66	X	-8.648	-8.648	0	%100
70	M66	Z	-14.979	-14.979	0	%100
71	M68	X	-9.109	-9.109	0	%100
72	M68	Z	-15.777	-15.777	0	%100
73	M73	X	-4.953	-4.953	0	%100
74	M73	Z	-8.579	-8.579	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-4.953	-4.953	0	%100
78	M75	Z	-8.579	-8.579	0	%100
79	MP1A	X	-4.481	-4.481	0	%100
80	MP1A	Z	-7.762	-7.762	0	%100
81	MP2A	X	-4.481	-4.481	0	%100
82	MP2A	Z	-7.762	-7.762	0	%100
83	MP3A	X	-4.481	-4.481	0	%100
84	MP3A	Z	-7.762	-7.762	0	%100
85	MP4A	X	-4.481	-4.481	0	%100
86	MP4A	Z	-7.762	-7.762	0	%100
87	MP1C	X	-4.481	-4.481	0	%100
88	MP1C	Z	-7.762	-7.762	0	%100
89	MP2C	X	-4.481	-4.481	0	%100
90	MP2C	Z	-7.762	-7.762	0	%100
91	MP1B	X	-4.481	-4.481	0	%100
92	MP1B	Z	-7.762	-7.762	0	%100
93	MP2B	X	-4.481	-4.481	0	%100
94	MP2B	Z	-7.762	-7.762	0	%100
95	OVP	X	-4.084	-4.084	0	%100
96	OVP	Z	-7.073	-7.073	0	%100
97	M102	X	-4.068	-4.068	0	%100
98	M102	Z	-7.047	-7.047	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-4.068	-4.068	0	%100
102	M104	Z	-7.047	-7.047	0	%100
103	M123	X	-.03	-.03	0	%100
104	M123	Z	-.053	-.053	0	%100
105	M124	X	-4.662	-4.662	0	%100
106	M124	Z	-8.075	-8.075	0	%100
107	M125	X	-5.445	-5.445	0	%100
108	M125	Z	-9.432	-9.432	0	%100
109	M126	X	-6.065	-6.065	0	%100
110	M126	Z	-10.504	-10.504	0	%100
111	M127	X	-8.648	-8.648	0	%100
112	M127	Z	-14.979	-14.979	0	%100
113	M128	X	-6.168	-6.168	0	%100
114	M128	Z	-10.684	-10.684	0	%100
115	MP3C	X	-4.481	-4.481	0	%100
116	MP3C	Z	-7.762	-7.762	0	%100
117	MP4C	X	-4.481	-4.481	0	%100
118	MP4C	Z	-7.762	-7.762	0	%100
119	MP3B	X	-4.481	-4.481	0	%100
120	MP3B	Z	-7.762	-7.762	0	%100
121	MP4B	X	-4.481	-4.481	0	%100
122	MP4B	Z	-7.762	-7.762	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	-2.879	-2.879	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.741	-.741	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.741	-.741	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-1.235	-1.235	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-3.625	-3.625	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-.906	-.906	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	-3.641	-3.641	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-4.929	-4.929	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-5.146	-5.146	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	-3.641	-3.641	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	-1.232	-1.232	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-1.286	-1.286	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-2.964	-2.964	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-2.964	-2.964	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-4.94	-4.94	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.906	-.906	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.906	-.906	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-1.232	-1.232	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.286	-1.286	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-1.232	-1.232	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-1.286	-1.286	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-2.879	-2.879	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	-.741	-.741	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	-.741	-.741	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	-1.235	-1.235	0	%100
57	M55	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,%]
58	M55	Z	-.906	-.906	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-3.625	-3.625	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-3.641	-3.641	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-1.232	-1.232	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-1.286	-1.286	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-3.641	-3.641	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-4.929	-4.929	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-5.146	-5.146	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-3.802	-3.802	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.951	-.951	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.951	-.951	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-3.053	-3.053	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-3.053	-3.053	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.053	-3.053	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-3.053	-3.053	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-3.053	-3.053	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.053	-3.053	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-3.053	-3.053	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-3.053	-3.053	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	-2.824	-2.824	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-3.386	-3.386	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	-.846	-.846	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-.846	-.846	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-1.077	-1.077	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-.675	-.675	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-3.456	-3.456	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-2.343	-2.343	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	-3.997	-3.997	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	-3.997	-3.997	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,%]
115	MP3C	X	0	0	0	%100
116	MP3C	Z	-3.053	-3.053	0	%100
117	MP4C	X	0	0	0	%100
118	MP4C	Z	-3.053	-3.053	0	%100
119	MP3B	X	0	0	0	%100
120	MP3B	Z	-3.053	-3.053	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	-3.053	-3.053	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	1.919	1.919	0	%100
2	M1	Z	-3.325	-3.325	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	1.36	1.36	0	%100
10	M7	Z	-2.355	-2.355	0	%100
11	M8	X	1.36	1.36	0	%100
12	M8	Z	-2.355	-2.355	0	%100
13	M12	X	2.428	2.428	0	%100
14	M12	Z	-4.205	-4.205	0	%100
15	M13	X	1.848	1.848	0	%100
16	M13	Z	-3.201	-3.201	0	%100
17	M15	X	1.93	1.93	0	%100
18	M15	Z	-3.342	-3.342	0	%100
19	M17	X	2.428	2.428	0	%100
20	M17	Z	-4.205	-4.205	0	%100
21	M18	X	1.848	1.848	0	%100
22	M18	Z	-3.201	-3.201	0	%100
23	M20	X	1.93	1.93	0	%100
24	M20	Z	-3.342	-3.342	0	%100
25	M25	X	.48	.48	0	%100
26	M25	Z	-.831	-.831	0	%100
27	M26	X	1.112	1.112	0	%100
28	M26	Z	-1.925	-1.925	0	%100
29	M27	X	1.112	1.112	0	%100
30	M27	Z	-1.925	-1.925	0	%100
31	M28	X	1.852	1.852	0	%100
32	M28	Z	-3.208	-3.208	0	%100
33	M31	X	1.36	1.36	0	%100
34	M31	Z	-2.355	-2.355	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.607	.607	0	%100
38	M36	Z	-1.051	-1.051	0	%100
39	M37	X	1.848	1.848	0	%100
40	M37	Z	-3.201	-3.201	0	%100
41	M39	X	1.93	1.93	0	%100
42	M39	Z	-3.342	-3.342	0	%100
43	M41	X	.607	.607	0	%100
44	M41	Z	-1.051	-1.051	0	%100
45	M42	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,%]
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.48	.48	0	%100
50	M49	Z	-.831	-.831	0	%100
51	M50	X	1.112	1.112	0	%100
52	M50	Z	-1.925	-1.925	0	%100
53	M51	X	1.112	1.112	0	%100
54	M51	Z	-1.925	-1.925	0	%100
55	M52	X	1.852	1.852	0	%100
56	M52	Z	-3.208	-3.208	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	1.36	1.36	0	%100
60	M56	Z	-2.355	-2.355	0	%100
61	M60	X	.607	.607	0	%100
62	M60	Z	-1.051	-1.051	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.607	.607	0	%100
68	M65	Z	-1.051	-1.051	0	%100
69	M66	X	1.848	1.848	0	%100
70	M66	Z	-3.201	-3.201	0	%100
71	M68	X	1.93	1.93	0	%100
72	M68	Z	-3.342	-3.342	0	%100
73	M73	X	1.426	1.426	0	%100
74	M73	Z	-2.47	-2.47	0	%100
75	M74	X	1.426	1.426	0	%100
76	M74	Z	-2.47	-2.47	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	1.526	1.526	0	%100
80	MP1A	Z	-2.644	-2.644	0	%100
81	MP2A	X	1.526	1.526	0	%100
82	MP2A	Z	-2.644	-2.644	0	%100
83	MP3A	X	1.526	1.526	0	%100
84	MP3A	Z	-2.644	-2.644	0	%100
85	MP4A	X	1.526	1.526	0	%100
86	MP4A	Z	-2.644	-2.644	0	%100
87	MP1C	X	1.526	1.526	0	%100
88	MP1C	Z	-2.644	-2.644	0	%100
89	MP2C	X	1.526	1.526	0	%100
90	MP2C	Z	-2.644	-2.644	0	%100
91	MP1B	X	1.526	1.526	0	%100
92	MP1B	Z	-2.644	-2.644	0	%100
93	MP2B	X	1.526	1.526	0	%100
94	MP2B	Z	-2.644	-2.644	0	%100
95	OVP	X	1.412	1.412	0	%100
96	OVP	Z	-2.445	-2.445	0	%100
97	M102	X	1.27	1.27	0	%100
98	M102	Z	-2.199	-2.199	0	%100
99	M103	X	1.27	1.27	0	%100
100	M103	Z	-2.199	-2.199	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	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,%]
103	M123	X	1.399	1.399	0	%100
104	M123	Z	-2.422	-2.422	0	%100
105	M124	X	.008	.008	0	%100
106	M124	Z	-.014	-.014	0	%100
107	M125	X	1.197	1.197	0	%100
108	M125	Z	-2.074	-2.074	0	%100
109	M126	X	1.446	1.446	0	%100
110	M126	Z	-2.505	-2.505	0	%100
111	M127	X	1.471	1.471	0	%100
112	M127	Z	-2.548	-2.548	0	%100
113	M128	X	2.262	2.262	0	%100
114	M128	Z	-3.918	-3.918	0	%100
115	MP3C	X	1.526	1.526	0	%100
116	MP3C	Z	-2.644	-2.644	0	%100
117	MP4C	X	1.526	1.526	0	%100
118	MP4C	Z	-2.644	-2.644	0	%100
119	MP3B	X	1.526	1.526	0	%100
120	MP3B	Z	-2.644	-2.644	0	%100
121	MP4B	X	1.526	1.526	0	%100
122	MP4B	Z	-2.644	-2.644	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	2.493	2.493	0	%100
2	M1	Z	-1.44	-1.44	0	%100
3	M2	X	.642	.642	0	%100
4	M2	Z	-.371	-.371	0	%100
5	M3	X	.642	.642	0	%100
6	M3	Z	-.371	-.371	0	%100
7	M4	X	1.069	1.069	0	%100
8	M4	Z	-.617	-.617	0	%100
9	M7	X	.785	.785	0	%100
10	M7	Z	-.453	-.453	0	%100
11	M8	X	3.14	3.14	0	%100
12	M8	Z	-1.813	-1.813	0	%100
13	M12	X	3.153	3.153	0	%100
14	M12	Z	-1.821	-1.821	0	%100
15	M13	X	1.067	1.067	0	%100
16	M13	Z	-.616	-.616	0	%100
17	M15	X	1.114	1.114	0	%100
18	M15	Z	-.643	-.643	0	%100
19	M17	X	3.153	3.153	0	%100
20	M17	Z	-1.821	-1.821	0	%100
21	M18	X	4.269	4.269	0	%100
22	M18	Z	-2.465	-2.465	0	%100
23	M20	X	4.457	4.457	0	%100
24	M20	Z	-2.573	-2.573	0	%100
25	M25	X	2.493	2.493	0	%100
26	M25	Z	-1.44	-1.44	0	%100
27	M26	X	.642	.642	0	%100
28	M26	Z	-.371	-.371	0	%100
29	M27	X	.642	.642	0	%100
30	M27	Z	-.371	-.371	0	%100
31	M28	X	1.069	1.069	0	%100
32	M28	Z	-.617	-.617	0	%100
33	M31	X	3.14	3.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M31	Z	-1.813	-1.813	0	%100
35	M32	X	.785	.785	0	%100
36	M32	Z	-.453	-.453	0	%100
37	M36	X	3.153	3.153	0	%100
38	M36	Z	-1.821	-1.821	0	%100
39	M37	X	4.269	4.269	0	%100
40	M37	Z	-2.465	-2.465	0	%100
41	M39	X	4.457	4.457	0	%100
42	M39	Z	-2.573	-2.573	0	%100
43	M41	X	3.153	3.153	0	%100
44	M41	Z	-1.821	-1.821	0	%100
45	M42	X	1.067	1.067	0	%100
46	M42	Z	-.616	-.616	0	%100
47	M44	X	1.114	1.114	0	%100
48	M44	Z	-.643	-.643	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	2.567	2.567	0	%100
52	M50	Z	-1.482	-1.482	0	%100
53	M51	X	2.567	2.567	0	%100
54	M51	Z	-1.482	-1.482	0	%100
55	M52	X	4.278	4.278	0	%100
56	M52	Z	-2.47	-2.47	0	%100
57	M55	X	.785	.785	0	%100
58	M55	Z	-.453	-.453	0	%100
59	M56	X	.785	.785	0	%100
60	M56	Z	-.453	-.453	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	1.067	1.067	0	%100
64	M61	Z	-.616	-.616	0	%100
65	M63	X	1.114	1.114	0	%100
66	M63	Z	-.643	-.643	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.067	1.067	0	%100
70	M66	Z	-.616	-.616	0	%100
71	M68	X	1.114	1.114	0	%100
72	M68	Z	-.643	-.643	0	%100
73	M73	X	.823	.823	0	%100
74	M73	Z	-.475	-.475	0	%100
75	M74	X	3.293	3.293	0	%100
76	M74	Z	-1.901	-1.901	0	%100
77	M75	X	.823	.823	0	%100
78	M75	Z	-.475	-.475	0	%100
79	MP1A	X	2.644	2.644	0	%100
80	MP1A	Z	-1.526	-1.526	0	%100
81	MP2A	X	2.644	2.644	0	%100
82	MP2A	Z	-1.526	-1.526	0	%100
83	MP3A	X	2.644	2.644	0	%100
84	MP3A	Z	-1.526	-1.526	0	%100
85	MP4A	X	2.644	2.644	0	%100
86	MP4A	Z	-1.526	-1.526	0	%100
87	MP1C	X	2.644	2.644	0	%100
88	MP1C	Z	-1.526	-1.526	0	%100
89	MP2C	X	2.644	2.644	0	%100
90	MP2C	Z	-1.526	-1.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP1B	X	2.644	2.644	0	%100
92	MP1B	Z	-1.526	-1.526	0	%100
93	MP2B	X	2.644	2.644	0	%100
94	MP2B	Z	-1.526	-1.526	0	%100
95	OVP	X	2.445	2.445	0	%100
96	OVP	Z	-1.412	-1.412	0	%100
97	M102	X	.733	.733	0	%100
98	M102	Z	-.423	-.423	0	%100
99	M103	X	2.932	2.932	0	%100
100	M103	Z	-1.693	-1.693	0	%100
101	M104	X	.733	.733	0	%100
102	M104	Z	-.423	-.423	0	%100
103	M123	X	2.993	2.993	0	%100
104	M123	Z	-1.728	-1.728	0	%100
105	M124	X	.933	.933	0	%100
106	M124	Z	-.538	-.538	0	%100
107	M125	X	.584	.584	0	%100
108	M125	Z	-.337	-.337	0	%100
109	M126	X	3.458	3.458	0	%100
110	M126	Z	-1.996	-1.996	0	%100
111	M127	X	2.092	2.092	0	%100
112	M127	Z	-1.208	-1.208	0	%100
113	M128	X	3.461	3.461	0	%100
114	M128	Z	-1.998	-1.998	0	%100
115	MP3C	X	2.644	2.644	0	%100
116	MP3C	Z	-1.526	-1.526	0	%100
117	MP4C	X	2.644	2.644	0	%100
118	MP4C	Z	-1.526	-1.526	0	%100
119	MP3B	X	2.644	2.644	0	%100
120	MP3B	Z	-1.526	-1.526	0	%100
121	MP4B	X	2.644	2.644	0	%100
122	MP4B	Z	-1.526	-1.526	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	.96	.96	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.223	2.223	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.223	2.223	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	3.705	3.705	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M8	X	2.719	2.719	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	1.214	1.214	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	1.214	1.214	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	3.697	3.697	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M18	Z	0	0	0	%100
23	M20	X	3.859	3.859	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	3.839	3.839	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	2.719	2.719	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	2.719	2.719	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	4.855	4.855	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	3.697	3.697	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	3.859	3.859	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	4.855	4.855	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	3.697	3.697	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	3.859	3.859	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.96	.96	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	2.223	2.223	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	2.223	2.223	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	3.705	3.705	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	2.719	2.719	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	1.214	1.214	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	3.697	3.697	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	3.859	3.859	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	1.214	1.214	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	2.852	2.852	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	2.852	2.852	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	3.053	3.053	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	3.053	3.053	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.053	3.053	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	3.053	3.053	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	3.053	3.053	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	3.053	3.053	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1B	X	3.053	3.053	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	3.053	3.053	0	%100
94	MP2B	Z	0	0	0	%100
95	OVP	X	2.824	2.824	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M103	X	2.539	2.539	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	2.539	2.539	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	2.395	2.395	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	2.797	2.797	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	.016	.016	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	4.543	4.543	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	2.943	2.943	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	2.943	2.943	0	%100
114	M128	Z	0	0	0	%100
115	MP3C	X	3.053	3.053	0	%100
116	MP3C	Z	0	0	0	%100
117	MP4C	X	3.053	3.053	0	%100
118	MP4C	Z	0	0	0	%100
119	MP3B	X	3.053	3.053	0	%100
120	MP3B	Z	0	0	0	%100
121	MP4B	X	3.053	3.053	0	%100
122	MP4B	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.567	2.567	0	%100
4	M2	Z	1.482	1.482	0	%100
5	M3	X	2.567	2.567	0	%100
6	M3	Z	1.482	1.482	0	%100
7	M4	X	4.278	4.278	0	%100
8	M4	Z	2.47	2.47	0	%100
9	M7	X	.785	.785	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,%]
10	M7	Z	.453	.453	0	%100
11	M8	X	.785	.785	0	%100
12	M8	Z	.453	.453	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	1.067	1.067	0	%100
16	M13	Z	.616	.616	0	%100
17	M15	X	1.114	1.114	0	%100
18	M15	Z	.643	.643	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	1.067	1.067	0	%100
22	M18	Z	.616	.616	0	%100
23	M20	X	1.114	1.114	0	%100
24	M20	Z	.643	.643	0	%100
25	M25	X	2.493	2.493	0	%100
26	M25	Z	1.44	1.44	0	%100
27	M26	X	.642	.642	0	%100
28	M26	Z	.371	.371	0	%100
29	M27	X	.642	.642	0	%100
30	M27	Z	.371	.371	0	%100
31	M28	X	1.069	1.069	0	%100
32	M28	Z	.617	.617	0	%100
33	M31	X	.785	.785	0	%100
34	M31	Z	.453	.453	0	%100
35	M32	X	3.14	3.14	0	%100
36	M32	Z	1.813	1.813	0	%100
37	M36	X	3.153	3.153	0	%100
38	M36	Z	1.821	1.821	0	%100
39	M37	X	1.067	1.067	0	%100
40	M37	Z	.616	.616	0	%100
41	M39	X	1.114	1.114	0	%100
42	M39	Z	.643	.643	0	%100
43	M41	X	3.153	3.153	0	%100
44	M41	Z	1.821	1.821	0	%100
45	M42	X	4.269	4.269	0	%100
46	M42	Z	2.465	2.465	0	%100
47	M44	X	4.457	4.457	0	%100
48	M44	Z	2.573	2.573	0	%100
49	M49	X	2.493	2.493	0	%100
50	M49	Z	1.44	1.44	0	%100
51	M50	X	.642	.642	0	%100
52	M50	Z	.371	.371	0	%100
53	M51	X	.642	.642	0	%100
54	M51	Z	.371	.371	0	%100
55	M52	X	1.069	1.069	0	%100
56	M52	Z	.617	.617	0	%100
57	M55	X	3.14	3.14	0	%100
58	M55	Z	1.813	1.813	0	%100
59	M56	X	.785	.785	0	%100
60	M56	Z	.453	.453	0	%100
61	M60	X	3.153	3.153	0	%100
62	M60	Z	1.821	1.821	0	%100
63	M61	X	4.269	4.269	0	%100
64	M61	Z	2.465	2.465	0	%100
65	M63	X	4.457	4.457	0	%100
66	M63	Z	2.573	2.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M65	X	3.153	3.153	0	%100
68	M65	Z	1.821	1.821	0	%100
69	M66	X	1.067	1.067	0	%100
70	M66	Z	.616	.616	0	%100
71	M68	X	1.114	1.114	0	%100
72	M68	Z	.643	.643	0	%100
73	M73	X	.823	.823	0	%100
74	M73	Z	.475	.475	0	%100
75	M74	X	.823	.823	0	%100
76	M74	Z	.475	.475	0	%100
77	M75	X	3.293	3.293	0	%100
78	M75	Z	1.901	1.901	0	%100
79	MP1A	X	2.644	2.644	0	%100
80	MP1A	Z	1.526	1.526	0	%100
81	MP2A	X	2.644	2.644	0	%100
82	MP2A	Z	1.526	1.526	0	%100
83	MP3A	X	2.644	2.644	0	%100
84	MP3A	Z	1.526	1.526	0	%100
85	MP4A	X	2.644	2.644	0	%100
86	MP4A	Z	1.526	1.526	0	%100
87	MP1C	X	2.644	2.644	0	%100
88	MP1C	Z	1.526	1.526	0	%100
89	MP2C	X	2.644	2.644	0	%100
90	MP2C	Z	1.526	1.526	0	%100
91	MP1B	X	2.644	2.644	0	%100
92	MP1B	Z	1.526	1.526	0	%100
93	MP2B	X	2.644	2.644	0	%100
94	MP2B	Z	1.526	1.526	0	%100
95	OVP	X	2.445	2.445	0	%100
96	OVP	Z	1.412	1.412	0	%100
97	M102	X	.733	.733	0	%100
98	M102	Z	.423	.423	0	%100
99	M103	X	.733	.733	0	%100
100	M103	Z	.423	.423	0	%100
101	M104	X	2.932	2.932	0	%100
102	M104	Z	1.693	1.693	0	%100
103	M123	X	.584	.584	0	%100
104	M123	Z	.337	.337	0	%100
105	M124	X	2.993	2.993	0	%100
106	M124	Z	1.728	1.728	0	%100
107	M125	X	.933	.933	0	%100
108	M125	Z	.538	.538	0	%100
109	M126	X	3.458	3.458	0	%100
110	M126	Z	1.996	1.996	0	%100
111	M127	X	3.461	3.461	0	%100
112	M127	Z	1.998	1.998	0	%100
113	M128	X	2.092	2.092	0	%100
114	M128	Z	1.208	1.208	0	%100
115	MP3C	X	2.644	2.644	0	%100
116	MP3C	Z	1.526	1.526	0	%100
117	MP4C	X	2.644	2.644	0	%100
118	MP4C	Z	1.526	1.526	0	%100
119	MP3B	X	2.644	2.644	0	%100
120	MP3B	Z	1.526	1.526	0	%100
121	MP4B	X	2.644	2.644	0	%100
122	MP4B	Z	1.526	1.526	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	.48	.48	0	%100
2	M1	Z	.831	.831	0	%100
3	M2	X	1.112	1.112	0	%100
4	M2	Z	1.925	1.925	0	%100
5	M3	X	1.112	1.112	0	%100
6	M3	Z	1.925	1.925	0	%100
7	M4	X	1.852	1.852	0	%100
8	M4	Z	3.208	3.208	0	%100
9	M7	X	1.36	1.36	0	%100
10	M7	Z	2.355	2.355	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	.607	.607	0	%100
14	M12	Z	1.051	1.051	0	%100
15	M13	X	1.848	1.848	0	%100
16	M13	Z	3.201	3.201	0	%100
17	M15	X	1.93	1.93	0	%100
18	M15	Z	3.342	3.342	0	%100
19	M17	X	.607	.607	0	%100
20	M17	Z	1.051	1.051	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	.48	.48	0	%100
26	M25	Z	.831	.831	0	%100
27	M26	X	1.112	1.112	0	%100
28	M26	Z	1.925	1.925	0	%100
29	M27	X	1.112	1.112	0	%100
30	M27	Z	1.925	1.925	0	%100
31	M28	X	1.852	1.852	0	%100
32	M28	Z	3.208	3.208	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	1.36	1.36	0	%100
36	M32	Z	2.355	2.355	0	%100
37	M36	X	.607	.607	0	%100
38	M36	Z	1.051	1.051	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.607	.607	0	%100
44	M41	Z	1.051	1.051	0	%100
45	M42	X	1.848	1.848	0	%100
46	M42	Z	3.201	3.201	0	%100
47	M44	X	1.93	1.93	0	%100
48	M44	Z	3.342	3.342	0	%100
49	M49	X	1.919	1.919	0	%100
50	M49	Z	3.325	3.325	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	1.36	1.36	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,%]
58	M55	Z	2.355	2.355	0	%100
59	M56	X	1.36	1.36	0	%100
60	M56	Z	2.355	2.355	0	%100
61	M60	X	2.428	2.428	0	%100
62	M60	Z	4.205	4.205	0	%100
63	M61	X	1.848	1.848	0	%100
64	M61	Z	3.201	3.201	0	%100
65	M63	X	1.93	1.93	0	%100
66	M63	Z	3.342	3.342	0	%100
67	M65	X	2.428	2.428	0	%100
68	M65	Z	4.205	4.205	0	%100
69	M66	X	1.848	1.848	0	%100
70	M66	Z	3.201	3.201	0	%100
71	M68	X	1.93	1.93	0	%100
72	M68	Z	3.342	3.342	0	%100
73	M73	X	1.426	1.426	0	%100
74	M73	Z	2.47	2.47	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.426	1.426	0	%100
78	M75	Z	2.47	2.47	0	%100
79	MP1A	X	1.526	1.526	0	%100
80	MP1A	Z	2.644	2.644	0	%100
81	MP2A	X	1.526	1.526	0	%100
82	MP2A	Z	2.644	2.644	0	%100
83	MP3A	X	1.526	1.526	0	%100
84	MP3A	Z	2.644	2.644	0	%100
85	MP4A	X	1.526	1.526	0	%100
86	MP4A	Z	2.644	2.644	0	%100
87	MP1C	X	1.526	1.526	0	%100
88	MP1C	Z	2.644	2.644	0	%100
89	MP2C	X	1.526	1.526	0	%100
90	MP2C	Z	2.644	2.644	0	%100
91	MP1B	X	1.526	1.526	0	%100
92	MP1B	Z	2.644	2.644	0	%100
93	MP2B	X	1.526	1.526	0	%100
94	MP2B	Z	2.644	2.644	0	%100
95	OVP	X	1.412	1.412	0	%100
96	OVP	Z	2.445	2.445	0	%100
97	M102	X	1.27	1.27	0	%100
98	M102	Z	2.199	2.199	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	1.27	1.27	0	%100
102	M104	Z	2.199	2.199	0	%100
103	M123	X	.008	.008	0	%100
104	M123	Z	.014	.014	0	%100
105	M124	X	1.197	1.197	0	%100
106	M124	Z	2.074	2.074	0	%100
107	M125	X	1.399	1.399	0	%100
108	M125	Z	2.422	2.422	0	%100
109	M126	X	1.446	1.446	0	%100
110	M126	Z	2.505	2.505	0	%100
111	M127	X	2.262	2.262	0	%100
112	M127	Z	3.918	3.918	0	%100
113	M128	X	1.471	1.471	0	%100
114	M128	Z	2.548	2.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	MP3C	X	1.526	1.526	0	%100
116	MP3C	Z	2.644	2.644	0	%100
117	MP4C	X	1.526	1.526	0	%100
118	MP4C	Z	2.644	2.644	0	%100
119	MP3B	X	1.526	1.526	0	%100
120	MP3B	Z	2.644	2.644	0	%100
121	MP4B	X	1.526	1.526	0	%100
122	MP4B	Z	2.644	2.644	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	2.879	2.879	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.741	.741	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.741	.741	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	1.235	1.235	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	3.625	3.625	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	.906	.906	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	3.641	3.641	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	4.929	4.929	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	5.146	5.146	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	3.641	3.641	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	1.232	1.232	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	1.286	1.286	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	2.964	2.964	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.964	2.964	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	4.94	4.94	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.906	.906	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.906	.906	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	1.232	1.232	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	1.286	1.286	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	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,%]
46	M42	Z	1.232	1.232	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	1.286	1.286	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	2.879	2.879	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	.741	.741	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	.741	.741	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	1.235	1.235	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	.906	.906	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	3.625	3.625	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	3.641	3.641	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.232	1.232	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.286	1.286	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	3.641	3.641	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	4.929	4.929	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	5.146	5.146	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	3.802	3.802	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.951	.951	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.951	.951	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	3.053	3.053	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	3.053	3.053	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.053	3.053	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	3.053	3.053	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	3.053	3.053	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.053	3.053	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	3.053	3.053	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	3.053	3.053	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	2.824	2.824	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	3.386	3.386	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	.846	.846	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	.846	.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M123	X	0	0	0	%100
104	M123	Z	1.077	1.077	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	.675	.675	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	3.456	3.456	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	2.343	2.343	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	3.997	3.997	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	3.997	3.997	0	%100
115	MP3C	X	0	0	0	%100
116	MP3C	Z	3.053	3.053	0	%100
117	MP4C	X	0	0	0	%100
118	MP4C	Z	3.053	3.053	0	%100
119	MP3B	X	0	0	0	%100
120	MP3B	Z	3.053	3.053	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	3.053	3.053	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	-1.919	-1.919	0	%100
2	M1	Z	3.325	3.325	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	-1.36	-1.36	0	%100
10	M7	Z	2.355	2.355	0	%100
11	M8	X	-1.36	-1.36	0	%100
12	M8	Z	2.355	2.355	0	%100
13	M12	X	-2.428	-2.428	0	%100
14	M12	Z	4.205	4.205	0	%100
15	M13	X	-1.848	-1.848	0	%100
16	M13	Z	3.201	3.201	0	%100
17	M15	X	-1.93	-1.93	0	%100
18	M15	Z	3.342	3.342	0	%100
19	M17	X	-2.428	-2.428	0	%100
20	M17	Z	4.205	4.205	0	%100
21	M18	X	-1.848	-1.848	0	%100
22	M18	Z	3.201	3.201	0	%100
23	M20	X	-1.93	-1.93	0	%100
24	M20	Z	3.342	3.342	0	%100
25	M25	X	-.48	-.48	0	%100
26	M25	Z	.831	.831	0	%100
27	M26	X	-1.112	-1.112	0	%100
28	M26	Z	1.925	1.925	0	%100
29	M27	X	-1.112	-1.112	0	%100
30	M27	Z	1.925	1.925	0	%100
31	M28	X	-1.852	-1.852	0	%100
32	M28	Z	3.208	3.208	0	%100
33	M31	X	-1.36	-1.36	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,%]
34	M31	Z	2.355	2.355	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.607	-.607	0	%100
38	M36	Z	1.051	1.051	0	%100
39	M37	X	-1.848	-1.848	0	%100
40	M37	Z	3.201	3.201	0	%100
41	M39	X	-1.93	-1.93	0	%100
42	M39	Z	3.342	3.342	0	%100
43	M41	X	-.607	-.607	0	%100
44	M41	Z	1.051	1.051	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.48	-.48	0	%100
50	M49	Z	.831	.831	0	%100
51	M50	X	-1.112	-1.112	0	%100
52	M50	Z	1.925	1.925	0	%100
53	M51	X	-1.112	-1.112	0	%100
54	M51	Z	1.925	1.925	0	%100
55	M52	X	-1.852	-1.852	0	%100
56	M52	Z	3.208	3.208	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-1.36	-1.36	0	%100
60	M56	Z	2.355	2.355	0	%100
61	M60	X	-.607	-.607	0	%100
62	M60	Z	1.051	1.051	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.607	-.607	0	%100
68	M65	Z	1.051	1.051	0	%100
69	M66	X	-1.848	-1.848	0	%100
70	M66	Z	3.201	3.201	0	%100
71	M68	X	-1.93	-1.93	0	%100
72	M68	Z	3.342	3.342	0	%100
73	M73	X	-1.426	-1.426	0	%100
74	M73	Z	2.47	2.47	0	%100
75	M74	X	-1.426	-1.426	0	%100
76	M74	Z	2.47	2.47	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-1.526	-1.526	0	%100
80	MP1A	Z	2.644	2.644	0	%100
81	MP2A	X	-1.526	-1.526	0	%100
82	MP2A	Z	2.644	2.644	0	%100
83	MP3A	X	-1.526	-1.526	0	%100
84	MP3A	Z	2.644	2.644	0	%100
85	MP4A	X	-1.526	-1.526	0	%100
86	MP4A	Z	2.644	2.644	0	%100
87	MP1C	X	-1.526	-1.526	0	%100
88	MP1C	Z	2.644	2.644	0	%100
89	MP2C	X	-1.526	-1.526	0	%100
90	MP2C	Z	2.644	2.644	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,%]
91	MP1B	X	-1.526	-1.526	0	%100
92	MP1B	Z	2.644	2.644	0	%100
93	MP2B	X	-1.526	-1.526	0	%100
94	MP2B	Z	2.644	2.644	0	%100
95	OVP	X	-1.412	-1.412	0	%100
96	OVP	Z	2.445	2.445	0	%100
97	M102	X	-1.27	-1.27	0	%100
98	M102	Z	2.199	2.199	0	%100
99	M103	X	-1.27	-1.27	0	%100
100	M103	Z	2.199	2.199	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	-1.399	-1.399	0	%100
104	M123	Z	2.422	2.422	0	%100
105	M124	X	-.008	-.008	0	%100
106	M124	Z	.014	.014	0	%100
107	M125	X	-1.197	-1.197	0	%100
108	M125	Z	2.074	2.074	0	%100
109	M126	X	-1.446	-1.446	0	%100
110	M126	Z	2.505	2.505	0	%100
111	M127	X	-1.471	-1.471	0	%100
112	M127	Z	2.548	2.548	0	%100
113	M128	X	-2.262	-2.262	0	%100
114	M128	Z	3.918	3.918	0	%100
115	MP3C	X	-1.526	-1.526	0	%100
116	MP3C	Z	2.644	2.644	0	%100
117	MP4C	X	-1.526	-1.526	0	%100
118	MP4C	Z	2.644	2.644	0	%100
119	MP3B	X	-1.526	-1.526	0	%100
120	MP3B	Z	2.644	2.644	0	%100
121	MP4B	X	-1.526	-1.526	0	%100
122	MP4B	Z	2.644	2.644	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	-2.493	-2.493	0	%100
2	M1	Z	1.44	1.44	0	%100
3	M2	X	-.642	-.642	0	%100
4	M2	Z	.371	.371	0	%100
5	M3	X	-.642	-.642	0	%100
6	M3	Z	.371	.371	0	%100
7	M4	X	-1.069	-1.069	0	%100
8	M4	Z	.617	.617	0	%100
9	M7	X	-.785	-.785	0	%100
10	M7	Z	.453	.453	0	%100
11	M8	X	-3.14	-3.14	0	%100
12	M8	Z	1.813	1.813	0	%100
13	M12	X	-3.153	-3.153	0	%100
14	M12	Z	1.821	1.821	0	%100
15	M13	X	-1.067	-1.067	0	%100
16	M13	Z	.616	.616	0	%100
17	M15	X	-1.114	-1.114	0	%100
18	M15	Z	.643	.643	0	%100
19	M17	X	-3.153	-3.153	0	%100
20	M17	Z	1.821	1.821	0	%100
21	M18	X	-4.269	-4.269	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,%]
22	M18	Z	2.465	2.465	0	%100
23	M20	X	-4.457	-4.457	0	%100
24	M20	Z	2.573	2.573	0	%100
25	M25	X	-2.493	-2.493	0	%100
26	M25	Z	1.44	1.44	0	%100
27	M26	X	-.642	-.642	0	%100
28	M26	Z	.371	.371	0	%100
29	M27	X	-.642	-.642	0	%100
30	M27	Z	.371	.371	0	%100
31	M28	X	-1.069	-1.069	0	%100
32	M28	Z	.617	.617	0	%100
33	M31	X	-3.14	-3.14	0	%100
34	M31	Z	1.813	1.813	0	%100
35	M32	X	-.785	-.785	0	%100
36	M32	Z	.453	.453	0	%100
37	M36	X	-3.153	-3.153	0	%100
38	M36	Z	1.821	1.821	0	%100
39	M37	X	-4.269	-4.269	0	%100
40	M37	Z	2.465	2.465	0	%100
41	M39	X	-4.457	-4.457	0	%100
42	M39	Z	2.573	2.573	0	%100
43	M41	X	-3.153	-3.153	0	%100
44	M41	Z	1.821	1.821	0	%100
45	M42	X	-1.067	-1.067	0	%100
46	M42	Z	.616	.616	0	%100
47	M44	X	-1.114	-1.114	0	%100
48	M44	Z	.643	.643	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-2.567	-2.567	0	%100
52	M50	Z	1.482	1.482	0	%100
53	M51	X	-2.567	-2.567	0	%100
54	M51	Z	1.482	1.482	0	%100
55	M52	X	-4.278	-4.278	0	%100
56	M52	Z	2.47	2.47	0	%100
57	M55	X	-.785	-.785	0	%100
58	M55	Z	.453	.453	0	%100
59	M56	X	-.785	-.785	0	%100
60	M56	Z	.453	.453	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-1.067	-1.067	0	%100
64	M61	Z	.616	.616	0	%100
65	M63	X	-1.114	-1.114	0	%100
66	M63	Z	.643	.643	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.067	-1.067	0	%100
70	M66	Z	.616	.616	0	%100
71	M68	X	-1.114	-1.114	0	%100
72	M68	Z	.643	.643	0	%100
73	M73	X	-.823	-.823	0	%100
74	M73	Z	.475	.475	0	%100
75	M74	X	-3.293	-3.293	0	%100
76	M74	Z	1.901	1.901	0	%100
77	M75	X	-.823	-.823	0	%100
78	M75	Z	.475	.475	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	-2.644	-2.644	0	%100
80	MP1A	Z	1.526	1.526	0	%100
81	MP2A	X	-2.644	-2.644	0	%100
82	MP2A	Z	1.526	1.526	0	%100
83	MP3A	X	-2.644	-2.644	0	%100
84	MP3A	Z	1.526	1.526	0	%100
85	MP4A	X	-2.644	-2.644	0	%100
86	MP4A	Z	1.526	1.526	0	%100
87	MP1C	X	-2.644	-2.644	0	%100
88	MP1C	Z	1.526	1.526	0	%100
89	MP2C	X	-2.644	-2.644	0	%100
90	MP2C	Z	1.526	1.526	0	%100
91	MP1B	X	-2.644	-2.644	0	%100
92	MP1B	Z	1.526	1.526	0	%100
93	MP2B	X	-2.644	-2.644	0	%100
94	MP2B	Z	1.526	1.526	0	%100
95	OVP	X	-2.445	-2.445	0	%100
96	OVP	Z	1.412	1.412	0	%100
97	M102	X	-.733	-.733	0	%100
98	M102	Z	.423	.423	0	%100
99	M103	X	-2.932	-2.932	0	%100
100	M103	Z	1.693	1.693	0	%100
101	M104	X	-.733	-.733	0	%100
102	M104	Z	.423	.423	0	%100
103	M123	X	-2.993	-2.993	0	%100
104	M123	Z	1.728	1.728	0	%100
105	M124	X	-.933	-.933	0	%100
106	M124	Z	.538	.538	0	%100
107	M125	X	-.584	-.584	0	%100
108	M125	Z	.337	.337	0	%100
109	M126	X	-3.458	-3.458	0	%100
110	M126	Z	1.996	1.996	0	%100
111	M127	X	-2.092	-2.092	0	%100
112	M127	Z	1.208	1.208	0	%100
113	M128	X	-3.461	-3.461	0	%100
114	M128	Z	1.998	1.998	0	%100
115	MP3C	X	-2.644	-2.644	0	%100
116	MP3C	Z	1.526	1.526	0	%100
117	MP4C	X	-2.644	-2.644	0	%100
118	MP4C	Z	1.526	1.526	0	%100
119	MP3B	X	-2.644	-2.644	0	%100
120	MP3B	Z	1.526	1.526	0	%100
121	MP4B	X	-2.644	-2.644	0	%100
122	MP4B	Z	1.526	1.526	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	-.96	-.96	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.223	-2.223	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.223	-2.223	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-3.705	-3.705	0	%100
8	M4	Z	0	0	0	%100
9	M7	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,%]
10	M7	Z	0	0	0	%100
11	M8	X	-2.719	-2.719	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	-1.214	-1.214	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	-1.214	-1.214	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	-3.697	-3.697	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	-3.859	-3.859	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	-3.839	-3.839	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-2.719	-2.719	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-2.719	-2.719	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-4.855	-4.855	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-3.697	-3.697	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-3.859	-3.859	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-4.855	-4.855	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-3.697	-3.697	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	-3.859	-3.859	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.96	-.96	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-2.223	-2.223	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	-2.223	-2.223	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	-3.705	-3.705	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-2.719	-2.719	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-1.214	-1.214	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-3.697	-3.697	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	-3.859	-3.859	0	%100
66	M63	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M65	X	-1.214	-1.214	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-2.852	-2.852	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-2.852	-2.852	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-3.053	-3.053	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-3.053	-3.053	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.053	-3.053	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-3.053	-3.053	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-3.053	-3.053	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-3.053	-3.053	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1B	X	-3.053	-3.053	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	-3.053	-3.053	0	%100
94	MP2B	Z	0	0	0	%100
95	OVP	X	-2.824	-2.824	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M103	X	-2.539	-2.539	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-2.539	-2.539	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	-2.395	-2.395	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-2.797	-2.797	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-.016	-.016	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-4.543	-4.543	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	-2.943	-2.943	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	-2.943	-2.943	0	%100
114	M128	Z	0	0	0	%100
115	MP3C	X	-3.053	-3.053	0	%100
116	MP3C	Z	0	0	0	%100
117	MP4C	X	-3.053	-3.053	0	%100
118	MP4C	Z	0	0	0	%100
119	MP3B	X	-3.053	-3.053	0	%100
120	MP3B	Z	0	0	0	%100
121	MP4B	X	-3.053	-3.053	0	%100
122	MP4B	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.567	-2.567	0	%100
4	M2	Z	-1.482	-1.482	0	%100
5	M3	X	-2.567	-2.567	0	%100
6	M3	Z	-1.482	-1.482	0	%100
7	M4	X	-4.278	-4.278	0	%100
8	M4	Z	-2.47	-2.47	0	%100
9	M7	X	-.785	-.785	0	%100
10	M7	Z	-.453	-.453	0	%100
11	M8	X	-.785	-.785	0	%100
12	M8	Z	-.453	-.453	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	-1.067	-1.067	0	%100
16	M13	Z	-.616	-.616	0	%100
17	M15	X	-1.114	-1.114	0	%100
18	M15	Z	-.643	-.643	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	-1.067	-1.067	0	%100
22	M18	Z	-.616	-.616	0	%100
23	M20	X	-1.114	-1.114	0	%100
24	M20	Z	-.643	-.643	0	%100
25	M25	X	-2.493	-2.493	0	%100
26	M25	Z	-1.44	-1.44	0	%100
27	M26	X	-.642	-.642	0	%100
28	M26	Z	-.371	-.371	0	%100
29	M27	X	-.642	-.642	0	%100
30	M27	Z	-.371	-.371	0	%100
31	M28	X	-1.069	-1.069	0	%100
32	M28	Z	-.617	-.617	0	%100
33	M31	X	-.785	-.785	0	%100
34	M31	Z	-.453	-.453	0	%100
35	M32	X	-3.14	-3.14	0	%100
36	M32	Z	-1.813	-1.813	0	%100
37	M36	X	-3.153	-3.153	0	%100
38	M36	Z	-1.821	-1.821	0	%100
39	M37	X	-1.067	-1.067	0	%100
40	M37	Z	-.616	-.616	0	%100
41	M39	X	-1.114	-1.114	0	%100
42	M39	Z	-.643	-.643	0	%100
43	M41	X	-3.153	-3.153	0	%100
44	M41	Z	-1.821	-1.821	0	%100
45	M42	X	-4.269	-4.269	0	%100
46	M42	Z	-2.465	-2.465	0	%100
47	M44	X	-4.457	-4.457	0	%100
48	M44	Z	-2.573	-2.573	0	%100
49	M49	X	-2.493	-2.493	0	%100
50	M49	Z	-1.44	-1.44	0	%100
51	M50	X	-.642	-.642	0	%100
52	M50	Z	-.371	-.371	0	%100
53	M51	X	-.642	-.642	0	%100
54	M51	Z	-.371	-.371	0	%100
55	M52	X	-1.069	-1.069	0	%100
56	M52	Z	-.617	-.617	0	%100
57	M55	X	-3.14	-3.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M55	Z	-1.813	-1.813	0	%100
59	M56	X	-.785	-.785	0	%100
60	M56	Z	-.453	-.453	0	%100
61	M60	X	-3.153	-3.153	0	%100
62	M60	Z	-1.821	-1.821	0	%100
63	M61	X	-4.269	-4.269	0	%100
64	M61	Z	-2.465	-2.465	0	%100
65	M63	X	-4.457	-4.457	0	%100
66	M63	Z	-2.573	-2.573	0	%100
67	M65	X	-3.153	-3.153	0	%100
68	M65	Z	-1.821	-1.821	0	%100
69	M66	X	-1.067	-1.067	0	%100
70	M66	Z	-.616	-.616	0	%100
71	M68	X	-1.114	-1.114	0	%100
72	M68	Z	-.643	-.643	0	%100
73	M73	X	-.823	-.823	0	%100
74	M73	Z	-.475	-.475	0	%100
75	M74	X	-.823	-.823	0	%100
76	M74	Z	-.475	-.475	0	%100
77	M75	X	-3.293	-3.293	0	%100
78	M75	Z	-1.901	-1.901	0	%100
79	MP1A	X	-2.644	-2.644	0	%100
80	MP1A	Z	-1.526	-1.526	0	%100
81	MP2A	X	-2.644	-2.644	0	%100
82	MP2A	Z	-1.526	-1.526	0	%100
83	MP3A	X	-2.644	-2.644	0	%100
84	MP3A	Z	-1.526	-1.526	0	%100
85	MP4A	X	-2.644	-2.644	0	%100
86	MP4A	Z	-1.526	-1.526	0	%100
87	MP1C	X	-2.644	-2.644	0	%100
88	MP1C	Z	-1.526	-1.526	0	%100
89	MP2C	X	-2.644	-2.644	0	%100
90	MP2C	Z	-1.526	-1.526	0	%100
91	MP1B	X	-2.644	-2.644	0	%100
92	MP1B	Z	-1.526	-1.526	0	%100
93	MP2B	X	-2.644	-2.644	0	%100
94	MP2B	Z	-1.526	-1.526	0	%100
95	OVP	X	-2.445	-2.445	0	%100
96	OVP	Z	-1.412	-1.412	0	%100
97	M102	X	-.733	-.733	0	%100
98	M102	Z	-.423	-.423	0	%100
99	M103	X	-.733	-.733	0	%100
100	M103	Z	-.423	-.423	0	%100
101	M104	X	-2.932	-2.932	0	%100
102	M104	Z	-1.693	-1.693	0	%100
103	M123	X	-.584	-.584	0	%100
104	M123	Z	-.337	-.337	0	%100
105	M124	X	-2.993	-2.993	0	%100
106	M124	Z	-1.728	-1.728	0	%100
107	M125	X	-.933	-.933	0	%100
108	M125	Z	-.538	-.538	0	%100
109	M126	X	-3.458	-3.458	0	%100
110	M126	Z	-1.996	-1.996	0	%100
111	M127	X	-3.461	-3.461	0	%100
112	M127	Z	-1.998	-1.998	0	%100
113	M128	X	-2.092	-2.092	0	%100
114	M128	Z	-1.208	-1.208	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	MP3C	X	-2.644	-2.644	0	%100
116	MP3C	Z	-1.526	-1.526	0	%100
117	MP4C	X	-2.644	-2.644	0	%100
118	MP4C	Z	-1.526	-1.526	0	%100
119	MP3B	X	-2.644	-2.644	0	%100
120	MP3B	Z	-1.526	-1.526	0	%100
121	MP4B	X	-2.644	-2.644	0	%100
122	MP4B	Z	-1.526	-1.526	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	-.48	-.48	0	%100
2	M1	Z	-.831	-.831	0	%100
3	M2	X	-1.112	-1.112	0	%100
4	M2	Z	-1.925	-1.925	0	%100
5	M3	X	-1.112	-1.112	0	%100
6	M3	Z	-1.925	-1.925	0	%100
7	M4	X	-1.852	-1.852	0	%100
8	M4	Z	-3.208	-3.208	0	%100
9	M7	X	-1.36	-1.36	0	%100
10	M7	Z	-2.355	-2.355	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	-.607	-.607	0	%100
14	M12	Z	-1.051	-1.051	0	%100
15	M13	X	-1.848	-1.848	0	%100
16	M13	Z	-3.201	-3.201	0	%100
17	M15	X	-1.93	-1.93	0	%100
18	M15	Z	-3.342	-3.342	0	%100
19	M17	X	-.607	-.607	0	%100
20	M17	Z	-1.051	-1.051	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	-.48	-.48	0	%100
26	M25	Z	-.831	-.831	0	%100
27	M26	X	-1.112	-1.112	0	%100
28	M26	Z	-1.925	-1.925	0	%100
29	M27	X	-1.112	-1.112	0	%100
30	M27	Z	-1.925	-1.925	0	%100
31	M28	X	-1.852	-1.852	0	%100
32	M28	Z	-3.208	-3.208	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-1.36	-1.36	0	%100
36	M32	Z	-2.355	-2.355	0	%100
37	M36	X	-.607	-.607	0	%100
38	M36	Z	-1.051	-1.051	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.607	-.607	0	%100
44	M41	Z	-1.051	-1.051	0	%100
45	M42	X	-1.848	-1.848	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,%]
46	M42	Z	-3.201	-3.201	0	%100
47	M44	X	-1.93	-1.93	0	%100
48	M44	Z	-3.342	-3.342	0	%100
49	M49	X	-1.919	-1.919	0	%100
50	M49	Z	-3.325	-3.325	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-1.36	-1.36	0	%100
58	M55	Z	-2.355	-2.355	0	%100
59	M56	X	-1.36	-1.36	0	%100
60	M56	Z	-2.355	-2.355	0	%100
61	M60	X	-2.428	-2.428	0	%100
62	M60	Z	-4.205	-4.205	0	%100
63	M61	X	-1.848	-1.848	0	%100
64	M61	Z	-3.201	-3.201	0	%100
65	M63	X	-1.93	-1.93	0	%100
66	M63	Z	-3.342	-3.342	0	%100
67	M65	X	-2.428	-2.428	0	%100
68	M65	Z	-4.205	-4.205	0	%100
69	M66	X	-1.848	-1.848	0	%100
70	M66	Z	-3.201	-3.201	0	%100
71	M68	X	-1.93	-1.93	0	%100
72	M68	Z	-3.342	-3.342	0	%100
73	M73	X	-1.426	-1.426	0	%100
74	M73	Z	-2.47	-2.47	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.426	-1.426	0	%100
78	M75	Z	-2.47	-2.47	0	%100
79	MP1A	X	-1.526	-1.526	0	%100
80	MP1A	Z	-2.644	-2.644	0	%100
81	MP2A	X	-1.526	-1.526	0	%100
82	MP2A	Z	-2.644	-2.644	0	%100
83	MP3A	X	-1.526	-1.526	0	%100
84	MP3A	Z	-2.644	-2.644	0	%100
85	MP4A	X	-1.526	-1.526	0	%100
86	MP4A	Z	-2.644	-2.644	0	%100
87	MP1C	X	-1.526	-1.526	0	%100
88	MP1C	Z	-2.644	-2.644	0	%100
89	MP2C	X	-1.526	-1.526	0	%100
90	MP2C	Z	-2.644	-2.644	0	%100
91	MP1B	X	-1.526	-1.526	0	%100
92	MP1B	Z	-2.644	-2.644	0	%100
93	MP2B	X	-1.526	-1.526	0	%100
94	MP2B	Z	-2.644	-2.644	0	%100
95	OVP	X	-1.412	-1.412	0	%100
96	OVP	Z	-2.445	-2.445	0	%100
97	M102	X	-1.27	-1.27	0	%100
98	M102	Z	-2.199	-2.199	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-1.27	-1.27	0	%100
102	M104	Z	-2.199	-2.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M123	X	-.008	-.008	0	%100
104	M123	Z	-.014	-.014	0	%100
105	M124	X	-1.197	-1.197	0	%100
106	M124	Z	-2.074	-2.074	0	%100
107	M125	X	-1.399	-1.399	0	%100
108	M125	Z	-2.422	-2.422	0	%100
109	M126	X	-1.446	-1.446	0	%100
110	M126	Z	-2.505	-2.505	0	%100
111	M127	X	-2.262	-2.262	0	%100
112	M127	Z	-3.918	-3.918	0	%100
113	M128	X	-1.471	-1.471	0	%100
114	M128	Z	-2.548	-2.548	0	%100
115	MP3C	X	-1.526	-1.526	0	%100
116	MP3C	Z	-2.644	-2.644	0	%100
117	MP4C	X	-1.526	-1.526	0	%100
118	MP4C	Z	-2.644	-2.644	0	%100
119	MP3B	X	-1.526	-1.526	0	%100
120	MP3B	Z	-2.644	-2.644	0	%100
121	MP4B	X	-1.526	-1.526	0	%100
122	MP4B	Z	-2.644	-2.644	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	-.639	-.639	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.164	-.164	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.164	-.164	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.36	-.36	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-.799	-.799	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-.2	-.2	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	-1.079	-1.079	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-1.466	-1.466	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-1.544	-1.544	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	-1.079	-1.079	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	-.366	-.366	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-.386	-.386	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.656	-.656	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.656	-.656	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.439	-1.439	0	%100
33	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M31	Z	-.2	-.2	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.2	-.2	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.366	-.366	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-.386	-.386	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-.366	-.366	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-.386	-.386	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-.639	-.639	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	-.164	-.164	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	-.164	-.164	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	-.36	-.36	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-.2	-.2	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.799	-.799	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-1.079	-1.079	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-.366	-.366	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-.386	-.386	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-1.079	-1.079	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-1.466	-1.466	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-1.544	-1.544	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.839	-.839	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.21	-.21	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.21	-.21	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.57	-.57	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.57	-.57	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.57	-.57	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.57	-.57	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-.57	-.57	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.57	-.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-.57	-.57	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-.57	-.57	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	-.519	-.519	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-.69	-.69	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	-.172	-.172	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-.172	-.172	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-.266	-.266	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-.167	-.167	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-.855	-.855	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-.659	-.659	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	-.994	-.994	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	-.994	-.994	0	%100
115	MP3C	X	0	0	0	%100
116	MP3C	Z	-.57	-.57	0	%100
117	MP4C	X	0	0	0	%100
118	MP4C	Z	-.57	-.57	0	%100
119	MP3B	X	0	0	0	%100
120	MP3B	Z	-.57	-.57	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	-.57	-.57	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	.426	.426	0	%100
2	M1	Z	-.738	-.738	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	.3	.3	0	%100
10	M7	Z	-.519	-.519	0	%100
11	M8	X	.3	.3	0	%100
12	M8	Z	-.519	-.519	0	%100
13	M12	X	.719	.719	0	%100
14	M12	Z	-1.246	-1.246	0	%100
15	M13	X	.55	.55	0	%100
16	M13	Z	-.952	-.952	0	%100
17	M15	X	.579	.579	0	%100
18	M15	Z	-1.003	-1.003	0	%100
19	M17	X	.719	.719	0	%100
20	M17	Z	-1.246	-1.246	0	%100
21	M18	X	.55	.55	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,%]
22	M18	Z	-.952	-.952	0	%100
23	M20	X	.579	.579	0	%100
24	M20	Z	-1.003	-1.003	0	%100
25	M25	X	.107	.107	0	%100
26	M25	Z	-.185	-.185	0	%100
27	M26	X	.246	.246	0	%100
28	M26	Z	-.426	-.426	0	%100
29	M27	X	.246	.246	0	%100
30	M27	Z	-.426	-.426	0	%100
31	M28	X	.54	.54	0	%100
32	M28	Z	-.935	-.935	0	%100
33	M31	X	.3	.3	0	%100
34	M31	Z	-.519	-.519	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.18	.18	0	%100
38	M36	Z	-.312	-.312	0	%100
39	M37	X	.55	.55	0	%100
40	M37	Z	-.952	-.952	0	%100
41	M39	X	.579	.579	0	%100
42	M39	Z	-1.003	-1.003	0	%100
43	M41	X	.18	.18	0	%100
44	M41	Z	-.312	-.312	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.107	.107	0	%100
50	M49	Z	-.185	-.185	0	%100
51	M50	X	.246	.246	0	%100
52	M50	Z	-.426	-.426	0	%100
53	M51	X	.246	.246	0	%100
54	M51	Z	-.426	-.426	0	%100
55	M52	X	.54	.54	0	%100
56	M52	Z	-.935	-.935	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	.3	.3	0	%100
60	M56	Z	-.519	-.519	0	%100
61	M60	X	.18	.18	0	%100
62	M60	Z	-.312	-.312	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.18	.18	0	%100
68	M65	Z	-.312	-.312	0	%100
69	M66	X	.55	.55	0	%100
70	M66	Z	-.952	-.952	0	%100
71	M68	X	.579	.579	0	%100
72	M68	Z	-1.003	-1.003	0	%100
73	M73	X	.315	.315	0	%100
74	M73	Z	-.545	-.545	0	%100
75	M74	X	.315	.315	0	%100
76	M74	Z	-.545	-.545	0	%100
77	M75	X	0	0	0	%100
78	M75	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,%]
79	MP1A	X	.285	.285	0	%100
80	MP1A	Z	-.493	-.493	0	%100
81	MP2A	X	.285	.285	0	%100
82	MP2A	Z	-.493	-.493	0	%100
83	MP3A	X	.285	.285	0	%100
84	MP3A	Z	-.493	-.493	0	%100
85	MP4A	X	.285	.285	0	%100
86	MP4A	Z	-.493	-.493	0	%100
87	MP1C	X	.285	.285	0	%100
88	MP1C	Z	-.493	-.493	0	%100
89	MP2C	X	.285	.285	0	%100
90	MP2C	Z	-.493	-.493	0	%100
91	MP1B	X	.285	.285	0	%100
92	MP1B	Z	-.493	-.493	0	%100
93	MP2B	X	.285	.285	0	%100
94	MP2B	Z	-.493	-.493	0	%100
95	OVP	X	.26	.26	0	%100
96	OVP	Z	-.45	-.45	0	%100
97	M102	X	.259	.259	0	%100
98	M102	Z	-.448	-.448	0	%100
99	M103	X	.259	.259	0	%100
100	M103	Z	-.448	-.448	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	.346	.346	0	%100
104	M123	Z	-.599	-.599	0	%100
105	M124	X	.002	.002	0	%100
106	M124	Z	-.003	-.003	0	%100
107	M125	X	.296	.296	0	%100
108	M125	Z	-.513	-.513	0	%100
109	M126	X	.385	.385	0	%100
110	M126	Z	-.668	-.668	0	%100
111	M127	X	.392	.392	0	%100
112	M127	Z	-.679	-.679	0	%100
113	M128	X	.55	.55	0	%100
114	M128	Z	-.952	-.952	0	%100
115	MP3C	X	.285	.285	0	%100
116	MP3C	Z	-.493	-.493	0	%100
117	MP4C	X	.285	.285	0	%100
118	MP4C	Z	-.493	-.493	0	%100
119	MP3B	X	.285	.285	0	%100
120	MP3B	Z	-.493	-.493	0	%100
121	MP4B	X	.285	.285	0	%100
122	MP4B	Z	-.493	-.493	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	.554	.554	0	%100
2	M1	Z	-.32	-.32	0	%100
3	M2	X	.142	.142	0	%100
4	M2	Z	-.082	-.082	0	%100
5	M3	X	.142	.142	0	%100
6	M3	Z	-.082	-.082	0	%100
7	M4	X	.312	.312	0	%100
8	M4	Z	-.18	-.18	0	%100
9	M7	X	.173	.173	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,%]
10	M7	Z	-.1	-.1	0	%100
11	M8	X	.692	.692	0	%100
12	M8	Z	-.4	-.4	0	%100
13	M12	X	.935	.935	0	%100
14	M12	Z	-.54	-.54	0	%100
15	M13	X	.317	.317	0	%100
16	M13	Z	-.183	-.183	0	%100
17	M15	X	.334	.334	0	%100
18	M15	Z	-.193	-.193	0	%100
19	M17	X	.935	.935	0	%100
20	M17	Z	-.54	-.54	0	%100
21	M18	X	1.269	1.269	0	%100
22	M18	Z	-.733	-.733	0	%100
23	M20	X	1.337	1.337	0	%100
24	M20	Z	-.772	-.772	0	%100
25	M25	X	.554	.554	0	%100
26	M25	Z	-.32	-.32	0	%100
27	M26	X	.142	.142	0	%100
28	M26	Z	-.082	-.082	0	%100
29	M27	X	.142	.142	0	%100
30	M27	Z	-.082	-.082	0	%100
31	M28	X	.312	.312	0	%100
32	M28	Z	-.18	-.18	0	%100
33	M31	X	.692	.692	0	%100
34	M31	Z	-.4	-.4	0	%100
35	M32	X	.173	.173	0	%100
36	M32	Z	-.1	-.1	0	%100
37	M36	X	.935	.935	0	%100
38	M36	Z	-.54	-.54	0	%100
39	M37	X	1.269	1.269	0	%100
40	M37	Z	-.733	-.733	0	%100
41	M39	X	1.337	1.337	0	%100
42	M39	Z	-.772	-.772	0	%100
43	M41	X	.935	.935	0	%100
44	M41	Z	-.54	-.54	0	%100
45	M42	X	.317	.317	0	%100
46	M42	Z	-.183	-.183	0	%100
47	M44	X	.334	.334	0	%100
48	M44	Z	-.193	-.193	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	.568	.568	0	%100
52	M50	Z	-.328	-.328	0	%100
53	M51	X	.568	.568	0	%100
54	M51	Z	-.328	-.328	0	%100
55	M52	X	1.246	1.246	0	%100
56	M52	Z	-.719	-.719	0	%100
57	M55	X	.173	.173	0	%100
58	M55	Z	-.1	-.1	0	%100
59	M56	X	.173	.173	0	%100
60	M56	Z	-.1	-.1	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.317	.317	0	%100
64	M61	Z	-.183	-.183	0	%100
65	M63	X	.334	.334	0	%100
66	M63	Z	-.193	-.193	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,%]
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.317	.317	0	%100
70	M66	Z	-.183	-.183	0	%100
71	M68	X	.334	.334	0	%100
72	M68	Z	-.193	-.193	0	%100
73	M73	X	.182	.182	0	%100
74	M73	Z	-.105	-.105	0	%100
75	M74	X	.727	.727	0	%100
76	M74	Z	-.42	-.42	0	%100
77	M75	X	.182	.182	0	%100
78	M75	Z	-.105	-.105	0	%100
79	MP1A	X	.493	.493	0	%100
80	MP1A	Z	-.285	-.285	0	%100
81	MP2A	X	.493	.493	0	%100
82	MP2A	Z	-.285	-.285	0	%100
83	MP3A	X	.493	.493	0	%100
84	MP3A	Z	-.285	-.285	0	%100
85	MP4A	X	.493	.493	0	%100
86	MP4A	Z	-.285	-.285	0	%100
87	MP1C	X	.493	.493	0	%100
88	MP1C	Z	-.285	-.285	0	%100
89	MP2C	X	.493	.493	0	%100
90	MP2C	Z	-.285	-.285	0	%100
91	MP1B	X	.493	.493	0	%100
92	MP1B	Z	-.285	-.285	0	%100
93	MP2B	X	.493	.493	0	%100
94	MP2B	Z	-.285	-.285	0	%100
95	OVP	X	.45	.45	0	%100
96	OVP	Z	-.26	-.26	0	%100
97	M102	X	.149	.149	0	%100
98	M102	Z	-.086	-.086	0	%100
99	M103	X	.597	.597	0	%100
100	M103	Z	-.345	-.345	0	%100
101	M104	X	.149	.149	0	%100
102	M104	Z	-.086	-.086	0	%100
103	M123	X	.741	.741	0	%100
104	M123	Z	-.428	-.428	0	%100
105	M124	X	.231	.231	0	%100
106	M124	Z	-.133	-.133	0	%100
107	M125	X	.145	.145	0	%100
108	M125	Z	-.083	-.083	0	%100
109	M126	X	.861	.861	0	%100
110	M126	Z	-.497	-.497	0	%100
111	M127	X	.588	.588	0	%100
112	M127	Z	-.34	-.34	0	%100
113	M128	X	.861	.861	0	%100
114	M128	Z	-.497	-.497	0	%100
115	MP3C	X	.493	.493	0	%100
116	MP3C	Z	-.285	-.285	0	%100
117	MP4C	X	.493	.493	0	%100
118	MP4C	Z	-.285	-.285	0	%100
119	MP3B	X	.493	.493	0	%100
120	MP3B	Z	-.285	-.285	0	%100
121	MP4B	X	.493	.493	0	%100
122	MP4B	Z	-.285	-.285	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	.213	.213	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.492	.492	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.492	.492	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.079	1.079	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M8	X	.599	.599	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	.36	.36	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	.36	.36	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	1.099	1.099	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	1.158	1.158	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	.853	.853	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.599	.599	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.599	.599	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	1.439	1.439	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.099	1.099	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	1.158	1.158	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	1.439	1.439	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	1.099	1.099	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	1.158	1.158	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.213	.213	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	.492	.492	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	.492	.492	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	1.079	1.079	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	.599	.599	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M55	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.36	.36	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	1.099	1.099	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	1.158	1.158	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.36	.36	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.63	.63	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.63	.63	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.57	.57	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.57	.57	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.57	.57	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.57	.57	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	.57	.57	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	.57	.57	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1B	X	.57	.57	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	.57	.57	0	%100
94	MP2B	Z	0	0	0	%100
95	OVP	X	.519	.519	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M103	X	.517	.517	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	.517	.517	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	.593	.593	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	.692	.692	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	.004	.004	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	1.106	1.106	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	.784	.784	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	.784	.784	0	%100
114	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	MP3C	X	.57	.57	0	%100
116	MP3C	Z	0	0	0	%100
117	MP4C	X	.57	.57	0	%100
118	MP4C	Z	0	0	0	%100
119	MP3B	X	.57	.57	0	%100
120	MP3B	Z	0	0	0	%100
121	MP4B	X	.57	.57	0	%100
122	MP4B	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.568	.568	0	%100
4	M2	Z	.328	.328	0	%100
5	M3	X	.568	.568	0	%100
6	M3	Z	.328	.328	0	%100
7	M4	X	1.246	1.246	0	%100
8	M4	Z	.719	.719	0	%100
9	M7	X	.173	.173	0	%100
10	M7	Z	.1	.1	0	%100
11	M8	X	.173	.173	0	%100
12	M8	Z	.1	.1	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	.317	.317	0	%100
16	M13	Z	.183	.183	0	%100
17	M15	X	.334	.334	0	%100
18	M15	Z	.193	.193	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	.317	.317	0	%100
22	M18	Z	.183	.183	0	%100
23	M20	X	.334	.334	0	%100
24	M20	Z	.193	.193	0	%100
25	M25	X	.554	.554	0	%100
26	M25	Z	.32	.32	0	%100
27	M26	X	.142	.142	0	%100
28	M26	Z	.082	.082	0	%100
29	M27	X	.142	.142	0	%100
30	M27	Z	.082	.082	0	%100
31	M28	X	.312	.312	0	%100
32	M28	Z	.18	.18	0	%100
33	M31	X	.173	.173	0	%100
34	M31	Z	.1	.1	0	%100
35	M32	X	.692	.692	0	%100
36	M32	Z	.4	.4	0	%100
37	M36	X	.935	.935	0	%100
38	M36	Z	.54	.54	0	%100
39	M37	X	.317	.317	0	%100
40	M37	Z	.183	.183	0	%100
41	M39	X	.334	.334	0	%100
42	M39	Z	.193	.193	0	%100
43	M41	X	.935	.935	0	%100
44	M41	Z	.54	.54	0	%100
45	M42	X	1.269	1.269	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,%]
46	M42	Z	.733	.733	0	%100
47	M44	X	1.337	1.337	0	%100
48	M44	Z	.772	.772	0	%100
49	M49	X	.554	.554	0	%100
50	M49	Z	.32	.32	0	%100
51	M50	X	.142	.142	0	%100
52	M50	Z	.082	.082	0	%100
53	M51	X	.142	.142	0	%100
54	M51	Z	.082	.082	0	%100
55	M52	X	.312	.312	0	%100
56	M52	Z	.18	.18	0	%100
57	M55	X	.692	.692	0	%100
58	M55	Z	.4	.4	0	%100
59	M56	X	.173	.173	0	%100
60	M56	Z	.1	.1	0	%100
61	M60	X	.935	.935	0	%100
62	M60	Z	.54	.54	0	%100
63	M61	X	1.269	1.269	0	%100
64	M61	Z	.733	.733	0	%100
65	M63	X	1.337	1.337	0	%100
66	M63	Z	.772	.772	0	%100
67	M65	X	.935	.935	0	%100
68	M65	Z	.54	.54	0	%100
69	M66	X	.317	.317	0	%100
70	M66	Z	.183	.183	0	%100
71	M68	X	.334	.334	0	%100
72	M68	Z	.193	.193	0	%100
73	M73	X	.182	.182	0	%100
74	M73	Z	.105	.105	0	%100
75	M74	X	.182	.182	0	%100
76	M74	Z	.105	.105	0	%100
77	M75	X	.727	.727	0	%100
78	M75	Z	.42	.42	0	%100
79	MP1A	X	.493	.493	0	%100
80	MP1A	Z	.285	.285	0	%100
81	MP2A	X	.493	.493	0	%100
82	MP2A	Z	.285	.285	0	%100
83	MP3A	X	.493	.493	0	%100
84	MP3A	Z	.285	.285	0	%100
85	MP4A	X	.493	.493	0	%100
86	MP4A	Z	.285	.285	0	%100
87	MP1C	X	.493	.493	0	%100
88	MP1C	Z	.285	.285	0	%100
89	MP2C	X	.493	.493	0	%100
90	MP2C	Z	.285	.285	0	%100
91	MP1B	X	.493	.493	0	%100
92	MP1B	Z	.285	.285	0	%100
93	MP2B	X	.493	.493	0	%100
94	MP2B	Z	.285	.285	0	%100
95	OVP	X	.45	.45	0	%100
96	OVP	Z	.26	.26	0	%100
97	M102	X	.149	.149	0	%100
98	M102	Z	.086	.086	0	%100
99	M103	X	.149	.149	0	%100
100	M103	Z	.086	.086	0	%100
101	M104	X	.597	.597	0	%100
102	M104	Z	.345	.345	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,%]
103	M123	X	.145	.145	0	%100
104	M123	Z	.083	.083	0	%100
105	M124	X	.741	.741	0	%100
106	M124	Z	.428	.428	0	%100
107	M125	X	.231	.231	0	%100
108	M125	Z	.133	.133	0	%100
109	M126	X	.861	.861	0	%100
110	M126	Z	.497	.497	0	%100
111	M127	X	.861	.861	0	%100
112	M127	Z	.497	.497	0	%100
113	M128	X	.588	.588	0	%100
114	M128	Z	.34	.34	0	%100
115	MP3C	X	.493	.493	0	%100
116	MP3C	Z	.285	.285	0	%100
117	MP4C	X	.493	.493	0	%100
118	MP4C	Z	.285	.285	0	%100
119	MP3B	X	.493	.493	0	%100
120	MP3B	Z	.285	.285	0	%100
121	MP4B	X	.493	.493	0	%100
122	MP4B	Z	.285	.285	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	.107	.107	0	%100
2	M1	Z	.185	.185	0	%100
3	M2	X	.246	.246	0	%100
4	M2	Z	.426	.426	0	%100
5	M3	X	.246	.246	0	%100
6	M3	Z	.426	.426	0	%100
7	M4	X	.54	.54	0	%100
8	M4	Z	.935	.935	0	%100
9	M7	X	.3	.3	0	%100
10	M7	Z	.519	.519	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	.18	.18	0	%100
14	M12	Z	.312	.312	0	%100
15	M13	X	.55	.55	0	%100
16	M13	Z	.952	.952	0	%100
17	M15	X	.579	.579	0	%100
18	M15	Z	1.003	1.003	0	%100
19	M17	X	.18	.18	0	%100
20	M17	Z	.312	.312	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	.107	.107	0	%100
26	M25	Z	.185	.185	0	%100
27	M26	X	.246	.246	0	%100
28	M26	Z	.426	.426	0	%100
29	M27	X	.246	.246	0	%100
30	M27	Z	.426	.426	0	%100
31	M28	X	.54	.54	0	%100
32	M28	Z	.935	.935	0	%100
33	M31	X	0	0	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,%]
34	M31	Z	0	0	0	%100
35	M32	X	.3	.3	0	%100
36	M32	Z	.519	.519	0	%100
37	M36	X	.18	.18	0	%100
38	M36	Z	.312	.312	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.18	.18	0	%100
44	M41	Z	.312	.312	0	%100
45	M42	X	.55	.55	0	%100
46	M42	Z	.952	.952	0	%100
47	M44	X	.579	.579	0	%100
48	M44	Z	1.003	1.003	0	%100
49	M49	X	.426	.426	0	%100
50	M49	Z	.738	.738	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	.3	.3	0	%100
58	M55	Z	.519	.519	0	%100
59	M56	X	.3	.3	0	%100
60	M56	Z	.519	.519	0	%100
61	M60	X	.719	.719	0	%100
62	M60	Z	1.246	1.246	0	%100
63	M61	X	.55	.55	0	%100
64	M61	Z	.952	.952	0	%100
65	M63	X	.579	.579	0	%100
66	M63	Z	1.003	1.003	0	%100
67	M65	X	.719	.719	0	%100
68	M65	Z	1.246	1.246	0	%100
69	M66	X	.55	.55	0	%100
70	M66	Z	.952	.952	0	%100
71	M68	X	.579	.579	0	%100
72	M68	Z	1.003	1.003	0	%100
73	M73	X	.315	.315	0	%100
74	M73	Z	.545	.545	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.315	.315	0	%100
78	M75	Z	.545	.545	0	%100
79	MP1A	X	.285	.285	0	%100
80	MP1A	Z	.493	.493	0	%100
81	MP2A	X	.285	.285	0	%100
82	MP2A	Z	.493	.493	0	%100
83	MP3A	X	.285	.285	0	%100
84	MP3A	Z	.493	.493	0	%100
85	MP4A	X	.285	.285	0	%100
86	MP4A	Z	.493	.493	0	%100
87	MP1C	X	.285	.285	0	%100
88	MP1C	Z	.493	.493	0	%100
89	MP2C	X	.285	.285	0	%100
90	MP2C	Z	.493	.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP1B	X	.285	.285	0	%100
92	MP1B	Z	.493	.493	0	%100
93	MP2B	X	.285	.285	0	%100
94	MP2B	Z	.493	.493	0	%100
95	OVP	X	.26	.26	0	%100
96	OVP	Z	.45	.45	0	%100
97	M102	X	.259	.259	0	%100
98	M102	Z	.448	.448	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	.259	.259	0	%100
102	M104	Z	.448	.448	0	%100
103	M123	X	.002	.002	0	%100
104	M123	Z	.003	.003	0	%100
105	M124	X	.296	.296	0	%100
106	M124	Z	.513	.513	0	%100
107	M125	X	.346	.346	0	%100
108	M125	Z	.599	.599	0	%100
109	M126	X	.385	.385	0	%100
110	M126	Z	.668	.668	0	%100
111	M127	X	.55	.55	0	%100
112	M127	Z	.952	.952	0	%100
113	M128	X	.392	.392	0	%100
114	M128	Z	.679	.679	0	%100
115	MP3C	X	.285	.285	0	%100
116	MP3C	Z	.493	.493	0	%100
117	MP4C	X	.285	.285	0	%100
118	MP4C	Z	.493	.493	0	%100
119	MP3B	X	.285	.285	0	%100
120	MP3B	Z	.493	.493	0	%100
121	MP4B	X	.285	.285	0	%100
122	MP4B	Z	.493	.493	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	.639	.639	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.164	.164	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.164	.164	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.36	.36	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	.799	.799	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	.2	.2	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	1.079	1.079	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	1.466	1.466	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	1.544	1.544	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	1.079	1.079	0	%100
21	M18	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,%]
22	M18	Z	.366	.366	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	.386	.386	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.656	.656	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.656	.656	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.439	1.439	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.2	.2	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.2	.2	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.366	.366	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.386	.386	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	.366	.366	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	.386	.386	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.639	.639	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	.164	.164	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	.164	.164	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	.36	.36	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	.2	.2	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.799	.799	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	1.079	1.079	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.366	.366	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	.386	.386	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	1.079	1.079	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	1.466	1.466	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	1.544	1.544	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.839	.839	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.21	.21	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.21	.21	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.57	.57	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.57	.57	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.57	.57	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.57	.57	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	.57	.57	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.57	.57	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	.57	.57	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	.57	.57	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	.519	.519	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	.69	.69	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	.172	.172	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	.172	.172	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	.266	.266	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	.167	.167	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	.855	.855	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	.659	.659	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	.994	.994	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	.994	.994	0	%100
115	MP3C	X	0	0	0	%100
116	MP3C	Z	.57	.57	0	%100
117	MP4C	X	0	0	0	%100
118	MP4C	Z	.57	.57	0	%100
119	MP3B	X	0	0	0	%100
120	MP3B	Z	.57	.57	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	.57	.57	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	-.426	-.426	0	%100
2	M1	Z	.738	.738	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	-.3	-.3	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,%]
10	M7	Z	.519	.519	0	%100
11	M8	X	-.3	-.3	0	%100
12	M8	Z	.519	.519	0	%100
13	M12	X	-.719	-.719	0	%100
14	M12	Z	1.246	1.246	0	%100
15	M13	X	-.55	-.55	0	%100
16	M13	Z	.952	.952	0	%100
17	M15	X	-.579	-.579	0	%100
18	M15	Z	1.003	1.003	0	%100
19	M17	X	-.719	-.719	0	%100
20	M17	Z	1.246	1.246	0	%100
21	M18	X	-.55	-.55	0	%100
22	M18	Z	.952	.952	0	%100
23	M20	X	-.579	-.579	0	%100
24	M20	Z	1.003	1.003	0	%100
25	M25	X	-.107	-.107	0	%100
26	M25	Z	.185	.185	0	%100
27	M26	X	-.246	-.246	0	%100
28	M26	Z	.426	.426	0	%100
29	M27	X	-.246	-.246	0	%100
30	M27	Z	.426	.426	0	%100
31	M28	X	-.54	-.54	0	%100
32	M28	Z	.935	.935	0	%100
33	M31	X	-.3	-.3	0	%100
34	M31	Z	.519	.519	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.18	-.18	0	%100
38	M36	Z	.312	.312	0	%100
39	M37	X	-.55	-.55	0	%100
40	M37	Z	.952	.952	0	%100
41	M39	X	-.579	-.579	0	%100
42	M39	Z	1.003	1.003	0	%100
43	M41	X	-.18	-.18	0	%100
44	M41	Z	.312	.312	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.107	-.107	0	%100
50	M49	Z	.185	.185	0	%100
51	M50	X	-.246	-.246	0	%100
52	M50	Z	.426	.426	0	%100
53	M51	X	-.246	-.246	0	%100
54	M51	Z	.426	.426	0	%100
55	M52	X	-.54	-.54	0	%100
56	M52	Z	.935	.935	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-.3	-.3	0	%100
60	M56	Z	.519	.519	0	%100
61	M60	X	-.18	-.18	0	%100
62	M60	Z	.312	.312	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	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,%]
67	M65	X	-.18	-.18	0	%100
68	M65	Z	.312	.312	0	%100
69	M66	X	-.55	-.55	0	%100
70	M66	Z	.952	.952	0	%100
71	M68	X	-.579	-.579	0	%100
72	M68	Z	1.003	1.003	0	%100
73	M73	X	-.315	-.315	0	%100
74	M73	Z	.545	.545	0	%100
75	M74	X	-.315	-.315	0	%100
76	M74	Z	.545	.545	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.285	-.285	0	%100
80	MP1A	Z	.493	.493	0	%100
81	MP2A	X	-.285	-.285	0	%100
82	MP2A	Z	.493	.493	0	%100
83	MP3A	X	-.285	-.285	0	%100
84	MP3A	Z	.493	.493	0	%100
85	MP4A	X	-.285	-.285	0	%100
86	MP4A	Z	.493	.493	0	%100
87	MP1C	X	-.285	-.285	0	%100
88	MP1C	Z	.493	.493	0	%100
89	MP2C	X	-.285	-.285	0	%100
90	MP2C	Z	.493	.493	0	%100
91	MP1B	X	-.285	-.285	0	%100
92	MP1B	Z	.493	.493	0	%100
93	MP2B	X	-.285	-.285	0	%100
94	MP2B	Z	.493	.493	0	%100
95	OVP	X	-.26	-.26	0	%100
96	OVP	Z	.45	.45	0	%100
97	M102	X	-.259	-.259	0	%100
98	M102	Z	.448	.448	0	%100
99	M103	X	-.259	-.259	0	%100
100	M103	Z	.448	.448	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M123	X	-.346	-.346	0	%100
104	M123	Z	.599	.599	0	%100
105	M124	X	-.002	-.002	0	%100
106	M124	Z	.003	.003	0	%100
107	M125	X	-.296	-.296	0	%100
108	M125	Z	.513	.513	0	%100
109	M126	X	-.385	-.385	0	%100
110	M126	Z	.668	.668	0	%100
111	M127	X	-.392	-.392	0	%100
112	M127	Z	.679	.679	0	%100
113	M128	X	-.55	-.55	0	%100
114	M128	Z	.952	.952	0	%100
115	MP3C	X	-.285	-.285	0	%100
116	MP3C	Z	.493	.493	0	%100
117	MP4C	X	-.285	-.285	0	%100
118	MP4C	Z	.493	.493	0	%100
119	MP3B	X	-.285	-.285	0	%100
120	MP3B	Z	.493	.493	0	%100
121	MP4B	X	-.285	-.285	0	%100
122	MP4B	Z	.493	.493	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	-.554	-.554	0	%100
2	M1	Z	.32	.32	0	%100
3	M2	X	-.142	-.142	0	%100
4	M2	Z	.082	.082	0	%100
5	M3	X	-.142	-.142	0	%100
6	M3	Z	.082	.082	0	%100
7	M4	X	-.312	-.312	0	%100
8	M4	Z	.18	.18	0	%100
9	M7	X	-.173	-.173	0	%100
10	M7	Z	.1	.1	0	%100
11	M8	X	-.692	-.692	0	%100
12	M8	Z	.4	.4	0	%100
13	M12	X	-.935	-.935	0	%100
14	M12	Z	.54	.54	0	%100
15	M13	X	-.317	-.317	0	%100
16	M13	Z	.183	.183	0	%100
17	M15	X	-.334	-.334	0	%100
18	M15	Z	.193	.193	0	%100
19	M17	X	-.935	-.935	0	%100
20	M17	Z	.54	.54	0	%100
21	M18	X	-1.269	-1.269	0	%100
22	M18	Z	.733	.733	0	%100
23	M20	X	-1.337	-1.337	0	%100
24	M20	Z	.772	.772	0	%100
25	M25	X	-.554	-.554	0	%100
26	M25	Z	.32	.32	0	%100
27	M26	X	-.142	-.142	0	%100
28	M26	Z	.082	.082	0	%100
29	M27	X	-.142	-.142	0	%100
30	M27	Z	.082	.082	0	%100
31	M28	X	-.312	-.312	0	%100
32	M28	Z	.18	.18	0	%100
33	M31	X	-.692	-.692	0	%100
34	M31	Z	.4	.4	0	%100
35	M32	X	-.173	-.173	0	%100
36	M32	Z	.1	.1	0	%100
37	M36	X	-.935	-.935	0	%100
38	M36	Z	.54	.54	0	%100
39	M37	X	-1.269	-1.269	0	%100
40	M37	Z	.733	.733	0	%100
41	M39	X	-1.337	-1.337	0	%100
42	M39	Z	.772	.772	0	%100
43	M41	X	-.935	-.935	0	%100
44	M41	Z	.54	.54	0	%100
45	M42	X	-.317	-.317	0	%100
46	M42	Z	.183	.183	0	%100
47	M44	X	-.334	-.334	0	%100
48	M44	Z	.193	.193	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-.568	-.568	0	%100
52	M50	Z	.328	.328	0	%100
53	M51	X	-.568	-.568	0	%100
54	M51	Z	.328	.328	0	%100
55	M52	X	-1.246	-1.246	0	%100
56	M52	Z	.719	.719	0	%100
57	M55	X	-.173	-.173	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,%]
58	M55	Z	.1	.1	0	%100
59	M56	X	-.173	-.173	0	%100
60	M56	Z	.1	.1	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.317	-.317	0	%100
64	M61	Z	.183	.183	0	%100
65	M63	X	-.334	-.334	0	%100
66	M63	Z	.193	.193	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.317	-.317	0	%100
70	M66	Z	.183	.183	0	%100
71	M68	X	-.334	-.334	0	%100
72	M68	Z	.193	.193	0	%100
73	M73	X	-.182	-.182	0	%100
74	M73	Z	.105	.105	0	%100
75	M74	X	-.727	-.727	0	%100
76	M74	Z	.42	.42	0	%100
77	M75	X	-.182	-.182	0	%100
78	M75	Z	.105	.105	0	%100
79	MP1A	X	-.493	-.493	0	%100
80	MP1A	Z	.285	.285	0	%100
81	MP2A	X	-.493	-.493	0	%100
82	MP2A	Z	.285	.285	0	%100
83	MP3A	X	-.493	-.493	0	%100
84	MP3A	Z	.285	.285	0	%100
85	MP4A	X	-.493	-.493	0	%100
86	MP4A	Z	.285	.285	0	%100
87	MP1C	X	-.493	-.493	0	%100
88	MP1C	Z	.285	.285	0	%100
89	MP2C	X	-.493	-.493	0	%100
90	MP2C	Z	.285	.285	0	%100
91	MP1B	X	-.493	-.493	0	%100
92	MP1B	Z	.285	.285	0	%100
93	MP2B	X	-.493	-.493	0	%100
94	MP2B	Z	.285	.285	0	%100
95	OVP	X	-.45	-.45	0	%100
96	OVP	Z	.26	.26	0	%100
97	M102	X	-.149	-.149	0	%100
98	M102	Z	.086	.086	0	%100
99	M103	X	-.597	-.597	0	%100
100	M103	Z	.345	.345	0	%100
101	M104	X	-.149	-.149	0	%100
102	M104	Z	.086	.086	0	%100
103	M123	X	-.741	-.741	0	%100
104	M123	Z	.428	.428	0	%100
105	M124	X	-.231	-.231	0	%100
106	M124	Z	.133	.133	0	%100
107	M125	X	-.145	-.145	0	%100
108	M125	Z	.083	.083	0	%100
109	M126	X	-.861	-.861	0	%100
110	M126	Z	.497	.497	0	%100
111	M127	X	-.588	-.588	0	%100
112	M127	Z	.34	.34	0	%100
113	M128	X	-.861	-.861	0	%100
114	M128	Z	.497	.497	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	MP3C	X	-.493	-.493	0	%100
116	MP3C	Z	.285	.285	0	%100
117	MP4C	X	-.493	-.493	0	%100
118	MP4C	Z	.285	.285	0	%100
119	MP3B	X	-.493	-.493	0	%100
120	MP3B	Z	.285	.285	0	%100
121	MP4B	X	-.493	-.493	0	%100
122	MP4B	Z	.285	.285	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	-.213	-.213	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.492	-.492	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.492	-.492	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.079	-1.079	0	%100
8	M4	Z	0	0	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M8	X	-.599	-.599	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	-.36	-.36	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	-.36	-.36	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	-1.099	-1.099	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	-1.158	-1.158	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	-.853	-.853	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.599	-.599	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.599	-.599	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-1.439	-1.439	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.099	-1.099	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-1.158	-1.158	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-1.439	-1.439	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-1.099	-1.099	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,%]
46	M42	Z	0	0	0	%100
47	M44	X	-1.158	-1.158	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.213	-.213	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-.492	-.492	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	-.492	-.492	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	-1.079	-1.079	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-.599	-.599	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.36	-.36	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-1.099	-1.099	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	-1.158	-1.158	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.36	-.36	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.63	-.63	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.63	-.63	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.57	-.57	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.57	-.57	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.57	-.57	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-.57	-.57	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-.57	-.57	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-.57	-.57	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1B	X	-.57	-.57	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	-.57	-.57	0	%100
94	MP2B	Z	0	0	0	%100
95	OVP	X	-.519	-.519	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M103	X	-.517	-.517	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-.517	-.517	0	%100
102	M104	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,%]
103	M123	X	-.593	-.593	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-.692	-.692	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-.004	-.004	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-1.106	-1.106	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	-.784	-.784	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	-.784	-.784	0	%100
114	M128	Z	0	0	0	%100
115	MP3C	X	-.57	-.57	0	%100
116	MP3C	Z	0	0	0	%100
117	MP4C	X	-.57	-.57	0	%100
118	MP4C	Z	0	0	0	%100
119	MP3B	X	-.57	-.57	0	%100
120	MP3B	Z	0	0	0	%100
121	MP4B	X	-.57	-.57	0	%100
122	MP4B	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.568	-.568	0	%100
4	M2	Z	-.328	-.328	0	%100
5	M3	X	-.568	-.568	0	%100
6	M3	Z	-.328	-.328	0	%100
7	M4	X	-1.246	-1.246	0	%100
8	M4	Z	-.719	-.719	0	%100
9	M7	X	-.173	-.173	0	%100
10	M7	Z	-.1	-.1	0	%100
11	M8	X	-.173	-.173	0	%100
12	M8	Z	-.1	-.1	0	%100
13	M12	X	0	0	0	%100
14	M12	Z	0	0	0	%100
15	M13	X	-.317	-.317	0	%100
16	M13	Z	-.183	-.183	0	%100
17	M15	X	-.334	-.334	0	%100
18	M15	Z	-.193	-.193	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M18	X	-.317	-.317	0	%100
22	M18	Z	-.183	-.183	0	%100
23	M20	X	-.334	-.334	0	%100
24	M20	Z	-.193	-.193	0	%100
25	M25	X	-.554	-.554	0	%100
26	M25	Z	-.32	-.32	0	%100
27	M26	X	-.142	-.142	0	%100
28	M26	Z	-.082	-.082	0	%100
29	M27	X	-.142	-.142	0	%100
30	M27	Z	-.082	-.082	0	%100
31	M28	X	-.312	-.312	0	%100
32	M28	Z	-.18	-.18	0	%100
33	M31	X	-.173	-.173	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,%]
34	M31	Z	-.1	-.1	0	%100
35	M32	X	-.692	-.692	0	%100
36	M32	Z	-.4	-.4	0	%100
37	M36	X	-.935	-.935	0	%100
38	M36	Z	-.54	-.54	0	%100
39	M37	X	-.317	-.317	0	%100
40	M37	Z	-.183	-.183	0	%100
41	M39	X	-.334	-.334	0	%100
42	M39	Z	-.193	-.193	0	%100
43	M41	X	-.935	-.935	0	%100
44	M41	Z	-.54	-.54	0	%100
45	M42	X	-1.269	-1.269	0	%100
46	M42	Z	-.733	-.733	0	%100
47	M44	X	-1.337	-1.337	0	%100
48	M44	Z	-.772	-.772	0	%100
49	M49	X	-.554	-.554	0	%100
50	M49	Z	-.32	-.32	0	%100
51	M50	X	-.142	-.142	0	%100
52	M50	Z	-.082	-.082	0	%100
53	M51	X	-.142	-.142	0	%100
54	M51	Z	-.082	-.082	0	%100
55	M52	X	-.312	-.312	0	%100
56	M52	Z	-.18	-.18	0	%100
57	M55	X	-.692	-.692	0	%100
58	M55	Z	-.4	-.4	0	%100
59	M56	X	-.173	-.173	0	%100
60	M56	Z	-.1	-.1	0	%100
61	M60	X	-.935	-.935	0	%100
62	M60	Z	-.54	-.54	0	%100
63	M61	X	-1.269	-1.269	0	%100
64	M61	Z	-.733	-.733	0	%100
65	M63	X	-1.337	-1.337	0	%100
66	M63	Z	-.772	-.772	0	%100
67	M65	X	-.935	-.935	0	%100
68	M65	Z	-.54	-.54	0	%100
69	M66	X	-.317	-.317	0	%100
70	M66	Z	-.183	-.183	0	%100
71	M68	X	-.334	-.334	0	%100
72	M68	Z	-.193	-.193	0	%100
73	M73	X	-.182	-.182	0	%100
74	M73	Z	-.105	-.105	0	%100
75	M74	X	-.182	-.182	0	%100
76	M74	Z	-.105	-.105	0	%100
77	M75	X	-.727	-.727	0	%100
78	M75	Z	-.42	-.42	0	%100
79	MP1A	X	-.493	-.493	0	%100
80	MP1A	Z	-.285	-.285	0	%100
81	MP2A	X	-.493	-.493	0	%100
82	MP2A	Z	-.285	-.285	0	%100
83	MP3A	X	-.493	-.493	0	%100
84	MP3A	Z	-.285	-.285	0	%100
85	MP4A	X	-.493	-.493	0	%100
86	MP4A	Z	-.285	-.285	0	%100
87	MP1C	X	-.493	-.493	0	%100
88	MP1C	Z	-.285	-.285	0	%100
89	MP2C	X	-.493	-.493	0	%100
90	MP2C	Z	-.285	-.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP1B	X	-.493	-.493	0	%100
92	MP1B	Z	-.285	-.285	0	%100
93	MP2B	X	-.493	-.493	0	%100
94	MP2B	Z	-.285	-.285	0	%100
95	OVP	X	-.45	-.45	0	%100
96	OVP	Z	-.26	-.26	0	%100
97	M102	X	-.149	-.149	0	%100
98	M102	Z	-.086	-.086	0	%100
99	M103	X	-.149	-.149	0	%100
100	M103	Z	-.086	-.086	0	%100
101	M104	X	-.597	-.597	0	%100
102	M104	Z	-.345	-.345	0	%100
103	M123	X	-.145	-.145	0	%100
104	M123	Z	-.083	-.083	0	%100
105	M124	X	-.741	-.741	0	%100
106	M124	Z	-.428	-.428	0	%100
107	M125	X	-.231	-.231	0	%100
108	M125	Z	-.133	-.133	0	%100
109	M126	X	-.861	-.861	0	%100
110	M126	Z	-.497	-.497	0	%100
111	M127	X	-.861	-.861	0	%100
112	M127	Z	-.497	-.497	0	%100
113	M128	X	-.588	-.588	0	%100
114	M128	Z	-.34	-.34	0	%100
115	MP3C	X	-.493	-.493	0	%100
116	MP3C	Z	-.285	-.285	0	%100
117	MP4C	X	-.493	-.493	0	%100
118	MP4C	Z	-.285	-.285	0	%100
119	MP3B	X	-.493	-.493	0	%100
120	MP3B	Z	-.285	-.285	0	%100
121	MP4B	X	-.493	-.493	0	%100
122	MP4B	Z	-.285	-.285	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	-.107	-.107	0	%100
2	M1	Z	-.185	-.185	0	%100
3	M2	X	-.246	-.246	0	%100
4	M2	Z	-.426	-.426	0	%100
5	M3	X	-.246	-.246	0	%100
6	M3	Z	-.426	-.426	0	%100
7	M4	X	-.54	-.54	0	%100
8	M4	Z	-.935	-.935	0	%100
9	M7	X	-.3	-.3	0	%100
10	M7	Z	-.519	-.519	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M12	X	-.18	-.18	0	%100
14	M12	Z	-.312	-.312	0	%100
15	M13	X	-.55	-.55	0	%100
16	M13	Z	-.952	-.952	0	%100
17	M15	X	-.579	-.579	0	%100
18	M15	Z	-1.003	-1.003	0	%100
19	M17	X	-.18	-.18	0	%100
20	M17	Z	-.312	-.312	0	%100
21	M18	X	0	0	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,%]
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M25	X	-.107	-.107	0	%100
26	M25	Z	-.185	-.185	0	%100
27	M26	X	-.246	-.246	0	%100
28	M26	Z	-.426	-.426	0	%100
29	M27	X	-.246	-.246	0	%100
30	M27	Z	-.426	-.426	0	%100
31	M28	X	-.54	-.54	0	%100
32	M28	Z	-.935	-.935	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.3	-.3	0	%100
36	M32	Z	-.519	-.519	0	%100
37	M36	X	-.18	-.18	0	%100
38	M36	Z	-.312	-.312	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.18	-.18	0	%100
44	M41	Z	-.312	-.312	0	%100
45	M42	X	-.55	-.55	0	%100
46	M42	Z	-.952	-.952	0	%100
47	M44	X	-.579	-.579	0	%100
48	M44	Z	-1.003	-1.003	0	%100
49	M49	X	-.426	-.426	0	%100
50	M49	Z	-.738	-.738	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-.3	-.3	0	%100
58	M55	Z	-.519	-.519	0	%100
59	M56	X	-.3	-.3	0	%100
60	M56	Z	-.519	-.519	0	%100
61	M60	X	-.719	-.719	0	%100
62	M60	Z	-1.246	-1.246	0	%100
63	M61	X	-.55	-.55	0	%100
64	M61	Z	-.952	-.952	0	%100
65	M63	X	-.579	-.579	0	%100
66	M63	Z	-1.003	-1.003	0	%100
67	M65	X	-.719	-.719	0	%100
68	M65	Z	-1.246	-1.246	0	%100
69	M66	X	-.55	-.55	0	%100
70	M66	Z	-.952	-.952	0	%100
71	M68	X	-.579	-.579	0	%100
72	M68	Z	-1.003	-1.003	0	%100
73	M73	X	-.315	-.315	0	%100
74	M73	Z	-.545	-.545	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.315	-.315	0	%100
78	M75	Z	-.545	-.545	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	-.285	-.285	0	%100
80	MP1A	Z	-.493	-.493	0	%100
81	MP2A	X	-.285	-.285	0	%100
82	MP2A	Z	-.493	-.493	0	%100
83	MP3A	X	-.285	-.285	0	%100
84	MP3A	Z	-.493	-.493	0	%100
85	MP4A	X	-.285	-.285	0	%100
86	MP4A	Z	-.493	-.493	0	%100
87	MP1C	X	-.285	-.285	0	%100
88	MP1C	Z	-.493	-.493	0	%100
89	MP2C	X	-.285	-.285	0	%100
90	MP2C	Z	-.493	-.493	0	%100
91	MP1B	X	-.285	-.285	0	%100
92	MP1B	Z	-.493	-.493	0	%100
93	MP2B	X	-.285	-.285	0	%100
94	MP2B	Z	-.493	-.493	0	%100
95	OVP	X	-.26	-.26	0	%100
96	OVP	Z	-.45	-.45	0	%100
97	M102	X	-.259	-.259	0	%100
98	M102	Z	-.448	-.448	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-.259	-.259	0	%100
102	M104	Z	-.448	-.448	0	%100
103	M123	X	-.002	-.002	0	%100
104	M123	Z	-.003	-.003	0	%100
105	M124	X	-.296	-.296	0	%100
106	M124	Z	-.513	-.513	0	%100
107	M125	X	-.346	-.346	0	%100
108	M125	Z	-.599	-.599	0	%100
109	M126	X	-.385	-.385	0	%100
110	M126	Z	-.668	-.668	0	%100
111	M127	X	-.55	-.55	0	%100
112	M127	Z	-.952	-.952	0	%100
113	M128	X	-.392	-.392	0	%100
114	M128	Z	-.679	-.679	0	%100
115	MP3C	X	-.285	-.285	0	%100
116	MP3C	Z	-.493	-.493	0	%100
117	MP4C	X	-.285	-.285	0	%100
118	MP4C	Z	-.493	-.493	0	%100
119	MP3B	X	-.285	-.285	0	%100
120	MP3B	Z	-.493	-.493	0	%100
121	MP4B	X	-.285	-.285	0	%100
122	MP4B	Z	-.493	-.493	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	M55	Y	-1.881	-4.429	0	.832
2	M55	Y	-4.429	-7.041	.832	1.665
3	M55	Y	-7.041	-8.256	1.665	2.497
4	M55	Y	-8.256	-6.578	2.497	3.329
5	M55	Y	-6.578	-3.469	3.329	4.162
6	M56	Y	-3.463	-6.544	0	.832
7	M56	Y	-6.544	-8.189	.832	1.665
8	M56	Y	-8.189	-6.901	1.665	2.497
9	M56	Y	-6.901	-4.226	2.497	3.329

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M56	Y	-4.226	-1.665	3.329	4.162
11	M7	Y	-1.661	-4.228	0	.832
12	M7	Y	-4.228	-6.902	.832	1.665
13	M7	Y	-6.902	-8.189	1.665	2.497
14	M7	Y	-8.189	-6.545	2.497	3.329
15	M7	Y	-6.545	-3.463	3.329	4.162
16	M8	Y	-3.462	-6.573	0	.832
17	M8	Y	-6.573	-8.26	.832	1.665
18	M8	Y	-8.26	-7.044	1.665	2.497
19	M8	Y	-7.044	-4.426	2.497	3.329
20	M8	Y	-4.426	-1.884	3.329	4.162
21	M31	Y	-1.881	-4.429	0	.832
22	M31	Y	-4.429	-7.041	.832	1.665
23	M31	Y	-7.041	-8.256	1.665	2.497
24	M31	Y	-8.256	-6.578	2.497	3.329
25	M31	Y	-6.578	-3.469	3.329	4.162
26	M32	Y	-3.463	-6.544	0	.832
27	M32	Y	-6.544	-8.189	.832	1.665
28	M32	Y	-8.189	-6.901	1.665	2.497
29	M32	Y	-6.901	-4.226	2.497	3.329
30	M32	Y	-4.226	-1.665	3.329	4.162

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	M55	Y	-3.551	-8.362	0	.832
2	M55	Y	-8.362	-13.293	.832	1.665
3	M55	Y	-13.293	-15.585	1.665	2.497
4	M55	Y	-15.585	-12.418	2.497	3.329
5	M55	Y	-12.418	-6.55	3.329	4.162
6	M56	Y	-6.538	-12.353	0	.832
7	M56	Y	-12.353	-15.461	.832	1.665
8	M56	Y	-15.461	-13.028	1.665	2.497
9	M56	Y	-13.028	-7.978	2.497	3.329
10	M56	Y	-7.978	-3.144	3.329	4.162
11	M7	Y	-3.136	-7.983	0	.832
12	M7	Y	-7.983	-13.03	.832	1.665
13	M7	Y	-13.03	-15.459	1.665	2.497
14	M7	Y	-15.459	-12.355	2.497	3.329
15	M7	Y	-12.355	-6.538	3.329	4.162
16	M8	Y	-6.535	-12.41	0	.832
17	M8	Y	-12.41	-15.595	.832	1.665
18	M8	Y	-15.595	-13.299	1.665	2.497
19	M8	Y	-13.299	-8.356	2.497	3.329
20	M8	Y	-8.356	-3.558	3.329	4.162
21	M31	Y	-3.551	-8.362	0	.832
22	M31	Y	-8.362	-13.293	.832	1.665
23	M31	Y	-13.293	-15.585	1.665	2.497
24	M31	Y	-15.585	-12.418	2.497	3.329
25	M31	Y	-12.418	-6.55	3.329	4.162
26	M32	Y	-6.538	-12.353	0	.832
27	M32	Y	-12.353	-15.461	.832	1.665
28	M32	Y	-15.461	-13.028	1.665	2.497
29	M32	Y	-13.028	-7.978	2.497	3.329
30	M32	Y	-7.978	-3.144	3.329	4.162

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	M55	Y	-.08	-.189	0	.832
2	M55	Y	-.189	-.301	.832	1.665
3	M55	Y	-.301	-.352	1.665	2.497
4	M55	Y	-.352	-.281	2.497	3.329
5	M55	Y	-.281	-.148	3.329	4.162
6	M56	Y	-.148	-.279	0	.832
7	M56	Y	-.279	-.35	.832	1.665
8	M56	Y	-.35	-.295	1.665	2.497
9	M56	Y	-.295	-.18	2.497	3.329
10	M56	Y	-.18	-.071	3.329	4.162
11	M7	Y	-.071	-.181	0	.832
12	M7	Y	-.181	-.295	.832	1.665
13	M7	Y	-.295	-.35	1.665	2.497
14	M7	Y	-.35	-.279	2.497	3.329
15	M7	Y	-.279	-.148	3.329	4.162
16	M8	Y	-.148	-.281	0	.832
17	M8	Y	-.281	-.353	.832	1.665
18	M8	Y	-.353	-.301	1.665	2.497
19	M8	Y	-.301	-.189	2.497	3.329
20	M8	Y	-.189	-.08	3.329	4.162
21	M31	Y	-.08	-.189	0	.832
22	M31	Y	-.189	-.301	.832	1.665
23	M31	Y	-.301	-.352	1.665	2.497
24	M31	Y	-.352	-.281	2.497	3.329
25	M31	Y	-.281	-.148	3.329	4.162
26	M32	Y	-.148	-.279	0	.832
27	M32	Y	-.279	-.35	.832	1.665
28	M32	Y	-.35	-.295	1.665	2.497
29	M32	Y	-.295	-.18	2.497	3.329
30	M32	Y	-.18	-.071	3.329	4.162

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	M55	Z	-.201	-.473	0	.832
2	M55	Z	-.473	-.752	.832	1.665
3	M55	Z	-.752	-.881	1.665	2.497
4	M55	Z	-.881	-.702	2.497	3.329
5	M55	Z	-.702	-.37	3.329	4.162
6	M56	Z	-.37	-.698	0	.832
7	M56	Z	-.698	-.874	.832	1.665
8	M56	Z	-.874	-.737	1.665	2.497
9	M56	Z	-.737	-.451	2.497	3.329
10	M56	Z	-.451	-.178	3.329	4.162
11	M7	Z	-.177	-.451	0	.832
12	M7	Z	-.451	-.737	.832	1.665
13	M7	Z	-.737	-.874	1.665	2.497
14	M7	Z	-.874	-.699	2.497	3.329
15	M7	Z	-.699	-.37	3.329	4.162
16	M8	Z	-.369	-.702	0	.832
17	M8	Z	-.702	-.882	.832	1.665
18	M8	Z	-.882	-.752	1.665	2.497
19	M8	Z	-.752	-.472	2.497	3.329
20	M8	Z	-.472	-.201	3.329	4.162
21	M31	Z	-.201	-.473	0	.832
22	M31	Z	-.473	-.752	.832	1.665
23	M31	Z	-.752	-.881	1.665	2.497

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,%]
24	M31	Z	-.881	-.702	2.497	3.329
25	M31	Z	-.702	-.37	3.329	4.162
26	M32	Z	-.37	-.698	0	.832
27	M32	Z	-.698	-.874	.832	1.665
28	M32	Z	-.874	-.737	1.665	2.497
29	M32	Z	-.737	-.451	2.497	3.329
30	M32	Z	-.451	-.178	3.329	4.162

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	M55	X	.201	.473	0	.832
2	M55	X	.473	.752	.832	1.665
3	M55	X	.752	.881	1.665	2.497
4	M55	X	.881	.702	2.497	3.329
5	M55	X	.702	.37	3.329	4.162
6	M56	X	.37	.698	0	.832
7	M56	X	.698	.874	.832	1.665
8	M56	X	.874	.737	1.665	2.497
9	M56	X	.737	.451	2.497	3.329
10	M56	X	.451	.178	3.329	4.162
11	M7	X	.177	.451	0	.832
12	M7	X	.451	.737	.832	1.665
13	M7	X	.737	.874	1.665	2.497
14	M7	X	.874	.699	2.497	3.329
15	M7	X	.699	.37	3.329	4.162
16	M8	X	.369	.702	0	.832
17	M8	X	.702	.882	.832	1.665
18	M8	X	.882	.752	1.665	2.497
19	M8	X	.752	.472	2.497	3.329
20	M8	X	.472	.201	3.329	4.162
21	M31	X	.201	.473	0	.832
22	M31	X	.473	.752	.832	1.665
23	M31	X	.752	.881	1.665	2.497
24	M31	X	.881	.702	2.497	3.329
25	M31	X	.702	.37	3.329	4.162
26	M32	X	.37	.698	0	.832
27	M32	X	.698	.874	.832	1.665
28	M32	X	.874	.737	1.665	2.497
29	M32	X	.737	.451	2.497	3.329
30	M32	X	.451	.178	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N84	N82	N60	N61	Y	Two Way	-.005
2	N3	N4	N28	N26	Y	Two Way	-.005
3	N56	N54	N32	N33	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N84	N82	N60	N61	Y	Two Way	-.01
2	N3	N4	N28	N26	Y	Two Way	-.01
3	N56	N54	N32	N33	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N84	N82	N60	N61	Y	Two Way	-.000222
2	N3	N4	N28	N26	Y	Two Way	-.000222
3	N56	N54	N32	N33	Y	Two Way	-.000222

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N84	N82	N60	N61	Z	Two Way	-.000555
2	N3	N4	N28	N26	Z	Two Way	-.000555
3	N56	N54	N32	N33	Z	Two Way	-.000555

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N84	N82	N60	N61	X	Two Way	.000555
2	N3	N4	N28	N26	X	Two Way	.000555
3	N56	N54	N32	N33	X	Two Way	.000555

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	N1	max	1681.809	11	113.309	11	923.508	12	.185	8	1.588	8	.124	11
2		min	-3974.195	5	-317.26	41	-2235.65	6	-.168	26	-1.562	2	-.454	41
3	N30	max	1117.055	10	202.372	7	4740.15	1	-.004	9	1.655	4	.152	2
4		min	-1109.17	4	-206.396	1	-2088.881	7	-.1	15	-1.626	10	-.124	8
5	N58	max	3918.888	9	112.605	3	1031.566	2	.207	7	1.575	12	.278	49
6		min	-1631.73	3	-280.224	9	-2377.284	8	-.178	25	-1.569	6	-.071	4
7	N186A	max	2844.392	17	2409.341	17	1636.398	17	.252	2	.37	8	.111	2
8		min	368.075	11	329.639	11	207.183	11	-.223	8	-.366	2	-.168	8
9	N187A	max	164.134	10	2355.665	13	-387.652	7	.013	7	.373	4	.272	4
10		min	-160.493	4	296.385	7	-3273.611	13	-.064	13	-.368	10	-.269	10
11	N190	max	-364.115	3	2410.885	21	1646.436	21	.256	12	.368	12	.163	6
12		min	-2841.309	21	329.961	3	215.156	3	-.222	6	-.366	6	-.108	12
13	Totals:	max	5046.574	10	6345.148	20	5072.638	1						
14		min	-5046.58	4	2089.423	65	-5072.637	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
1	M1	HSS4X4X4	.111	4.053	17	.077	4....	y	39	124657...	1395..	16.181	16.181	...	H1-...
2	M2	L2x2x3	.467	.223	11	.523	.223	z	12	17634....	2339..	.558	1.239	...	H2-1
3	M3	L2x2x3	.453	2.152	11	.559	2....	z	10	17634....	2339..	.558	1.239	...	H2-1
4	M4	PL3/8x6	.319	.516	5	.216	.516	y	15	36285....	72900	.57	9.113	...	H1-...
5	M7	L2x2x3	.364	4.162	6	.027	0	y	23	9823.1...	2339..	.558	1.089	...	H2-1
6	M8	L2x2x3	.424	0	4	.030	4....	y	11	9823.1...	2339..	.558	1.088	...	H2-1
7	M12	PL3/8x6	.264	0	8	.072	0	y	36	70647....	72900	.57	9.113	...	H1-...
8	M13	PL3/8x6	.206	.167	11	.034	0	y	26	71583....	72900	.57	9.113	...	H1-...
9	M15	PL3/8x6	.123	.112	5	.453	0	y	40	72302....	72900	.57	9.113	...	H1-...
10	M17	PL3/8x6	.281	0	2	.091	0	y	11	70647....	72900	.57	9.113	...	H1-...
11	M18	PL3/8x6	.208	.167	11	.024	0	z	10	71583....	72900	.57	9.113	...	H1-...
12	M20	PL3/8x6	.119	.112	5	.335	0	y	18	72302....	72900	.57	9.113	...	H1-...
13	M25	HSS4X4X4	.111	0	4	.049	4....	y	15	124657...	1395..	16.181	16.181	...	H1-...
14	M26	L2x2x3	.466	.223	7	.521	.223	z	8	17634....	2339..	.558	1.239	...	H2-1
15	M27	L2x2x3	.451	2.152	7	.556	2....	z	6	17634....	2339..	.558	1.239	...	H2-1
16	M28	PL3/8x6	.320	.516	1	.208	.516	y	22	36285....	72900	.57	9.113	...	H1-...
17	M31	L2x2x3	.367	4.162	2	.027	0	y	19	9823.1...	2339..	.558	1.088	...	H2-1
18	M32	L2x2x3	.429	0	12	.030	4....	y	7	9823.1...	2339..	.558	1.089	...	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
19	M36	PL3/8x6	.263	0	4	.072	0	y	8	70647....	72900	.57	9.113	...	H1-...
20	M37	PL3/8x6	.205	.167	7	.022	0	y	22	71583....	72900	.57	9.113	...	H1-...
21	M39	PL3/8x6	.124	.112	1	.315	0	y	24	72302....	72900	.57	9.113	...	H1-...
22	M41	PL3/8x6	.280	0	10	.092	0	y	7	70647....	72900	.57	9.113	...	H1-...
23	M42	PL3/8x6	.206	.167	7	.025	0	z	6	71583....	72900	.57	9.113	...	H1-...
24	M44	PL3/8x6	.120	.112	1	.336	0	y	14	72302....	72900	.57	9.113	...	H1-...
25	M49	HSS4X4X4	.111	4.053	21	.049	4....	y	23	124657...	1395..	16.181	16.181	...	H1-...
26	M50	L2x2x3	.470	.223	3	.524	.223	z	4	17634....	2339..	.558	1.239	...	H2-1
27	M51	L2x2x3	.452	2.152	3	.553	2....	z	2	17634....	2339..	.558	1.239	...	H2-1
28	M52	PL3/8x6	.319	.516	9	.215	.516	y	19	36285....	72900	.57	9.113	...	H1-...
29	M55	L2x2x3	.363	4.162	4	.027	0	y	15	9823.1...	2339..	.558	1.076	...	H2-1
30	M56	L2x2x3	.428	0	8	.030	4....	y	3	9823.1...	2339..	.558	1.089	...	H2-1
31	M60	PL3/8x6	.265	0	12	.071	0	y	4	70647....	72900	.57	9.113	...	H1-...
32	M61	PL3/8x6	.207	.167	3	.022	0	y	18	71583....	72900	.57	9.113	...	H1-...
33	M63	PL3/8x6	.123	.112	9	.315	0	y	20	72302....	72900	.57	9.113	...	H1-...
34	M65	PL3/8x6	.285	0	6	.091	0	y	3	70647....	72900	.57	9.113	...	H1-...
35	M66	PL3/8x6	.206	.167	3	.034	0	y	28	71583....	72900	.57	9.113	...	H1-...
36	M68	PL3/8x6	.119	.112	9	.335	0	y	22	72302....	72900	.57	9.113	...	H1-...
37	M73	PIPE_3.0	.179	6.25	28	.071	4....		6	28250....	65205	5.749	5.749	...	H1-...
38	M74	PIPE_3.0	.148	6.25	24	.072	4....		2	28250....	65205	5.749	5.749	...	H1-...
39	M75	PIPE_3.0	.148	6.25	20	.072	4....		10	28250....	65205	5.749	5.749	...	H1-...
40	MP1A	PIPE_2.0	.376	3.25	4	.107	2....		2	20866....	32130	1.872	1.872	...	H1-...
41	MP2A	PIPE_2.0	.347	3.25	4	.132	3.25		4	20866....	32130	1.872	1.872	...	H1-...
42	MP3A	PIPE_2.0	.321	3.25	10	.100	1....		8	20866....	32130	1.872	1.872	...	H1-...
43	MP4A	PIPE_2.0	.316	3.25	10	.107	.5		1	20866....	32130	1.872	1.872	...	H1-...
44	MP1C	PIPE_2.0	.378	3.25	12	.107	2....		10	20866....	32130	1.872	1.872	...	H1-...
45	MP2C	PIPE_2.0	.346	3.25	12	.131	3.25		12	20866....	32130	1.872	1.872	...	H1-...
46	MP1B	PIPE_2.0	.378	3.25	8	.106	2....		6	20866....	32130	1.872	1.872	...	H1-...
47	MP2B	PIPE_2.0	.347	3.25	8	.132	3.25		8	20866....	32130	1.872	1.872	...	H1-...
48	OVP	PIPE_2.0	.149	3	7	.015	3		7	26521....	32130	1.872	1.872	1	H1-...
49	M102	PIPE_2.5	.178	1.823	4	.100	10...		8	14558....	50715	3.596	3.596	...	H1-...
50	M103	PIPE_2.5	.181	1.823	12	.103	10...		4	14558....	50715	3.596	3.596	...	H1-...
51	M104	PIPE_2.5	.177	1.823	8	.103	10...		12	14558....	50715	3.596	3.596	...	H1-...
52	M123	L3X3X4	.286	1.996	1	.035	1....	z	12	42714....	46656	1.688	3.756	...	H2-1
53	M124	L3X3X4	.279	0	9	.029	0	z	8	42714....	46656	1.688	3.756	...	H2-1
54	M125	L3X3X4	.276	1.996	5	.034	1....	z	4	42714....	46656	1.688	3.756	...	H2-1
55	M126	LL3x3x3x3	.146	5.084	14	.009	0	z	10	47638....	70632	5.543	2.967	...	H1-...
56	M127	LL3x3x3x3	.158	5	22	.010	0	z	6	47669....	70632	5.543	2.969	...	H1-...
57	M128	LL3x3x3x3	.192	5	40	.010	0	z	2	47669....	70632	5.543	2.969	...	H1-...
58	MP3C	PIPE_2.0	.317	3.25	6	.099	1....		4	20866....	32130	1.872	1.872	...	H1-...
59	MP4C	PIPE_2.0	.319	3.25	6	.104	.5		9	20866....	32130	1.872	1.872	...	H1-...
60	MP3B	PIPE_2.0	.325	3.25	2	.103	1....		12	20866....	32130	1.872	1.872	...	H1-...
61	MP4B	PIPE_2.0	.315	3.25	2	.103	.5		5	20866....	32130	1.872	1.872	...	H1-...

VzW SMART Tool© Vendor

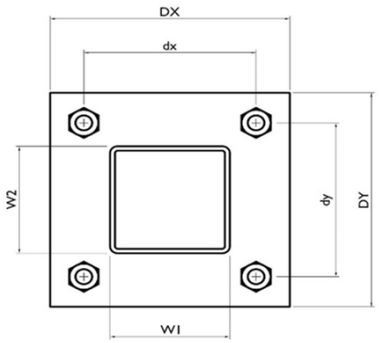
Client:	Verizon Wireless	Date:	4/25/2022
Site Name:	NE03 NORTHEAST COLLEGE		
PSLC #:	197628		
Fuze ID #:	16824544	Page:	1

Version 1.0

I. Mount-to-Tower Connection Check

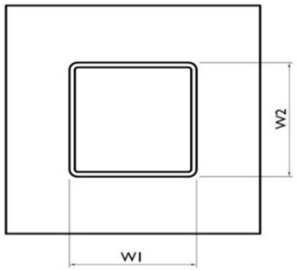
Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel

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):	0.625
Required Tensile Strength / bolt (kips):	4.4
Required Shear Strength / bolt (kips):	1.0
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**21.3%**



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):	0.5
Length of Yield Line, L_y (in):	7.85
Bolt Eccentricity, e (in):	3.06
M_u (kip-in):	13.48
Phi*M_n (kip-in):	15.90
Plate Bending Utilization:	**84.8%**



Client:	Verizon Wireless	Date:	4/25/2022
Site Name:	NE03 NORTHEAST COLLEGE		
PSLC #:	197628		
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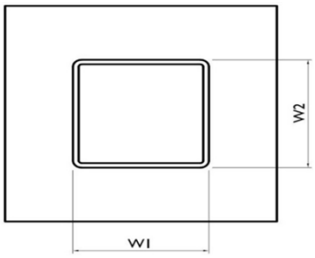
Tower Connection Weld Checks	Yes



Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Siffner Notch Present?	No
Stiffener length, l (in):	
Stiffener Spacing/Width, s (in):	
Stiffner Notch Length, n (in):	0
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):	1.22
Weld Capacity (kip/in):	5.57
Weld Utilization:	**21.9%**

Exhibit F

Power Density/RF Emissions Report

Site Name: ***WESTVILLE WEST CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	495	1981	90	0.0088	0.5007	1.76%
VZW Cellular	874	4	616	2465	90	0.0109	0.5827	1.88%
VZW PCS	1975	4	1445	5779	90	0.0257	1.0000	2.57%
VZW AWS	2120	4	1678	6712	90	0.0298	1.0000	2.98%
VZW CBAND	3730.08	2	13335	26670	90	0.1184	1.0000	11.84%

Total Percentage of Maximum Permissible Exposure 21.02%

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

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

Absolute worst case maximum values used.