After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

CROWN CASTLE

1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

August 9th, 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#845455; Verizon Wireless Site ID#469065
85 Quaker Farms Road, Oxford, CT 06478
Latitude: 41.383989/ Longitude: -73.137372

Dear Ms. Bachman:

Verizon Wireless currently maintains (9) antennas at the 120-foot mounts on the existing 149-foot Monopole Tower located at **85 Quaker Farms Road, Oxford.** The property is owned by William & Elaine Schiavi, the tower by Crown Castle. Verizon now intends to replace (6) 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) Andrew SBNHH-1D65B antennas (**REMOVE**) (6) JMA MX06FR0660-03 antennas **(REPLACE)**
(3) Nokia UHIC B4 RRH (**REMOVE**) (3) Samsung B2/B66A RRH **(REPLACE)**
INSTALL
(3) Samsung MT6407-77A Antennas
(3) Samsung B5/B13 RRH
(3) Side-by-side Antenna mounts – Commscope BSAMNT-SBS-R2BT4
REMAINING
(3) Amphenol BXA-80080-6CF antennas
(2) Raycap RRFDC-3315-PF-48 OVPs

Ground:

REMOVE:
(3) Nokia UHBA B13 RRHs

The facility was approved by The Connecticut Siting Council on December 22nd, 2003. The approval was with conditions which this exempt modification complies with.

CROWN CASTLE

1 Cityplace Dr, Suite 490

Creve Coeur, MO 63141

Phone: (314) 513-0147

www.crowncastle.com

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 George R. Temple, First Selectman, Steven S. Macary – ZEO, and property owners, William & Elaine Schiavi.

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:

George R. Temple, First Selectman
Oxford Town Hall
486 Oxford Road
Oxford, CT 06478

Steven S. Macary-ZEO
Oxford Town Hall
486 Oxford Road
Oxford, CT 06478

William & Elaine Schiavi - Property Owners
85 Quaker Farms Road
Oxford, CT 06478

Katie Adams

From: TrackingUpdates@fedex.com
Sent: Wednesday, August 10, 2022 10:50 AM
To: Katie Adams
Subject: FedEx Shipment 777617367397: Your package has been delivered

Hi. Your package was delivered Wed, 08/10/2022 at 10:45am.

Delivered to 486 OXFORD RD, OXFORD, CT 06478
Received by L.CAPRIO

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER	777617367397
FROM	NB+C 100 Apollo Drive Suite 303 CHELMSFORD, MA, US, 01824
TO	Oxford Town Hall Steven S. Macary-ZEO 486 Oxford Road OXFORD, CT, US, 06478
REFERENCE	100788-CSC

Katie Adams

From: TrackingUpdates@fedex.com
Sent: Wednesday, August 10, 2022 10:47 AM
To: Katie Adams
Subject: FedEx Shipment 777617347877: Your package has been delivered

Hi. Your package was delivered Wed, 08/10/2022 at 10:45am.

Delivered to 486 OXFORD RD, OXFORD, CT 06478
Received by L.CAPRIO

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER	777617347877
FROM	NB+C 100 Apollo Drive Suite 303 CHELMSFORD, MA, US, 01824
TO	Oxford Town Hall George R. Temple, First Selectman 486 Oxford Road OXFORD, CT, US, 06478
REFERENCE	100788-CSC

Katie Adams

From: TrackingUpdates@fedex.com
Sent: Wednesday, August 10, 2022 9:10 AM
To: Katie Adams
Subject: FedEx Shipment 777617379861: Your package is now out for delivery today

Hi. Your package is now out for delivery today.

ON TIME

SCHEDULED DELIVERY

Wed, 08/10/2022
before 8:00pm

OUT FOR DELIVERY
WATERTOWN, CT

MANAGE DELIVERY

TRACKING NUMBER	777617379861
FROM	NB+C 100 Apollo Drive Suite 303 CHELMSFORD, MA, US, 01824

Exhibit A

Original Facility Approval

PLANNING & ZONING COMMISSION
TOWN OF OXFORD
486 Oxford Road
Oxford, CT 06478
(203) 888-2543

Z#:	Z-05-116
Date Rec'd:	4-28-05
Date on Agenda:	
65-Day Expiration:	

ZONING PERMIT APPLICATION

(This permit is hereby applied for in accordance with the requirements of the Oxford Zoning Regulations)

Property Identification

Street Address: 85 QUAKER FARMS RD
Subdivision Name: _____ Date Approved: _____
Map: 23 Block: 7 Lot: 8 Zoning district: R-A

Owner/Applicant

Owner Name: SCHIAVI
Owner Address: 85 QUAKER FARMS RD
Owner Telephone: _____

Applicant Name: NEW CINGULAR WIRELESS PCS, LLC
Applicant Address: 500 ENTERPRISE DR., ROCKY HILL CT 06067
Applicant Telephone: 860-513-7636

Miscellaneous Information

* CT SITING COUNCIL CERTIFICATE

Special Exception: Article _____ Section _____ Yes (No) *
Site Plan Approval: Article _____ Section _____ Yes (No)
Estimated Cost of Construction: $150,000—
Variance Granted: _____ Date Granted: _____

Signatures/Authorization

Application for Zoning Permit approval as described herein is hereby made. The Oxford Planning & Zoning Commission and its technical staff are authorized to enter the property for the purpose of evaluating this application.

Permit Void If: a) Work or activity not commenced within 1 year of the date of issuance or b) Authorized construction not completed within 2 years of the date of issuance.

This permit, if issued, is based upon the plot plan submitted. Falsification, by misrepresentation or omission, or failure to comply with the conditions of approval of this permit constitute a violation of the Oxford Zoning Regulations.

for Cingular Wireless 4-28-05
Property Owner or (Agent) Date

Purpose
- ___ New Home
- ___ Addition
- ___ Garage
- ___ Cottage Business
- ___ Swimming Pool IG AG
- ___ Sign
- ___ Shed
- ___ Barn
- ___ Change of Use
- ___ Excavating/Filling
- ___ Trailer
- ✓ Other CELL SITE

Use
- ___ Single-Family Residence
- ___ Multi-Family Residence
- ✓ Commercial
- ___ Industrial
- ___ Residential/POD
- ✓ Other CELL SITE

Required Approvals and Dates
- ✓ Inland Wetlands _____
- ___ P.D.D.H. _____
- ___ Fire Marshal _____
- ___ Z.B.A. _____
- ___ W.P.C.A. _____
- ___ Floodplain _____
- ___ Copy of Deed _____
- ✓ Driveway Existing
- ___ Erosion Control Plan
- ✓ Plot Plan * 4-26-05
- ___ Other _____

100.00 Town Fee
20.00 State Fee
120.00 Total Fee

*Draw plot plan of proposed construction and attach. Plan must show property boundaries and dimensions; location of proposed buildings on property with respect to boundaries; location of existing buildings on property; outside dimensions of all buildings proposed or now existing; location of water supply; location of sewage system. All copies must have a complete sketch. Construction and use must be exactly as described in this application. If later changes from this plan are desired prior approval of an amended application is necessary.

Denied (Approved) By: Doug Volk Date: 4-28-05
Title: ZEO
Reason for Denial _____

ZPA-1
(Adopted 5/15/97)

White - P&Z Files / Yellow - Building Department / Pink - Applicant

DOCKET NO. 261 - AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at one of two sites at 85 Quaker Farms Road, Oxford, Connecticut.	}	Connecticut Siting Council December 22, 2003

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to AT&T Wireless PCS d/b/a AT&T Wireless for the construction, maintenance and operation of a wireless telecommunications facility at Site B, located at 85 Quaker Farms Road, Oxford, Connecticut. The Council denies certification of Site A, also located at 85 Quaker Farms Road, Oxford, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T and other entities, both public and private, but such tower shall not exceed a height of 153 feet above ground level, including appurtenances. Antennas installed on the monopole shall be flush mounted.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a) color options for painting the tower, including the color option preferred by the Town of Oxford;
    b) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and
    c) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing. The Certificate Holder shall provide space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.

6. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Waterbury Republican-American.

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

The party to this proceeding is:

Applicant	**Its Representative**
AT&T Wireless PCS, LLC d/b/a AT&T Wireless (AT&T)	Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, New York 10601

Exhibit B

Property Card

Town of Oxford
Property Listing Report

Parcel ID 23/57/8/CELL

Account 23578CELL

Property Information

Owner	AT&T
Address	85 QUAKER FARMS RD
Mailing Address	575 MOROSGO DR ATLANTA , GA 30324
Land Use	- Cell Tower
Land Class	I

Census Tract	
Neighborhood	090
Zoning	
Acreage	0
Utilities	
Lot Setting/ Desc	/

Photo

PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings	0	0
Outbuildings	655600	458900
Improvements	655600	458900
Extras	0	0
Land	0	0
Total	655600	458900
Previous		

Construction Details

Year Built	
Stories	
Building Style	
Building Use	
Building Condition	
Total Rooms	
Bedrooms	
Full Bathrooms	0
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	
Roof Cover	

EXTERIOR WALLS:	
Primary	
Secondary	
INTERIOR WALLS:	
Primary	
Secondary	
FLOORS:	
Primary	
Secondary	
HEATING/AC:	
Heating Type	
Heating Fuel	
AC Type	

BUILDING AREA:	
Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:	
Sale Date	10/1/2010
Sale Price	0
Book/ Page	000/ 000

Report Created On 6/29/2020

Town of Oxford
Property Listing Report

Parcel ID 23/57/8

Account J0181100

Property Information

Owner	SCHIAVI WILLIAM & ELAINE W
Address	85 QUAKER FARMS RD
Mailing Address	85 QUAKER FARMS RD OXFORD , CT 06478
Land Use	- Res Dwelling
Land Class	R

Census Tract	L 6
Neighborhood	090
Zoning	RESA
Acreage	12.5
Utilities	
Lot Setting/ Desc	/ Clear

Photo

PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings	206200	144300
Outbuildings	41600	29200
Improvements	247800	173500
Extras	0	0
Land	388300	203000
Total	636100	376500
Previous		

Construction Details

Year Built	
Stories	2
Building Style	Colonial
Building Use	Residential
Building Condition	B-
Total Rooms	
Bedrooms	4 Bedrooms
Full Bathrooms	0
Half Bathrooms	
Bath Style	Average
Kitchen Style	Average
Roof Style	Gable
Roof Cover	Arch Shingles

EXTERIOR WALLS:	
Primary	Clapboard
Secondary	Wood Shingle
INTERIOR WALLS:	
Primary	Drywall
Secondary	
FLOORS:	
Primary	Hardwood
Secondary	Carpet
HEATING/AC:	
Heating Type	Hot Water
Heating Fuel	Oil
AC Type	None

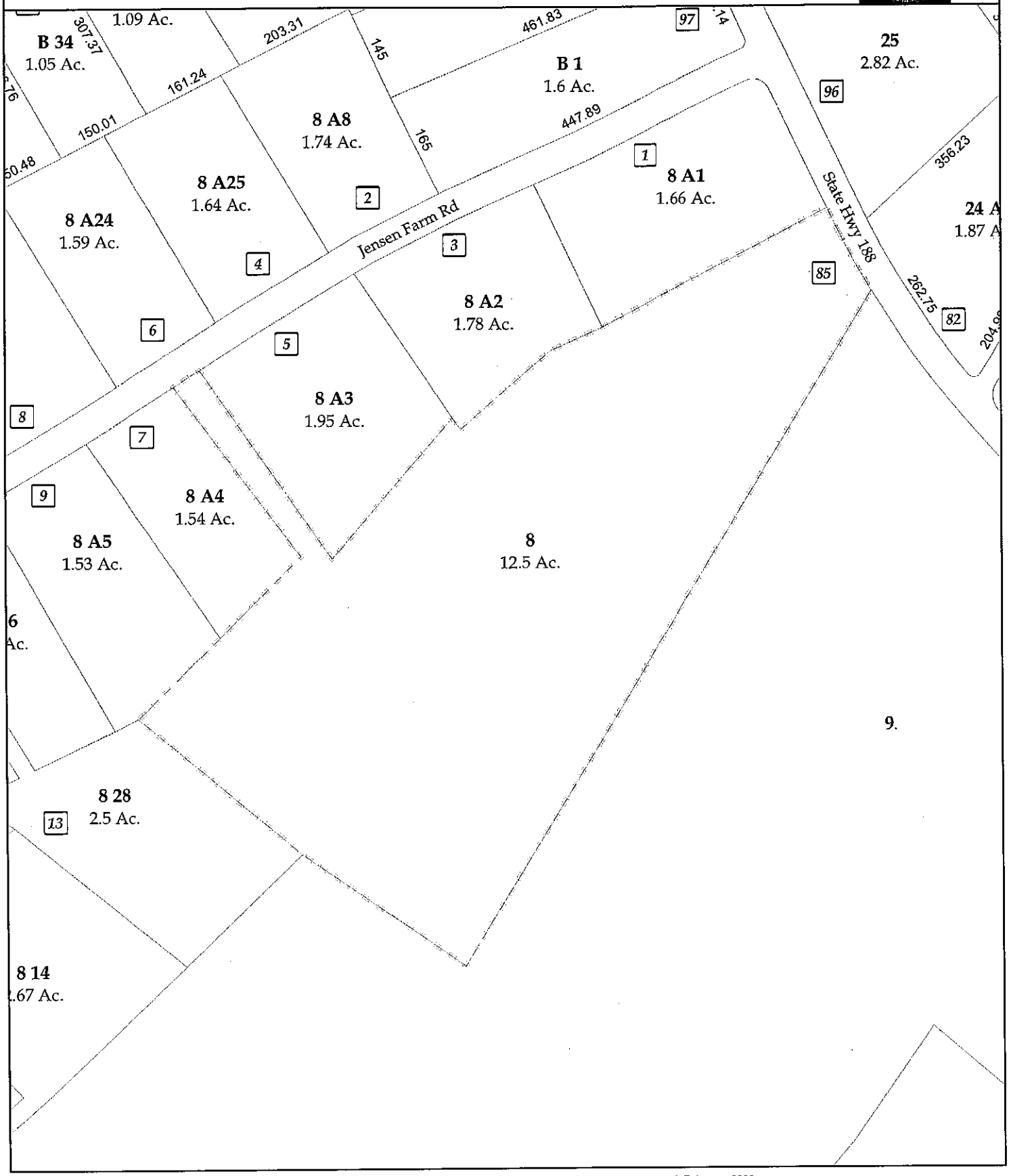
BUILDING AREA:	
Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:	
Sale Date	4/1/1996
Sale Price	0
Book/ Page	187/ 390

Report Created On 6/29/2020

Town of Oxford, Connecticut - Assessment Parcel Map

Parcel: 23-57-8 **Location: 85 QUAKER FARMS RD**



Approximate Scale: 1 inch = 200 feet

0 100 200 300 400 Feet

Map Produced: February 2020

Disclaimer: This map is for informational purposes only All Information is subject to verification by any user. The Town of Oxford and its mapping contractors assume no legal responsibility for the information contained herein.

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 469065
VERIZON SITE NAME: SEYMOUR WEST, CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 149'-0"

BUSINESS UNIT #: 845455
SITE ADDRESS: 85 QUAKER FARMS ROAD OXFORD, CT 06478
COUNTY: NEW HAVEN
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 850 ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	OXFORD-QUAKER FARMS
SITE ADDRESS:	85 QUAKER FARMS ROAD OXFORD, CT 06478
COUNTY:	NEW HAVEN
MAP/PARCEL #:	23-57-8-CELL
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.383989
LONGITUDE:	-73.137372
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	605'
CURRENT ZONING:	R-A - RESIDENTIAL A DISTRICT
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	AT&T 575 MOROSGO DR ATLANTA GA 30324
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. +1 203-499-2000
TELCO PROVIDER:	AT&T +1 866-852-2721

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 WILLIAM GATES - PROJECT MANAGER WILLIAM.GATES@CROWNCASTLE.COM JASON D'AMICO - CONSTRUCTION MANAGER JASON.DAMICO@CROWNCASTLE.COM
VERIZON CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

DRAWING INDEX

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

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10141838
VzW LOCATION CODE (PSLC)	469065

*** 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 BRADLEY INTERNATIONAL AIRPORT (SCHOEPHOESTER RD, WINDSOR LOCKS, CT 06096):
GET ON BRADLEY INTERNATIONAL AIRPORT CON FROM BRADLEY INTERNATIONAL AIRPORT, HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT, SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT, CONTINUE STRAIGHT, KEEP RIGHT TO CONTINUE TOWARD BRADLEY INTERNATIONAL AIRPORT CON, FOLLOW I-91 S AND I-84 TO CT-188 S IN SOUTHBURY. TAKE EXIT 16 FROM I-84, CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON, CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON, USE THE RIGHT 2 LANES TO MERGE WITH I-91 S TOWARD HARTFORD, TAKE EXIT 32A-32B FOR I-84 W TOWARD WATERBURY, MERGE WITH I-84, TAKE EXIT 16 FOR CT-188 TOWARD SOUTHBURY, FOLLOW CT-188 S TO YOUR DESTINATION IN OXFORD, TURN LEFT ONTO CT-188 S, TURN LEFT ONTO CT-188 S/CT-67 S, TURN RIGHT ONTO CT-188 S, TURN RIGHT

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CONNECTICUT SBC/2015 IBC
MECHANICAL	2018 CONNECTICUT SBC/2015 IMC
ELECTRICAL	2018 CONNECTICUT SBC/2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	CROWN CASTLE
DATED:	6/30/22
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	5/27/22
RFDS REVISION:	0
DATED:	5/17/22
ORDER ID:	623011
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 (6) ANTENNAS
- REMOVE (3) RADIOS
- INSTALL (9) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL MOUNT MODIFICATIONS PER MOUNT ANALYSIS BY TMASER CONSULTING CONNECTICUT DATED MAY 25, 2022

GROUND SCOPE OF WORK:
- REMOVE (3) RADIOS

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
469065

BU #: **845455**
OXFORD-QUAKER FARMS

85 QUAKER FARMS ROAD
OXFORD, CT 06478

EXISTING 149'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	7/22/22	GAC	CONSTRUCTION	CV

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
7/22/22

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/23

SHEET NUMBER: T-1

REVISION: 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.

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   - 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   - 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. 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

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BU #: **845455**
OXFORD-QUAKER FARMS

85 QUAKER FARMS ROAD
OXFORD, CT 06478

EXISTING 149'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	7/22/22	GAC	CONSTRUCTION	CV

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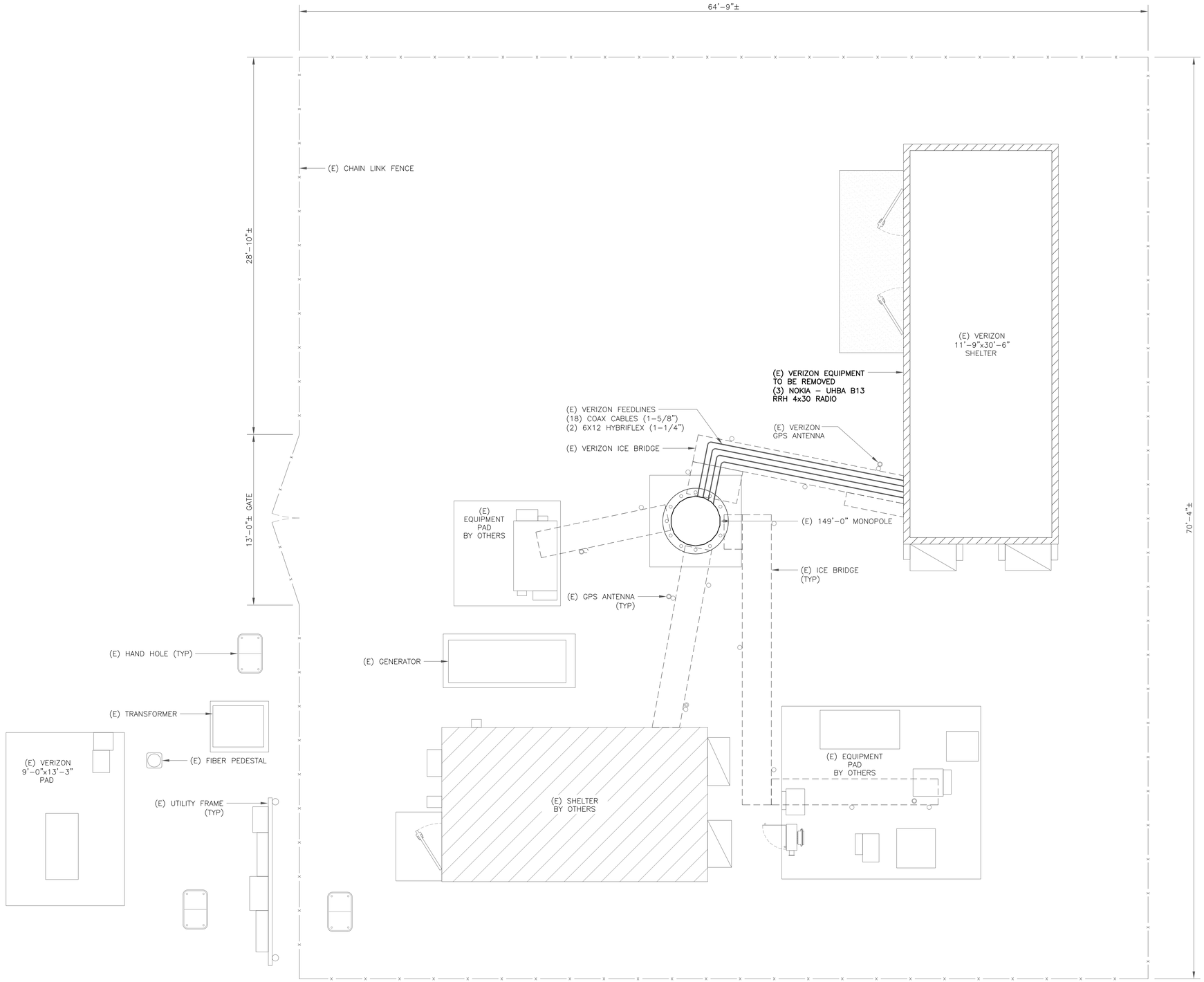
SHEET NUMBER: T-2
REVISION: 0



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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PROFESSIONAL ENGINEER
7/22/22

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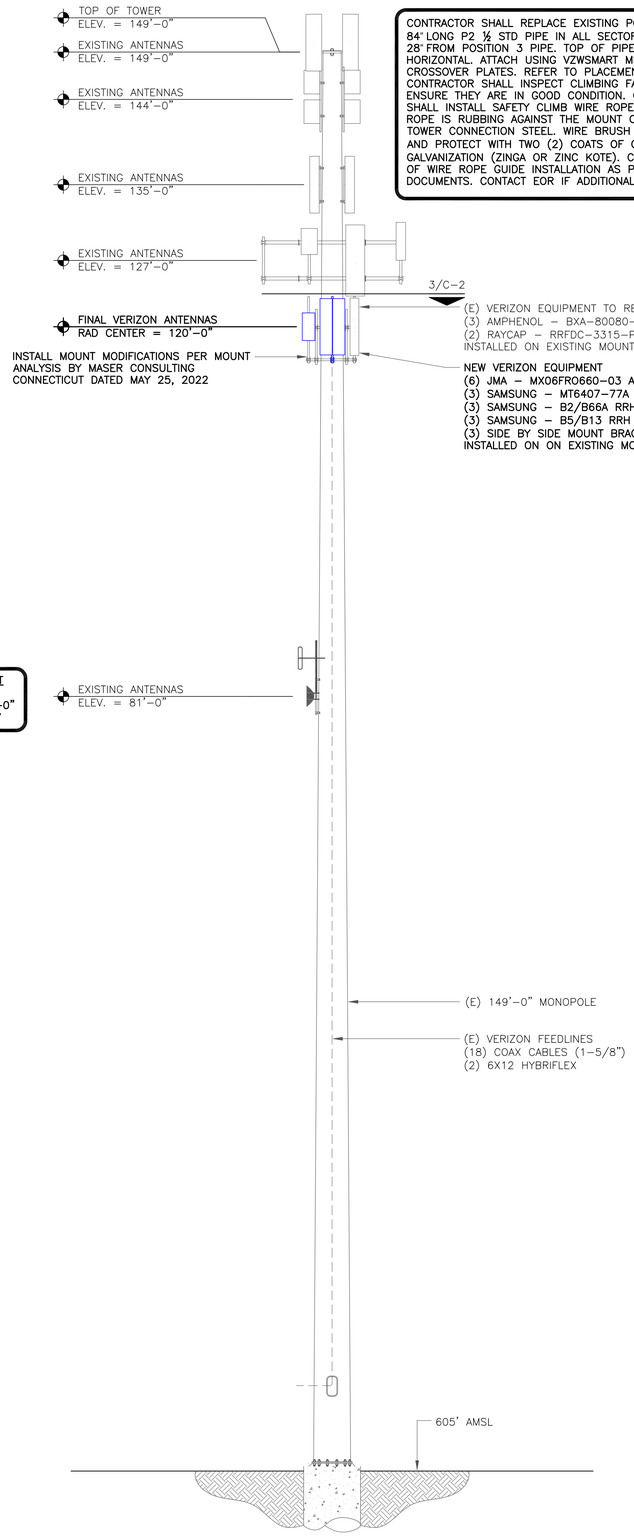
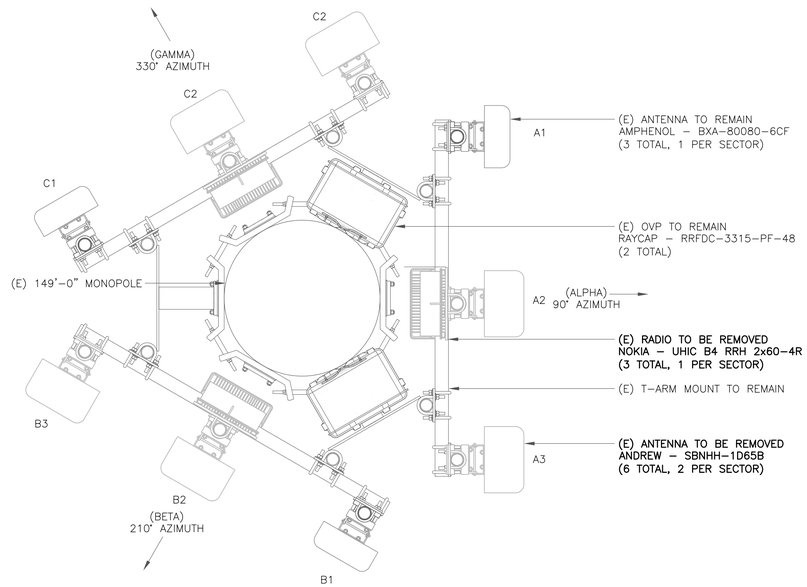


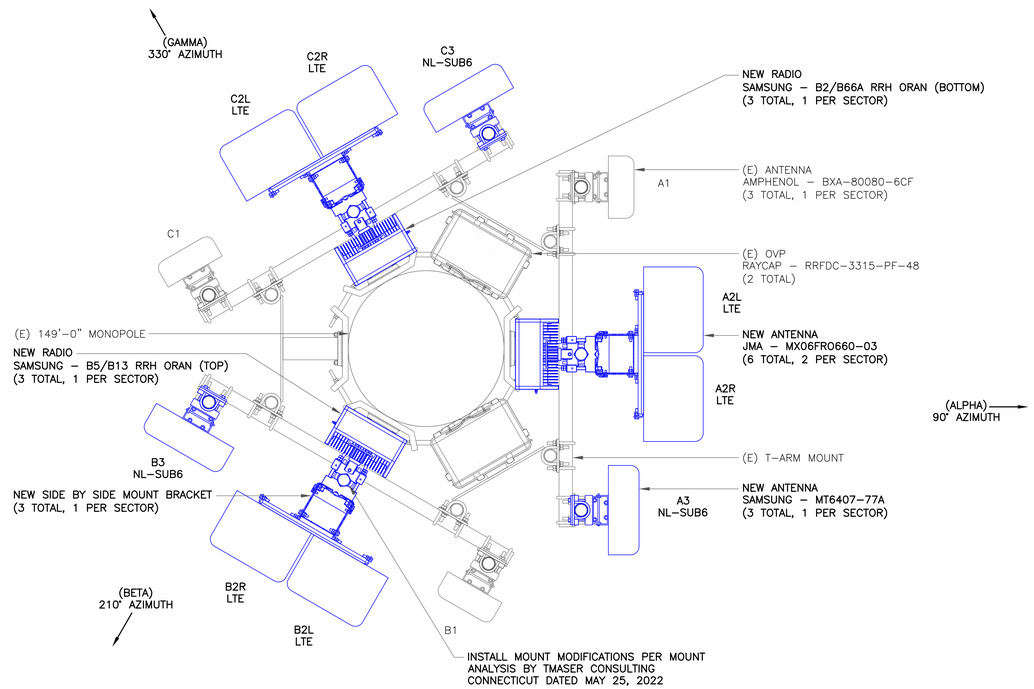
1 TOWER ELEVATION
SCALE: NOT TO SCALE

CONTRACTOR SHALL REPLACE EXISTING POSITION 2 MOUNT PIPE WITH NEW 84' LONG P2 ½ STD PIPE IN ALL SECTORS. INSTALL 28' FROM POSITION 3 PIPE. TOP OF PIPE SHALL BE 39' ABOVE TOP FACE HORIZONTAL. ATTACH USING VZWSMART MSK1 CROSSOVER PLATES. REFER TO PLACEMENT DIAGRAMS. CONTRACTOR SHALL INSPECT CLIMBING FACILITIES AND SAFETY CLIMB AND ENSURE THEY ARE IN GOOD CONDITION. CONTRACTOR SHALL INSTALL SAFETY CLIMB WIRE ROPE GUIDES IN LOCATIONS WHERE WIRE ROPE IS RUBBING AGAINST THE MOUNT OR MOUNT TO-TOWER CONNECTION STEEL. WIRE BRUSH CLEAN ANY OBSERVED CORROSION AND PROTECT WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC KOTE). CONTRACTOR SHALL PROVIDE PHOTOS OF WIRE ROPE GUIDE INSTALLATION AS PART OF PMI DOCUMENTS. CONTACT EOR IF ADDITIONAL GUIDANCE IS REQUIRED.



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

N



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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BU #: **845455**
OXFORD-QUAKER FARMS

85 QUAKER FARMS ROAD
OXFORD, CT 06478

EXISTING 149'-0" MONOPOLE

ISSUED FOR:

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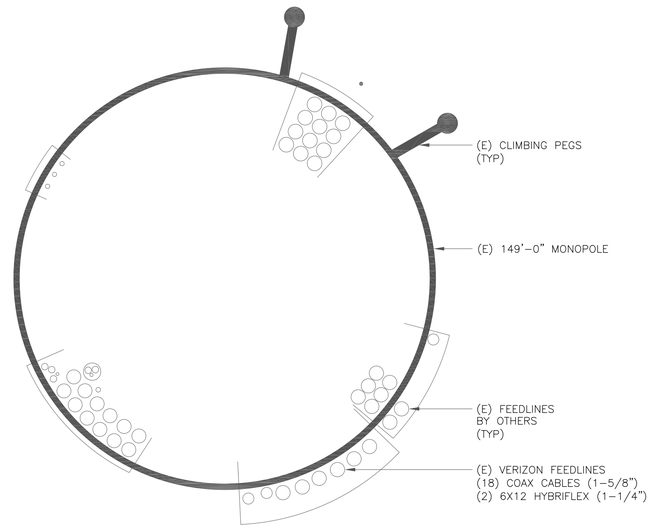
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	AMPHENOL	BXA-80080-6CF	120'-0"	90°	2°	0°	RAYCAP	(1) RRFDC-3315-PF-48
A2L	NEW	JMA	MX06FRO660-03	120'-0"	90°	0°	2°/2°/2°/ 2°/2°/2°	SAMSUNG	(1) B5/B13 RRH ORAN
A2R	NEW	JMA	MX06FRO660-03	120'-0"	90°	0°	2°/2°/2°/ 2°/2°/2°	SAMSUNG	(1) B2/B66A RRH ORAN
A3	NEW	SAMSUNG	MT6407-77A	120'-0"	90°	0°	6°	INTEGRATED WITHIN	-
B1	EXISTING	AMPHENOL	BXA-80080-6CF	120'-0"	210°	2°	0°	RAYCAP	(1) RRFDC-3315-PF-48
B2	NEW	JMA	MX06FRO660-03	120'-0"	210°	0°	2°/2°/2°/ 2°/2°/2°	SAMSUNG	(1) B5/B13 RRH ORAN
B3	NEW	JMA	MX06FRO660-03	120'-0"	210°	0°	2°/2°/2°/ 2°/2°/2°	SAMSUNG	(1) B2/B66A RRH ORAN
B4	NEW	SAMSUNG	MT6407-77A	120'-0"	210°	0°	6°	INTEGRATED WITHIN	-
C1	EXISTING	AMPHENOL	BXA-80080-6CF	120'-0"	330°	2°	0°	-	-
C2	NEW	JMA	MX06FRO660-03	120'-0"	330°	0°	4°/4°/4°/ 2°/2°/2°	SAMSUNG	(1) B5/B13 RRH ORAN
C3	NEW	JMA	MX06FRO660-03	120'-0"	330°	0°	4°/4°/4°/ 2°/2°/2°	SAMSUNG	(1) B2/B66A RRH ORAN
C4	NEW	SAMSUNG	MT6407-77A	120'-0"	330°	0°	6°	INTEGRATED WITHIN	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	170'-0"±	18
EXISTING	HYBRID	1-1/4"	170'-0"±	2
TOTAL CABLE QTY:				20



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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85 QUAKER FARMS ROAD
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EXISTING 149'-0" MONOPOLE

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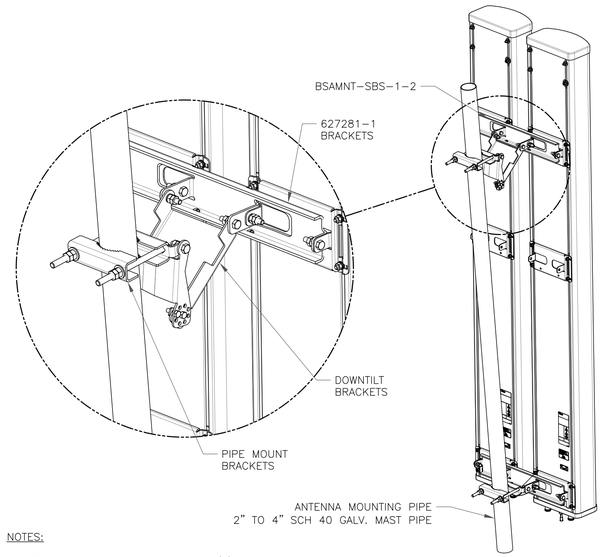
SHEET NUMBER: C-3
REVISION: 0

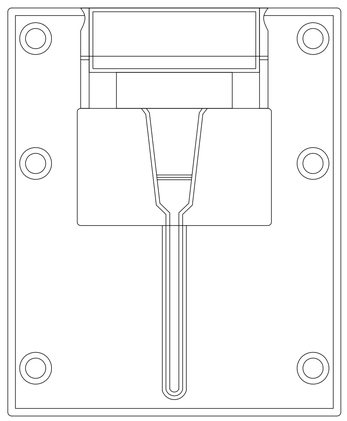


NOTES:

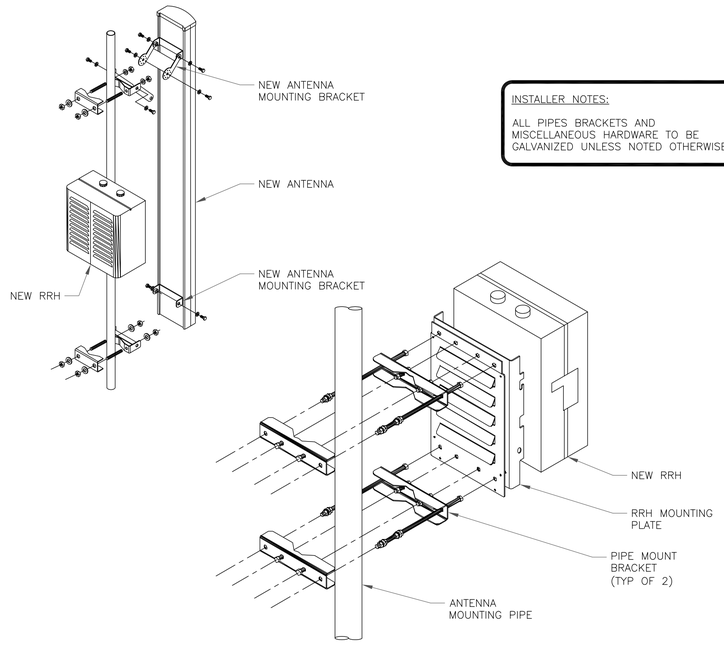
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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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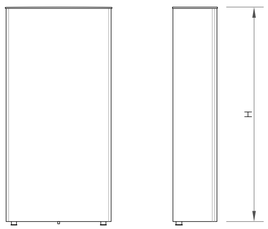
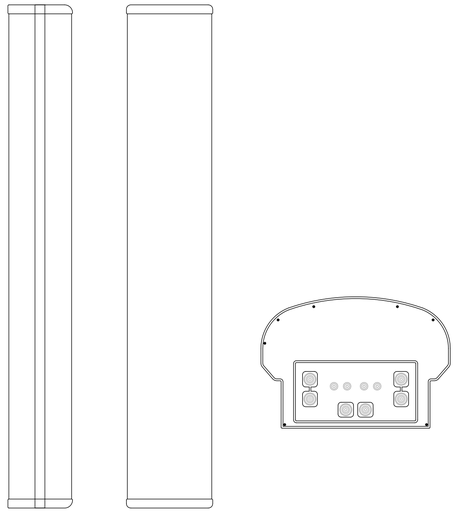
REVISION: 0



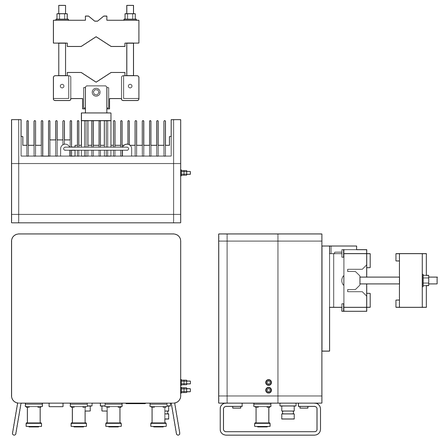
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

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



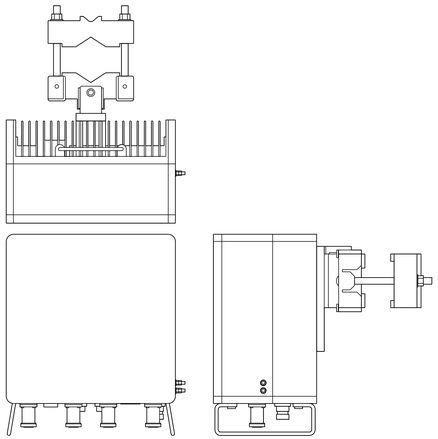
JMA WIRELESS – MX06FRO660-03
WEIGHT (WITHOUT MOUNTING HARDWARE): 78.0 LBS
SIZE (HxWxD): 71.3x15.4x10.7 IN.
RATED WIND VELOCITY: 150.0 MPH

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



RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH ORAN (RF4439d-25A)
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.70 LBS

3 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH ORAN (RF4440d-13A)
WIDTH	14.96"
DEPTH	9.06"
HEIGHT	14.96"
WEIGHT	72.50 LBS

4 RRU SPECS
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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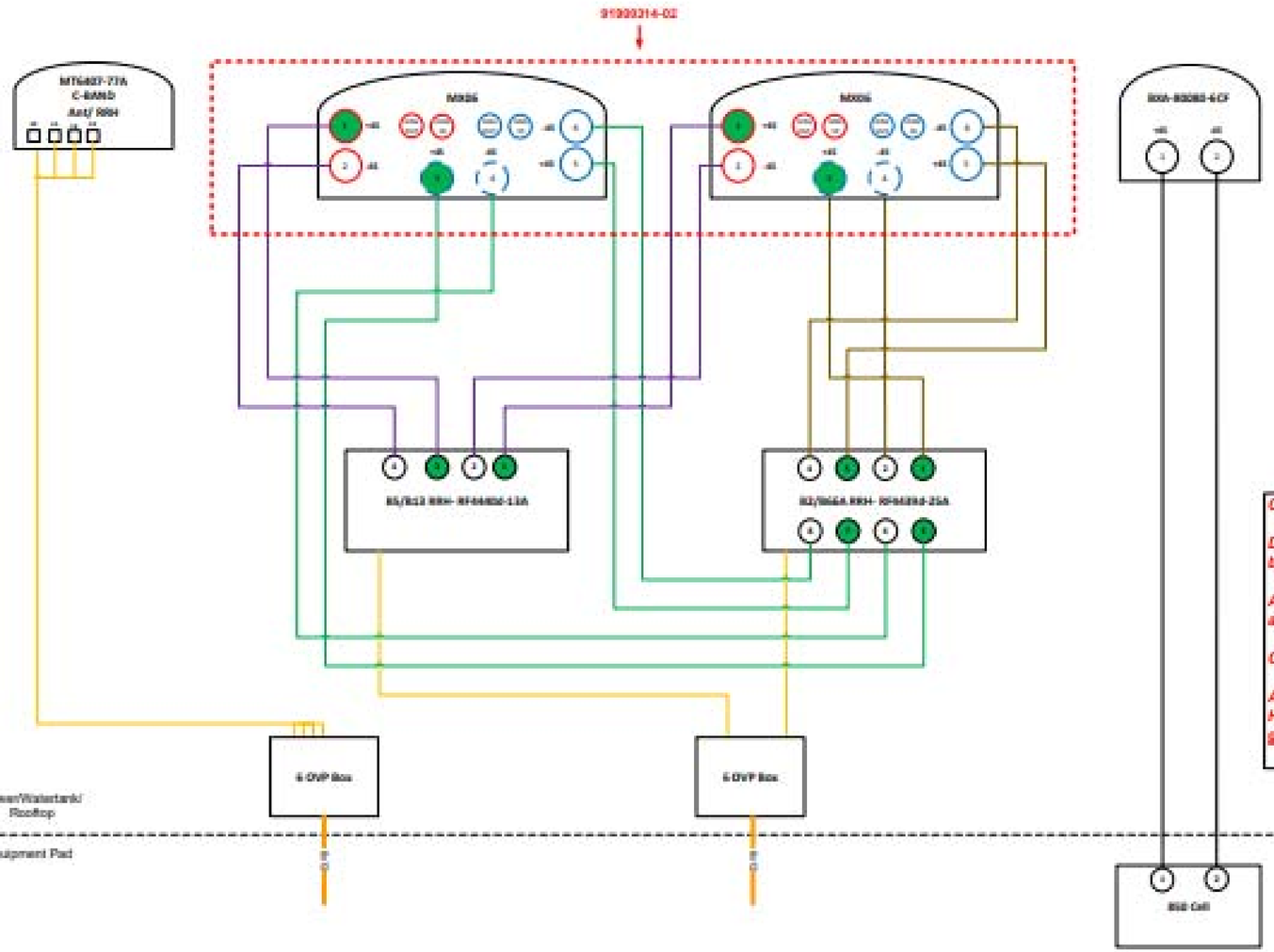
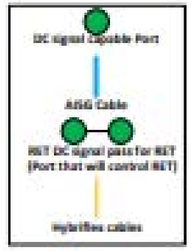
- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET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





Comments:

Diagram shows antenna port configuration as viewed from below antennas.

Antenna positions are indicated as viewed from IN FRONT of antennas.

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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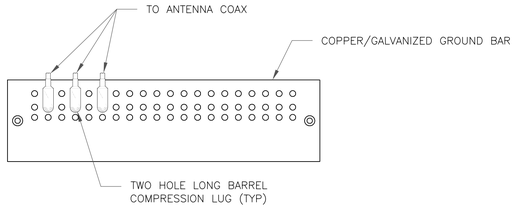
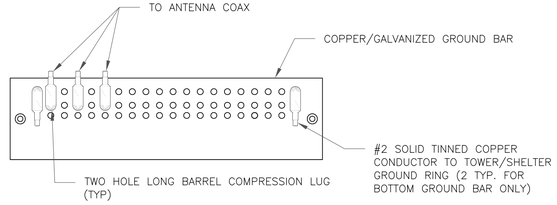


NOTES:

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

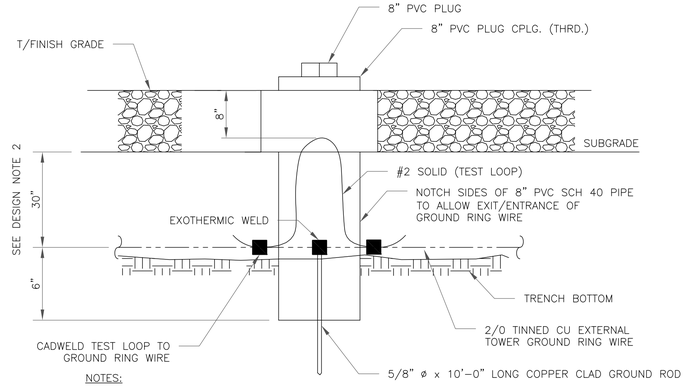
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

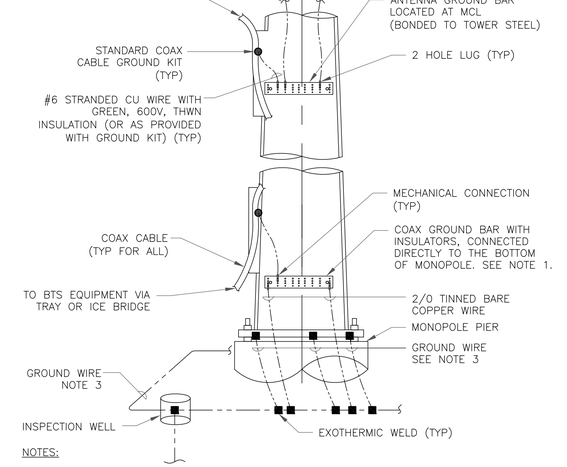
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

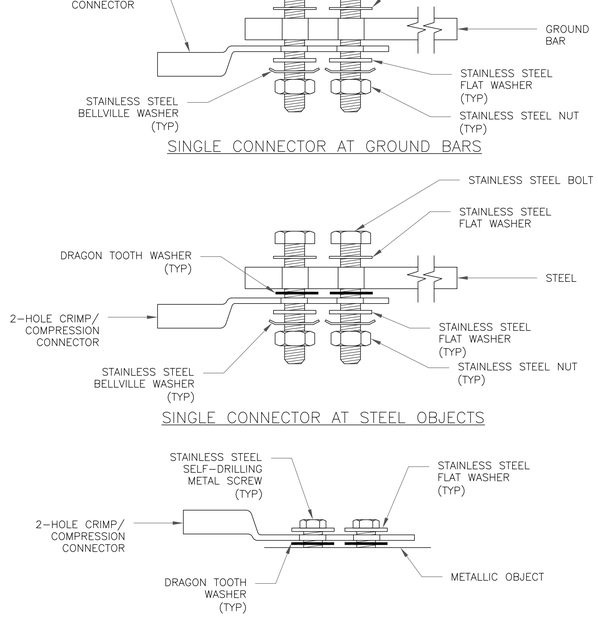
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE

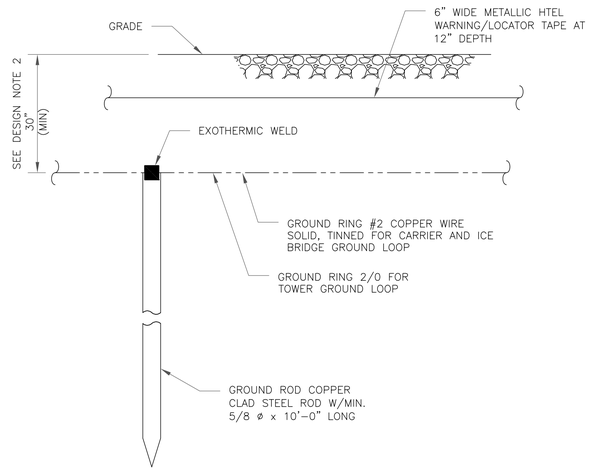


SINGLE CONNECTOR AT GROUND BARS

SINGLE CONNECTOR AT STEEL OBJECTS

SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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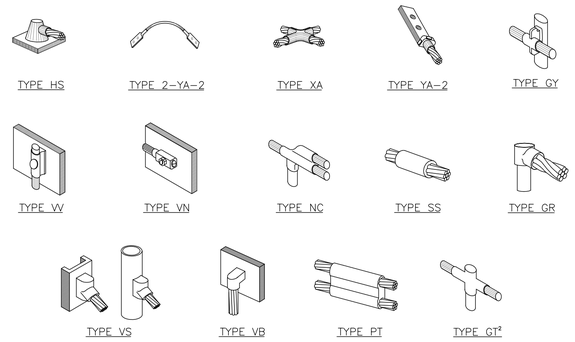
SHEET NUMBER: G-1

REVISION: 0

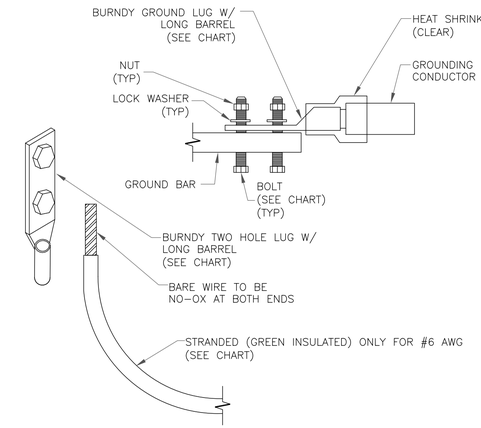


NOTE:

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

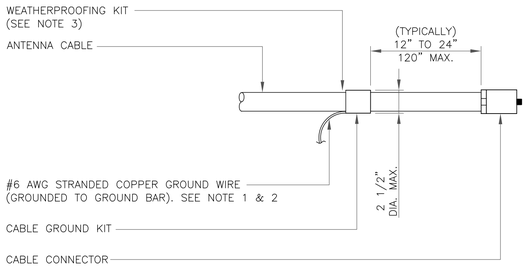
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

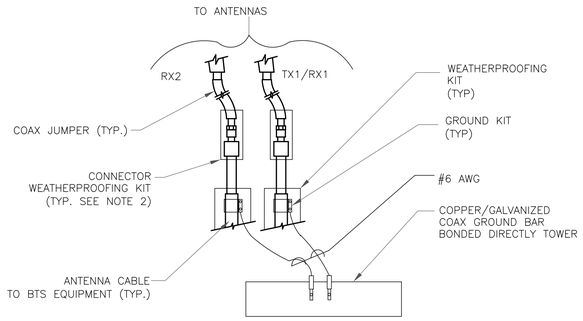
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

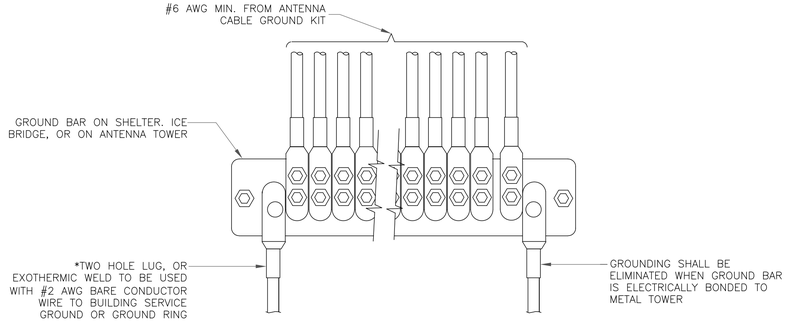
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



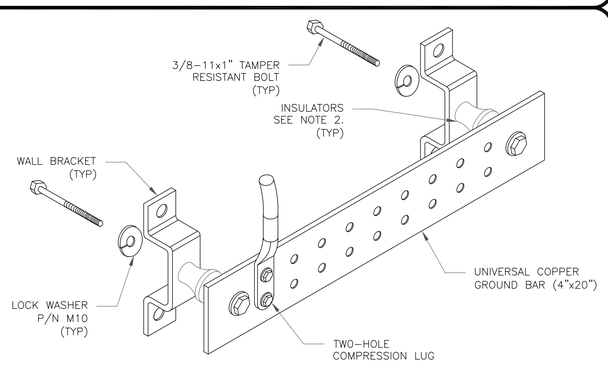
NOTES:

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



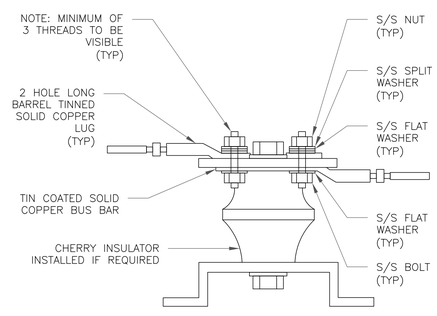
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



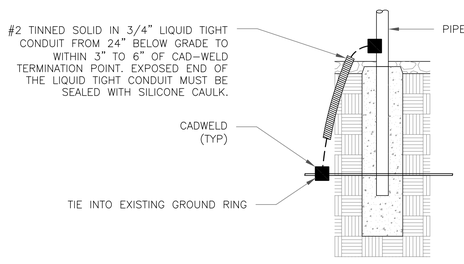
NOTES:

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
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
469065

BU #: **845455**
OXFORD-QUAKER FARMS

85 QUAKER FARMS ROAD
OXFORD, CT 06478

EXISTING 149'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	7/22/22	GAC	CONSTRUCTION	CV

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
7/22/22

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/23

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **June 30, 2022**

Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
724-416-2000

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate** **Site Name:**	 Seymour West, CT
Crown Castle Designation:	**BU Number:** **Site Name:** **JDE Job Number:** **Work Order Number:** **Order Number:**	845455 OXFORD-QUAKER FARMS 722449 2132246 623011 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number:**	2132246
Site Data:	**85 QUAKER FARMS ROAD, OXFORD, NEW HAVEN County, CT** **Latitude *41° 23' 2.36"*, Longitude *-73° 8' 14.54"*** **149 Foot - Monopole Tower**	

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

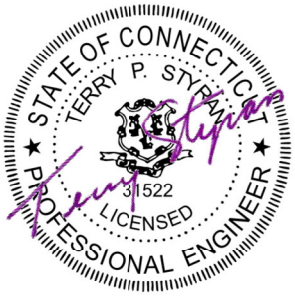
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity-95.1%**

This analysis utilizes an ultimate 3-second gust wind speed of 118 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: Subhash Mandal

Respectfully submitted by:



Terry P. Styran, P.E.
Senior Project Engineer

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 149 ft Monopole tower designed by PAUL J FORD.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	118 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)
122.0	123.0	2	raycap	RRFDC-3315-PF-48	2	1-1/4
118.0	120.0	3	antel	BXA-80080/6CF w/ Mount Pipe	18	1-5/8
		6	jma wireless	MX06FRO660-03 w/ Mount Pipe		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		
	118.0	1	-	(3) 5.33' integrated mount w/modifications		

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)
149.0	150.0	3	ericsson	RADIO 4415 B30	6 1 1 3	1-5/8 3/8 1/2 3/4
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A		
		6	powerwave technologies	LGP21401		
		1	raycap	DC6-48-60-18-8F		
		1	raycap	DC9-48-60-24-PC16-EV		
	149.0	1	tower mounts	Pipe Mount [PM 501-3]		
		1	tower mounts	T-Arm Mount [TA 702-3]		
	148.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		3	commscope	NNH4-65B-R6 w/ Mount Pipe		
144.0	148.0	3	ericsson	RRUS 12 B2	1 2 1	3/8 3/4 RC
	145.0	3	ericsson	RRUS 11 B12		
	144.0	1	raycap	DC6-48-60-18-8F		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		1	tower mounts	Pipe Mount [PM 601-3]		
135.0	140.0	6	powerwave technologies	LGP13519	6	1-5/8
	135.0	3	powerwave technologies	RA21.7770.00 w/ Mount Pipe		
		1	tower mounts	Side Arm Mount [SO 104-3]		
127.0	132.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	18	1-1/4 1-5/8
		3	ericsson	RADIO 4415 B66A_CCIV3		
		3	ericsson	RADIO 4424 B25_TMO		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	rfs celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
	127.0	3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		1	tower mounts	Platform Mount [LP 301-1]		
111.0	111.0	3	fujitsu	TA08025-B604	1	1-1/2
		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		
81.0	81.0	1	PCTEL	MPRC2449	3	1/2
		2	tower mounts	Pipe Mount [PM 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4546778	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	5113091	CCISITES
4-TOWER MANUFACTURER DRAWINGS	5110795	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	149 - 111.5	Pole	TP29.487x23x0.1875	1	-11.27	1047.35	42.3	Pass
L2	111.5 - 75.25	Pole	TP35.383x28.4633x0.2188	2	-19.88	1466.49	93.3	Pass
L3	75.25 - 39.75	Pole	TP41.086x34.167x0.2813	3	-27.60	2187.66	95.1	Pass
L4	39.75 - 0	Pole	TP47.4x39.6154x0.375	4	-41.29	3438.05	81.9	Pass
							Summary	
						Pole (L3)	95.1	Pass
						Rating =	95.1	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	89.6	Pass
1	Base Plate	0	67.5	Pass
1	Base Foundation (Structure)	0	41.3	Pass
1	Base Foundation (Soil Interaction)	0	77.4	Pass

Structure Rating (max from all components) =	**95.1%**

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

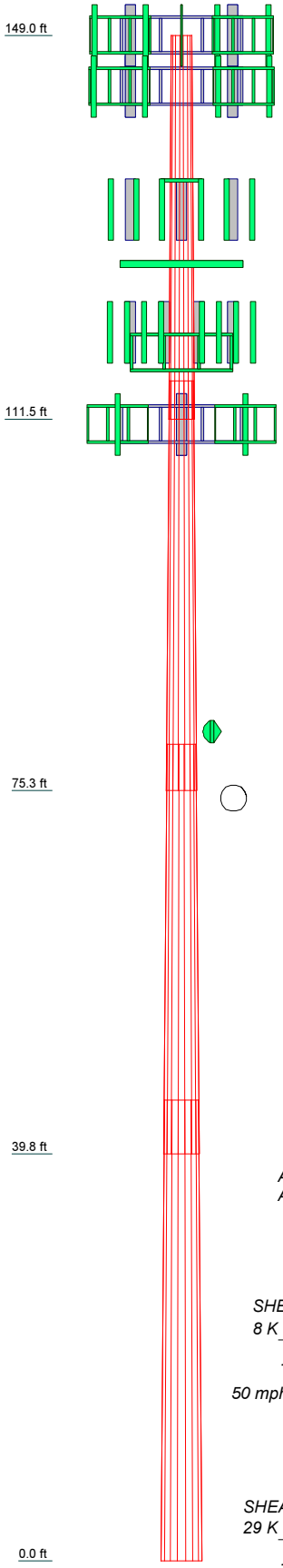
4.1) Recommendations

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	37.50	18	0.1875	3.75	23.0000	29.4870	A607-65	2.0
2	40.00	18	0.2188	4.50	28.4633	35.3830		3.0
3	40.00	18	0.2813	5.25	34.1670	41.0860		4.5
4	45.00	18	0.3750		39.6154	47.4000		7.9
								17.4



ALL REACTIONS ARE FACTORED

AXIAL 61 K

SHEAR 8 K *MOMENT 872 kip-ft*

TORQUE 0 kip-ft

50 mph WIND - 1.0000 in ICE

AXIAL 41 K

SHEAR 29 K *MOMENT 3146 kip-ft*

TORQUE 2 kip-ft

REACTIONS - 118 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 118 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: 95.1%

CROWN CASTLE
The Pathway to Possible

Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
Phone: 724-416-2000
FAX: -

Job: **BU# 845455**			
Project:			
Client: Crown Castle	Drawn by: S.Mandal		App'd:
Code: TIA-222-H	Date: 06/30/22		Scale: NTS
Path: C:\WIP\845455\WO 2132246 - SA\Prod\845455_RPA.en			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: 607.00 ft.
- Basic wind speed of 118 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	149.00-111.50	37.50	3.75	18	23.0000	29.4870	0.1875	0.7500	A607-65 (65 ksi)
L2	111.50-75.25	40.00	4.50	18	28.4633	35.3830	0.2188	0.8750	A607-65 (65 ksi)
L3	75.25-39.75	40.00	5.25	18	34.1670	41.0860	0.2813	1.1250	A607-65 (65 ksi)
L4	39.75-0.00	45.00		18	39.6154	47.4000	0.3750	1.5000	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	23.3259	13.5763	892.6152	8.0984	11.6840	76.3964	1786.4050	6.7894	3.7180	19.829
	29.9130	17.4369	1891.1513	10.4013	14.9794	126.2502	3784.7910	8.7201	4.8597	25.918
L2	29.5274	19.6105	1976.4982	10.0268	14.4594	136.6934	3955.5970	9.8071	4.6245	21.141
	35.8951	24.4150	3814.1390	12.4833	17.9746	212.1965	7633.2967	12.2098	5.8424	26.708
L3	35.4411	30.2494	4388.2314	12.0295	17.3569	252.8241	8782.2369	15.1276	5.5184	19.621
	41.6764	36.4259	7662.4750	14.4857	20.8717	367.1229	15335.0324	18.2164	6.7361	23.951
L4	41.0909	46.7059	9086.0569	13.9303	20.1246	451.4897	18184.0695	23.3574	6.3123	16.833
	48.0734	55.9715	15637.3103	16.6939	24.0792	649.4115	31295.1965	27.9911	7.6824	20.486

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 149.00-111.50				1	1	1			
L2 111.50-75.25				1	1	1			
L3 75.25-39.75				1	1	1			
L4 39.75-0.00				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
** 122 + 118 **										
HB158-1-08U8-S8J18(1-5/8)	C	No	Surface Ar (CaAa)	118.00 - 0.00	8	6	-0.300 0.000	1.9800		1.30
HB158-1-08U8-S8J18(1-5/8)	C	No	Surface Ar (CaAa)	122.00 - 118.00	2	2	-0.100 0.000	1.9800		1.30
** 127 ft **										
AVA7-50(1-5/8)	B	No	Surface Ar (CaAa)	127.00 - 0.00	2	2	0.500 0.500	2.0100		0.70
HB114-U6S12-XXX-LI(1-1/4)	B	No	Surface Ar (CaAa)	127.00 - 0.00	1	1	0.400 0.410	1.5400		1.70
********** ********										

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
** 80 ft **									
LDF4-50A(1/2)	A	No	No	Inside Pole	80.00 - 0.00	3	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF7-50A(1-5/8)	C	No	No	Inside Pole	118.00 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
LDF7-50A(1-5/8)	B	No	No	Inside Pole	127.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
** 135 **									
AVA7-50(1-5/8)	C	No	No	Inside Pole	135.00 - 0.00	6	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
** 149 **									
LDF4-50A(1/2)	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF7-50A(1-5/8)	C	No	No	Inside Pole	149.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	149.00 - 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)	C	No	No	Inside Pole	149.00 - 0.00	3	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
** 144 **									
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	144.00 - 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)	C	No	No	Inside Pole	144.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
2" Flex Conduit	C	No	No	Inside Pole	144.00 - 0.00	1	No Ice	0.00	0.36
							1/2" Ice	0.00	0.36
							1" Ice	0.00	0.36
** 111 **									
CU12PSM9P6XXX (1-1/2)	A	No	No	Inside Pole	111.00 - 0.00	1	No Ice	0.00	2.35
							1/2" Ice	0.00	2.35
							1" Ice	0.00	2.35
********** **********									

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	149.00-111.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	8.618	0.000	0.12
		C	0.000	0.000	9.306	0.000	0.55
L2	111.50-75.25	A	0.000	0.000	0.000	0.000	0.09
		B	0.000	0.000	20.155	0.000	0.29
		C	0.000	0.000	43.065	0.000	1.19
L3	75.25-39.75	A	0.000	0.000	0.000	0.000	0.10
		B	0.000	0.000	19.738	0.000	0.28
		C	0.000	0.000	42.174	0.000	1.17
L4	39.75-0.00	A	0.000	0.000	0.000	0.000	0.11
		B	0.000	0.000	22.101	0.000	0.32
		C	0.000	0.000	47.223	0.000	1.31

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	149.00-111.50	A	0.975	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	16.974	0.000	0.25
		C		0.000	0.000	14.191	0.000	0.67
L2	111.50-75.25	A	0.943	0.000	0.000	0.000	0.000	0.09
		B		0.000	0.000	39.697	0.000	0.60
		C		0.000	0.000	62.664	0.000	1.72
L3	75.25-39.75	A	0.898	0.000	0.000	0.000	0.000	0.10
		B		0.000	0.000	38.366	0.000	0.57
		C		0.000	0.000	61.085	0.000	1.67
L4	39.75-0.00	A	0.809	0.000	0.000	0.000	0.000	0.11
		B		0.000	0.000	42.163	0.000	0.62
		C		0.000	0.000	67.955	0.000	1.84

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	149.00-111.50	1.9919	2.5767	1.9112	2.2007
L2	111.50-75.25	4.0373	6.6223	3.6214	5.2320
L3	75.25-39.75	4.2935	7.0195	3.8907	5.6223
L4	39.75-0.00	4.5150	7.3630	4.1167	5.9648

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	4	HB158-1-08U8-S8J18(1-5/8)	111.50 - 118.00	1.0000	1.0000
L1	5	HB158-1-08U8-S8J18(1-5/8)	118.00 - 122.00	1.0000	1.0000
L1	8	AVA7-50(1-5/8)	111.50 - 127.00	1.0000	1.0000
L1	10	HB114-U6S12-XXX-LI(1-1/4)	111.50 - 127.00	1.0000	1.0000
L2	4	HB158-1-08U8-S8J18(1-5/8)	75.25 - 111.50	1.0000	1.0000
L2	8	AVA7-50(1-5/8)	75.25 - 111.50	1.0000	1.0000
L2	10	HB114-U6S12-XXX-LI(1-1/4)	75.25 - 111.50	1.0000	1.0000
L3	4	HB158-1-08U8-S8J18(1-5/8)	39.75 - 75.25	1.0000	1.0000
L3	8	AVA7-50(1-5/8)	39.75 - 75.25	1.0000	1.0000
L3	10	HB114-U6S12-XXX-LI(1-1/4)	39.75 - 75.25	1.0000	1.0000
L4	4	HB158-1-08U8-S8J18(1-5/8)	0.00 - 39.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L4	8	AVA7-50(1-5/8)	0.00 - 39.75	1.0000	1.0000
L4	10	HB114-U6S12-XXX-LI(1-1/4)	0.00 - 39.75	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
*** 149 - ATT ***					
T-Arm Mount [TA 702-3]	C	None		0.0000	149.00
Pipe Mount [PM 501-3]	C	None		0.0000	149.00
DMP65R-BU6D w/ Mount Pipe	A	From Leg	3.00 0.00 -1.00	0.0000	149.00
DMP65R-BU6D w/ Mount Pipe	B	From Leg	3.00 0.00 -1.00	0.0000	149.00
DMP65R-BU6D w/ Mount Pipe	C	From Leg	3.00 0.00 -1.00	0.0000	149.00
NNH4-65B-R6 w/ Mount Pipe	A	From Leg	3.00 0.00 -1.00	0.0000	149.00
NNH4-65B-R6 w/ Mount Pipe	B	From Leg	3.00 0.00 -1.00	0.0000	149.00
NNH4-65B-R6 w/ Mount Pipe	C	From Leg	3.00 0.00 -1.00	0.0000	149.00
RADIO 4415 B30	A	From Leg	1.00 0.00 1.00	0.0000	149.00
RADIO 4415 B30	B	From Leg	1.00 0.00 1.00	0.0000	149.00
RADIO 4415 B30	C	From Leg	1.00 0.00 1.00	0.0000	149.00
(2) LGP21401	A	From Leg	3.00 0.00 1.00	0.0000	149.00
(2) LGP21401	B	From Leg	3.00 0.00 1.00	0.0000	149.00
(2) LGP21401	C	From Leg	3.00 0.00 1.00	0.0000	149.00
RRUS 8843 B2/B66A	A	From Leg	1.00 0.00 1.00	0.0000	149.00
RRUS 8843 B2/B66A	B	From Leg	1.00 0.00 1.00	0.0000	149.00
RRUS 8843 B2/B66A	C	From Leg	1.00 0.00 1.00	0.0000	149.00
RRUS 4449 B5/B12	A	From Leg	1.00	0.0000	149.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.00 1.00		
RRUS 4449 B5/B12	B	From Leg	1.00 0.00	0.0000	149.00
			1.00		
RRUS 4449 B5/B12	C	From Leg	1.00 0.00	0.0000	149.00
			1.00		
DC9-48-60-24-PC16-EV	A	From Leg	1.00 0.00	0.0000	149.00
			1.00		
DC6-48-60-18-8F	A	From Leg	1.00 0.00	0.0000	149.00
			1.00		
** 144 **					
RRUS 11 B12	A	From Leg	1.00 0.00	0.0000	144.00
			1.00		
RRUS 11 B12	B	From Leg	1.00 0.00	0.0000	144.00
			1.00		
RRUS 11 B12	C	From Leg	1.00 0.00	0.0000	144.00
			1.00		
RRUS 12 B2	A	From Leg	1.00 0.00	0.0000	144.00
			4.00		
RRUS 12 B2	B	From Leg	1.00 0.00	0.0000	144.00
			4.00		
RRUS 12 B2	C	From Leg	1.00 0.00	0.0000	144.00
			4.00		
DC6-48-60-18-8F	A	From Leg	1.00 0.00	0.0000	144.00
			0.00		
Pipe Mount [PM 601-3]	C	None		0.0000	144.00
** 135 - ATT **					
RA21.7770.00 w/ Mount Pipe	A	From Leg	1.00 0.00	0.0000	135.00
			0.00		
RA21.7770.00 w/ Mount Pipe	B	From Leg	1.00 0.00	0.0000	135.00
			0.00		
RA21.7770.00 w/ Mount Pipe	C	From Leg	1.00 0.00	0.0000	135.00
			0.00		
(2) LGP13519	A	From Leg	1.00 0.00	0.0000	135.00
			5.00		
(2) LGP13519	B	From Leg	1.00 0.00	0.0000	135.00
			5.00		
(2) LGP13519	C	From Leg	1.00 0.00	0.0000	135.00
			5.00		
4.5' x 2" Mount Pipe	A	From Leg	1.00 0.00	0.0000	135.00
			0.00		
4.5' x 2" Mount Pipe	B	From Leg	1.00 0.00	0.0000	135.00
			0.00		
4.5' x 2" Mount Pipe	C	From Leg	1.00 0.00	0.0000	135.00
			0.00		

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft
Side Arm Mount [SO 104-3]	C	None		0.0000	135.00
** 127 - TMO **					
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	127.00
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	127.00
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	127.00
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Leg	4.00 0.00 5.00	0.0000	127.00
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Leg	4.00 0.00 5.00	0.0000	127.00
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Leg	4.00 0.00 5.00	0.0000	127.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 5.00	0.0000	127.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 5.00	0.0000	127.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4415 B66A_CCIV3	A	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4415 B66A_CCIV3	B	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4415 B66A_CCIV3	C	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4424 B25_TMO	A	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4424 B25_TMO	B	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4424 B25_TMO	C	From Leg	4.00 0.00 5.00	0.0000	127.00
Platform Mount [LP 301-1]	C	None		0.0000	127.00
** 122 **					
(2) RRFDC-3315-PF-48	A	From Leg	4.00 0.00 1.00	0.0000	122.00
** 118 - VZW **					
(2) MX06FRO660-03 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	118.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
(2) MX06FRO660-03 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	118.00
(2) MX06FRO660-03 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	118.00
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	118.00
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	118.00
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	118.00
RF4439D-25A	A	From Leg	4.00 0.00 2.00	0.0000	118.00
RF4439D-25A	B	From Leg	4.00 0.00 2.00	0.0000	118.00
RF4439D-25A	C	From Leg	4.00 0.00 2.00	0.0000	118.00
RF4440D-13A	A	From Leg	4.00 0.00 2.00	0.0000	118.00
RF4440D-13A	B	From Leg	4.00 0.00 2.00	0.0000	118.00
RF4440D-13A	C	From Leg	4.00 0.00 2.00	0.0000	118.00
BXA-80080/6CF w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	118.00
BXA-80080/6CF w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	118.00
BXA-80080/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	118.00
5.33' integrated mount w/modifications	C	None		0.0000	118.00
(2) 7' x 2" Mount Pipe	A	From Leg	3.00 0.00 0.00	0.0000	118.00
(2) 7' x 2" Mount Pipe	B	From Leg	3.00 0.00 0.00	0.0000	118.00
(2) 7' x 2" Mount Pipe	C	From Leg	3.00 0.00 0.00	0.0000	118.00
*** 111 - DISH ***					
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	111.00
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	111.00
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	111.00
TA08025-B604	A	From Leg	4.00 0.00 0.00	0.0000	111.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
TA08025-B604	B	From Leg	4.00 0.00 0.00	0.0000	111.00
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	111.00
TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	111.00
TA08025-B605	B	From Leg	4.00 0.00 0.00	0.0000	111.00
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	111.00
RDIDC-9181-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	111.00
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	111.00
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	111.00
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	111.00
Commscope MC-PK8-DSH	A	None		0.0000	111.00
** 81 - Seymour CT ** ANT150D	B	From Leg	0.50 0.00 5.00	0.0000	81.00
6' x 2" Mount Pipe	A	From Leg	0.50 0.00 0.00	0.0000	81.00
Pipe Mount [PM 601-1]	A	From Leg	0.50 0.00 0.00	0.0000	81.00
6' x 2" Mount Pipe	A	From Leg	0.50 0.00 0.00	0.0000	81.00
Pipe Mount [PM 601-1]	A	From Leg	0.50 0.00 0.00	0.0000	81.00
****					

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft
80								
PCTEL MPRC2449	B	Paraboloid w/Radome	From Leg	1.00 0.00 0.00	0.0000		81.00	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
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	149 - 111.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.89	-0.22	1.32
			Max. Mx	8	-11.30	-271.75	0.35
			Max. My	2	-11.27	-0.06	274.58
			Max. Vy	20	-16.19	271.64	0.36
			Max. Vx	2	-16.35	-0.06	274.58
			Max. Torque	20			-1.31

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L2	111.5 - 75.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.56	-0.94	1.12
			Max. Mx	8	-19.95	-1007.03	0.31
			Max. My	2	-19.94	-0.29	1013.60
			Max. Vy	20	-23.01	1006.45	0.33
			Max. Vx	2	-23.00	-0.29	1013.60
			Max. Torque	20			-1.82
L3	75.25 - 39.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.95	-1.52	-0.13
			Max. Mx	20	-27.66	1854.50	-0.14
			Max. My	2	-27.66	0.13	1859.51
			Max. Vy	20	-25.68	1854.50	-0.14
			Max. Vx	2	-25.62	0.13	1859.51
			Max. Torque	20			-1.82
L4	39.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.70	-2.35	-1.95
			Max. Mx	20	-41.29	3076.46	-0.92
			Max. My	2	-41.29	0.64	3077.70
			Max. Vy	20	-28.39	3076.46	-0.92
			Max. Vx	2	-28.32	0.64	3077.70
			Max. Torque	20			-1.81

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	33	60.70	0.00	-7.90
	Max. H_x	20	41.32	28.34	0.00
	Max. H_z	3	30.99	0.02	28.27
	Max. M_x	2	3077.70	0.02	28.27
	Max. M_z	8	3074.48	-28.30	-0.00
	Max. Torsion	8	1.80	-28.30	-0.00
	Min. Vert	11	30.99	-24.33	-14.14
	Min. H_x	8	41.32	-28.30	-0.00
	Min. H_z	15	30.99	0.00	-28.23
	Min. M_x	14	-3076.78	0.00	-28.23
	Min. M_z	20	-3076.46	28.34	0.00
	Min. Torsion	20	-1.81	28.34	0.00

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	34.44	0.00	0.00	1.00	-0.64	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	41.32	-0.02	-28.27	-3077.70	0.64	0.24
0.9 Dead+1.0 Wind 0 deg - No Ice	30.99	-0.02	-28.27	-3029.27	0.84	0.24
1.2 Dead+1.0 Wind 30 deg - No Ice	41.32	14.53	-25.37	-2729.21	-1562.59	-0.72
0.9 Dead+1.0 Wind 30 deg - No Ice	30.99	14.53	-25.37	-2686.61	-1537.83	-0.72
1.2 Dead+1.0 Wind 60 deg - No Ice	41.32	24.48	-14.23	-1547.27	-2660.17	-1.46
0.9 Dead+1.0 Wind 60 deg - No Ice	30.99	24.48	-14.23	-1523.10	-2617.92	-1.46
1.2 Dead+1.0 Wind 90 deg -	41.32	28.30	0.00	1.56	-3074.48	-1.80

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
No Ice						
0.9 Dead+1.0 Wind 90 deg - No Ice	30.99	28.30	0.00	1.23	-3025.71	-1.80
1.2 Dead+1.0 Wind 120 deg - No Ice	41.32	24.33	14.14	1541.10	-2645.95	-1.69
0.9 Dead+1.0 Wind 120 deg - No Ice	30.99	24.33	14.14	1516.40	-2603.90	-1.69
1.2 Dead+1.0 Wind 150 deg - No Ice	41.32	14.04	24.48	2666.92	-1527.52	-1.12
0.9 Dead+1.0 Wind 150 deg - No Ice	30.99	14.04	24.48	2624.41	-1503.16	-1.12
1.2 Dead+1.0 Wind 180 deg - No Ice	41.32	-0.00	28.23	3076.78	-0.40	-0.24
0.9 Dead+1.0 Wind 180 deg - No Ice	30.99	-0.00	28.23	3027.76	-0.19	-0.24
1.2 Dead+1.0 Wind 210 deg - No Ice	41.32	-14.56	25.35	2729.94	1563.92	0.71
0.9 Dead+1.0 Wind 210 deg - No Ice	30.99	-14.56	25.35	2686.73	1539.57	0.71
1.2 Dead+1.0 Wind 240 deg - No Ice	41.32	-24.53	14.23	1549.82	2662.36	1.45
0.9 Dead+1.0 Wind 240 deg - No Ice	30.99	-24.53	14.23	1525.02	2620.51	1.45
1.2 Dead+1.0 Wind 270 deg - No Ice	41.32	-28.34	-0.00	0.92	3076.46	1.81
0.9 Dead+1.0 Wind 270 deg - No Ice	30.99	-28.34	-0.00	0.61	3028.08	1.81
1.2 Dead+1.0 Wind 300 deg - No Ice	41.32	-24.35	-14.15	-1539.72	2646.28	1.70
0.9 Dead+1.0 Wind 300 deg - No Ice	30.99	-24.35	-14.15	-1515.65	2604.63	1.70
1.2 Dead+1.0 Wind 330 deg - No Ice	41.32	-14.06	-24.51	-2667.58	1527.75	1.13
0.9 Dead+1.0 Wind 330 deg - No Ice	30.99	-14.06	-24.51	-2625.66	1503.79	1.13
1.2 Dead+1.0 Ice+1.0 Temp	60.70	0.00	-0.00	1.95	-2.35	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	60.70	-0.00	-7.91	-867.94	-2.24	0.06
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	60.70	3.93	-6.85	-751.03	-434.34	-0.17
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	60.70	6.81	-3.95	-432.71	-750.88	-0.35
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	60.70	7.87	0.00	2.05	-867.24	-0.43
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	60.70	6.82	3.96	437.02	-751.66	-0.41
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	60.70	3.94	6.85	755.21	-434.96	-0.28
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	60.70	-0.00	7.90	871.18	-2.46	-0.06
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	60.70	-3.94	6.84	754.63	429.88	0.17
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	60.70	-6.82	3.95	436.69	746.61	0.35
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	60.70	-7.88	-0.00	1.91	862.92	0.43
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	60.70	-6.83	-3.96	-433.29	746.99	0.41
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	60.70	-3.94	-6.86	-751.91	430.26	0.28
Dead+Wind 0 deg - Service	34.44	-0.00	-6.89	-743.06	-0.33	0.06
Dead+Wind 30 deg - Service	34.44	3.54	-6.18	-658.92	-378.15	-0.18
Dead+Wind 60 deg - Service	34.44	5.96	-3.47	-373.21	-643.36	-0.37
Dead+Wind 90 deg - Service	34.44	6.89	0.00	1.09	-743.48	-0.45
Dead+Wind 120 deg - Service	34.44	5.93	3.44	373.14	-639.92	-0.42
Dead+Wind 150 deg - Service	34.44	3.42	5.96	645.23	-369.64	-0.28
Dead+Wind 180 deg -	34.44	-0.00	6.88	744.27	-0.58	-0.06

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
Service						
Dead+Wind 210 deg - Service	34.44	-3.55	6.17	660.53	377.52	0.18
Dead+Wind 240 deg - Service	34.44	-5.97	3.47	375.26	642.94	0.36
Dead+Wind 270 deg - Service	34.44	-6.90	-0.00	0.94	743.00	0.45
Dead+Wind 300 deg - Service	34.44	-5.93	-3.45	-371.38	639.03	0.42
Dead+Wind 330 deg - Service	34.44	-3.43	-5.97	-643.95	368.73	0.28

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	-34.44	0.00	0.00	34.44	0.00	0.000%
2	-0.02	-41.32	-28.27	0.02	41.32	28.27	0.000%
3	-0.02	-30.99	-28.27	0.02	30.99	28.27	0.000%
4	14.53	-41.32	-25.37	-14.53	41.32	25.37	0.000%
5	14.53	-30.99	-25.37	-14.53	30.99	25.37	0.000%
6	24.48	-41.32	-14.23	-24.48	41.32	14.23	0.000%
7	24.48	-30.99	-14.23	-24.48	30.99	14.23	0.000%
8	28.30	-41.32	0.00	-28.30	41.32	-0.00	0.000%
9	28.30	-30.99	0.00	-28.30	30.99	-0.00	0.000%
10	24.33	-41.32	14.14	-24.33	41.32	-14.14	0.000%
11	24.33	-30.99	14.14	-24.33	30.99	-14.14	0.000%
12	14.04	-41.32	24.48	-14.04	41.32	-24.48	0.000%
13	14.04	-30.99	24.48	-14.04	30.99	-24.48	0.000%
14	-0.00	-41.32	28.23	0.00	41.32	-28.23	0.000%
15	-0.00	-30.99	28.23	0.00	30.99	-28.23	0.000%
16	-14.56	-41.32	25.35	14.56	41.32	-25.35	0.000%
17	-14.56	-30.99	25.35	14.56	30.99	-25.35	0.000%
18	-24.53	-41.32	14.23	24.53	41.32	-14.23	0.000%
19	-24.53	-30.99	14.23	24.53	30.99	-14.23	0.000%
20	-28.34	-41.32	-0.00	28.34	41.32	0.00	0.000%
21	-28.34	-30.99	-0.00	28.34	30.99	0.00	0.000%
22	-24.35	-41.32	-14.15	24.35	41.32	14.15	0.000%
23	-24.35	-30.99	-14.15	24.35	30.99	14.15	0.000%
24	-14.06	-41.32	-24.51	14.06	41.32	24.51	0.000%
25	-14.06	-30.99	-24.51	14.06	30.99	24.51	0.000%
26	0.00	-60.70	0.00	-0.00	60.70	0.00	0.000%
27	-0.00	-60.70	-7.91	0.00	60.70	7.91	0.000%
28	3.93	-60.70	-6.85	-3.93	60.70	6.85	0.000%
29	6.81	-60.70	-3.95	-6.81	60.70	3.95	0.000%
30	7.87	-60.70	0.00	-7.87	60.70	-0.00	0.000%
31	6.82	-60.70	3.96	-6.82	60.70	-3.96	0.000%
32	3.94	-60.70	6.85	-3.94	60.70	-6.85	0.000%
33	-0.00	-60.70	7.90	0.00	60.70	-7.90	0.000%
34	-3.94	-60.70	6.84	3.94	60.70	-6.84	0.000%
35	-6.82	-60.70	3.95	6.82	60.70	-3.95	0.000%
36	-7.88	-60.70	-0.00	7.88	60.70	0.00	0.000%
37	-6.83	-60.70	-3.96	6.83	60.70	3.96	0.000%
38	-3.94	-60.70	-6.86	3.94	60.70	6.86	0.000%
39	-0.00	-34.44	-6.89	0.00	34.44	6.89	0.000%
40	3.54	-34.44	-6.18	-3.54	34.44	6.18	0.000%
41	5.96	-34.44	-3.47	-5.96	34.44	3.47	0.000%
42	6.89	-34.44	0.00	-6.89	34.44	-0.00	0.000%
43	5.93	-34.44	3.44	-5.93	34.44	-3.44	0.000%
44	3.42	-34.44	5.96	-3.42	34.44	-5.96	0.000%
45	-0.00	-34.44	6.88	0.00	34.44	-6.88	0.000%
46	-3.55	-34.44	6.17	3.55	34.44	-6.17	0.000%
47	-5.97	-34.44	3.47	5.97	34.44	-3.47	0.000%
48	-6.90	-34.44	-0.00	6.90	34.44	0.00	0.000%
49	-5.93	-34.44	-3.45	5.93	34.44	3.45	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
50	-3.43	-34.44	-5.97	3.43	34.44	5.97	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00004784
3	Yes	4	0.00000001	0.00083170
4	Yes	6	0.00000001	0.00052451
5	Yes	6	0.00000001	0.00015700
6	Yes	6	0.00000001	0.00053389
7	Yes	6	0.00000001	0.00016186
8	Yes	5	0.00000001	0.00030732
9	Yes	5	0.00000001	0.00014157
10	Yes	6	0.00000001	0.00050811
11	Yes	6	0.00000001	0.00015309
12	Yes	6	0.00000001	0.00052816
13	Yes	6	0.00000001	0.00016015
14	Yes	5	0.00000001	0.00005030
15	Yes	4	0.00000001	0.00084199
16	Yes	6	0.00000001	0.00053632
17	Yes	6	0.00000001	0.00016127
18	Yes	6	0.00000001	0.00051200
19	Yes	6	0.00000001	0.00015400
20	Yes	5	0.00000001	0.00031043
21	Yes	5	0.00000001	0.00014294
22	Yes	6	0.00000001	0.00053189
23	Yes	6	0.00000001	0.00016166
24	Yes	6	0.00000001	0.00051262
25	Yes	6	0.00000001	0.00015457
26	Yes	4	0.00000001	0.00001595
27	Yes	5	0.00000001	0.00092442
28	Yes	6	0.00000001	0.00021354
29	Yes	6	0.00000001	0.00021677
30	Yes	5	0.00000001	0.00092465
31	Yes	6	0.00000001	0.00021132
32	Yes	6	0.00000001	0.00021608
33	Yes	5	0.00000001	0.00092222
34	Yes	6	0.00000001	0.00021335
35	Yes	6	0.00000001	0.00020983
36	Yes	5	0.00000001	0.00091948
37	Yes	6	0.00000001	0.00021572
38	Yes	6	0.00000001	0.00021138
39	Yes	4	0.00000001	0.00019902
40	Yes	5	0.00000001	0.00014168
41	Yes	5	0.00000001	0.00015040
42	Yes	4	0.00000001	0.00036950
43	Yes	5	0.00000001	0.00013174
44	Yes	5	0.00000001	0.00014648
45	Yes	4	0.00000001	0.00019902
46	Yes	5	0.00000001	0.00015020
47	Yes	5	0.00000001	0.00013356
48	Yes	4	0.00000001	0.00036977
49	Yes	5	0.00000001	0.00014935
50	Yes	5	0.00000001	0.00013439

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	149 - 111.5	33.352	40	1.8608	0.0043
L2	115.25 - 75.25	20.556	40	1.7029	0.0033
L3	79.75 - 39.75	9.588	46	1.1731	0.0015
L4	45 - 0	2.972	46	0.6047	0.0006

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.00	T-Arm Mount [TA 702-3]	40	33.352	1.8608	0.0043	38177
144.00	RRUS 11 B12	40	31.398	1.8498	0.0042	38177
135.00	RA21.7770.00 w/ Mount Pipe	40	27.906	1.8247	0.0039	13634
127.00	APXVAARR24_43-U-NA20 w/ Mount Pipe	40	24.860	1.7899	0.0037	8676
122.00	(2) RRFDC-3315-PF-48	40	23.000	1.7591	0.0035	7069
118.00	(2) MX06FRO660-03 w/ Mount Pipe	40	21.541	1.7280	0.0034	6162
111.00	MX08FRO665-21 w/ Mount Pipe	40	19.066	1.6575	0.0031	5233
81.00	PCTEL MPRC2449	46	9.909	1.1947	0.0016	3423

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	149 - 111.5	137.767	4	7.7066	0.0171
L2	115.25 - 75.25	85.009	4	7.0562	0.0131
L3	79.75 - 39.75	39.683	16	4.8625	0.0062
L4	45 - 0	12.301	16	2.5044	0.0024

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.00	T-Arm Mount [TA 702-3]	4	137.767	7.7066	0.0171	9557
144.00	RRUS 11 B12	4	129.713	7.6616	0.0166	9557
135.00	RA21.7770.00 w/ Mount Pipe	4	115.319	7.5586	0.0157	3411
127.00	APXVAARR24_43-U-NA20 w/ Mount Pipe	4	102.762	7.4156	0.0148	2168
122.00	(2) RRFDC-3315-PF-48	4	95.089	7.2885	0.0141	1765
118.00	(2) MX06FRO660-03 w/ Mount Pipe	4	89.072	7.1601	0.0135	1537
111.00	MX08FRO665-21 w/ Mount Pipe	4	78.858	6.8688	0.0123	1301
81.00	PCTEL MPRC2449	16	41.009	4.9521	0.0064	840

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	149 - 111.5 (1)	TP29.487x23x0.1875	37.50	0.00	0.0	17.0508	-11.27	997.47	0.011
L2	111.5 - 75.25 (2)	TP35.383x28.4633x0.2188	40.00	0.00	0.0	23.8745	-19.88	1396.66	0.014
L3	75.25 - 39.75 (3)	TP41.086x34.167x0.2813	40.00	0.00	0.0	35.6152	-27.60	2083.49	0.013
L4	39.75 - 0 (4)	TP47.4x39.6154x0.375	45.00	0.00	0.0	55.9715	-41.29	3274.33	0.013

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	149 - 111.5 (1)	TP29.487x23x0.1875	274.58	639.10	0.430	0.00	639.10	0.000
L2	111.5 - 75.25 (2)	TP35.383x28.4633x0.2188	1019.80	1060.37	0.962	0.00	1060.37	0.000
L3	75.25 - 39.75 (3)	TP41.086x34.167x0.2813	1886.83	1917.64	0.984	0.00	1917.64	0.000
L4	39.75 - 0 (4)	TP47.4x39.6154x0.375	3146.18	3714.79	0.847	0.00	3714.79	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	149 - 111.5 (1)	TP29.487x23x0.1875	16.35	299.24	0.055	0.00	750.83	0.000
L2	111.5 - 75.25 (2)	TP35.383x28.4633x0.2188	23.41	419.00	0.056	0.77	1261.74	0.001
L3	75.25 - 39.75 (3)	TP41.086x34.167x0.2813	26.38	625.05	0.042	0.72	2183.88	0.000
L4	39.75 - 0 (4)	TP47.4x39.6154x0.375	29.28	982.30	0.030	0.71	4045.32	0.000

Pole Interaction Design Data

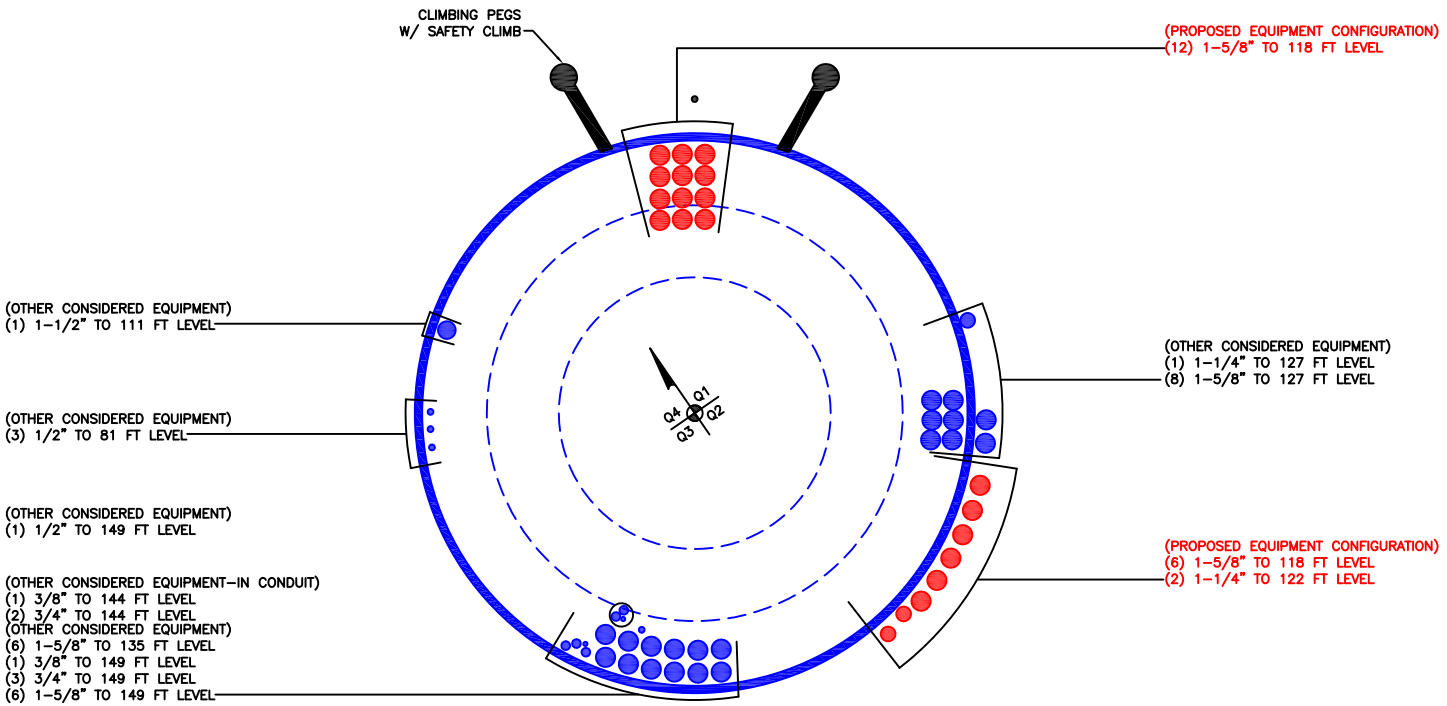
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	149 - 111.5 (1)	0.011	0.430	0.000	0.055	0.000	0.444	1.050	4.8.2
L2	111.5 - 75.25 (2)	0.014	0.962	0.000	0.056	0.001	0.979	1.050	4.8.2
L3	75.25 - 39.75 (3)	0.013	0.984	0.000	0.042	0.000	0.999	1.050	4.8.2
L4	39.75 - 0 (4)	0.013	0.847	0.000	0.030	0.000	0.860	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	149 - 111.5	Pole	TP29.487x23x0.1875	1	-11.27	1047.35	42.3	Pass
L2	111.5 - 75.25	Pole	TP35.383x28.4633x0.2188	2	-19.88	1466.49	93.3	Pass
L3	75.25 - 39.75	Pole	TP41.086x34.167x0.2813	3	-27.60	2187.66	95.1	Pass
L4	39.75 - 0	Pole	TP47.4x39.6154x0.375	4	-41.29	3438.05	81.9	Pass
							Summary	
						Pole (L3)	95.1	Pass
						RATING =	**95.1**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


CLIMBING PEGS
W/ SAFETY CLIMB
(PROPOSED EQUIPMENT CONFIGURATION)
(12) 1-5/8" TO 118 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 111 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(3) 1/2" TO 81 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 149 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(1) 3/8" TO 144 FT LEVEL
(2) 3/4" TO 144 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1-5/8" TO 135 FT LEVEL
(1) 3/8" TO 149 FT LEVEL
(3) 3/4" TO 149 FT LEVEL
(6) 1-5/8" TO 149 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/4" TO 127 FT LEVEL
(8) 1-5/8" TO 127 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(6) 1-5/8" TO 118 FT LEVEL
(2) 1-1/4" TO 122 FT LEVEL
Q1
Q2
Q3
Q4

APPENDIX C

ADDITIONAL CALCULATIONS

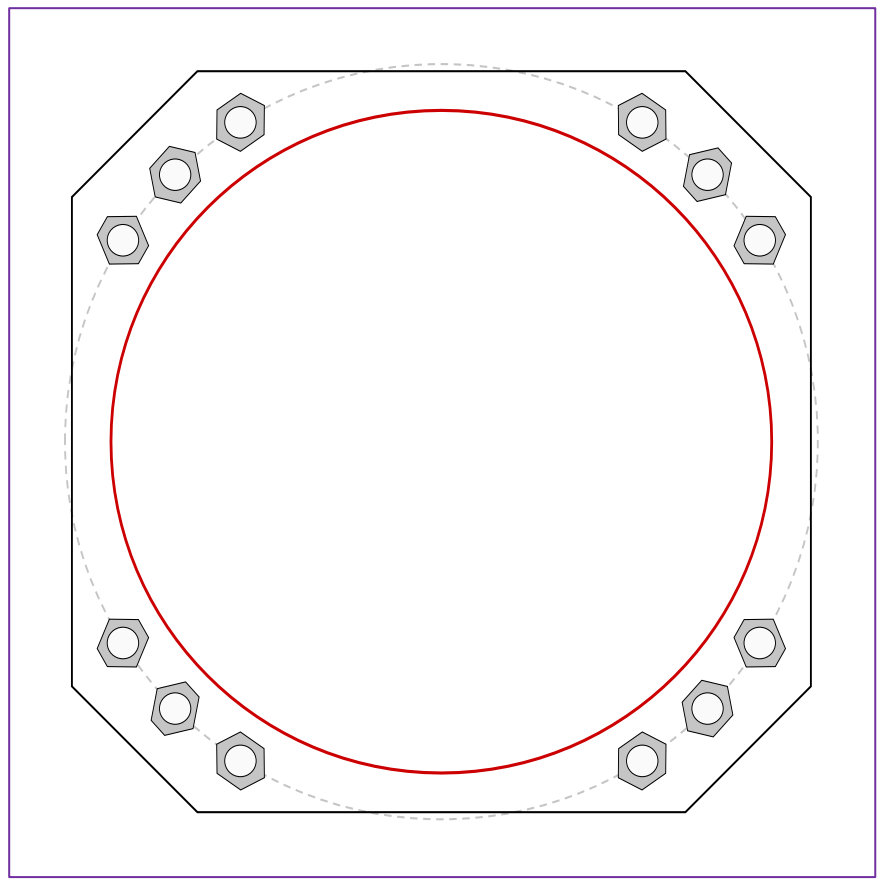
Monopole Base Plate Connection

Site Info	
BU #	845455
Site Name	XFORD-QUAKER FARM
Order #	623011 Rev.0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1

Applied Loads	
Moment (kip-ft)	3146.18
Axial Force (kips)	41.29
Shear Force (kips)	29.28

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 X; Fy=75 ksi, Fu=100 ksi) on 54" BC

Anchor Spacing: 6 in

Base Plate Data

53" W x 2.75" Plate (A572-60; Fy=60 ksi, Fu=75 ksi); Clip: 9 in

Stiffener Data

N/A

Pole Data

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

Analysis Results

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

Pu_t = 229.44	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.44	ϕVn = 149.1	**89.6%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	38.28	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**67.5%**	**Pass**

Pier and Pad Foundation

BU # :	845455
Site Name:	Oxford-Quaker Farı
App. Number:	623011 Rev.0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	41.32	kips
Base Shear, Vu_comp:	29.23	kips
Moment, M_u:	3146.18	ft-kips
Tower Height, **H**:	149	ft
BP Dist. Above Fdn, bp_{dist}:	3	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	32	
Pier Tie/Spiral Size, **St**:	5	
Pier Tie/Spiral Quantity, **mt**:	10	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	7.5	ft
Pad Width, W_1:	20	ft
Pad Thickness, **T**:	3.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	10	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	21	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

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

Soil Properties

Total Soil Unit Weight, γ:	125	pcf
Ultimate Gross Bearing, Qult:	30.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	36	degrees
SPT Blow Count, N_{blows}:	41	
Base Friction, μ:		
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	none	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	286.23	29.23	**9.7%**	**Pass**
Bearing Pressure (ksf)	22.50	4.63	**20.6%**	**Pass**
*Overturning (kip*ft)*	4376.20	3387.33	**77.4%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	7555.49	3277.72	**41.3%**	**Pass**
Pier Compression (kip)	23390.64	81.01	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	4295.05	1570.60	**34.8%**	**Pass**
Pad Shear - 1-way (kips)	731.44	300.86	**39.2%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	7386.86	1966.63	**25.4%**	**Pass**

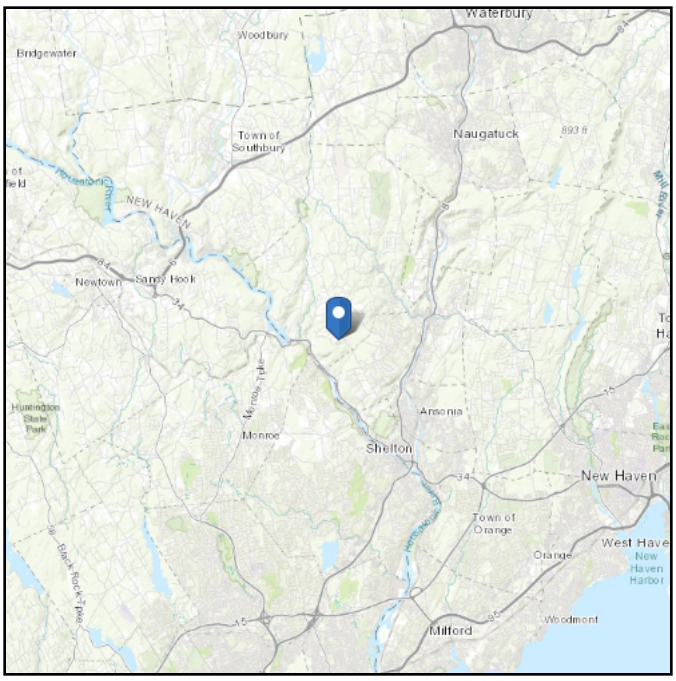
**Rating per TIA-222-H Section 15.5*

Structural Rating*:	**41.3%**
Soil Rating*:	**77.4%**

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Elevation:**	607.1 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.383989
Soil Class:	D - Default (see Section 11.4.3)	**Longitude:**	-73.137372



Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	97 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 Jun 30 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.

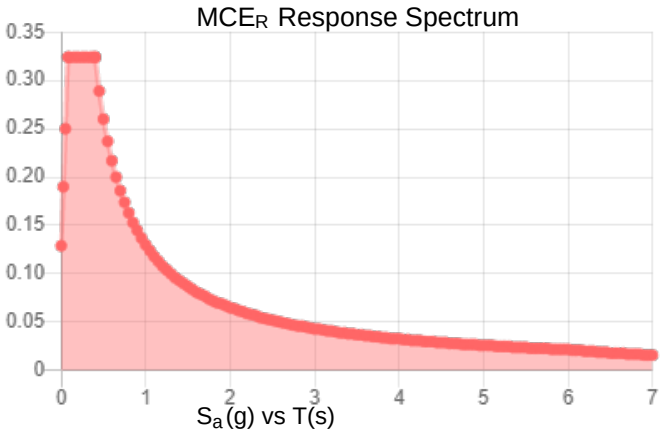
Seismic

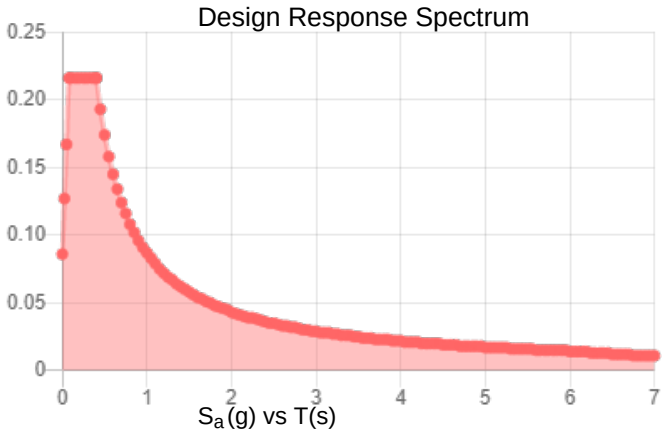
Site Soil Class: D - Default (see Section 11.4.3)

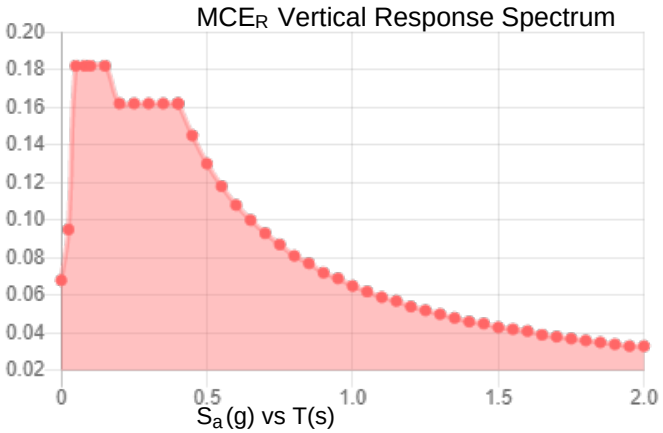
Results:

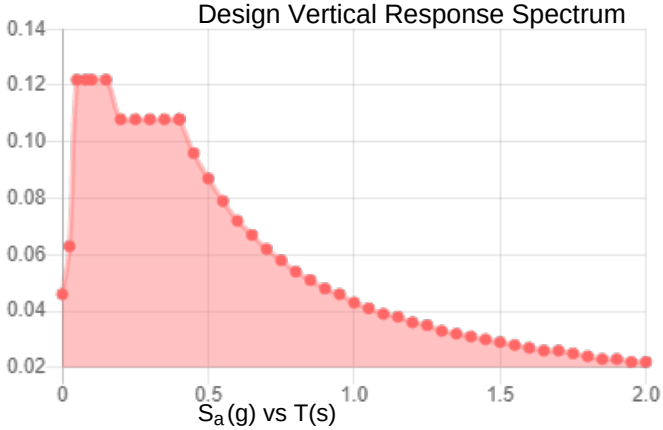
S_S :	0.202	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.113
F_v :	2.4	PGA_M :	0.179
S_{MS} :	0.324	F_{PGA} :	1.573
S_{M1} :	0.13	I_e :	1
S_{DS} :	0.216	C_v :	0.705

Seismic Design Category B









Data Accessed: **Thu Jun 30 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 Jun 30 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.

Exhibit E

Mount Analysis

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

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount Analysis

SMART Tool Project #: 10141838
Maser Consulting Connecticut Project #: 22777020A

May 25, 2022

Site Information	*Site ID:*	*469065-VZW / SEYMOUR WEST CT*
	Site Name:	*SEYMOUR WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*85 Quaker Farms Rd*
		Oxford, Connecticut 06478
		New Haven County
	Latitude:	*41.384000°*
	Longitude:	*-73.137361°*
Structure Information	*Tower Type:*	*147-Ft Monopole*
	Mount Type:	*5.33-Ft Integrated T-Frame*

FUZE ID # 16092567

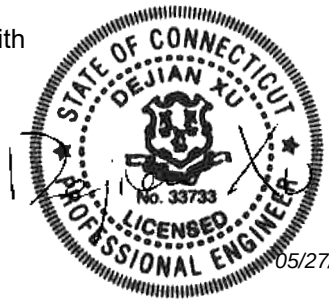
Analysis Results

Integrated T-Frame: **88.1%** **Pass w/ Hardware Upgrades***

*** 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: Breanna Smith



05/27/2022

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324827, dated May 17, 2022*
Mount Mapping Report	*Onsight Services, Site ID: 469065, dated April 8, 2022*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.978
Seismic Parameters:	S_S:	0.202 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
118.70	120.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4440d-13A	
		3	Samsung	RF4439d-25A	
		3	Amphenol Antel	BXA-80080-6CF	Retained
		2	Raycap	RRFDC-3315-PF-48*	

* Equipment is flush mounted directly to the Monopole. The equipment is not mounted on Integrated T-Frame mount and are not included in this mount analysis.

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. 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

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
Dual Mount Pipe	82.0%	Pass
Mount Pipe	88.1%	Pass
Face Horizontal	87.8%	Pass
Standoff Plate	57.9%	Pass
Standoff Horizontal	25.2%	Pass
Connection Check	27.4%	Pass

Structure Rating – ***(Controlling Utilization of all Components)***	**88.1%***

***** Results valid after hardware upgrades noted in the PMI Requirements are installed.

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	15.1	15.1	28.0	28.0
0.5	21.0	21.0	38.8	38.8
1	26.7	26.7	49.6	49.6

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 shown in attachment 2 upon the completion of the requirements listed below.

Contractor shall replace existing position 2 mount pipe with new 84" long P2 ½ STD pipe in all sectors. Install 28" from position 3 pipe. Top of pipe shall be 39" above top face horizontal. Attach using VZWSMART MSK1 crossover plates. Refer to placement diagrams. Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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 Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.

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 #: 469065 SMART Project #: 10141838 Fuze Project ID: 16092567

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

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

Base Requirements:

- If installation 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 mount drawings" showing contractor's name, contact information, 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 passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. 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.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation. Each entire sector shall 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.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

☐ 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.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

Contractor shall replace existing position 2 mount pipe with new 84” long P2 ½ STD pipe in all sectors. Install 28” from position 3 pipe. Top of pipe shall be 39” above top face horizontal. Attach using VZWSMART MSK1 crossover plates. Refer to placement diagrams. Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

Response:

Special Instruction Confirmation:

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

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) 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.

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

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

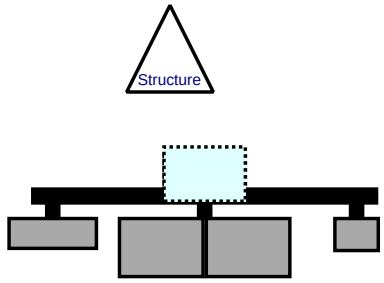
Structure: 469065-VZW - SEYMOUR WEST CT

Sector: **A** 5/25/2022

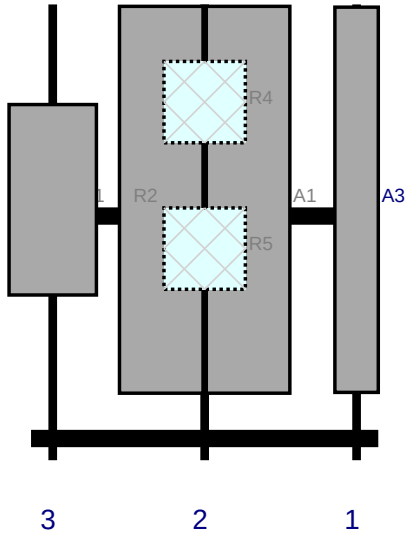
Structure Type: Monopole 10141838

Mount Elev: 118.70 Page: 1

Plan View

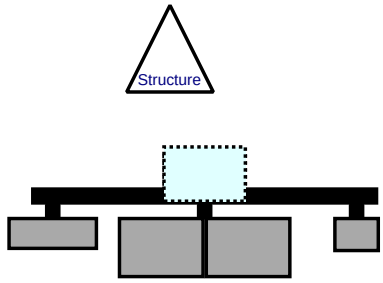


Front View - Looking at Structure

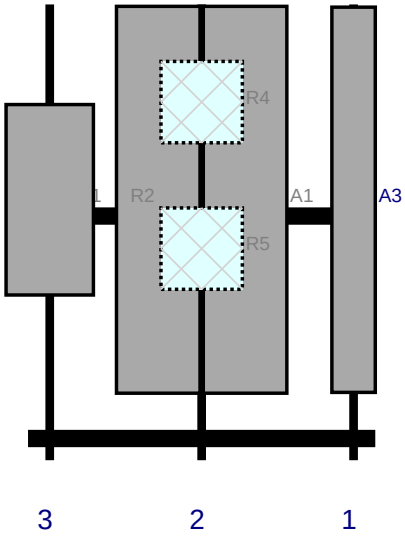


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	BXA-80080-6CF	71	8	60	1	a	Front	36	0	Retained	04/08/2022
A1	MX06FRO660-03	71.3	15.4	32	2	a	Front	36	-8	Added	
A1	MX06FRO660-03	71.3	15.4	32	2	b	Front	36	8	Added	
R4	RF4440d-13A	15	15	32	2	a	Behind	18	0	Added	
R5	RF4439d-25A	15	15	32	2	a	Behind	45	0	Added	
R2	MT6407-77A	35.1	16.1	4	3	a	Front	36	0	Added	

Plan View



Front View - Looking at Structure



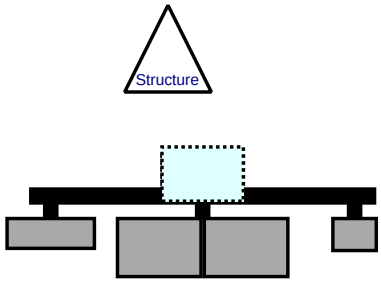
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	BXA-80080-6CF	71	8	60	1	a	Front	36	0	Retained	04/08/2022
A1	MX06FRO660-03	71.3	15.4	32	2	a	Front	36	-8	Added	
A1	MX06FRO660-03	71.3	15.4	32	2	b	Front	36	8	Added	
R4	RF4440d-13A	15	15	32	2	a	Behind	18	0	Added	
R5	RF4439d-25A	15	15	32	2	a	Behind	45	0	Added	
R2	MT6407-77A	35.1	16.1	4	3	a	Front	36	0	Added	

Sector: **C** 5/25/2022

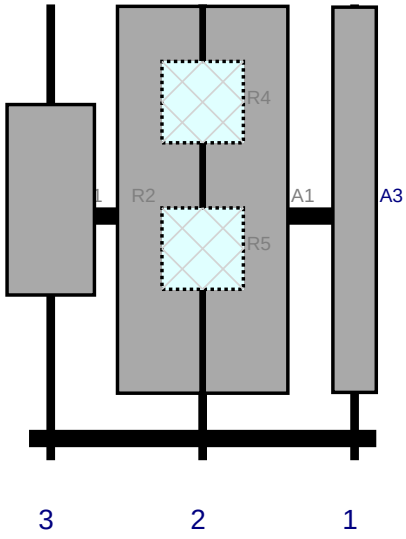
Structure Type: Monopole 10141838

Mount Elev: 118.70 Page: 3

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	BXA-80080-6CF	71	8	60	1	a	Front	36	0	Retained	04/08/2022
A1	MX06FRO660-03	71.3	15.4	32	2	a	Front	36	-8	Added	
A1	MX06FRO660-03	71.3	15.4	32	2	b	Front	36	8	Added	
R4	RF4440d-13A	15	15	32	2	a	Behind	18	0	Added	
R5	RF4439d-25A	15	15	32	2	a	Behind	45	0	Added	
R2	MT6407-77A	35.1	16.1	4	3	a	Front	36	0	Added	

V4.1 Updated on 12-17-2021

Antenna Mount Mapping Form (PATENT PENDING)

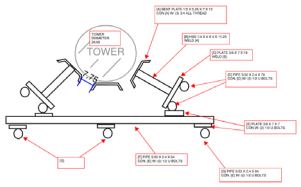
FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/8/2022
Site Name:	SEYMOUR WEST CT	**Tower Type:**	MONOPOLE
Site Number or ID:	469065	**Tower Height (Ft.):**	147
Mapping Contractor:	ONSIGHT SERVICES	**Mount Elevation (Ft.):**	120

Site Number: 469065

All measurements / offsets given in inches

TOP VIEW



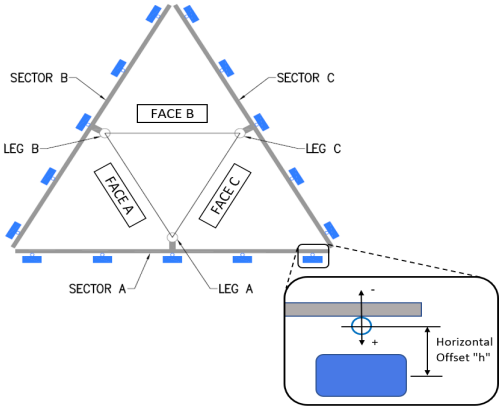
Mount Pipe Configuration and Geometries [Unit = Inches]

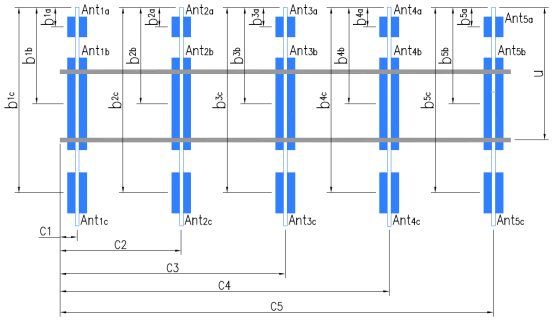
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4 X 5/32 X 84			C1	2.4 X 5/32 X 84		
A2	2.4 X 5/32 X 84			C2	2.4 X 5/32 X 84		
A3	2.4 X 5/32 X 84			C3	2.4 X 5/32 X 84		
A4				C4			
A5				C5			
A6				C6			
B1	2.4 X 5/32 X 84			D1			
B2	2.4 X 5/32 X 84			D2			
B3	2.4 X 5/32 X 84			D3			
B4				D4			
B5				D5			
B6				D6			

Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	7
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

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



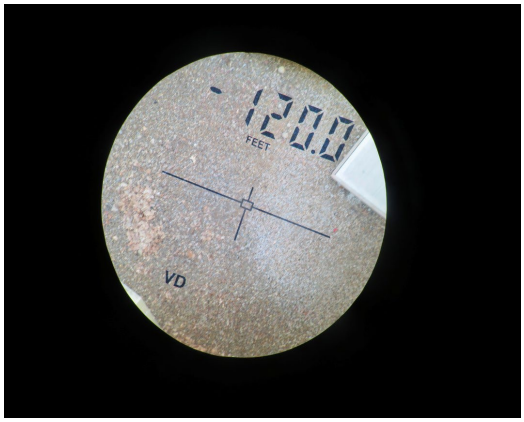


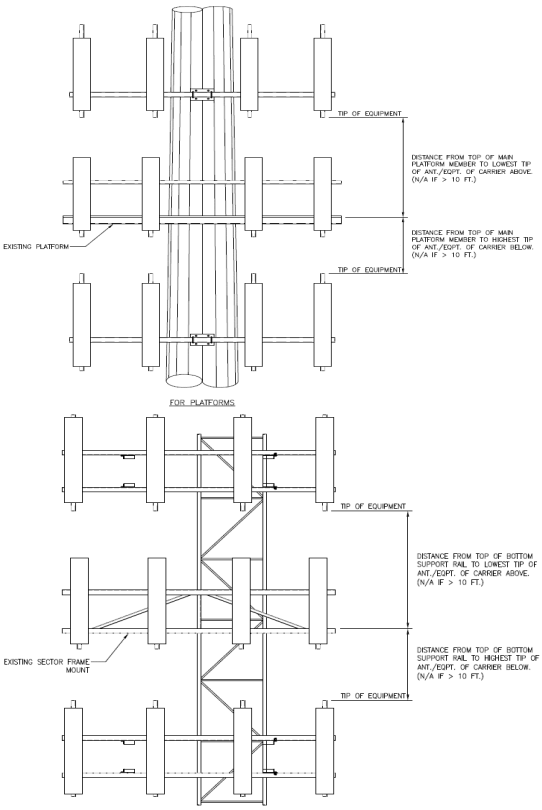
Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	AMPHENOL BXA-80080 16CF E DIN					122	42.00	11.00	60.00	115
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
Ant_{2b}	ALCATEL B4 RRH2x60-4R					124	18.00	-8.00	60.00	126
Ant_{2c}										
Ant_{3a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
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	RAYCAP RRFDC-3315-PF-48					128			0.00	135
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	60.00	Deg	Leg A:		Deg
Sector B:	180.00	Deg	Leg B:		Deg
Sector C:	300.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	70.00	Deg	
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.





Sector B										
Ant_{1a}	AMPHENOL BXA-80080 16CF E DIN					122	42.00	11.00	60.00	115
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
Ant_{2b}	ALCATEL B4 RRH2x60-4R					124	18.00	-8.00	60.00	126
Ant_{2c}										
Ant_{3a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
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	RAYCAP RRFDC-3315-PF-48					128			120.00	139
Ant on Tower										
Sector C										
Ant_{1a}	AMPHENOL BXA-80080 16CF E DIN					122	42.00	11.00	60.00	115
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
Ant_{2b}	ALCATEL B4 RRH2x60-4R					124	18.00	-8.00	60.00	126
Ant_{2c}										
Ant_{3a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
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										
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		
2		
3		
4		
5		
6		
7		
8		

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

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

SMART Tool© Vendor

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

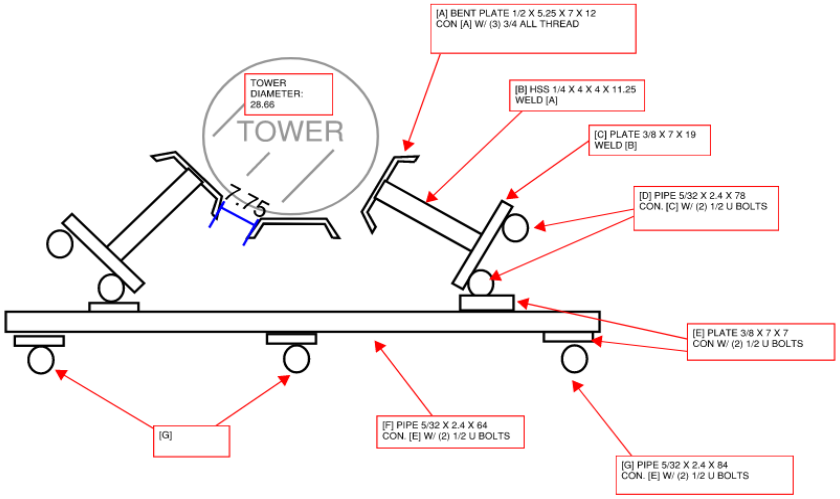
Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/8/2022
Site Name:	SEYMOUR WEST CT	**Tower Type:**	MONOPOLE
Site Number or ID:	469065	**Tower Height (Ft.):**	147
Mapping Contractor:	ONSIGHT SERVICES	**Mount Elevation (Ft.):**	120

Please Insert Sketches of the Antenna Mount

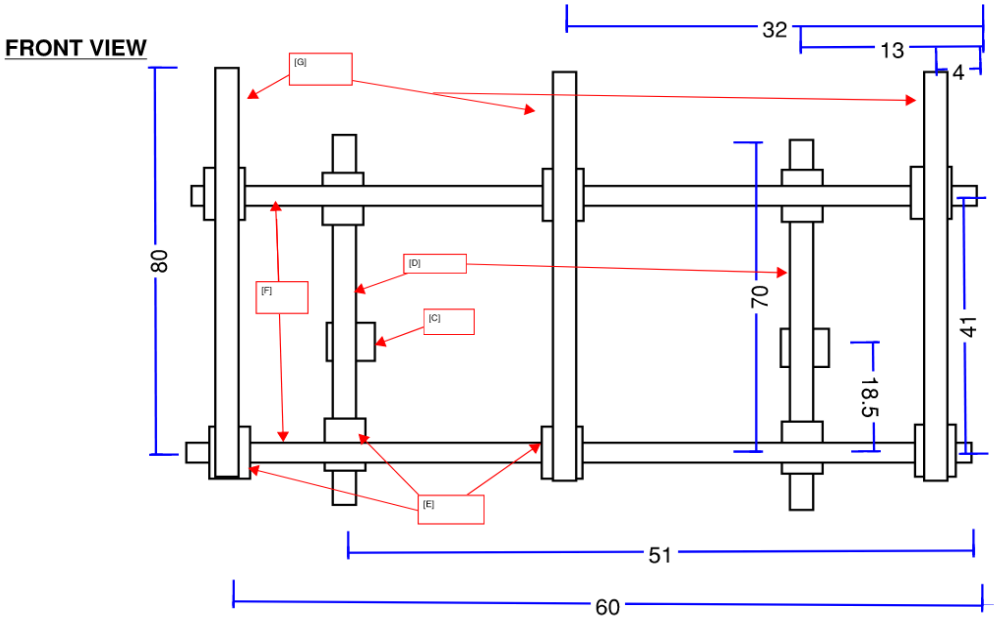
Site Number: 469065

All measurements / offsets given in inches

TOP VIEW



FRONT VIEW

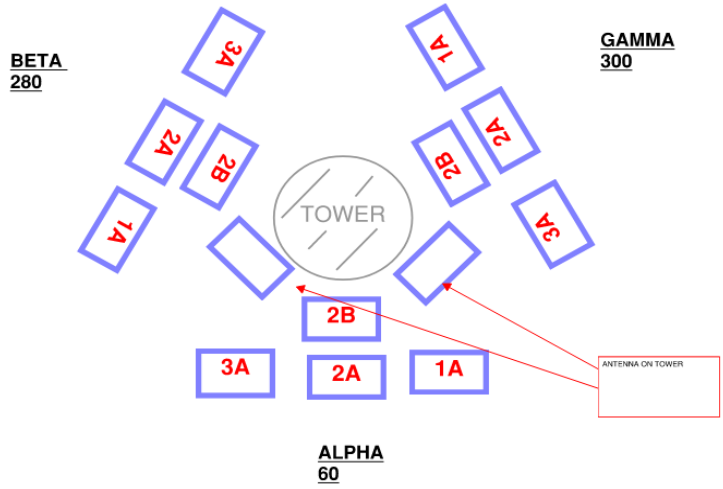


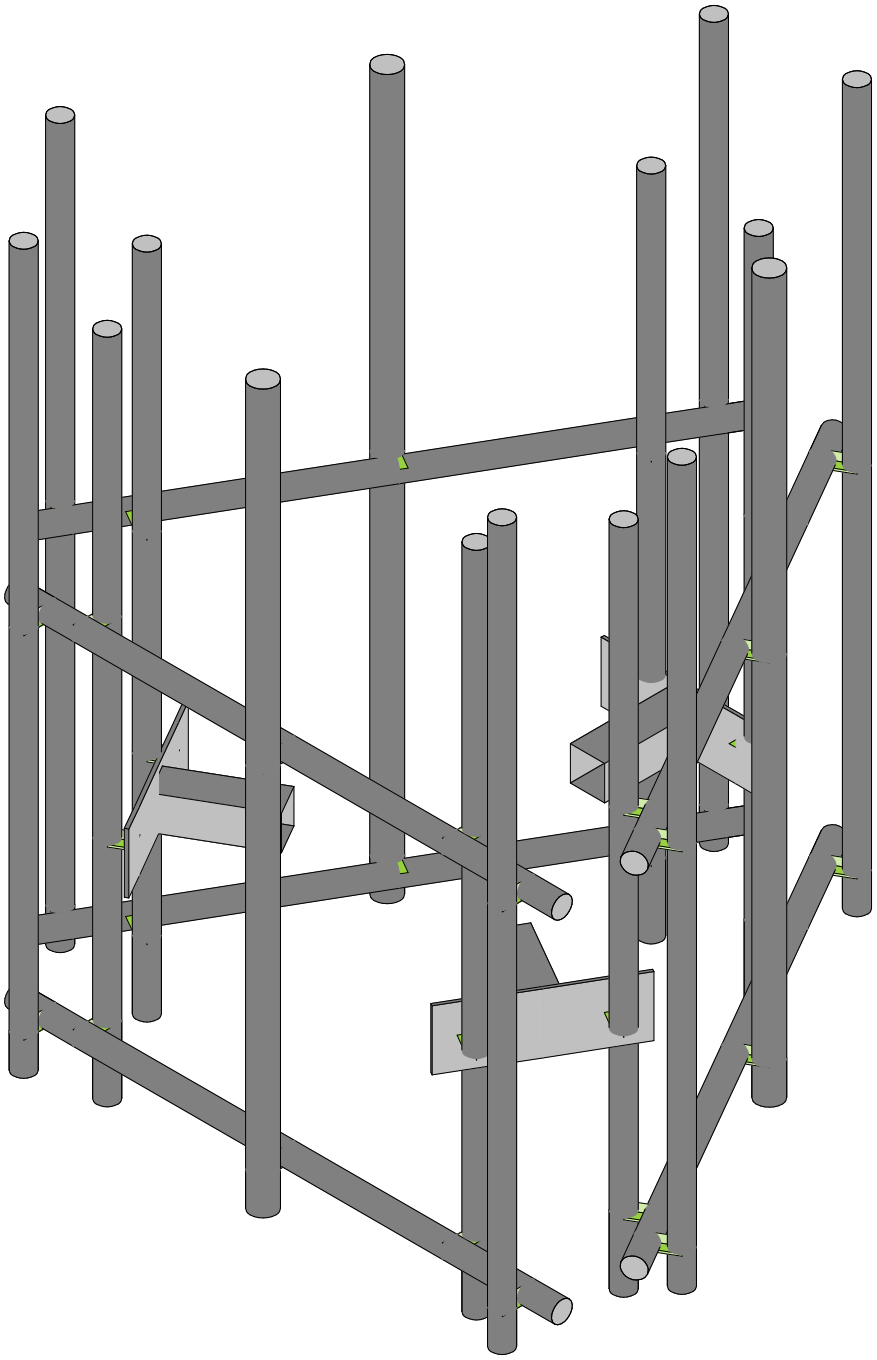
Please Insert Sketches of the Antenna Mount, cont'd

AZIMUTH

MCL: 120 FT
TOT: 147 FT

(18) 1-5/8" COAX
(2) 1.55" OD HYBRID





Envelope Only Solution

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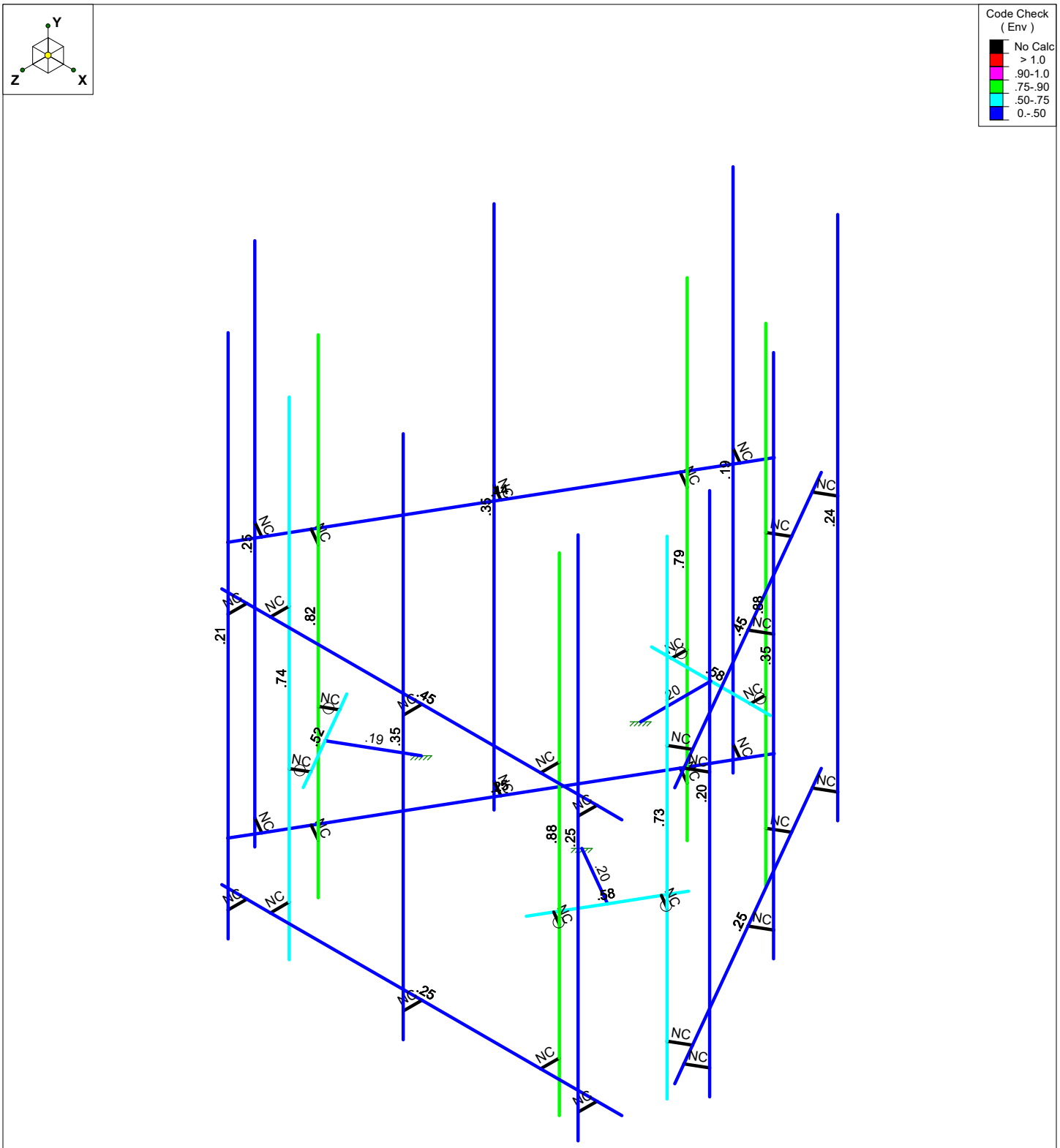
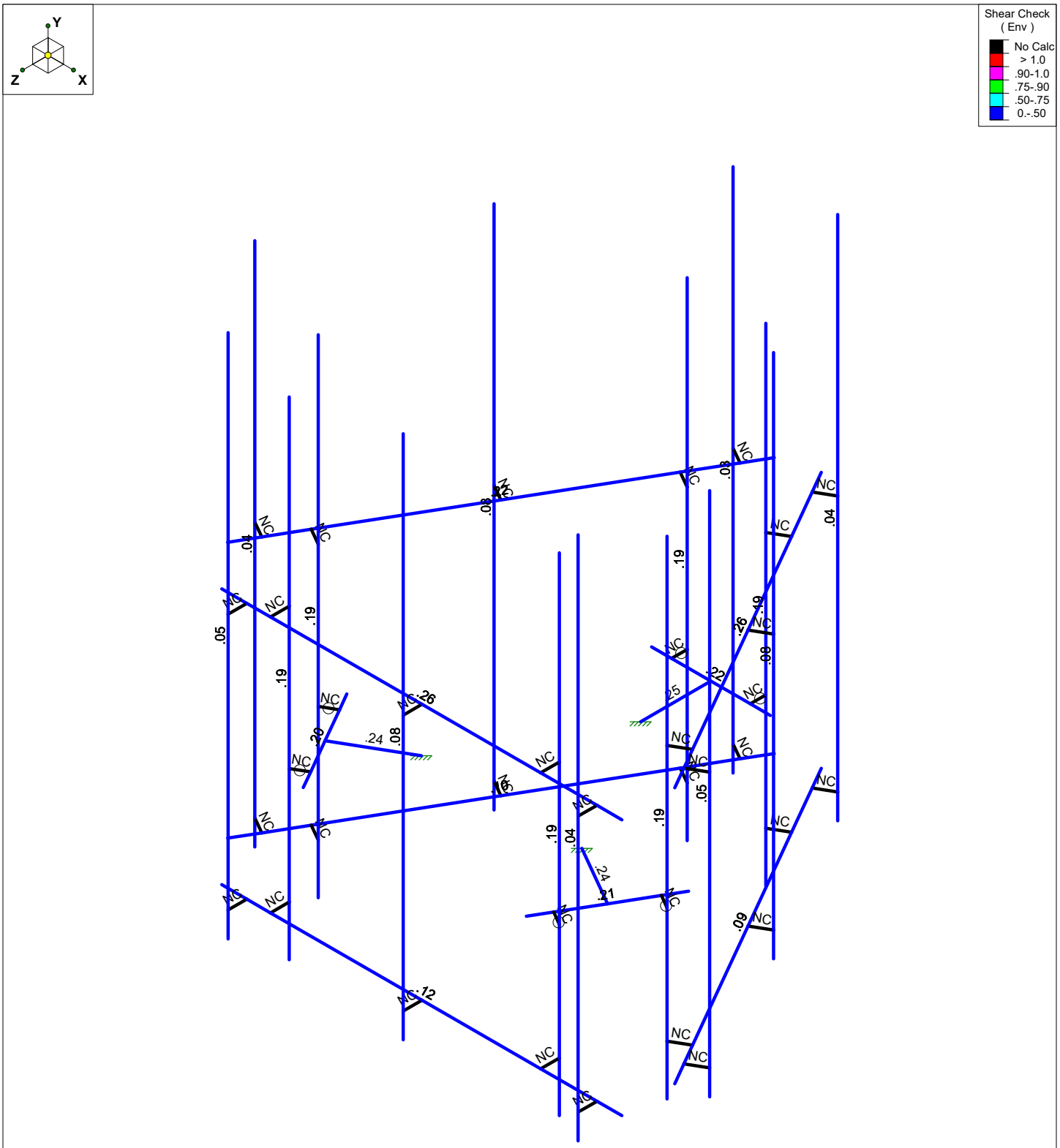
		May 25, 2022 at 3:47 PM
		469065-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

	469065-VZW_MT_LO_H	SK - 2
		May 25, 2022 at 3:47 PM
		469065-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

	469065-VZW_MT_LO_H	SK - 3
		May 25, 2022 at 3:47 PM
		469065-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					90			
2	Antenna Di	None					90			
3	Antenna Wo (0 Deg)	None					90			
4	Antenna Wo (30 Deg)	None					90			
5	Antenna Wo (60 Deg)	None					90			
6	Antenna Wo (90 Deg)	None					90			
7	Antenna Wo (120 Deg)	None					90			
8	Antenna Wo (150 Deg)	None					90			
9	Antenna Wo (180 Deg)	None					90			
10	Antenna Wo (210 Deg)	None					90			
11	Antenna Wo (240 Deg)	None					90			
12	Antenna Wo (270 Deg)	None					90			
13	Antenna Wo (300 Deg)	None					90			
14	Antenna Wo (330 Deg)	None					90			
15	Antenna Wi (0 Deg)	None					90			
16	Antenna Wi (30 Deg)	None					90			
17	Antenna Wi (60 Deg)	None					90			
18	Antenna Wi (90 Deg)	None					90			
19	Antenna Wi (120 Deg)	None					90			
20	Antenna Wi (150 Deg)	None					90			
21	Antenna Wi (180 Deg)	None					90			
22	Antenna Wi (210 Deg)	None					90			
23	Antenna Wi (240 Deg)	None					90			
24	Antenna Wi (270 Deg)	None					90			
25	Antenna Wi (300 Deg)	None					90			
26	Antenna Wi (330 Deg)	None					90			
27	Antenna Wm (0 Deg)	None					90			
28	Antenna Wm (30 Deg)	None					90			
29	Antenna Wm (60 Deg)	None					90			
30	Antenna Wm (90 Deg)	None					90			
31	Antenna Wm (120 Deg)	None					90			
32	Antenna Wm (150 Deg)	None					90			
33	Antenna Wm (180 Deg)	None					90			
34	Antenna Wm (210 Deg)	None					90			
35	Antenna Wm (240 Deg)	None					90			
36	Antenna Wm (270 Deg)	None					90			
37	Antenna Wm (300 Deg)	None					90			
38	Antenna Wm (330 Deg)	None					90			
39	Structure D	None		-1						
40	Structure Di	None						27		
41	Structure Wo (0 Deg)	None						54		
42	Structure Wo (30 Deg)	None						54		
43	Structure Wo (60 Deg)	None						54		
44	Structure Wo (90 Deg)	None						54		
45	Structure Wo (120 D...	None						54		
46	Structure Wo (150 D...	None						54		
47	Structure Wo (180 D...	None						54		
48	Structure Wo (210 D...	None						54		
49	Structure Wo (240 D...	None						54		
50	Structure Wo (270 D...	None						54		
51	Structure Wo (300 D...	None						54		
52	Structure Wo (330 D...	None						54		
53	Structure Wi (0 Deg)	None						54		
54	Structure Wi (30 Deg)	None						54		
55	Structure Wi (60 Deg)	None						54		
56	Structure Wi (90 Deg)	None						54		

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						54		
58	Structure Wi (150 De...	None						54		
59	Structure Wi (180 De...	None						54		
60	Structure Wi (210 De...	None						54		
61	Structure Wi (240 De...	None						54		
62	Structure Wi (270 De...	None						54		
63	Structure Wi (300 De...	None						54		
64	Structure Wi (330 De...	None						54		
65	Structure Wm (0 Deg)	None						54		
66	Structure Wm (30 De...	None						54		
67	Structure Wm (60 De...	None						54		
68	Structure Wm (90 De...	None						54		
69	Structure Wm (120 D...	None						54		
70	Structure Wm (150 D...	None						54		
71	Structure Wm (180 D...	None						54		
72	Structure Wm (210 D...	None						54		
73	Structure Wm (240 D...	None						54		
74	Structure Wm (270 D...	None						54		
75	Structure Wm (300 D...	None						54		
76	Structure Wm (330 D...	None						54		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					90			
82	Antenna Eh (0 Deg)	None					60			
83	Antenna Eh (90 Deg)	None					60			
84	Structure Ev	ELY		-.043						
85	Structure Eh (0 Deg)	ELZ			-.108					
86	Structure Eh (90 Deg)	ELX	.108							

Load Combinations

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

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N26	-0.	0	-14.83	0	
3	N27	-0.	0	-26.08	0	
4	N28	-9.5	0	-26.08	0	
5	N29	9.5	0	-26.08	0	
6	N44	34.601006	-18.5	22.74596	0	
7	N45	34.601006	22.5	22.74596	0	
8	N46	-29.398994	-18.5	22.74596	0	
9	N47	-29.398994	22.5	22.74596	0	
10	N48	30.601006	-18.5	22.74596	0	
11	N49	2.601006	-18.5	22.74596	0	
12	N50	-25.398994	-18.5	22.74596	0	
13	N51	30.601006	-18.5	25.74596	0	
14	N52	2.601006	-18.5	25.74596	0	
15	N53	-25.398994	-18.5	25.74596	0	
16	N54	30.601006	22.5	22.74596	0	
17	N55	2.601006	22.5	22.74596	0	
18	N56	-25.398994	22.5	22.74596	0	
19	N57	30.601006	22.5	25.74596	0	
20	N58	2.601006	22.5	25.74596	0	
21	N59	-25.398994	22.5	25.74596	0	
22	N60	30.601006	61.5	25.74596	0	
23	N61	2.601006	61.5	25.74596	0	
24	N62	-25.398994	61.5	25.74596	0	
25	N63	30.601006	-22.5	25.74596	0	
26	N64	2.601006	-22.5	25.74596	0	
27	N65	-25.398994	-22.5	25.74596	0	
28	N74	2.398076	-18.5	-41.33833	0	
29	N75	2.398076	22.5	-41.33833	0	
30	N76	34.398076	-18.5	14.087296	0	
31	N77	34.398076	22.5	14.087296	0	
32	N78	4.398076	-18.5	-37.874229	0	
33	N79	18.398076	-18.5	-13.625517	0	
34	N80	32.398076	-18.5	10.623194	0	
35	N81	6.996152	-18.5	-39.374229	0	
36	N82	20.996152	-18.5	-15.125517	0	
37	N83	34.996152	-18.5	9.123194	0	
38	N84	4.398076	22.5	-37.874229	0	
39	N85	18.398076	22.5	-13.625517	0	
40	N86	32.398076	22.5	10.623194	0	
41	N87	6.996152	22.5	-39.374229	0	
42	N88	20.996152	22.5	-15.125517	0	
43	N89	34.996152	22.5	9.123194	0	
44	N90	6.996152	61.5	-39.374229	0	
45	N91	20.996152	61.5	-15.125517	0	
46	N92	34.996152	61.5	9.123194	0	
47	N93	6.996152	-22.5	-39.374229	0	
48	N94	20.996152	-22.5	-15.125517	0	
49	N95	34.996152	-22.5	9.123194	0	
50	N104	-35.399082	-18.5	15.821089	0	
51	N105	-35.399082	22.5	15.821089	0	
52	N106	-3.399082	-18.5	-39.604537	0	
53	N107	-3.399082	22.5	-39.604537	0	
54	N108	-33.399082	-18.5	12.356987	0	
55	N109	-19.399082	-18.5	-11.891724	0	
56	N110	-5.399082	-18.5	-36.140435	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
57	N111	-35.997158	-18.5	10.856987	0	
58	N112	-21.997158	-18.5	-13.391724	0	
59	N113	-7.997158	-18.5	-37.640435	0	
60	N114	-33.399082	22.5	12.356987	0	
61	N115	-19.399082	22.5	-11.891724	0	
62	N116	-5.399082	22.5	-36.140435	0	
63	N117	-35.997158	22.5	10.856987	0	
64	N118	-21.997158	22.5	-13.391724	0	
65	N119	-7.997158	22.5	-37.640435	0	
66	N120	-35.997158	61.5	10.856987	0	
67	N121	-21.997158	61.5	-13.391724	0	
68	N122	-7.997158	61.5	-37.640435	0	
69	N123	-35.997158	-22.5	10.856987	0	
70	N124	-21.997158	-22.5	-13.391724	0	
71	N125	-7.997158	-22.5	-37.640435	0	
72	N123A	6.3	0	-26.08	0	
73	N124A	6.3	0	-28.58	0	
74	N125A	6.3	-18.5	-28.58	0	
75	N126	6.3	51.5	-28.58	0	
76	N127	6.3	-26.5	-28.58	0	
77	N128	8.898076	-18.5	-30.08	0	
78	N129	6.3	22.5	-28.58	0	
79	N130	8.898076	22.5	-30.08	0	
80	N124B	-6.3	0	-26.08	0	
81	N125B	-6.3	0	-28.58	0	
82	N126A	-6.3	-18.5	-28.58	0	
83	N127A	-6.3	51.5	-28.58	0	
84	N128A	-6.3	-26.5	-28.58	0	
85	N129A	-8.898076	-18.5	-30.08	0	
86	N130A	-6.3	22.5	-28.58	0	
87	N131	-8.898076	22.5	-30.08	0	
88	N88A	-12.843157	0	7.415	0	
89	N89A	-22.585943	0	13.04	0	
90	N90A	-17.835943	0	21.267241	0	
91	N91A	-27.335943	0	4.812759	0	
92	N92A	-25.735943	0	7.58404	0	
93	N93A	-27.901006	0	8.83404	0	
94	N94A	-27.901006	-18.5	8.83404	0	
95	N95A	-27.901006	51.5	8.83404	0	
96	N96	-27.901006	-26.5	8.83404	0	
97	N97	-30.499082	-18.5	7.33404	0	
98	N98	-27.901006	22.5	8.83404	0	
99	N99	-30.499082	22.5	7.33404	0	
100	N100	-19.435943	0	18.49596	0	
101	N101	-21.601006	0	19.74596	0	
102	N102	-21.601006	-18.5	19.74596	0	
103	N103	-21.601006	51.5	19.74596	0	
104	N104A	-21.601006	-26.5	19.74596	0	
105	N105A	-21.601006	-18.5	22.74596	0	
106	N106A	-21.601006	22.5	19.74596	0	
107	N107A	-21.601006	22.5	22.74596	0	
108	N108A	12.843157	0	7.415	0	
109	N109A	22.585943	0	13.04	0	
110	N110A	27.335943	0	4.812759	0	
111	N111A	17.835943	0	21.267241	0	
112	N112A	19.435943	0	18.49596	0	
113	N113A	21.601006	0	19.74596	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
114	N114A	21.601006	-18.5	19.74596	0	
115	N115A	21.601006	51.5	19.74596	0	
116	N116A	21.601006	-26.5	19.74596	0	
117	N117A	21.601006	-18.5	22.74596	0	
118	N118A	21.601006	22.5	19.74596	0	
119	N119A	21.601006	22.5	22.74596	0	
120	N120A	25.735943	0	7.58404	0	
121	N121A	27.901006	0	8.83404	0	
122	N122A	27.901006	-18.5	8.83404	0	
123	N123B	27.901006	51.5	8.83404	0	
124	N124C	27.901006	-26.5	8.83404	0	
125	N125C	30.499082	-18.5	7.33404	0	
126	N126B	27.901006	22.5	8.83404	0	
127	N127B	30.499082	22.5	7.33404	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design...	A [in2]	Iyy [in...	Izz [in...	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Dual Mount Pipe	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizo...	HSS4X4X4	Beam	SquareTube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
4	Face Horizontal	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Standoff Plate	PL3/8x7	Beam	Pipe	A36 Gr.36	Typical	2.625	.031	10.719	.119

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
7	A500 Gr C Round	29000	11154	.3	.65	.49	46	1.5	62	1.2
8	A529 gr50	29000	11154	.3	.65	.49	50	1.5	65	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M13	N26	N27			Standoff Horizo...	Beam	SquareTube	A500 Gr. ...	Typical
2	M14	N29	N28			Standoff Plate	Beam	Pipe	A36 Gr.36	Typical
3	M23	N47	N45			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
4	M24	N46	N44			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
5	LIVE 2	N50	N53			RIGID	None	None	RIGID	Typical
6	LIVE 1	N49	N52			RIGID	None	None	RIGID	Typical
7	M27	N48	N51			RIGID	None	None	RIGID	Typical
8	M28	N56	N59			RIGID	None	None	RIGID	Typical
9	M29	N55	N58			RIGID	None	None	RIGID	Typical
10	M30	N54	N57			RIGID	None	None	RIGID	Typical
11	MP3A	N62	N65			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
12	MP1A	N60	N63			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
13	MP2A	N61	N64			Dual Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
14	M38	N77	N75			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
15	M39	N76	N74			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
16	M40	N80	N83			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
17	M41	N79	N82			RIGID	None	None	RIGID	Typical
18	M42	N78	N81			RIGID	None	None	RIGID	Typical
19	M43	N86	N89			RIGID	None	None	RIGID	Typical
20	M44	N85	N88			RIGID	None	None	RIGID	Typical
21	M45	N84	N87			RIGID	None	None	RIGID	Typical
22	MP3C	N92	N95		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
23	MP1C	N90	N93		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
24	MP2C	N91	N94		240	Dual Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
25	M53	N107	N105			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
26	M54	N106	N104			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
27	M55	N110	N113			RIGID	None	None	RIGID	Typical
28	M56	N109	N112			RIGID	None	None	RIGID	Typical
29	M57	N108	N111			RIGID	None	None	RIGID	Typical
30	M58	N116	N119			RIGID	None	None	RIGID	Typical
31	M59	N115	N118			RIGID	None	None	RIGID	Typical
32	M60	N114	N117			RIGID	None	None	RIGID	Typical
33	MP3B	N122	N125		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
34	MP1B	N120	N123		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
35	MP2B	N121	N124		120	Dual Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
36	M64	N123A	N124A			RIGID	None	None	RIGID	Typical
37	M65	N126	N127		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
38	M66	N125A	N128			RIGID	None	None	RIGID	Typical
39	M67	N129	N130			RIGID	None	None	RIGID	Typical
40	M64A	N124B	N125B			RIGID	None	None	RIGID	Typical
41	M65A	N127A	N128A		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
42	M66A	N126A	N129A			RIGID	None	None	RIGID	Typical
43	M67A	N130A	N131			RIGID	None	None	RIGID	Typical
44	M44A	N88A	N89A			Standoff Horizo...	Beam	SquareTube	A500 Gr. ...	Typical
45	M45A	N91A	N90A			Standoff Plate	Beam	Pipe	A36 Gr.36	Typical
46	M46	N92A	N93A			RIGID	None	None	RIGID	Typical
47	M47	N95A	N96		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
48	M48	N94A	N97			RIGID	None	None	RIGID	Typical
49	M49	N98	N99			RIGID	None	None	RIGID	Typical
50	M50	N100	N101			RIGID	None	None	RIGID	Typical
51	M51	N103	N104A		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
52	M52	N102	N105A			RIGID	None	None	RIGID	Typical
53	M53A	N106A	N107A			RIGID	None	None	RIGID	Typical
54	M54A	N108A	N109A			Standoff Horizo...	Beam	SquareTube	A500 Gr. ...	Typical
55	M55A	N111A	N110A			Standoff Plate	Beam	Pipe	A36 Gr.36	Typical
56	M56A	N112A	N113A			RIGID	None	None	RIGID	Typical
57	M57A	N115A	N116A		360	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
58	M58A	N114A	N117A			RIGID	None	None	RIGID	Typical
59	M59A	N118A	N119A			RIGID	None	None	RIGID	Typical
60	M60A	N120A	N121A			RIGID	None	None	RIGID	Typical
61	M61	N123B	N124C		360	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
62	M62	N122A	N125C			RIGID	None	None	RIGID	Typical
63	M63	N126B	N127B			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M13						Yes				None
2	M14						Yes				None
3	M23						Yes	** NA **			None
4	M24						Yes	** NA **			None
5	LIVE 2						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
6	LIVE 1						Yes	** NA **			None
7	M27						Yes	** NA **			None
8	M28						Yes	** NA **			None
9	M29						Yes	** NA **			None
10	M30						Yes	** NA **			None
11	MP3A						Yes	** NA **			None
12	MP1A						Yes	** NA **			None
13	MP2A						Yes				None
14	M38						Yes	** NA **			None
15	M39						Yes	** NA **			None
16	M40						Yes	** NA **			None
17	M41						Yes	** NA **			None
18	M42						Yes	** NA **			None
19	M43						Yes	** NA **			None
20	M44						Yes	** NA **			None
21	M45						Yes	** NA **			None
22	MP3C						Yes	** NA **			None
23	MP1C						Yes	** NA **			None
24	MP2C						Yes				None
25	M53						Yes	** NA **			None
26	M54						Yes	** NA **			None
27	M55						Yes	** NA **			None
28	M56						Yes	** NA **			None
29	M57						Yes	** NA **			None
30	M58						Yes	** NA **			None
31	M59						Yes	** NA **			None
32	M60						Yes	** NA **			None
33	MP3B						Yes	** NA **			None
34	MP1B						Yes	** NA **			None
35	MP2B						Yes	Default			None
36	M64	OOOOXO					Yes	** NA **			None
37	M65						Yes	** NA **			None
38	M66						Yes	** NA **			None
39	M67						Yes	** NA **			None
40	M64A	OOOOXO					Yes	** NA **			None
41	M65A						Yes	** NA **			None
42	M66A						Yes	** NA **			None
43	M67A						Yes	** NA **			None
44	M44A						Yes				None
45	M45A						Yes				None
46	M46	OOOOXO					Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50	OOOOXO					Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53A						Yes	** NA **			None
54	M54A						Yes				None
55	M55A						Yes				None
56	M56A	OOOOXO					Yes	** NA **			None
57	M57A						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60A	OOOOXO					Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
63	M63						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-23	6
2	MP2A	My	-.015	6
3	MP2A	Mz	-.015	6
4	MP2A	Y	-23	66
5	MP2A	My	-.015	66
6	MP2A	Mz	-.015	66
7	MP2B	Y	-23	6
8	MP2B	My	.021	6
9	MP2B	Mz	-.006	6
10	MP2B	Y	-23	66
11	MP2B	My	.021	66
12	MP2B	Mz	-.006	66
13	MP2C	Y	-23	6
14	MP2C	My	-.006	6
15	MP2C	Mz	.021	6
16	MP2C	Y	-23	66
17	MP2C	My	-.006	66
18	MP2C	Mz	.021	66
19	MP2A	Y	-23	6
20	MP2A	My	-.015	6
21	MP2A	Mz	.015	6
22	MP2A	Y	-23	66
23	MP2A	My	-.015	66
24	MP2A	Mz	.015	66
25	MP2B	Y	-23	6
26	MP2B	My	-.006	6
27	MP2B	Mz	-.021	6
28	MP2B	Y	-23	66
29	MP2B	My	-.006	66
30	MP2B	Mz	-.021	66
31	MP2C	Y	-23	6
32	MP2C	My	.021	6
33	MP2C	Mz	.006	6
34	MP2C	Y	-23	66
35	MP2C	My	.021	66
36	MP2C	Mz	.006	66
37	MP3A	Y	-43.55	24
38	MP3A	My	-.022	24
39	MP3A	Mz	0	24
40	MP3A	Y	-43.55	48
41	MP3A	My	-.022	48
42	MP3A	Mz	0	48
43	MP3B	Y	-43.55	24
44	MP3B	My	.011	24
45	MP3B	Mz	-.019	24
46	MP3B	Y	-43.55	48
47	MP3B	My	.011	48
48	MP3B	Mz	-.019	48
49	MP3C	Y	-43.55	24
50	MP3C	My	.011	24
51	MP3C	Mz	.019	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
52	MP3C	Y	-43.55	48
53	MP3C	My	.011	48
54	MP3C	Mz	.019	48
55	MP1A	Y	-9	6
56	MP1A	My	-.004	6
57	MP1A	Mz	0	6
58	MP1A	Y	-9	66
59	MP1A	My	-.004	66
60	MP1A	Mz	0	66
61	MP1B	Y	-9	6
62	MP1B	My	.002	6
63	MP1B	Mz	-.004	6
64	MP1B	Y	-9	66
65	MP1B	My	.002	66
66	MP1B	Mz	-.004	66
67	MP1C	Y	-9	6
68	MP1C	My	.002	6
69	MP1C	Mz	.004	6
70	MP1C	Y	-9	66
71	MP1C	My	.002	66
72	MP1C	Mz	.004	66
73	MP2A	Y	-70.3	18
74	MP2A	My	.047	18
75	MP2A	Mz	0	18
76	MP2B	Y	-70.3	18
77	MP2B	My	-.023	18
78	MP2B	Mz	.041	18
79	MP2C	Y	-70.3	18
80	MP2C	My	-.023	18
81	MP2C	Mz	-.041	18
82	MP2A	Y	-74.7	45
83	MP2A	My	.05	45
84	MP2A	Mz	0	45
85	MP2B	Y	-74.7	45
86	MP2B	My	-.025	45
87	MP2B	Mz	.043	45
88	MP2C	Y	-74.7	45
89	MP2C	My	-.025	45
90	MP2C	Mz	-.043	45

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-81.118	6
2	MP2A	My	-.054	6
3	MP2A	Mz	-.054	6
4	MP2A	Y	-81.118	66
5	MP2A	My	-.054	66
6	MP2A	Mz	-.054	66
7	MP2B	Y	-81.118	6
8	MP2B	My	.074	6
9	MP2B	Mz	-.02	6
10	MP2B	Y	-81.118	66
11	MP2B	My	.074	66
12	MP2B	Mz	-.02	66
13	MP2C	Y	-81.118	6
14	MP2C	My	-.02	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
15	MP2C	Mz	.074	6
16	MP2C	Y	-81.118	66
17	MP2C	My	-.02	66
18	MP2C	Mz	.074	66
19	MP2A	Y	-81.118	6
20	MP2A	My	-.054	6
21	MP2A	Mz	.054	6
22	MP2A	Y	-81.118	66
23	MP2A	My	-.054	66
24	MP2A	Mz	.054	66
25	MP2B	Y	-81.118	6
26	MP2B	My	-.02	6
27	MP2B	Mz	-.074	6
28	MP2B	Y	-81.118	66
29	MP2B	My	-.02	66
30	MP2B	Mz	-.074	66
31	MP2C	Y	-81.118	6
32	MP2C	My	.074	6
33	MP2C	Mz	.02	6
34	MP2C	Y	-81.118	66
35	MP2C	My	.074	66
36	MP2C	Mz	.02	66
37	MP3A	Y	-35.015	24
38	MP3A	My	-.018	24
39	MP3A	Mz	0	24
40	MP3A	Y	-35.015	48
41	MP3A	My	-.018	48
42	MP3A	Mz	0	48
43	MP3B	Y	-35.015	24
44	MP3B	My	.009	24
45	MP3B	Mz	-.015	24
46	MP3B	Y	-35.015	48
47	MP3B	My	.009	48
48	MP3B	Mz	-.015	48
49	MP3C	Y	-35.015	24
50	MP3C	My	.009	24
51	MP3C	Mz	.015	24
52	MP3C	Y	-35.015	48
53	MP3C	My	.009	48
54	MP3C	Mz	.015	48
55	MP1A	Y	-43.772	6
56	MP1A	My	-.022	6
57	MP1A	Mz	0	6
58	MP1A	Y	-43.772	66
59	MP1A	My	-.022	66
60	MP1A	Mz	0	66
61	MP1B	Y	-43.772	6
62	MP1B	My	.011	6
63	MP1B	Mz	-.019	6
64	MP1B	Y	-43.772	66
65	MP1B	My	.011	66
66	MP1B	Mz	-.019	66
67	MP1C	Y	-43.772	6
68	MP1C	My	.011	6
69	MP1C	Mz	.019	6
70	MP1C	Y	-43.772	66
71	MP1C	My	.011	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
72	MP1C	Mz	.019	66
73	MP2A	Y	-42.027	18
74	MP2A	My	.028	18
75	MP2A	Mz	0	18
76	MP2B	Y	-42.027	18
77	MP2B	My	-.014	18
78	MP2B	Mz	.024	18
79	MP2C	Y	-42.027	18
80	MP2C	My	-.014	18
81	MP2C	Mz	-.024	18
82	MP2A	Y	-44.135	45
83	MP2A	My	.029	45
84	MP2A	Mz	0	45
85	MP2B	Y	-44.135	45
86	MP2B	My	-.015	45
87	MP2B	Mz	.025	45
88	MP2C	Y	-44.135	45
89	MP2C	My	-.015	45
90	MP2C	Mz	-.025	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	6
2	MP2A	Z	-193.059	6
3	MP2A	Mx	.129	6
4	MP2A	X	0	66
5	MP2A	Z	-193.059	66
6	MP2A	Mx	.129	66
7	MP2B	X	0	6
8	MP2B	Z	-155.913	6
9	MP2B	Mx	.038	6
10	MP2B	X	0	66
11	MP2B	Z	-155.913	66
12	MP2B	Mx	.038	66
13	MP2C	X	0	6
14	MP2C	Z	-155.913	6
15	MP2C	Mx	-.142	6
16	MP2C	X	0	66
17	MP2C	Z	-155.913	66
18	MP2C	Mx	-.142	66
19	MP2A	X	0	6
20	MP2A	Z	-193.059	6
21	MP2A	Mx	-.129	6
22	MP2A	X	0	66
23	MP2A	Z	-193.059	66
24	MP2A	Mx	-.129	66
25	MP2B	X	0	6
26	MP2B	Z	-155.913	6
27	MP2B	Mx	.142	6
28	MP2B	X	0	66
29	MP2B	Z	-155.913	66
30	MP2B	Mx	.142	66
31	MP2C	X	0	6
32	MP2C	Z	-155.913	6
33	MP2C	Mx	-.038	6
34	MP2C	X	0	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
35	MP2C	Z	-155.913	66
36	MP2C	Mx	-.038	66
37	MP3A	X	0	24
38	MP3A	Z	-76.676	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	-76.676	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	-38.974	24
45	MP3B	Mx	.017	24
46	MP3B	X	0	48
47	MP3B	Z	-38.974	48
48	MP3B	Mx	.017	48
49	MP3C	X	0	24
50	MP3C	Z	-38.974	24
51	MP3C	Mx	-.017	24
52	MP3C	X	0	48
53	MP3C	Z	-38.974	48
54	MP3C	Mx	-.017	48
55	MP1A	X	0	6
56	MP1A	Z	-112.667	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	-112.667	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	-95.074	6
63	MP1B	Mx	.041	6
64	MP1B	X	0	66
65	MP1B	Z	-95.074	66
66	MP1B	Mx	.041	66
67	MP1C	X	0	6
68	MP1C	Z	-95.074	6
69	MP1C	Mx	-.041	6
70	MP1C	X	0	66
71	MP1C	Z	-95.074	66
72	MP1C	Mx	-.041	66
73	MP2A	X	0	18
74	MP2A	Z	-73.155	18
75	MP2A	Mx	0	18
76	MP2B	X	0	18
77	MP2B	Z	-51.663	18
78	MP2B	Mx	-.03	18
79	MP2C	X	0	18
80	MP2C	Z	-51.663	18
81	MP2C	Mx	.03	18
82	MP2A	X	0	45
83	MP2A	Z	-73.155	45
84	MP2A	Mx	0	45
85	MP2B	X	0	45
86	MP2B	Z	-54.964	45
87	MP2B	Mx	-.032	45
88	MP2C	X	0	45
89	MP2C	Z	-54.964	45
90	MP2C	Mx	.032	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	90.338	6
2	MP2A	Z	-156.471	6
3	MP2A	Mx	.044	6
4	MP2A	X	90.338	66
5	MP2A	Z	-156.471	66
6	MP2A	Mx	.044	66
7	MP2B	X	71.766	6
8	MP2B	Z	-124.302	6
9	MP2B	Mx	.096	6
10	MP2B	X	71.766	66
11	MP2B	Z	-124.302	66
12	MP2B	Mx	.096	66
13	MP2C	X	90.338	6
14	MP2C	Z	-156.471	6
15	MP2C	Mx	-.165	6
16	MP2C	X	90.338	66
17	MP2C	Z	-156.471	66
18	MP2C	Mx	-.165	66
19	MP2A	X	90.338	6
20	MP2A	Z	-156.471	6
21	MP2A	Mx	-.165	6
22	MP2A	X	90.338	66
23	MP2A	Z	-156.471	66
24	MP2A	Mx	-.165	66
25	MP2B	X	71.766	6
26	MP2B	Z	-124.302	6
27	MP2B	Mx	.096	6
28	MP2B	X	71.766	66
29	MP2B	Z	-124.302	66
30	MP2B	Mx	.096	66
31	MP2C	X	90.338	6
32	MP2C	Z	-156.471	6
33	MP2C	Mx	.044	6
34	MP2C	X	90.338	66
35	MP2C	Z	-156.471	66
36	MP2C	Mx	.044	66
37	MP3A	X	32.054	24
38	MP3A	Z	-55.52	24
39	MP3A	Mx	-.016	24
40	MP3A	X	32.054	48
41	MP3A	Z	-55.52	48
42	MP3A	Mx	-.016	48
43	MP3B	X	13.203	24
44	MP3B	Z	-22.868	24
45	MP3B	Mx	.013	24
46	MP3B	X	13.203	48
47	MP3B	Z	-22.868	48
48	MP3B	Mx	.013	48
49	MP3C	X	32.054	24
50	MP3C	Z	-55.52	24
51	MP3C	Mx	-.016	24
52	MP3C	X	32.054	48
53	MP3C	Z	-55.52	48
54	MP3C	Mx	-.016	48
55	MP1A	X	53.401	6
56	MP1A	Z	-92.493	6
57	MP1A	Mx	-.027	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	53.401	66
59	MP1A	Z	-92.493	66
60	MP1A	Mx	-.027	66
61	MP1B	X	44.605	6
62	MP1B	Z	-77.257	6
63	MP1B	Mx	.045	6
64	MP1B	X	44.605	66
65	MP1B	Z	-77.257	66
66	MP1B	Mx	.045	66
67	MP1C	X	53.401	6
68	MP1C	Z	-92.493	6
69	MP1C	Mx	-.027	6
70	MP1C	X	53.401	66
71	MP1C	Z	-92.493	66
72	MP1C	Mx	-.027	66
73	MP2A	X	32.996	18
74	MP2A	Z	-57.15	18
75	MP2A	Mx	.022	18
76	MP2B	X	22.25	18
77	MP2B	Z	-38.538	18
78	MP2B	Mx	-.03	18
79	MP2C	X	32.996	18
80	MP2C	Z	-57.15	18
81	MP2C	Mx	.022	18
82	MP2A	X	33.546	45
83	MP2A	Z	-58.103	45
84	MP2A	Mx	.022	45
85	MP2B	X	24.45	45
86	MP2B	Z	-42.349	45
87	MP2B	Mx	-.033	45
88	MP2C	X	33.546	45
89	MP2C	Z	-58.103	45
90	MP2C	Mx	.022	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	135.025	6
2	MP2A	Z	-77.957	6
3	MP2A	Mx	-.038	6
4	MP2A	X	135.025	66
5	MP2A	Z	-77.957	66
6	MP2A	Mx	-.038	66
7	MP2B	X	135.025	6
8	MP2B	Z	-77.957	6
9	MP2B	Mx	.142	6
10	MP2B	X	135.025	66
11	MP2B	Z	-77.957	66
12	MP2B	Mx	.142	66
13	MP2C	X	167.194	6
14	MP2C	Z	-96.529	6
15	MP2C	Mx	-.129	6
16	MP2C	X	167.194	66
17	MP2C	Z	-96.529	66
18	MP2C	Mx	-.129	66
19	MP2A	X	135.025	6
20	MP2A	Z	-77.957	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	-.142	6
22	MP2A	X	135.025	66
23	MP2A	Z	-77.957	66
24	MP2A	Mx	-.142	66
25	MP2B	X	135.025	6
26	MP2B	Z	-77.957	6
27	MP2B	Mx	.038	6
28	MP2B	X	135.025	66
29	MP2B	Z	-77.957	66
30	MP2B	Mx	.038	66
31	MP2C	X	167.194	6
32	MP2C	Z	-96.529	6
33	MP2C	Mx	.129	6
34	MP2C	X	167.194	66
35	MP2C	Z	-96.529	66
36	MP2C	Mx	.129	66
37	MP3A	X	33.752	24
38	MP3A	Z	-19.487	24
39	MP3A	Mx	-.017	24
40	MP3A	X	33.752	48
41	MP3A	Z	-19.487	48
42	MP3A	Mx	-.017	48
43	MP3B	X	33.752	24
44	MP3B	Z	-19.487	24
45	MP3B	Mx	.017	24
46	MP3B	X	33.752	48
47	MP3B	Z	-19.487	48
48	MP3B	Mx	.017	48
49	MP3C	X	66.403	24
50	MP3C	Z	-38.338	24
51	MP3C	Mx	0	24
52	MP3C	X	66.403	48
53	MP3C	Z	-38.338	48
54	MP3C	Mx	0	48
55	MP1A	X	82.336	6
56	MP1A	Z	-47.537	6
57	MP1A	Mx	-.041	6
58	MP1A	X	82.336	66
59	MP1A	Z	-47.537	66
60	MP1A	Mx	-.041	66
61	MP1B	X	82.336	6
62	MP1B	Z	-47.537	6
63	MP1B	Mx	.041	6
64	MP1B	X	82.336	66
65	MP1B	Z	-47.537	66
66	MP1B	Mx	.041	66
67	MP1C	X	97.572	6
68	MP1C	Z	-56.333	6
69	MP1C	Mx	0	6
70	MP1C	X	97.572	66
71	MP1C	Z	-56.333	66
72	MP1C	Mx	0	66
73	MP2A	X	44.742	18
74	MP2A	Z	-25.832	18
75	MP2A	Mx	.03	18
76	MP2B	X	44.742	18
77	MP2B	Z	-25.832	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
78	MP2B	Mx	-.03	18
79	MP2C	X	63.354	18
80	MP2C	Z	-36.577	18
81	MP2C	Mx	0	18
82	MP2A	X	47.6	45
83	MP2A	Z	-27.482	45
84	MP2A	Mx	.032	45
85	MP2B	X	47.6	45
86	MP2B	Z	-27.482	45
87	MP2B	Mx	-.032	45
88	MP2C	X	63.354	45
89	MP2C	Z	-36.577	45
90	MP2C	Mx	0	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	143.532	6
2	MP2A	Z	0	6
3	MP2A	Mx	-.096	6
4	MP2A	X	143.532	66
5	MP2A	Z	0	66
6	MP2A	Mx	-.096	66
7	MP2B	X	180.677	6
8	MP2B	Z	0	6
9	MP2B	Mx	.165	6
10	MP2B	X	180.677	66
11	MP2B	Z	0	66
12	MP2B	Mx	.165	66
13	MP2C	X	180.677	6
14	MP2C	Z	0	6
15	MP2C	Mx	-.044	6
16	MP2C	X	180.677	66
17	MP2C	Z	0	66
18	MP2C	Mx	-.044	66
19	MP2A	X	143.532	6
20	MP2A	Z	0	6
21	MP2A	Mx	-.096	6
22	MP2A	X	143.532	66
23	MP2A	Z	0	66
24	MP2A	Mx	-.096	66
25	MP2B	X	180.677	6
26	MP2B	Z	0	6
27	MP2B	Mx	-.044	6
28	MP2B	X	180.677	66
29	MP2B	Z	0	66
30	MP2B	Mx	-.044	66
31	MP2C	X	180.677	6
32	MP2C	Z	0	6
33	MP2C	Mx	.165	6
34	MP2C	X	180.677	66
35	MP2C	Z	0	66
36	MP2C	Mx	.165	66
37	MP3A	X	26.406	24
38	MP3A	Z	0	24
39	MP3A	Mx	-.013	24
40	MP3A	X	26.406	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP3A	Z	0	48
42	MP3A	Mx	-.013	48
43	MP3B	X	64.108	24
44	MP3B	Z	0	24
45	MP3B	Mx	.016	24
46	MP3B	X	64.108	48
47	MP3B	Z	0	48
48	MP3B	Mx	.016	48
49	MP3C	X	64.108	24
50	MP3C	Z	0	24
51	MP3C	Mx	.016	24
52	MP3C	X	64.108	48
53	MP3C	Z	0	48
54	MP3C	Mx	.016	48
55	MP1A	X	89.209	6
56	MP1A	Z	0	6
57	MP1A	Mx	-.045	6
58	MP1A	X	89.209	66
59	MP1A	Z	0	66
60	MP1A	Mx	-.045	66
61	MP1B	X	106.802	6
62	MP1B	Z	0	6
63	MP1B	Mx	.027	6
64	MP1B	X	106.802	66
65	MP1B	Z	0	66
66	MP1B	Mx	.027	66
67	MP1C	X	106.802	6
68	MP1C	Z	0	6
69	MP1C	Mx	.027	6
70	MP1C	X	106.802	66
71	MP1C	Z	0	66
72	MP1C	Mx	.027	66
73	MP2A	X	44.499	18
74	MP2A	Z	0	18
75	MP2A	Mx	.03	18
76	MP2B	X	65.991	18
77	MP2B	Z	0	18
78	MP2B	Mx	-.022	18
79	MP2C	X	65.991	18
80	MP2C	Z	0	18
81	MP2C	Mx	-.022	18
82	MP2A	X	48.9	45
83	MP2A	Z	0	45
84	MP2A	Mx	.033	45
85	MP2B	X	67.091	45
86	MP2B	Z	0	45
87	MP2B	Mx	-.022	45
88	MP2C	X	67.091	45
89	MP2C	Z	0	45
90	MP2C	Mx	-.022	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	135.025	6
2	MP2A	Z	77.957	6
3	MP2A	Mx	-.142	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
4	MP2A	X	135.025	66
5	MP2A	Z	77.957	66
6	MP2A	Mx	-.142	66
7	MP2B	X	167.194	6
8	MP2B	Z	96.529	6
9	MP2B	Mx	.129	6
10	MP2B	X	167.194	66
11	MP2B	Z	96.529	66
12	MP2B	Mx	.129	66
13	MP2C	X	135.025	6
14	MP2C	Z	77.957	6
15	MP2C	Mx	.038	6
16	MP2C	X	135.025	66
17	MP2C	Z	77.957	66
18	MP2C	Mx	.038	66
19	MP2A	X	135.025	6
20	MP2A	Z	77.957	6
21	MP2A	Mx	-.038	6
22	MP2A	X	135.025	66
23	MP2A	Z	77.957	66
24	MP2A	Mx	-.038	66
25	MP2B	X	167.194	6
26	MP2B	Z	96.529	6
27	MP2B	Mx	-.129	6
28	MP2B	X	167.194	66
29	MP2B	Z	96.529	66
30	MP2B	Mx	-.129	66
31	MP2C	X	135.025	6
32	MP2C	Z	77.957	6
33	MP2C	Mx	.142	6
34	MP2C	X	135.025	66
35	MP2C	Z	77.957	66
36	MP2C	Mx	.142	66
37	MP3A	X	33.752	24
38	MP3A	Z	19.487	24
39	MP3A	Mx	-.017	24
40	MP3A	X	33.752	48
41	MP3A	Z	19.487	48
42	MP3A	Mx	-.017	48
43	MP3B	X	66.403	24
44	MP3B	Z	38.338	24
45	MP3B	Mx	0	24
46	MP3B	X	66.403	48
47	MP3B	Z	38.338	48
48	MP3B	Mx	0	48
49	MP3C	X	33.752	24
50	MP3C	Z	19.487	24
51	MP3C	Mx	.017	24
52	MP3C	X	33.752	48
53	MP3C	Z	19.487	48
54	MP3C	Mx	.017	48
55	MP1A	X	82.336	6
56	MP1A	Z	47.537	6
57	MP1A	Mx	-.041	6
58	MP1A	X	82.336	66
59	MP1A	Z	47.537	66
60	MP1A	Mx	-.041	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
61	MP1B	X	97.572	6
62	MP1B	Z	56.333	6
63	MP1B	Mx	0	6
64	MP1B	X	97.572	66
65	MP1B	Z	56.333	66
66	MP1B	Mx	0	66
67	MP1C	X	82.336	6
68	MP1C	Z	47.537	6
69	MP1C	Mx	.041	6
70	MP1C	X	82.336	66
71	MP1C	Z	47.537	66
72	MP1C	Mx	.041	66
73	MP2A	X	44.742	18
74	MP2A	Z	25.832	18
75	MP2A	Mx	.03	18
76	MP2B	X	63.354	18
77	MP2B	Z	36.577	18
78	MP2B	Mx	0	18
79	MP2C	X	44.742	18
80	MP2C	Z	25.832	18
81	MP2C	Mx	-.03	18
82	MP2A	X	47.6	45
83	MP2A	Z	27.482	45
84	MP2A	Mx	.032	45
85	MP2B	X	63.354	45
86	MP2B	Z	36.577	45
87	MP2B	Mx	0	45
88	MP2C	X	47.6	45
89	MP2C	Z	27.482	45
90	MP2C	Mx	-.032	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	90.338	6
2	MP2A	Z	156.471	6
3	MP2A	Mx	-.165	6
4	MP2A	X	90.338	66
5	MP2A	Z	156.471	66
6	MP2A	Mx	-.165	66
7	MP2B	X	90.338	6
8	MP2B	Z	156.471	6
9	MP2B	Mx	.044	6
10	MP2B	X	90.338	66
11	MP2B	Z	156.471	66
12	MP2B	Mx	.044	66
13	MP2C	X	71.766	6
14	MP2C	Z	124.302	6
15	MP2C	Mx	.096	6
16	MP2C	X	71.766	66
17	MP2C	Z	124.302	66
18	MP2C	Mx	.096	66
19	MP2A	X	90.338	6
20	MP2A	Z	156.471	6
21	MP2A	Mx	.044	6
22	MP2A	X	90.338	66
23	MP2A	Z	156.471	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
24	MP2A	Mx	.044	66
25	MP2B	X	90.338	6
26	MP2B	Z	156.471	6
27	MP2B	Mx	-.165	6
28	MP2B	X	90.338	66
29	MP2B	Z	156.471	66
30	MP2B	Mx	-.165	66
31	MP2C	X	71.766	6
32	MP2C	Z	124.302	6
33	MP2C	Mx	.096	6
34	MP2C	X	71.766	66
35	MP2C	Z	124.302	66
36	MP2C	Mx	.096	66
37	MP3A	X	32.054	24
38	MP3A	Z	55.52	24
39	MP3A	Mx	-.016	24
40	MP3A	X	32.054	48
41	MP3A	Z	55.52	48
42	MP3A	Mx	-.016	48
43	MP3B	X	32.054	24
44	MP3B	Z	55.52	24
45	MP3B	Mx	-.016	24
46	MP3B	X	32.054	48
47	MP3B	Z	55.52	48
48	MP3B	Mx	-.016	48
49	MP3C	X	13.203	24
50	MP3C	Z	22.868	24
51	MP3C	Mx	.013	24
52	MP3C	X	13.203	48
53	MP3C	Z	22.868	48
54	MP3C	Mx	.013	48
55	MP1A	X	53.401	6
56	MP1A	Z	92.493	6
57	MP1A	Mx	-.027	6
58	MP1A	X	53.401	66
59	MP1A	Z	92.493	66
60	MP1A	Mx	-.027	66
61	MP1B	X	53.401	6
62	MP1B	Z	92.493	6
63	MP1B	Mx	-.027	6
64	MP1B	X	53.401	66
65	MP1B	Z	92.493	66
66	MP1B	Mx	-.027	66
67	MP1C	X	44.605	6
68	MP1C	Z	77.257	6
69	MP1C	Mx	.045	6
70	MP1C	X	44.605	66
71	MP1C	Z	77.257	66
72	MP1C	Mx	.045	66
73	MP2A	X	32.996	18
74	MP2A	Z	57.15	18
75	MP2A	Mx	.022	18
76	MP2B	X	32.996	18
77	MP2B	Z	57.15	18
78	MP2B	Mx	.022	18
79	MP2C	X	22.25	18
80	MP2C	Z	38.538	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
81	MP2C	Mx	-.03	18
82	MP2A	X	33.546	45
83	MP2A	Z	58.103	45
84	MP2A	Mx	.022	45
85	MP2B	X	33.546	45
86	MP2B	Z	58.103	45
87	MP2B	Mx	.022	45
88	MP2C	X	24.45	45
89	MP2C	Z	42.349	45
90	MP2C	Mx	-.033	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	6
2	MP2A	Z	193.059	6
3	MP2A	Mx	-.129	6
4	MP2A	X	0	66
5	MP2A	Z	193.059	66
6	MP2A	Mx	-.129	66
7	MP2B	X	0	6
8	MP2B	Z	155.913	6
9	MP2B	Mx	-.038	6
10	MP2B	X	0	66
11	MP2B	Z	155.913	66
12	MP2B	Mx	-.038	66
13	MP2C	X	0	6
14	MP2C	Z	155.913	6
15	MP2C	Mx	.142	6
16	MP2C	X	0	66
17	MP2C	Z	155.913	66
18	MP2C	Mx	.142	66
19	MP2A	X	0	6
20	MP2A	Z	193.059	6
21	MP2A	Mx	.129	6
22	MP2A	X	0	66
23	MP2A	Z	193.059	66
24	MP2A	Mx	.129	66
25	MP2B	X	0	6
26	MP2B	Z	155.913	6
27	MP2B	Mx	-.142	6
28	MP2B	X	0	66
29	MP2B	Z	155.913	66
30	MP2B	Mx	-.142	66
31	MP2C	X	0	6
32	MP2C	Z	155.913	6
33	MP2C	Mx	.038	6
34	MP2C	X	0	66
35	MP2C	Z	155.913	66
36	MP2C	Mx	.038	66
37	MP3A	X	0	24
38	MP3A	Z	76.676	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	76.676	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
44	MP3B	Z	38.974	24
45	MP3B	Mx	-.017	24
46	MP3B	X	0	48
47	MP3B	Z	38.974	48
48	MP3B	Mx	-.017	48
49	MP3C	X	0	24
50	MP3C	Z	38.974	24
51	MP3C	Mx	.017	24
52	MP3C	X	0	48
53	MP3C	Z	38.974	48
54	MP3C	Mx	.017	48
55	MP1A	X	0	6
56	MP1A	Z	112.667	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	112.667	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	95.074	6
63	MP1B	Mx	-.041	6
64	MP1B	X	0	66
65	MP1B	Z	95.074	66
66	MP1B	Mx	-.041	66
67	MP1C	X	0	6
68	MP1C	Z	95.074	6
69	MP1C	Mx	.041	6
70	MP1C	X	0	66
71	MP1C	Z	95.074	66
72	MP1C	Mx	.041	66
73	MP2A	X	0	18
74	MP2A	Z	73.155	18
75	MP2A	Mx	0	18
76	MP2B	X	0	18
77	MP2B	Z	51.663	18
78	MP2B	Mx	.03	18
79	MP2C	X	0	18
80	MP2C	Z	51.663	18
81	MP2C	Mx	-.03	18
82	MP2A	X	0	45
83	MP2A	Z	73.155	45
84	MP2A	Mx	0	45
85	MP2B	X	0	45
86	MP2B	Z	54.964	45
87	MP2B	Mx	.032	45
88	MP2C	X	0	45
89	MP2C	Z	54.964	45
90	MP2C	Mx	-.032	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-90.338	6
2	MP2A	Z	156.471	6
3	MP2A	Mx	-.044	6
4	MP2A	X	-90.338	66
5	MP2A	Z	156.471	66
6	MP2A	Mx	-.044	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
7	MP2B	X	-71.766	6
8	MP2B	Z	124.302	6
9	MP2B	Mx	-.096	6
10	MP2B	X	-71.766	66
11	MP2B	Z	124.302	66
12	MP2B	Mx	-.096	66
13	MP2C	X	-90.338	6
14	MP2C	Z	156.471	6
15	MP2C	Mx	.165	6
16	MP2C	X	-90.338	66
17	MP2C	Z	156.471	66
18	MP2C	Mx	.165	66
19	MP2A	X	-90.338	6
20	MP2A	Z	156.471	6
21	MP2A	Mx	.165	6
22	MP2A	X	-90.338	66
23	MP2A	Z	156.471	66
24	MP2A	Mx	.165	66
25	MP2B	X	-71.766	6
26	MP2B	Z	124.302	6
27	MP2B	Mx	-.096	6
28	MP2B	X	-71.766	66
29	MP2B	Z	124.302	66
30	MP2B	Mx	-.096	66
31	MP2C	X	-90.338	6
32	MP2C	Z	156.471	6
33	MP2C	Mx	-.044	6
34	MP2C	X	-90.338	66
35	MP2C	Z	156.471	66
36	MP2C	Mx	-.044	66
37	MP3A	X	-32.054	24
38	MP3A	Z	55.52	24
39	MP3A	Mx	.016	24
40	MP3A	X	-32.054	48
41	MP3A	Z	55.52	48
42	MP3A	Mx	.016	48
43	MP3B	X	-13.203	24
44	MP3B	Z	22.868	24
45	MP3B	Mx	-.013	24
46	MP3B	X	-13.203	48
47	MP3B	Z	22.868	48
48	MP3B	Mx	-.013	48
49	MP3C	X	-32.054	24
50	MP3C	Z	55.52	24
51	MP3C	Mx	.016	24
52	MP3C	X	-32.054	48
53	MP3C	Z	55.52	48
54	MP3C	Mx	.016	48
55	MP1A	X	-53.401	6
56	MP1A	Z	92.493	6
57	MP1A	Mx	.027	6
58	MP1A	X	-53.401	66
59	MP1A	Z	92.493	66
60	MP1A	Mx	.027	66
61	MP1B	X	-44.605	6
62	MP1B	Z	77.257	6
63	MP1B	Mx	-.045	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
64	MP1B	X	-44.605	66
65	MP1B	Z	77.257	66
66	MP1B	Mx	-.045	66
67	MP1C	X	-53.401	6
68	MP1C	Z	92.493	6
69	MP1C	Mx	.027	6
70	MP1C	X	-53.401	66
71	MP1C	Z	92.493	66
72	MP1C	Mx	.027	66
73	MP2A	X	-32.996	18
74	MP2A	Z	57.15	18
75	MP2A	Mx	-.022	18
76	MP2B	X	-22.25	18
77	MP2B	Z	38.538	18
78	MP2B	Mx	.03	18
79	MP2C	X	-32.996	18
80	MP2C	Z	57.15	18
81	MP2C	Mx	-.022	18
82	MP2A	X	-33.546	45
83	MP2A	Z	58.103	45
84	MP2A	Mx	-.022	45
85	MP2B	X	-24.45	45
86	MP2B	Z	42.349	45
87	MP2B	Mx	.033	45
88	MP2C	X	-33.546	45
89	MP2C	Z	58.103	45
90	MP2C	Mx	-.022	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-135.025	6
2	MP2A	Z	77.957	6
3	MP2A	Mx	.038	6
4	MP2A	X	-135.025	66
5	MP2A	Z	77.957	66
6	MP2A	Mx	.038	66
7	MP2B	X	-135.025	6
8	MP2B	Z	77.957	6
9	MP2B	Mx	-.142	6
10	MP2B	X	-135.025	66
11	MP2B	Z	77.957	66
12	MP2B	Mx	-.142	66
13	MP2C	X	-167.194	6
14	MP2C	Z	96.529	6
15	MP2C	Mx	.129	6
16	MP2C	X	-167.194	66
17	MP2C	Z	96.529	66
18	MP2C	Mx	.129	66
19	MP2A	X	-135.025	6
20	MP2A	Z	77.957	6
21	MP2A	Mx	.142	6
22	MP2A	X	-135.025	66
23	MP2A	Z	77.957	66
24	MP2A	Mx	.142	66
25	MP2B	X	-135.025	6
26	MP2B	Z	77.957	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
27	MP2B	Mx	-.038	6
28	MP2B	X	-135.025	66
29	MP2B	Z	77.957	66
30	MP2B	Mx	-.038	66
31	MP2C	X	-167.194	6
32	MP2C	Z	96.529	6
33	MP2C	Mx	-.129	6
34	MP2C	X	-167.194	66
35	MP2C	Z	96.529	66
36	MP2C	Mx	-.129	66
37	MP3A	X	-33.752	24
38	MP3A	Z	19.487	24
39	MP3A	Mx	.017	24
40	MP3A	X	-33.752	48
41	MP3A	Z	19.487	48
42	MP3A	Mx	.017	48
43	MP3B	X	-33.752	24
44	MP3B	Z	19.487	24
45	MP3B	Mx	-.017	24
46	MP3B	X	-33.752	48
47	MP3B	Z	19.487	48
48	MP3B	Mx	-.017	48
49	MP3C	X	-66.403	24
50	MP3C	Z	38.338	24
51	MP3C	Mx	0	24
52	MP3C	X	-66.403	48
53	MP3C	Z	38.338	48
54	MP3C	Mx	0	48
55	MP1A	X	-82.336	6
56	MP1A	Z	47.537	6
57	MP1A	Mx	.041	6
58	MP1A	X	-82.336	66
59	MP1A	Z	47.537	66
60	MP1A	Mx	.041	66
61	MP1B	X	-82.336	6
62	MP1B	Z	47.537	6
63	MP1B	Mx	-.041	6
64	MP1B	X	-82.336	66
65	MP1B	Z	47.537	66
66	MP1B	Mx	-.041	66
67	MP1C	X	-97.572	6
68	MP1C	Z	56.333	6
69	MP1C	Mx	0	6
70	MP1C	X	-97.572	66
71	MP1C	Z	56.333	66
72	MP1C	Mx	0	66
73	MP2A	X	-44.742	18
74	MP2A	Z	25.832	18
75	MP2A	Mx	-.03	18
76	MP2B	X	-44.742	18
77	MP2B	Z	25.832	18
78	MP2B	Mx	.03	18
79	MP2C	X	-63.354	18
80	MP2C	Z	36.577	18
81	MP2C	Mx	0	18
82	MP2A	X	-47.6	45
83	MP2A	Z	27.482	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
84	MP2A	Mx	-.032	45
85	MP2B	X	-47.6	45
86	MP2B	Z	27.482	45
87	MP2B	Mx	.032	45
88	MP2C	X	-63.354	45
89	MP2C	Z	36.577	45
90	MP2C	Mx	0	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-143.532	6
2	MP2A	Z	0	6
3	MP2A	Mx	.096	6
4	MP2A	X	-143.532	66
5	MP2A	Z	0	66
6	MP2A	Mx	.096	66
7	MP2B	X	-180.677	6
8	MP2B	Z	0	6
9	MP2B	Mx	-.165	6
10	MP2B	X	-180.677	66
11	MP2B	Z	0	66
12	MP2B	Mx	-.165	66
13	MP2C	X	-180.677	6
14	MP2C	Z	0	6
15	MP2C	Mx	.044	6
16	MP2C	X	-180.677	66
17	MP2C	Z	0	66
18	MP2C	Mx	.044	66
19	MP2A	X	-143.532	6
20	MP2A	Z	0	6
21	MP2A	Mx	.096	6
22	MP2A	X	-143.532	66
23	MP2A	Z	0	66
24	MP2A	Mx	.096	66
25	MP2B	X	-180.677	6
26	MP2B	Z	0	6
27	MP2B	Mx	.044	6
28	MP2B	X	-180.677	66
29	MP2B	Z	0	66
30	MP2B	Mx	.044	66
31	MP2C	X	-180.677	6
32	MP2C	Z	0	6
33	MP2C	Mx	-.165	6
34	MP2C	X	-180.677	66
35	MP2C	Z	0	66
36	MP2C	Mx	-.165	66
37	MP3A	X	-26.406	24
38	MP3A	Z	0	24
39	MP3A	Mx	.013	24
40	MP3A	X	-26.406	48
41	MP3A	Z	0	48
42	MP3A	Mx	.013	48
43	MP3B	X	-64.108	24
44	MP3B	Z	0	24
45	MP3B	Mx	-.016	24
46	MP3B	X	-64.108	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
47	MP3B	Z	0	48
48	MP3B	Mx	-.016	48
49	MP3C	X	-64.108	24
50	MP3C	Z	0	24
51	MP3C	Mx	-.016	24
52	MP3C	X	-64.108	48
53	MP3C	Z	0	48
54	MP3C	Mx	-.016	48
55	MP1A	X	-89.209	6
56	MP1A	Z	0	6
57	MP1A	Mx	.045	6
58	MP1A	X	-89.209	66
59	MP1A	Z	0	66
60	MP1A	Mx	.045	66
61	MP1B	X	-106.802	6
62	MP1B	Z	0	6
63	MP1B	Mx	-.027	6
64	MP1B	X	-106.802	66
65	MP1B	Z	0	66
66	MP1B	Mx	-.027	66
67	MP1C	X	-106.802	6
68	MP1C	Z	0	6
69	MP1C	Mx	-.027	6
70	MP1C	X	-106.802	66
71	MP1C	Z	0	66
72	MP1C	Mx	-.027	66
73	MP2A	X	-44.499	18
74	MP2A	Z	0	18
75	MP2A	Mx	-.03	18
76	MP2B	X	-65.991	18
77	MP2B	Z	0	18
78	MP2B	Mx	.022	18
79	MP2C	X	-65.991	18
80	MP2C	Z	0	18
81	MP2C	Mx	.022	18
82	MP2A	X	-48.9	45
83	MP2A	Z	0	45
84	MP2A	Mx	-.033	45
85	MP2B	X	-67.091	45
86	MP2B	Z	0	45
87	MP2B	Mx	.022	45
88	MP2C	X	-67.091	45
89	MP2C	Z	0	45
90	MP2C	Mx	.022	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-135.025	6
2	MP2A	Z	-77.957	6
3	MP2A	Mx	.142	6
4	MP2A	X	-135.025	66
5	MP2A	Z	-77.957	66
6	MP2A	Mx	.142	66
7	MP2B	X	-167.194	6
8	MP2B	Z	-96.529	6
9	MP2B	Mx	-.129	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	MP2B	X	-167.194	66
11	MP2B	Z	-96.529	66
12	MP2B	Mx	-.129	66
13	MP2C	X	-135.025	6
14	MP2C	Z	-77.957	6
15	MP2C	Mx	-.038	6
16	MP2C	X	-135.025	66
17	MP2C	Z	-77.957	66
18	MP2C	Mx	-.038	66
19	MP2A	X	-135.025	6
20	MP2A	Z	-77.957	6
21	MP2A	Mx	.038	6
22	MP2A	X	-135.025	66
23	MP2A	Z	-77.957	66
24	MP2A	Mx	.038	66
25	MP2B	X	-167.194	6
26	MP2B	Z	-96.529	6
27	MP2B	Mx	.129	6
28	MP2B	X	-167.194	66
29	MP2B	Z	-96.529	66
30	MP2B	Mx	.129	66
31	MP2C	X	-135.025	6
32	MP2C	Z	-77.957	6
33	MP2C	Mx	-.142	6
34	MP2C	X	-135.025	66
35	MP2C	Z	-77.957	66
36	MP2C	Mx	-.142	66
37	MP3A	X	-33.752	24
38	MP3A	Z	-19.487	24
39	MP3A	Mx	.017	24
40	MP3A	X	-33.752	48
41	MP3A	Z	-19.487	48
42	MP3A	Mx	.017	48
43	MP3B	X	-66.403	24
44	MP3B	Z	-38.338	24
45	MP3B	Mx	0	24
46	MP3B	X	-66.403	48
47	MP3B	Z	-38.338	48
48	MP3B	Mx	0	48
49	MP3C	X	-33.752	24
50	MP3C	Z	-19.487	24
51	MP3C	Mx	-.017	24
52	MP3C	X	-33.752	48
53	MP3C	Z	-19.487	48
54	MP3C	Mx	-.017	48
55	MP1A	X	-82.336	6
56	MP1A	Z	-47.537	6
57	MP1A	Mx	.041	6
58	MP1A	X	-82.336	66
59	MP1A	Z	-47.537	66
60	MP1A	Mx	.041	66
61	MP1B	X	-97.572	6
62	MP1B	Z	-56.333	6
63	MP1B	Mx	0	6
64	MP1B	X	-97.572	66
65	MP1B	Z	-56.333	66
66	MP1B	Mx	0	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	MP1C	X	-82.336	6
68	MP1C	Z	-47.537	6
69	MP1C	Mx	-.041	6
70	MP1C	X	-82.336	66
71	MP1C	Z	-47.537	66
72	MP1C	Mx	-.041	66
73	MP2A	X	-44.742	18
74	MP2A	Z	-25.832	18
75	MP2A	Mx	-.03	18
76	MP2B	X	-63.354	18
77	MP2B	Z	-36.577	18
78	MP2B	Mx	0	18
79	MP2C	X	-44.742	18
80	MP2C	Z	-25.832	18
81	MP2C	Mx	.03	18
82	MP2A	X	-47.6	45
83	MP2A	Z	-27.482	45
84	MP2A	Mx	-.032	45
85	MP2B	X	-63.354	45
86	MP2B	Z	-36.577	45
87	MP2B	Mx	0	45
88	MP2C	X	-47.6	45
89	MP2C	Z	-27.482	45
90	MP2C	Mx	.032	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-90.338	6
2	MP2A	Z	-156.471	6
3	MP2A	Mx	.165	6
4	MP2A	X	-90.338	66
5	MP2A	Z	-156.471	66
6	MP2A	Mx	.165	66
7	MP2B	X	-90.338	6
8	MP2B	Z	-156.471	6
9	MP2B	Mx	-.044	6
10	MP2B	X	-90.338	66
11	MP2B	Z	-156.471	66
12	MP2B	Mx	-.044	66
13	MP2C	X	-71.766	6
14	MP2C	Z	-124.302	6
15	MP2C	Mx	-.096	6
16	MP2C	X	-71.766	66
17	MP2C	Z	-124.302	66
18	MP2C	Mx	-.096	66
19	MP2A	X	-90.338	6
20	MP2A	Z	-156.471	6
21	MP2A	Mx	-.044	6
22	MP2A	X	-90.338	66
23	MP2A	Z	-156.471	66
24	MP2A	Mx	-.044	66
25	MP2B	X	-90.338	6
26	MP2B	Z	-156.471	6
27	MP2B	Mx	.165	6
28	MP2B	X	-90.338	66
29	MP2B	Z	-156.471	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
30	MP2B	Mx	.165	66
31	MP2C	X	-71.766	6
32	MP2C	Z	-124.302	6
33	MP2C	Mx	-.096	6
34	MP2C	X	-71.766	66
35	MP2C	Z	-124.302	66
36	MP2C	Mx	-.096	66
37	MP3A	X	-32.054	24
38	MP3A	Z	-55.52	24
39	MP3A	Mx	.016	24
40	MP3A	X	-32.054	48
41	MP3A	Z	-55.52	48
42	MP3A	Mx	.016	48
43	MP3B	X	-32.054	24
44	MP3B	Z	-55.52	24
45	MP3B	Mx	.016	24
46	MP3B	X	-32.054	48
47	MP3B	Z	-55.52	48
48	MP3B	Mx	.016	48
49	MP3C	X	-13.203	24
50	MP3C	Z	-22.868	24
51	MP3C	Mx	-.013	24
52	MP3C	X	-13.203	48
53	MP3C	Z	-22.868	48
54	MP3C	Mx	-.013	48
55	MP1A	X	-53.401	6
56	MP1A	Z	-92.493	6
57	MP1A	Mx	.027	6
58	MP1A	X	-53.401	66
59	MP1A	Z	-92.493	66
60	MP1A	Mx	.027	66
61	MP1B	X	-53.401	6
62	MP1B	Z	-92.493	6
63	MP1B	Mx	.027	6
64	MP1B	X	-53.401	66
65	MP1B	Z	-92.493	66
66	MP1B	Mx	.027	66
67	MP1C	X	-44.605	6
68	MP1C	Z	-77.257	6
69	MP1C	Mx	-.045	6
70	MP1C	X	-44.605	66
71	MP1C	Z	-77.257	66
72	MP1C	Mx	-.045	66
73	MP2A	X	-32.996	18
74	MP2A	Z	-57.15	18
75	MP2A	Mx	-.022	18
76	MP2B	X	-32.996	18
77	MP2B	Z	-57.15	18
78	MP2B	Mx	-.022	18
79	MP2C	X	-22.25	18
80	MP2C	Z	-38.538	18
81	MP2C	Mx	.03	18
82	MP2A	X	-33.546	45
83	MP2A	Z	-58.103	45
84	MP2A	Mx	-.022	45
85	MP2B	X	-33.546	45
86	MP2B	Z	-58.103	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
87	MP2B	Mx	-.022	45
88	MP2C	X	-24.45	45
89	MP2C	Z	-42.349	45
90	MP2C	Mx	.033	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	6
2	MP2A	Z	-37.749	6
3	MP2A	Mx	.025	6
4	MP2A	X	0	66
5	MP2A	Z	-37.749	66
6	MP2A	Mx	.025	66
7	MP2B	X	0	6
8	MP2B	Z	-30.849	6
9	MP2B	Mx	.008	6
10	MP2B	X	0	66
11	MP2B	Z	-30.849	66
12	MP2B	Mx	.008	66
13	MP2C	X	0	6
14	MP2C	Z	-30.849	6
15	MP2C	Mx	-.028	6
16	MP2C	X	0	66
17	MP2C	Z	-30.849	66
18	MP2C	Mx	-.028	66
19	MP2A	X	0	6
20	MP2A	Z	-37.749	6
21	MP2A	Mx	-.025	6
22	MP2A	X	0	66
23	MP2A	Z	-37.749	66
24	MP2A	Mx	-.025	66
25	MP2B	X	0	6
26	MP2B	Z	-30.849	6
27	MP2B	Mx	.028	6
28	MP2B	X	0	66
29	MP2B	Z	-30.849	66
30	MP2B	Mx	.028	66
31	MP2C	X	0	6
32	MP2C	Z	-30.849	6
33	MP2C	Mx	-.008	6
34	MP2C	X	0	66
35	MP2C	Z	-30.849	66
36	MP2C	Mx	-.008	66
37	MP3A	X	0	24
38	MP3A	Z	-18.614	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	-18.614	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	-10.592	24
45	MP3B	Mx	.005	24
46	MP3B	X	0	48
47	MP3B	Z	-10.592	48
48	MP3B	Mx	.005	48
49	MP3C	X	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
50	MP3C	Z	-10.592	24
51	MP3C	Mx	-.005	24
52	MP3C	X	0	48
53	MP3C	Z	-10.592	48
54	MP3C	Mx	-.005	48
55	MP1A	X	0	6
56	MP1A	Z	-23.073	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	-23.073	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	-19.775	6
63	MP1B	Mx	.009	6
64	MP1B	X	0	66
65	MP1B	Z	-19.775	66
66	MP1B	Mx	.009	66
67	MP1C	X	0	6
68	MP1C	Z	-19.775	6
69	MP1C	Mx	-.009	6
70	MP1C	X	0	66
71	MP1C	Z	-19.775	66
72	MP1C	Mx	-.009	66
73	MP2A	X	0	18
74	MP2A	Z	-15.675	18
75	MP2A	Mx	0	18
76	MP2B	X	0	18
77	MP2B	Z	-11.446	18
78	MP2B	Mx	-.007	18
79	MP2C	X	0	18
80	MP2C	Z	-11.446	18
81	MP2C	Mx	.007	18
82	MP2A	X	0	45
83	MP2A	Z	-15.675	45
84	MP2A	Mx	0	45
85	MP2B	X	0	45
86	MP2B	Z	-12.091	45
87	MP2B	Mx	-.007	45
88	MP2C	X	0	45
89	MP2C	Z	-12.091	45
90	MP2C	Mx	.007	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	17.725	6
2	MP2A	Z	-30.7	6
3	MP2A	Mx	.009	6
4	MP2A	X	17.725	66
5	MP2A	Z	-30.7	66
6	MP2A	Mx	.009	66
7	MP2B	X	14.275	6
8	MP2B	Z	-24.725	6
9	MP2B	Mx	.019	6
10	MP2B	X	14.275	66
11	MP2B	Z	-24.725	66
12	MP2B	Mx	.019	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP2C	X	17.725	6
14	MP2C	Z	-30.7	6
15	MP2C	Mx	-.032	6
16	MP2C	X	17.725	66
17	MP2C	Z	-30.7	66
18	MP2C	Mx	-.032	66
19	MP2A	X	17.725	6
20	MP2A	Z	-30.7	6
21	MP2A	Mx	-.032	6
22	MP2A	X	17.725	66
23	MP2A	Z	-30.7	66
24	MP2A	Mx	-.032	66
25	MP2B	X	14.275	6
26	MP2B	Z	-24.725	6
27	MP2B	Mx	.019	6
28	MP2B	X	14.275	66
29	MP2B	Z	-24.725	66
30	MP2B	Mx	.019	66
31	MP2C	X	17.725	6
32	MP2C	Z	-30.7	6
33	MP2C	Mx	.009	6
34	MP2C	X	17.725	66
35	MP2C	Z	-30.7	66
36	MP2C	Mx	.009	66
37	MP3A	X	7.97	24
38	MP3A	Z	-13.804	24
39	MP3A	Mx	-.004	24
40	MP3A	X	7.97	48
41	MP3A	Z	-13.804	48
42	MP3A	Mx	-.004	48
43	MP3B	X	3.959	24
44	MP3B	Z	-6.858	24
45	MP3B	Mx	.004	24
46	MP3B	X	3.959	48
47	MP3B	Z	-6.858	48
48	MP3B	Mx	.004	48
49	MP3C	X	7.97	24
50	MP3C	Z	-13.804	24
51	MP3C	Mx	-.004	24
52	MP3C	X	7.97	48
53	MP3C	Z	-13.804	48
54	MP3C	Mx	-.004	48
55	MP1A	X	10.987	6
56	MP1A	Z	-19.029	6
57	MP1A	Mx	-.005	6
58	MP1A	X	10.987	66
59	MP1A	Z	-19.029	66
60	MP1A	Mx	-.005	66
61	MP1B	X	9.338	6
62	MP1B	Z	-16.173	6
63	MP1B	Mx	.009	6
64	MP1B	X	9.338	66
65	MP1B	Z	-16.173	66
66	MP1B	Mx	.009	66
67	MP1C	X	10.987	6
68	MP1C	Z	-19.029	6
69	MP1C	Mx	-.005	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
70	MP1C	X	10.987	66
71	MP1C	Z	-19.029	66
72	MP1C	Mx	-.005	66
73	MP2A	X	7.133	18
74	MP2A	Z	-12.354	18
75	MP2A	Mx	.005	18
76	MP2B	X	5.018	18
77	MP2B	Z	-8.692	18
78	MP2B	Mx	-.007	18
79	MP2C	X	7.133	18
80	MP2C	Z	-12.354	18
81	MP2C	Mx	.005	18
82	MP2A	X	7.24	45
83	MP2A	Z	-12.54	45
84	MP2A	Mx	.005	45
85	MP2B	X	5.448	45
86	MP2B	Z	-9.437	45
87	MP2B	Mx	-.007	45
88	MP2C	X	7.24	45
89	MP2C	Z	-12.54	45
90	MP2C	Mx	.005	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	26.716	6
2	MP2A	Z	-15.425	6
3	MP2A	Mx	-.008	6
4	MP2A	X	26.716	66
5	MP2A	Z	-15.425	66
6	MP2A	Mx	-.008	66
7	MP2B	X	26.716	6
8	MP2B	Z	-15.425	6
9	MP2B	Mx	.028	6
10	MP2B	X	26.716	66
11	MP2B	Z	-15.425	66
12	MP2B	Mx	.028	66
13	MP2C	X	32.692	6
14	MP2C	Z	-18.875	6
15	MP2C	Mx	-.025	6
16	MP2C	X	32.692	66
17	MP2C	Z	-18.875	66
18	MP2C	Mx	-.025	66
19	MP2A	X	26.716	6
20	MP2A	Z	-15.425	6
21	MP2A	Mx	-.028	6
22	MP2A	X	26.716	66
23	MP2A	Z	-15.425	66
24	MP2A	Mx	-.028	66
25	MP2B	X	26.716	6
26	MP2B	Z	-15.425	6
27	MP2B	Mx	.008	6
28	MP2B	X	26.716	66
29	MP2B	Z	-15.425	66
30	MP2B	Mx	.008	66
31	MP2C	X	32.692	6
32	MP2C	Z	-18.875	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP2C	Mx	.025	6
34	MP2C	X	32.692	66
35	MP2C	Z	-18.875	66
36	MP2C	Mx	.025	66
37	MP3A	X	9.173	24
38	MP3A	Z	-5.296	24
39	MP3A	Mx	-.005	24
40	MP3A	X	9.173	48
41	MP3A	Z	-5.296	48
42	MP3A	Mx	-.005	48
43	MP3B	X	9.173	24
44	MP3B	Z	-5.296	24
45	MP3B	Mx	.005	24
46	MP3B	X	9.173	48
47	MP3B	Z	-5.296	48
48	MP3B	Mx	.005	48
49	MP3C	X	16.12	24
50	MP3C	Z	-9.307	24
51	MP3C	Mx	0	24
52	MP3C	X	16.12	48
53	MP3C	Z	-9.307	48
54	MP3C	Mx	0	48
55	MP1A	X	17.125	6
56	MP1A	Z	-9.887	6
57	MP1A	Mx	-.009	6
58	MP1A	X	17.125	66
59	MP1A	Z	-9.887	66
60	MP1A	Mx	-.009	66
61	MP1B	X	17.125	6
62	MP1B	Z	-9.887	6
63	MP1B	Mx	.009	6
64	MP1B	X	17.125	66
65	MP1B	Z	-9.887	66
66	MP1B	Mx	.009	66
67	MP1C	X	19.982	6
68	MP1C	Z	-11.536	6
69	MP1C	Mx	0	6
70	MP1C	X	19.982	66
71	MP1C	Z	-11.536	66
72	MP1C	Mx	0	66
73	MP2A	X	9.913	18
74	MP2A	Z	-5.723	18
75	MP2A	Mx	.007	18
76	MP2B	X	9.913	18
77	MP2B	Z	-5.723	18
78	MP2B	Mx	-.007	18
79	MP2C	X	13.575	18
80	MP2C	Z	-7.837	18
81	MP2C	Mx	0	18
82	MP2A	X	10.471	45
83	MP2A	Z	-6.046	45
84	MP2A	Mx	.007	45
85	MP2B	X	10.471	45
86	MP2B	Z	-6.046	45
87	MP2B	Mx	-.007	45
88	MP2C	X	13.575	45
89	MP2C	Z	-7.837	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
90	MP2C	Mx	0	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	28.55	6
2	MP2A	Z	0	6
3	MP2A	Mx	-.019	6
4	MP2A	X	28.55	66
5	MP2A	Z	0	66
6	MP2A	Mx	-.019	66
7	MP2B	X	35.449	6
8	MP2B	Z	0	6
9	MP2B	Mx	.032	6
10	MP2B	X	35.449	66
11	MP2B	Z	0	66
12	MP2B	Mx	.032	66
13	MP2C	X	35.449	6
14	MP2C	Z	0	6
15	MP2C	Mx	-.009	6
16	MP2C	X	35.449	66
17	MP2C	Z	0	66
18	MP2C	Mx	-.009	66
19	MP2A	X	28.55	6
20	MP2A	Z	0	6
21	MP2A	Mx	-.019	6
22	MP2A	X	28.55	66
23	MP2A	Z	0	66
24	MP2A	Mx	-.019	66
25	MP2B	X	35.449	6
26	MP2B	Z	0	6
27	MP2B	Mx	-.009	6
28	MP2B	X	35.449	66
29	MP2B	Z	0	66
30	MP2B	Mx	-.009	66
31	MP2C	X	35.449	6
32	MP2C	Z	0	6
33	MP2C	Mx	.032	6
34	MP2C	X	35.449	66
35	MP2C	Z	0	66
36	MP2C	Mx	.032	66
37	MP3A	X	7.918	24
38	MP3A	Z	0	24
39	MP3A	Mx	-.004	24
40	MP3A	X	7.918	48
41	MP3A	Z	0	48
42	MP3A	Mx	-.004	48
43	MP3B	X	15.94	24
44	MP3B	Z	0	24
45	MP3B	Mx	.004	24
46	MP3B	X	15.94	48
47	MP3B	Z	0	48
48	MP3B	Mx	.004	48
49	MP3C	X	15.94	24
50	MP3C	Z	0	24
51	MP3C	Mx	.004	24
52	MP3C	X	15.94	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP3C	Z	0	48
54	MP3C	Mx	.004	48
55	MP1A	X	18.675	6
56	MP1A	Z	0	6
57	MP1A	Mx	-.009	6
58	MP1A	X	18.675	66
59	MP1A	Z	0	66
60	MP1A	Mx	-.009	66
61	MP1B	X	21.973	6
62	MP1B	Z	0	6
63	MP1B	Mx	.005	6
64	MP1B	X	21.973	66
65	MP1B	Z	0	66
66	MP1B	Mx	.005	66
67	MP1C	X	21.973	6
68	MP1C	Z	0	6
69	MP1C	Mx	.005	6
70	MP1C	X	21.973	66
71	MP1C	Z	0	66
72	MP1C	Mx	.005	66
73	MP2A	X	10.037	18
74	MP2A	Z	0	18
75	MP2A	Mx	.007	18
76	MP2B	X	14.265	18
77	MP2B	Z	0	18
78	MP2B	Mx	-.005	18
79	MP2C	X	14.265	18
80	MP2C	Z	0	18
81	MP2C	Mx	-.005	18
82	MP2A	X	10.897	45
83	MP2A	Z	0	45
84	MP2A	Mx	.007	45
85	MP2B	X	14.48	45
86	MP2B	Z	0	45
87	MP2B	Mx	-.005	45
88	MP2C	X	14.48	45
89	MP2C	Z	0	45
90	MP2C	Mx	-.005	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	26.716	6
2	MP2A	Z	15.425	6
3	MP2A	Mx	-.028	6
4	MP2A	X	26.716	66
5	MP2A	Z	15.425	66
6	MP2A	Mx	-.028	66
7	MP2B	X	32.692	6
8	MP2B	Z	18.875	6
9	MP2B	Mx	.025	6
10	MP2B	X	32.692	66
11	MP2B	Z	18.875	66
12	MP2B	Mx	.025	66
13	MP2C	X	26.716	6
14	MP2C	Z	15.425	6
15	MP2C	Mx	.008	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP2C	X	26.716	66
17	MP2C	Z	15.425	66
18	MP2C	Mx	.008	66
19	MP2A	X	26.716	6
20	MP2A	Z	15.425	6
21	MP2A	Mx	-.008	6
22	MP2A	X	26.716	66
23	MP2A	Z	15.425	66
24	MP2A	Mx	-.008	66
25	MP2B	X	32.692	6
26	MP2B	Z	18.875	6
27	MP2B	Mx	-.025	6
28	MP2B	X	32.692	66
29	MP2B	Z	18.875	66
30	MP2B	Mx	-.025	66
31	MP2C	X	26.716	6
32	MP2C	Z	15.425	6
33	MP2C	Mx	.028	6
34	MP2C	X	26.716	66
35	MP2C	Z	15.425	66
36	MP2C	Mx	.028	66
37	MP3A	X	9.173	24
38	MP3A	Z	5.296	24
39	MP3A	Mx	-.005	24
40	MP3A	X	9.173	48
41	MP3A	Z	5.296	48
42	MP3A	Mx	-.005	48
43	MP3B	X	16.12	24
44	MP3B	Z	9.307	24
45	MP3B	Mx	0	24
46	MP3B	X	16.12	48
47	MP3B	Z	9.307	48
48	MP3B	Mx	0	48
49	MP3C	X	9.173	24
50	MP3C	Z	5.296	24
51	MP3C	Mx	.005	24
52	MP3C	X	9.173	48
53	MP3C	Z	5.296	48
54	MP3C	Mx	.005	48
55	MP1A	X	17.125	6
56	MP1A	Z	9.887	6
57	MP1A	Mx	-.009	6
58	MP1A	X	17.125	66
59	MP1A	Z	9.887	66
60	MP1A	Mx	-.009	66
61	MP1B	X	19.982	6
62	MP1B	Z	11.536	6
63	MP1B	Mx	0	6
64	MP1B	X	19.982	66
65	MP1B	Z	11.536	66
66	MP1B	Mx	0	66
67	MP1C	X	17.125	6
68	MP1C	Z	9.887	6
69	MP1C	Mx	.009	6
70	MP1C	X	17.125	66
71	MP1C	Z	9.887	66
72	MP1C	Mx	.009	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	9.913	18
74	MP2A	Z	5.723	18
75	MP2A	Mx	.007	18
76	MP2B	X	13.575	18
77	MP2B	Z	7.837	18
78	MP2B	Mx	0	18
79	MP2C	X	9.913	18
80	MP2C	Z	5.723	18
81	MP2C	Mx	-.007	18
82	MP2A	X	10.471	45
83	MP2A	Z	6.046	45
84	MP2A	Mx	.007	45
85	MP2B	X	13.575	45
86	MP2B	Z	7.837	45
87	MP2B	Mx	0	45
88	MP2C	X	10.471	45
89	MP2C	Z	6.046	45
90	MP2C	Mx	-.007	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	17.725	6
2	MP2A	Z	30.7	6
3	MP2A	Mx	-.032	6
4	MP2A	X	17.725	66
5	MP2A	Z	30.7	66
6	MP2A	Mx	-.032	66
7	MP2B	X	17.725	6
8	MP2B	Z	30.7	6
9	MP2B	Mx	.009	6
10	MP2B	X	17.725	66
11	MP2B	Z	30.7	66
12	MP2B	Mx	.009	66
13	MP2C	X	14.275	6
14	MP2C	Z	24.725	6
15	MP2C	Mx	.019	6
16	MP2C	X	14.275	66
17	MP2C	Z	24.725	66
18	MP2C	Mx	.019	66
19	MP2A	X	17.725	6
20	MP2A	Z	30.7	6
21	MP2A	Mx	.009	6
22	MP2A	X	17.725	66
23	MP2A	Z	30.7	66
24	MP2A	Mx	.009	66
25	MP2B	X	17.725	6
26	MP2B	Z	30.7	6
27	MP2B	Mx	-.032	6
28	MP2B	X	17.725	66
29	MP2B	Z	30.7	66
30	MP2B	Mx	-.032	66
31	MP2C	X	14.275	6
32	MP2C	Z	24.725	6
33	MP2C	Mx	.019	6
34	MP2C	X	14.275	66
35	MP2C	Z	24.725	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP2C	Mx	.019	66
37	MP3A	X	7.97	24
38	MP3A	Z	13.804	24
39	MP3A	Mx	-.004	24
40	MP3A	X	7.97	48
41	MP3A	Z	13.804	48
42	MP3A	Mx	-.004	48
43	MP3B	X	7.97	24
44	MP3B	Z	13.804	24
45	MP3B	Mx	-.004	24
46	MP3B	X	7.97	48
47	MP3B	Z	13.804	48
48	MP3B	Mx	-.004	48
49	MP3C	X	3.959	24
50	MP3C	Z	6.858	24
51	MP3C	Mx	.004	24
52	MP3C	X	3.959	48
53	MP3C	Z	6.858	48
54	MP3C	Mx	.004	48
55	MP1A	X	10.987	6
56	MP1A	Z	19.029	6
57	MP1A	Mx	-.005	6
58	MP1A	X	10.987	66
59	MP1A	Z	19.029	66
60	MP1A	Mx	-.005	66
61	MP1B	X	10.987	6
62	MP1B	Z	19.029	6
63	MP1B	Mx	-.005	6
64	MP1B	X	10.987	66
65	MP1B	Z	19.029	66
66	MP1B	Mx	-.005	66
67	MP1C	X	9.338	6
68	MP1C	Z	16.173	6
69	MP1C	Mx	.009	6
70	MP1C	X	9.338	66
71	MP1C	Z	16.173	66
72	MP1C	Mx	.009	66
73	MP2A	X	7.133	18
74	MP2A	Z	12.354	18
75	MP2A	Mx	.005	18
76	MP2B	X	7.133	18
77	MP2B	Z	12.354	18
78	MP2B	Mx	.005	18
79	MP2C	X	5.018	18
80	MP2C	Z	8.692	18
81	MP2C	Mx	-.007	18
82	MP2A	X	7.24	45
83	MP2A	Z	12.54	45
84	MP2A	Mx	.005	45
85	MP2B	X	7.24	45
86	MP2B	Z	12.54	45
87	MP2B	Mx	.005	45
88	MP2C	X	5.448	45
89	MP2C	Z	9.437	45
90	MP2C	Mx	-.007	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	6
2	MP2A	Z	37.749	6
3	MP2A	Mx	-.025	6
4	MP2A	X	0	66
5	MP2A	Z	37.749	66
6	MP2A	Mx	-.025	66
7	MP2B	X	0	6
8	MP2B	Z	30.849	6
9	MP2B	Mx	-.008	6
10	MP2B	X	0	66
11	MP2B	Z	30.849	66
12	MP2B	Mx	-.008	66
13	MP2C	X	0	6
14	MP2C	Z	30.849	6
15	MP2C	Mx	.028	6
16	MP2C	X	0	66
17	MP2C	Z	30.849	66
18	MP2C	Mx	.028	66
19	MP2A	X	0	6
20	MP2A	Z	37.749	6
21	MP2A	Mx	.025	6
22	MP2A	X	0	66
23	MP2A	Z	37.749	66
24	MP2A	Mx	.025	66
25	MP2B	X	0	6
26	MP2B	Z	30.849	6
27	MP2B	Mx	-.028	6
28	MP2B	X	0	66
29	MP2B	Z	30.849	66
30	MP2B	Mx	-.028	66
31	MP2C	X	0	6
32	MP2C	Z	30.849	6
33	MP2C	Mx	.008	6
34	MP2C	X	0	66
35	MP2C	Z	30.849	66
36	MP2C	Mx	.008	66
37	MP3A	X	0	24
38	MP3A	Z	18.614	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	18.614	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	10.592	24
45	MP3B	Mx	-.005	24
46	MP3B	X	0	48
47	MP3B	Z	10.592	48
48	MP3B	Mx	-.005	48
49	MP3C	X	0	24
50	MP3C	Z	10.592	24
51	MP3C	Mx	.005	24
52	MP3C	X	0	48
53	MP3C	Z	10.592	48
54	MP3C	Mx	.005	48
55	MP1A	X	0	6
56	MP1A	Z	23.073	6
57	MP1A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	0	66
59	MP1A	Z	23.073	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	19.775	6
63	MP1B	Mx	-.009	6
64	MP1B	X	0	66
65	MP1B	Z	19.775	66
66	MP1B	Mx	-.009	66
67	MP1C	X	0	6
68	MP1C	Z	19.775	6
69	MP1C	Mx	.009	6
70	MP1C	X	0	66
71	MP1C	Z	19.775	66
72	MP1C	Mx	.009	66
73	MP2A	X	0	18
74	MP2A	Z	15.675	18
75	MP2A	Mx	0	18
76	MP2B	X	0	18
77	MP2B	Z	11.446	18
78	MP2B	Mx	.007	18
79	MP2C	X	0	18
80	MP2C	Z	11.446	18
81	MP2C	Mx	-.007	18
82	MP2A	X	0	45
83	MP2A	Z	15.675	45
84	MP2A	Mx	0	45
85	MP2B	X	0	45
86	MP2B	Z	12.091	45
87	MP2B	Mx	.007	45
88	MP2C	X	0	45
89	MP2C	Z	12.091	45
90	MP2C	Mx	-.007	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-17.725	6
2	MP2A	Z	30.7	6
3	MP2A	Mx	-.009	6
4	MP2A	X	-17.725	66
5	MP2A	Z	30.7	66
6	MP2A	Mx	-.009	66
7	MP2B	X	-14.275	6
8	MP2B	Z	24.725	6
9	MP2B	Mx	-.019	6
10	MP2B	X	-14.275	66
11	MP2B	Z	24.725	66
12	MP2B	Mx	-.019	66
13	MP2C	X	-17.725	6
14	MP2C	Z	30.7	6
15	MP2C	Mx	.032	6
16	MP2C	X	-17.725	66
17	MP2C	Z	30.7	66
18	MP2C	Mx	.032	66
19	MP2A	X	-17.725	6
20	MP2A	Z	30.7	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP2A	Mx	.032	6
22	MP2A	X	-17.725	66
23	MP2A	Z	30.7	66
24	MP2A	Mx	.032	66
25	MP2B	X	-14.275	6
26	MP2B	Z	24.725	6
27	MP2B	Mx	-.019	6
28	MP2B	X	-14.275	66
29	MP2B	Z	24.725	66
30	MP2B	Mx	-.019	66
31	MP2C	X	-17.725	6
32	MP2C	Z	30.7	6
33	MP2C	Mx	-.009	6
34	MP2C	X	-17.725	66
35	MP2C	Z	30.7	66
36	MP2C	Mx	-.009	66
37	MP3A	X	-7.97	24
38	MP3A	Z	13.804	24
39	MP3A	Mx	.004	24
40	MP3A	X	-7.97	48
41	MP3A	Z	13.804	48
42	MP3A	Mx	.004	48
43	MP3B	X	-3.959	24
44	MP3B	Z	6.858	24
45	MP3B	Mx	-.004	24
46	MP3B	X	-3.959	48
47	MP3B	Z	6.858	48
48	MP3B	Mx	-.004	48
49	MP3C	X	-7.97	24
50	MP3C	Z	13.804	24
51	MP3C	Mx	.004	24
52	MP3C	X	-7.97	48
53	MP3C	Z	13.804	48
54	MP3C	Mx	.004	48
55	MP1A	X	-10.987	6
56	MP1A	Z	19.029	6
57	MP1A	Mx	.005	6
58	MP1A	X	-10.987	66
59	MP1A	Z	19.029	66
60	MP1A	Mx	.005	66
61	MP1B	X	-9.338	6
62	MP1B	Z	16.173	6
63	MP1B	Mx	-.009	6
64	MP1B	X	-9.338	66
65	MP1B	Z	16.173	66
66	MP1B	Mx	-.009	66
67	MP1C	X	-10.987	6
68	MP1C	Z	19.029	6
69	MP1C	Mx	.005	6
70	MP1C	X	-10.987	66
71	MP1C	Z	19.029	66
72	MP1C	Mx	.005	66
73	MP2A	X	-7.133	18
74	MP2A	Z	12.354	18
75	MP2A	Mx	-.005	18
76	MP2B	X	-5.018	18
77	MP2B	Z	8.692	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
78	MP2B	Mx	.007	18
79	MP2C	X	-7.133	18
80	MP2C	Z	12.354	18
81	MP2C	Mx	-.005	18
82	MP2A	X	-7.24	45
83	MP2A	Z	12.54	45
84	MP2A	Mx	-.005	45
85	MP2B	X	-5.448	45
86	MP2B	Z	9.437	45
87	MP2B	Mx	.007	45
88	MP2C	X	-7.24	45
89	MP2C	Z	12.54	45
90	MP2C	Mx	-.005	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-26.716	6
2	MP2A	Z	15.425	6
3	MP2A	Mx	.008	6
4	MP2A	X	-26.716	66
5	MP2A	Z	15.425	66
6	MP2A	Mx	.008	66
7	MP2B	X	-26.716	6
8	MP2B	Z	15.425	6
9	MP2B	Mx	-.028	6
10	MP2B	X	-26.716	66
11	MP2B	Z	15.425	66
12	MP2B	Mx	-.028	66
13	MP2C	X	-32.692	6
14	MP2C	Z	18.875	6
15	MP2C	Mx	.025	6
16	MP2C	X	-32.692	66
17	MP2C	Z	18.875	66
18	MP2C	Mx	.025	66
19	MP2A	X	-26.716	6
20	MP2A	Z	15.425	6
21	MP2A	Mx	.028	6
22	MP2A	X	-26.716	66
23	MP2A	Z	15.425	66
24	MP2A	Mx	.028	66
25	MP2B	X	-26.716	6
26	MP2B	Z	15.425	6
27	MP2B	Mx	-.008	6
28	MP2B	X	-26.716	66
29	MP2B	Z	15.425	66
30	MP2B	Mx	-.008	66
31	MP2C	X	-32.692	6
32	MP2C	Z	18.875	6
33	MP2C	Mx	-.025	6
34	MP2C	X	-32.692	66
35	MP2C	Z	18.875	66
36	MP2C	Mx	-.025	66
37	MP3A	X	-9.173	24
38	MP3A	Z	5.296	24
39	MP3A	Mx	.005	24
40	MP3A	X	-9.173	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP3A	Z	5.296	48
42	MP3A	Mx	.005	48
43	MP3B	X	-9.173	24
44	MP3B	Z	5.296	24
45	MP3B	Mx	-.005	24
46	MP3B	X	-9.173	48
47	MP3B	Z	5.296	48
48	MP3B	Mx	-.005	48
49	MP3C	X	-16.12	24
50	MP3C	Z	9.307	24
51	MP3C	Mx	0	24
52	MP3C	X	-16.12	48
53	MP3C	Z	9.307	48
54	MP3C	Mx	0	48
55	MP1A	X	-17.125	6
56	MP1A	Z	9.887	6
57	MP1A	Mx	.009	6
58	MP1A	X	-17.125	66
59	MP1A	Z	9.887	66
60	MP1A	Mx	.009	66
61	MP1B	X	-17.125	6
62	MP1B	Z	9.887	6
63	MP1B	Mx	-.009	6
64	MP1B	X	-17.125	66
65	MP1B	Z	9.887	66
66	MP1B	Mx	-.009	66
67	MP1C	X	-19.982	6
68	MP1C	Z	11.536	6
69	MP1C	Mx	0	6
70	MP1C	X	-19.982	66
71	MP1C	Z	11.536	66
72	MP1C	Mx	0	66
73	MP2A	X	-9.913	18
74	MP2A	Z	5.723	18
75	MP2A	Mx	-.007	18
76	MP2B	X	-9.913	18
77	MP2B	Z	5.723	18
78	MP2B	Mx	.007	18
79	MP2C	X	-13.575	18
80	MP2C	Z	7.837	18
81	MP2C	Mx	0	18
82	MP2A	X	-10.471	45
83	MP2A	Z	6.046	45
84	MP2A	Mx	-.007	45
85	MP2B	X	-10.471	45
86	MP2B	Z	6.046	45
87	MP2B	Mx	.007	45
88	MP2C	X	-13.575	45
89	MP2C	Z	7.837	45
90	MP2C	Mx	0	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-28.55	6
2	MP2A	Z	0	6
3	MP2A	Mx	.019	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
4	MP2A	X	-28.55	66
5	MP2A	Z	0	66
6	MP2A	Mx	.019	66
7	MP2B	X	-35.449	6
8	MP2B	Z	0	6
9	MP2B	Mx	-.032	6
10	MP2B	X	-35.449	66
11	MP2B	Z	0	66
12	MP2B	Mx	-.032	66
13	MP2C	X	-35.449	6
14	MP2C	Z	0	6
15	MP2C	Mx	.009	6
16	MP2C	X	-35.449	66
17	MP2C	Z	0	66
18	MP2C	Mx	.009	66
19	MP2A	X	-28.55	6
20	MP2A	Z	0	6
21	MP2A	Mx	.019	6
22	MP2A	X	-28.55	66
23	MP2A	Z	0	66
24	MP2A	Mx	.019	66
25	MP2B	X	-35.449	6
26	MP2B	Z	0	6
27	MP2B	Mx	.009	6
28	MP2B	X	-35.449	66
29	MP2B	Z	0	66
30	MP2B	Mx	.009	66
31	MP2C	X	-35.449	6
32	MP2C	Z	0	6
33	MP2C	Mx	-.032	6
34	MP2C	X	-35.449	66
35	MP2C	Z	0	66
36	MP2C	Mx	-.032	66
37	MP3A	X	-7.918	24
38	MP3A	Z	0	24
39	MP3A	Mx	.004	24
40	MP3A	X	-7.918	48
41	MP3A	Z	0	48
42	MP3A	Mx	.004	48
43	MP3B	X	-15.94	24
44	MP3B	Z	0	24
45	MP3B	Mx	-.004	24
46	MP3B	X	-15.94	48
47	MP3B	Z	0	48
48	MP3B	Mx	-.004	48
49	MP3C	X	-15.94	24
50	MP3C	Z	0	24
51	MP3C	Mx	-.004	24
52	MP3C	X	-15.94	48
53	MP3C	Z	0	48
54	MP3C	Mx	-.004	48
55	MP1A	X	-18.675	6
56	MP1A	Z	0	6
57	MP1A	Mx	.009	6
58	MP1A	X	-18.675	66
59	MP1A	Z	0	66
60	MP1A	Mx	.009	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
61	MP1B	X	-21.973	6
62	MP1B	Z	0	6
63	MP1B	Mx	-.005	6
64	MP1B	X	-21.973	66
65	MP1B	Z	0	66
66	MP1B	Mx	-.005	66
67	MP1C	X	-21.973	6
68	MP1C	Z	0	6
69	MP1C	Mx	-.005	6
70	MP1C	X	-21.973	66
71	MP1C	Z	0	66
72	MP1C	Mx	-.005	66
73	MP2A	X	-10.037	18
74	MP2A	Z	0	18
75	MP2A	Mx	-.007	18
76	MP2B	X	-14.265	18
77	MP2B	Z	0	18
78	MP2B	Mx	.005	18
79	MP2C	X	-14.265	18
80	MP2C	Z	0	18
81	MP2C	Mx	.005	18
82	MP2A	X	-10.897	45
83	MP2A	Z	0	45
84	MP2A	Mx	-.007	45
85	MP2B	X	-14.48	45
86	MP2B	Z	0	45
87	MP2B	Mx	.005	45
88	MP2C	X	-14.48	45
89	MP2C	Z	0	45
90	MP2C	Mx	.005	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-26.716	6
2	MP2A	Z	-15.425	6
3	MP2A	Mx	.028	6
4	MP2A	X	-26.716	66
5	MP2A	Z	-15.425	66
6	MP2A	Mx	.028	66
7	MP2B	X	-32.692	6
8	MP2B	Z	-18.875	6
9	MP2B	Mx	-.025	6
10	MP2B	X	-32.692	66
11	MP2B	Z	-18.875	66
12	MP2B	Mx	-.025	66
13	MP2C	X	-26.716	6
14	MP2C	Z	-15.425	6
15	MP2C	Mx	-.008	6
16	MP2C	X	-26.716	66
17	MP2C	Z	-15.425	66
18	MP2C	Mx	-.008	66
19	MP2A	X	-26.716	6
20	MP2A	Z	-15.425	6
21	MP2A	Mx	.008	6
22	MP2A	X	-26.716	66
23	MP2A	Z	-15.425	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
24	MP2A	Mx	.008	66
25	MP2B	X	-32.692	6
26	MP2B	Z	-18.875	6
27	MP2B	Mx	.025	6
28	MP2B	X	-32.692	66
29	MP2B	Z	-18.875	66
30	MP2B	Mx	.025	66
31	MP2C	X	-26.716	6
32	MP2C	Z	-15.425	6
33	MP2C	Mx	-.028	6
34	MP2C	X	-26.716	66
35	MP2C	Z	-15.425	66
36	MP2C	Mx	-.028	66
37	MP3A	X	-9.173	24
38	MP3A	Z	-5.296	24
39	MP3A	Mx	.005	24
40	MP3A	X	-9.173	48
41	MP3A	Z	-5.296	48
42	MP3A	Mx	.005	48
43	MP3B	X	-16.12	24
44	MP3B	Z	-9.307	24
45	MP3B	Mx	0	24
46	MP3B	X	-16.12	48
47	MP3B	Z	-9.307	48
48	MP3B	Mx	0	48
49	MP3C	X	-9.173	24
50	MP3C	Z	-5.296	24
51	MP3C	Mx	-.005	24
52	MP3C	X	-9.173	48
53	MP3C	Z	-5.296	48
54	MP3C	Mx	-.005	48
55	MP1A	X	-17.125	6
56	MP1A	Z	-9.887	6
57	MP1A	Mx	.009	6
58	MP1A	X	-17.125	66
59	MP1A	Z	-9.887	66
60	MP1A	Mx	.009	66
61	MP1B	X	-19.982	6
62	MP1B	Z	-11.536	6
63	MP1B	Mx	0	6
64	MP1B	X	-19.982	66
65	MP1B	Z	-11.536	66
66	MP1B	Mx	0	66
67	MP1C	X	-17.125	6
68	MP1C	Z	-9.887	6
69	MP1C	Mx	-.009	6
70	MP1C	X	-17.125	66
71	MP1C	Z	-9.887	66
72	MP1C	Mx	-.009	66
73	MP2A	X	-9.913	18
74	MP2A	Z	-5.723	18
75	MP2A	Mx	-.007	18
76	MP2B	X	-13.575	18
77	MP2B	Z	-7.837	18
78	MP2B	Mx	0	18
79	MP2C	X	-9.913	18
80	MP2C	Z	-5.723	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
81	MP2C	Mx	.007	18
82	MP2A	X	-10.471	45
83	MP2A	Z	-6.046	45
84	MP2A	Mx	-.007	45
85	MP2B	X	-13.575	45
86	MP2B	Z	-7.837	45
87	MP2B	Mx	0	45
88	MP2C	X	-10.471	45
89	MP2C	Z	-6.046	45
90	MP2C	Mx	.007	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-17.725	6
2	MP2A	Z	-30.7	6
3	MP2A	Mx	.032	6
4	MP2A	X	-17.725	66
5	MP2A	Z	-30.7	66
6	MP2A	Mx	.032	66
7	MP2B	X	-17.725	6
8	MP2B	Z	-30.7	6
9	MP2B	Mx	-.009	6
10	MP2B	X	-17.725	66
11	MP2B	Z	-30.7	66
12	MP2B	Mx	-.009	66
13	MP2C	X	-14.275	6
14	MP2C	Z	-24.725	6
15	MP2C	Mx	-.019	6
16	MP2C	X	-14.275	66
17	MP2C	Z	-24.725	66
18	MP2C	Mx	-.019	66
19	MP2A	X	-17.725	6
20	MP2A	Z	-30.7	6
21	MP2A	Mx	-.009	6
22	MP2A	X	-17.725	66
23	MP2A	Z	-30.7	66
24	MP2A	Mx	-.009	66
25	MP2B	X	-17.725	6
26	MP2B	Z	-30.7	6
27	MP2B	Mx	.032	6
28	MP2B	X	-17.725	66
29	MP2B	Z	-30.7	66
30	MP2B	Mx	.032	66
31	MP2C	X	-14.275	6
32	MP2C	Z	-24.725	6
33	MP2C	Mx	-.019	6
34	MP2C	X	-14.275	66
35	MP2C	Z	-24.725	66
36	MP2C	Mx	-.019	66
37	MP3A	X	-7.97	24
38	MP3A	Z	-13.804	24
39	MP3A	Mx	.004	24
40	MP3A	X	-7.97	48
41	MP3A	Z	-13.804	48
42	MP3A	Mx	.004	48
43	MP3B	X	-7.97	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
44	MP3B	Z	-13.804	24
45	MP3B	Mx	.004	24
46	MP3B	X	-7.97	48
47	MP3B	Z	-13.804	48
48	MP3B	Mx	.004	48
49	MP3C	X	-3.959	24
50	MP3C	Z	-6.858	24
51	MP3C	Mx	-.004	24
52	MP3C	X	-3.959	48
53	MP3C	Z	-6.858	48
54	MP3C	Mx	-.004	48
55	MP1A	X	-10.987	6
56	MP1A	Z	-19.029	6
57	MP1A	Mx	.005	6
58	MP1A	X	-10.987	66
59	MP1A	Z	-19.029	66
60	MP1A	Mx	.005	66
61	MP1B	X	-10.987	6
62	MP1B	Z	-19.029	6
63	MP1B	Mx	.005	6
64	MP1B	X	-10.987	66
65	MP1B	Z	-19.029	66
66	MP1B	Mx	.005	66
67	MP1C	X	-9.338	6
68	MP1C	Z	-16.173	6
69	MP1C	Mx	-.009	6
70	MP1C	X	-9.338	66
71	MP1C	Z	-16.173	66
72	MP1C	Mx	-.009	66
73	MP2A	X	-7.133	18
74	MP2A	Z	-12.354	18
75	MP2A	Mx	-.005	18
76	MP2B	X	-7.133	18
77	MP2B	Z	-12.354	18
78	MP2B	Mx	-.005	18
79	MP2C	X	-5.018	18
80	MP2C	Z	-8.692	18
81	MP2C	Mx	.007	18
82	MP2A	X	-7.24	45
83	MP2A	Z	-12.54	45
84	MP2A	Mx	-.005	45
85	MP2B	X	-7.24	45
86	MP2B	Z	-12.54	45
87	MP2B	Mx	-.005	45
88	MP2C	X	-5.448	45
89	MP2C	Z	-9.437	45
90	MP2C	Mx	.007	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	6
2	MP2A	Z	-12.479	6
3	MP2A	Mx	.008	6
4	MP2A	X	0	66
5	MP2A	Z	-12.479	66
6	MP2A	Mx	.008	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
7	MP2B	X	0	6
8	MP2B	Z	-10.078	6
9	MP2B	Mx	.002	6
10	MP2B	X	0	66
11	MP2B	Z	-10.078	66
12	MP2B	Mx	.002	66
13	MP2C	X	0	6
14	MP2C	Z	-10.078	6
15	MP2C	Mx	-.009	6
16	MP2C	X	0	66
17	MP2C	Z	-10.078	66
18	MP2C	Mx	-.009	66
19	MP2A	X	0	6
20	MP2A	Z	-12.479	6
21	MP2A	Mx	-.008	6
22	MP2A	X	0	66
23	MP2A	Z	-12.479	66
24	MP2A	Mx	-.008	66
25	MP2B	X	0	6
26	MP2B	Z	-10.078	6
27	MP2B	Mx	.009	6
28	MP2B	X	0	66
29	MP2B	Z	-10.078	66
30	MP2B	Mx	.009	66
31	MP2C	X	0	6
32	MP2C	Z	-10.078	6
33	MP2C	Mx	-.002	6
34	MP2C	X	0	66
35	MP2C	Z	-10.078	66
36	MP2C	Mx	-.002	66
37	MP3A	X	0	24
38	MP3A	Z	-4.956	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	-4.956	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	-2.519	24
45	MP3B	Mx	.001	24
46	MP3B	X	0	48
47	MP3B	Z	-2.519	48
48	MP3B	Mx	.001	48
49	MP3C	X	0	24
50	MP3C	Z	-2.519	24
51	MP3C	Mx	-.001	24
52	MP3C	X	0	48
53	MP3C	Z	-2.519	48
54	MP3C	Mx	-.001	48
55	MP1A	X	0	6
56	MP1A	Z	-7.282	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	-7.282	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	-6.145	6
63	MP1B	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
64	MP1B	X	0	66
65	MP1B	Z	-6.145	66
66	MP1B	Mx	.003	66
67	MP1C	X	0	6
68	MP1C	Z	-6.145	6
69	MP1C	Mx	-.003	6
70	MP1C	X	0	66
71	MP1C	Z	-6.145	66
72	MP1C	Mx	-.003	66
73	MP2A	X	0	18
74	MP2A	Z	-4.728	18
75	MP2A	Mx	0	18
76	MP2B	X	0	18
77	MP2B	Z	-3.339	18
78	MP2B	Mx	-.002	18
79	MP2C	X	0	18
80	MP2C	Z	-3.339	18
81	MP2C	Mx	.002	18
82	MP2A	X	0	45
83	MP2A	Z	-4.728	45
84	MP2A	Mx	0	45
85	MP2B	X	0	45
86	MP2B	Z	-3.553	45
87	MP2B	Mx	-.002	45
88	MP2C	X	0	45
89	MP2C	Z	-3.553	45
90	MP2C	Mx	.002	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	5.839	6
2	MP2A	Z	-10.114	6
3	MP2A	Mx	.003	6
4	MP2A	X	5.839	66
5	MP2A	Z	-10.114	66
6	MP2A	Mx	.003	66
7	MP2B	X	4.639	6
8	MP2B	Z	-8.034	6
9	MP2B	Mx	.006	6
10	MP2B	X	4.639	66
11	MP2B	Z	-8.034	66
12	MP2B	Mx	.006	66
13	MP2C	X	5.839	6
14	MP2C	Z	-10.114	6
15	MP2C	Mx	-.011	6
16	MP2C	X	5.839	66
17	MP2C	Z	-10.114	66
18	MP2C	Mx	-.011	66
19	MP2A	X	5.839	6
20	MP2A	Z	-10.114	6
21	MP2A	Mx	-.011	6
22	MP2A	X	5.839	66
23	MP2A	Z	-10.114	66
24	MP2A	Mx	-.011	66
25	MP2B	X	4.639	6
26	MP2B	Z	-8.034	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
27	MP2B	Mx	.006	6
28	MP2B	X	4.639	66
29	MP2B	Z	-8.034	66
30	MP2B	Mx	.006	66
31	MP2C	X	5.839	6
32	MP2C	Z	-10.114	6
33	MP2C	Mx	.003	6
34	MP2C	X	5.839	66
35	MP2C	Z	-10.114	66
36	MP2C	Mx	.003	66
37	MP3A	X	2.072	24
38	MP3A	Z	-3.589	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.072	48
41	MP3A	Z	-3.589	48
42	MP3A	Mx	-.001	48
43	MP3B	X	.853	24
44	MP3B	Z	-1.478	24
45	MP3B	Mx	.000853	24
46	MP3B	X	.853	48
47	MP3B	Z	-1.478	48
48	MP3B	Mx	.000853	48
49	MP3C	X	2.072	24
50	MP3C	Z	-3.589	24
51	MP3C	Mx	-.001	24
52	MP3C	X	2.072	48
53	MP3C	Z	-3.589	48
54	MP3C	Mx	-.001	48
55	MP1A	X	3.452	6
56	MP1A	Z	-5.978	6
57	MP1A	Mx	-.002	6
58	MP1A	X	3.452	66
59	MP1A	Z	-5.978	66
60	MP1A	Mx	-.002	66
61	MP1B	X	2.883	6
62	MP1B	Z	-4.994	6
63	MP1B	Mx	.003	6
64	MP1B	X	2.883	66
65	MP1B	Z	-4.994	66
66	MP1B	Mx	.003	66
67	MP1C	X	3.452	6
68	MP1C	Z	-5.978	6
69	MP1C	Mx	-.002	6
70	MP1C	X	3.452	66
71	MP1C	Z	-5.978	66
72	MP1C	Mx	-.002	66
73	MP2A	X	2.133	18
74	MP2A	Z	-3.694	18
75	MP2A	Mx	.001	18
76	MP2B	X	1.438	18
77	MP2B	Z	-2.491	18
78	MP2B	Mx	-.002	18
79	MP2C	X	2.133	18
80	MP2C	Z	-3.694	18
81	MP2C	Mx	.001	18
82	MP2A	X	2.168	45
83	MP2A	Z	-3.756	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
84	MP2A	Mx	.001	45
85	MP2B	X	1.58	45
86	MP2B	Z	-2.737	45
87	MP2B	Mx	-.002	45
88	MP2C	X	2.168	45
89	MP2C	Z	-3.756	45
90	MP2C	Mx	.001	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	8.728	6
2	MP2A	Z	-5.039	6
3	MP2A	Mx	-.002	6
4	MP2A	X	8.728	66
5	MP2A	Z	-5.039	66
6	MP2A	Mx	-.002	66
7	MP2B	X	8.728	6
8	MP2B	Z	-5.039	6
9	MP2B	Mx	.009	6
10	MP2B	X	8.728	66
11	MP2B	Z	-5.039	66
12	MP2B	Mx	.009	66
13	MP2C	X	10.807	6
14	MP2C	Z	-6.239	6
15	MP2C	Mx	-.008	6
16	MP2C	X	10.807	66
17	MP2C	Z	-6.239	66
18	MP2C	Mx	-.008	66
19	MP2A	X	8.728	6
20	MP2A	Z	-5.039	6
21	MP2A	Mx	-.009	6
22	MP2A	X	8.728	66
23	MP2A	Z	-5.039	66
24	MP2A	Mx	-.009	66
25	MP2B	X	8.728	6
26	MP2B	Z	-5.039	6
27	MP2B	Mx	.002	6
28	MP2B	X	8.728	66
29	MP2B	Z	-5.039	66
30	MP2B	Mx	.002	66
31	MP2C	X	10.807	6
32	MP2C	Z	-6.239	6
33	MP2C	Mx	.008	6
34	MP2C	X	10.807	66
35	MP2C	Z	-6.239	66
36	MP2C	Mx	.008	66
37	MP3A	X	2.182	24
38	MP3A	Z	-1.26	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.182	48
41	MP3A	Z	-1.26	48
42	MP3A	Mx	-.001	48
43	MP3B	X	2.182	24
44	MP3B	Z	-1.26	24
45	MP3B	Mx	.001	24
46	MP3B	X	2.182	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
47	MP3B	Z	-1.26	48
48	MP3B	Mx	.001	48
49	MP3C	X	4.292	24
50	MP3C	Z	-2.478	24
51	MP3C	Mx	0	24
52	MP3C	X	4.292	48
53	MP3C	Z	-2.478	48
54	MP3C	Mx	0	48
55	MP1A	X	5.322	6
56	MP1A	Z	-3.073	6
57	MP1A	Mx	-.003	6
58	MP1A	X	5.322	66
59	MP1A	Z	-3.073	66
60	MP1A	Mx	-.003	66
61	MP1B	X	5.322	6
62	MP1B	Z	-3.073	6
63	MP1B	Mx	.003	6
64	MP1B	X	5.322	66
65	MP1B	Z	-3.073	66
66	MP1B	Mx	.003	66
67	MP1C	X	6.307	6
68	MP1C	Z	-3.641	6
69	MP1C	Mx	0	6
70	MP1C	X	6.307	66
71	MP1C	Z	-3.641	66
72	MP1C	Mx	0	66
73	MP2A	X	2.892	18
74	MP2A	Z	-1.67	18
75	MP2A	Mx	.002	18
76	MP2B	X	2.892	18
77	MP2B	Z	-1.67	18
78	MP2B	Mx	-.002	18
79	MP2C	X	4.095	18
80	MP2C	Z	-2.364	18
81	MP2C	Mx	0	18
82	MP2A	X	3.077	45
83	MP2A	Z	-1.776	45
84	MP2A	Mx	.002	45
85	MP2B	X	3.077	45
86	MP2B	Z	-1.776	45
87	MP2B	Mx	-.002	45
88	MP2C	X	4.095	45
89	MP2C	Z	-2.364	45
90	MP2C	Mx	0	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	9.277	6
2	MP2A	Z	0	6
3	MP2A	Mx	-.006	6
4	MP2A	X	9.277	66
5	MP2A	Z	0	66
6	MP2A	Mx	-.006	66
7	MP2B	X	11.678	6
8	MP2B	Z	0	6
9	MP2B	Mx	.011	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	MP2B	X	11.678	66
11	MP2B	Z	0	66
12	MP2B	Mx	.011	66
13	MP2C	X	11.678	6
14	MP2C	Z	0	6
15	MP2C	Mx	-.003	6
16	MP2C	X	11.678	66
17	MP2C	Z	0	66
18	MP2C	Mx	-.003	66
19	MP2A	X	9.277	6
20	MP2A	Z	0	6
21	MP2A	Mx	-.006	6
22	MP2A	X	9.277	66
23	MP2A	Z	0	66
24	MP2A	Mx	-.006	66
25	MP2B	X	11.678	6
26	MP2B	Z	0	6
27	MP2B	Mx	-.003	6
28	MP2B	X	11.678	66
29	MP2B	Z	0	66
30	MP2B	Mx	-.003	66
31	MP2C	X	11.678	6
32	MP2C	Z	0	6
33	MP2C	Mx	.011	6
34	MP2C	X	11.678	66
35	MP2C	Z	0	66
36	MP2C	Mx	.011	66
37	MP3A	X	1.707	24
38	MP3A	Z	0	24
39	MP3A	Mx	-.000854	24
40	MP3A	X	1.707	48
41	MP3A	Z	0	48
42	MP3A	Mx	-.000854	48
43	MP3B	X	4.144	24
44	MP3B	Z	0	24
45	MP3B	Mx	.001	24
46	MP3B	X	4.144	48
47	MP3B	Z	0	48
48	MP3B	Mx	.001	48
49	MP3C	X	4.144	24
50	MP3C	Z	0	24
51	MP3C	Mx	.001	24
52	MP3C	X	4.144	48
53	MP3C	Z	0	48
54	MP3C	Mx	.001	48
55	MP1A	X	5.766	6
56	MP1A	Z	0	6
57	MP1A	Mx	-.003	6
58	MP1A	X	5.766	66
59	MP1A	Z	0	66
60	MP1A	Mx	-.003	66
61	MP1B	X	6.903	6
62	MP1B	Z	0	6
63	MP1B	Mx	.002	6
64	MP1B	X	6.903	66
65	MP1B	Z	0	66
66	MP1B	Mx	.002	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	MP1C	X	6.903	6
68	MP1C	Z	0	6
69	MP1C	Mx	.002	6
70	MP1C	X	6.903	66
71	MP1C	Z	0	66
72	MP1C	Mx	.002	66
73	MP2A	X	2.876	18
74	MP2A	Z	0	18
75	MP2A	Mx	.002	18
76	MP2B	X	4.265	18
77	MP2B	Z	0	18
78	MP2B	Mx	-.001	18
79	MP2C	X	4.265	18
80	MP2C	Z	0	18
81	MP2C	Mx	-.001	18
82	MP2A	X	3.161	45
83	MP2A	Z	0	45
84	MP2A	Mx	.002	45
85	MP2B	X	4.337	45
86	MP2B	Z	0	45
87	MP2B	Mx	-.001	45
88	MP2C	X	4.337	45
89	MP2C	Z	0	45
90	MP2C	Mx	-.001	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	8.728	6
2	MP2A	Z	5.039	6
3	MP2A	Mx	-.009	6
4	MP2A	X	8.728	66
5	MP2A	Z	5.039	66
6	MP2A	Mx	-.009	66
7	MP2B	X	10.807	6
8	MP2B	Z	6.239	6
9	MP2B	Mx	.008	6
10	MP2B	X	10.807	66
11	MP2B	Z	6.239	66
12	MP2B	Mx	.008	66
13	MP2C	X	8.728	6
14	MP2C	Z	5.039	6
15	MP2C	Mx	.002	6
16	MP2C	X	8.728	66
17	MP2C	Z	5.039	66
18	MP2C	Mx	.002	66
19	MP2A	X	8.728	6
20	MP2A	Z	5.039	6
21	MP2A	Mx	-.002	6
22	MP2A	X	8.728	66
23	MP2A	Z	5.039	66
24	MP2A	Mx	-.002	66
25	MP2B	X	10.807	6
26	MP2B	Z	6.239	6
27	MP2B	Mx	-.008	6
28	MP2B	X	10.807	66
29	MP2B	Z	6.239	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
30	MP2B	Mx	-.008	66
31	MP2C	X	8.728	6
32	MP2C	Z	5.039	6
33	MP2C	Mx	.009	6
34	MP2C	X	8.728	66
35	MP2C	Z	5.039	66
36	MP2C	Mx	.009	66
37	MP3A	X	2.182	24
38	MP3A	Z	1.26	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.182	48
41	MP3A	Z	1.26	48
42	MP3A	Mx	-.001	48
43	MP3B	X	4.292	24
44	MP3B	Z	2.478	24
45	MP3B	Mx	0	24
46	MP3B	X	4.292	48
47	MP3B	Z	2.478	48
48	MP3B	Mx	0	48
49	MP3C	X	2.182	24
50	MP3C	Z	1.26	24
51	MP3C	Mx	.001	24
52	MP3C	X	2.182	48
53	MP3C	Z	1.26	48
54	MP3C	Mx	.001	48
55	MP1A	X	5.322	6
56	MP1A	Z	3.073	6
57	MP1A	Mx	-.003	6
58	MP1A	X	5.322	66
59	MP1A	Z	3.073	66
60	MP1A	Mx	-.003	66
61	MP1B	X	6.307	6
62	MP1B	Z	3.641	6
63	MP1B	Mx	0	6
64	MP1B	X	6.307	66
65	MP1B	Z	3.641	66
66	MP1B	Mx	0	66
67	MP1C	X	5.322	6
68	MP1C	Z	3.073	6
69	MP1C	Mx	.003	6
70	MP1C	X	5.322	66
71	MP1C	Z	3.073	66
72	MP1C	Mx	.003	66
73	MP2A	X	2.892	18
74	MP2A	Z	1.67	18
75	MP2A	Mx	.002	18
76	MP2B	X	4.095	18
77	MP2B	Z	2.364	18
78	MP2B	Mx	0	18
79	MP2C	X	2.892	18
80	MP2C	Z	1.67	18
81	MP2C	Mx	-.002	18
82	MP2A	X	3.077	45
83	MP2A	Z	1.776	45
84	MP2A	Mx	.002	45
85	MP2B	X	4.095	45
86	MP2B	Z	2.364	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
87	MP2B	Mx	0	45
88	MP2C	X	3.077	45
89	MP2C	Z	1.776	45
90	MP2C	Mx	-.002	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	5.839	6
2	MP2A	Z	10.114	6
3	MP2A	Mx	-.011	6
4	MP2A	X	5.839	66
5	MP2A	Z	10.114	66
6	MP2A	Mx	-.011	66
7	MP2B	X	5.839	6
8	MP2B	Z	10.114	6
9	MP2B	Mx	.003	6
10	MP2B	X	5.839	66
11	MP2B	Z	10.114	66
12	MP2B	Mx	.003	66
13	MP2C	X	4.639	6
14	MP2C	Z	8.034	6
15	MP2C	Mx	.006	6
16	MP2C	X	4.639	66
17	MP2C	Z	8.034	66
18	MP2C	Mx	.006	66
19	MP2A	X	5.839	6
20	MP2A	Z	10.114	6
21	MP2A	Mx	.003	6
22	MP2A	X	5.839	66
23	MP2A	Z	10.114	66
24	MP2A	Mx	.003	66
25	MP2B	X	5.839	6
26	MP2B	Z	10.114	6
27	MP2B	Mx	-.011	6
28	MP2B	X	5.839	66
29	MP2B	Z	10.114	66
30	MP2B	Mx	-.011	66
31	MP2C	X	4.639	6
32	MP2C	Z	8.034	6
33	MP2C	Mx	.006	6
34	MP2C	X	4.639	66
35	MP2C	Z	8.034	66
36	MP2C	Mx	.006	66
37	MP3A	X	2.072	24
38	MP3A	Z	3.589	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.072	48
41	MP3A	Z	3.589	48
42	MP3A	Mx	-.001	48
43	MP3B	X	2.072	24
44	MP3B	Z	3.589	24
45	MP3B	Mx	-.001	24
46	MP3B	X	2.072	48
47	MP3B	Z	3.589	48
48	MP3B	Mx	-.001	48
49	MP3C	X	.853	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
50	MP3C	Z	1.478	24
51	MP3C	Mx	.000853	24
52	MP3C	X	.853	48
53	MP3C	Z	1.478	48
54	MP3C	Mx	.000853	48
55	MP1A	X	3.452	6
56	MP1A	Z	5.978	6
57	MP1A	Mx	-.002	6
58	MP1A	X	3.452	66
59	MP1A	Z	5.978	66
60	MP1A	Mx	-.002	66
61	MP1B	X	3.452	6
62	MP1B	Z	5.978	6
63	MP1B	Mx	-.002	6
64	MP1B	X	3.452	66
65	MP1B	Z	5.978	66
66	MP1B	Mx	-.002	66
67	MP1C	X	2.883	6
68	MP1C	Z	4.994	6
69	MP1C	Mx	.003	6
70	MP1C	X	2.883	66
71	MP1C	Z	4.994	66
72	MP1C	Mx	.003	66
73	MP2A	X	2.133	18
74	MP2A	Z	3.694	18
75	MP2A	Mx	.001	18
76	MP2B	X	2.133	18
77	MP2B	Z	3.694	18
78	MP2B	Mx	.001	18
79	MP2C	X	1.438	18
80	MP2C	Z	2.491	18
81	MP2C	Mx	-.002	18
82	MP2A	X	2.168	45
83	MP2A	Z	3.756	45
84	MP2A	Mx	.001	45
85	MP2B	X	2.168	45
86	MP2B	Z	3.756	45
87	MP2B	Mx	.001	45
88	MP2C	X	1.58	45
89	MP2C	Z	2.737	45
90	MP2C	Mx	-.002	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	6
2	MP2A	Z	12.479	6
3	MP2A	Mx	-.008	6
4	MP2A	X	0	66
5	MP2A	Z	12.479	66
6	MP2A	Mx	-.008	66
7	MP2B	X	0	6
8	MP2B	Z	10.078	6
9	MP2B	Mx	-.002	6
10	MP2B	X	0	66
11	MP2B	Z	10.078	66
12	MP2B	Mx	-.002	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP2C	X	0	6
14	MP2C	Z	10.078	6
15	MP2C	Mx	.009	6
16	MP2C	X	0	66
17	MP2C	Z	10.078	66
18	MP2C	Mx	.009	66
19	MP2A	X	0	6
20	MP2A	Z	12.479	6
21	MP2A	Mx	.008	6
22	MP2A	X	0	66
23	MP2A	Z	12.479	66
24	MP2A	Mx	.008	66
25	MP2B	X	0	6
26	MP2B	Z	10.078	6
27	MP2B	Mx	-.009	6
28	MP2B	X	0	66
29	MP2B	Z	10.078	66
30	MP2B	Mx	-.009	66
31	MP2C	X	0	6
32	MP2C	Z	10.078	6
33	MP2C	Mx	.002	6
34	MP2C	X	0	66
35	MP2C	Z	10.078	66
36	MP2C	Mx	.002	66
37	MP3A	X	0	24
38	MP3A	Z	4.956	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	4.956	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	2.519	24
45	MP3B	Mx	-.001	24
46	MP3B	X	0	48
47	MP3B	Z	2.519	48
48	MP3B	Mx	-.001	48
49	MP3C	X	0	24
50	MP3C	Z	2.519	24
51	MP3C	Mx	.001	24
52	MP3C	X	0	48
53	MP3C	Z	2.519	48
54	MP3C	Mx	.001	48
55	MP1A	X	0	6
56	MP1A	Z	7.282	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	7.282	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	6.145	6
63	MP1B	Mx	-.003	6
64	MP1B	X	0	66
65	MP1B	Z	6.145	66
66	MP1B	Mx	-.003	66
67	MP1C	X	0	6
68	MP1C	Z	6.145	6
69	MP1C	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
70	MP1C	X	0	66
71	MP1C	Z	6.145	66
72	MP1C	Mx	.003	66
73	MP2A	X	0	18
74	MP2A	Z	4.728	18
75	MP2A	Mx	0	18
76	MP2B	X	0	18
77	MP2B	Z	3.339	18
78	MP2B	Mx	.002	18
79	MP2C	X	0	18
80	MP2C	Z	3.339	18
81	MP2C	Mx	-.002	18
82	MP2A	X	0	45
83	MP2A	Z	4.728	45
84	MP2A	Mx	0	45
85	MP2B	X	0	45
86	MP2B	Z	3.553	45
87	MP2B	Mx	.002	45
88	MP2C	X	0	45
89	MP2C	Z	3.553	45
90	MP2C	Mx	-.002	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-5.839	6
2	MP2A	Z	10.114	6
3	MP2A	Mx	-.003	6
4	MP2A	X	-5.839	66
5	MP2A	Z	10.114	66
6	MP2A	Mx	-.003	66
7	MP2B	X	-4.639	6
8	MP2B	Z	8.034	6
9	MP2B	Mx	-.006	6
10	MP2B	X	-4.639	66
11	MP2B	Z	8.034	66
12	MP2B	Mx	-.006	66
13	MP2C	X	-5.839	6
14	MP2C	Z	10.114	6
15	MP2C	Mx	.011	6
16	MP2C	X	-5.839	66
17	MP2C	Z	10.114	66
18	MP2C	Mx	.011	66
19	MP2A	X	-5.839	6
20	MP2A	Z	10.114	6
21	MP2A	Mx	.011	6
22	MP2A	X	-5.839	66
23	MP2A	Z	10.114	66
24	MP2A	Mx	.011	66
25	MP2B	X	-4.639	6
26	MP2B	Z	8.034	6
27	MP2B	Mx	-.006	6
28	MP2B	X	-4.639	66
29	MP2B	Z	8.034	66
30	MP2B	Mx	-.006	66
31	MP2C	X	-5.839	6
32	MP2C	Z	10.114	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP2C	Mx	-.003	6
34	MP2C	X	-5.839	66
35	MP2C	Z	10.114	66
36	MP2C	Mx	-.003	66
37	MP3A	X	-2.072	24
38	MP3A	Z	3.589	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.072	48
41	MP3A	Z	3.589	48
42	MP3A	Mx	.001	48
43	MP3B	X	-.853	24
44	MP3B	Z	1.478	24
45	MP3B	Mx	-.000853	24
46	MP3B	X	-.853	48
47	MP3B	Z	1.478	48
48	MP3B	Mx	-.000853	48
49	MP3C	X	-2.072	24
50	MP3C	Z	3.589	24
51	MP3C	Mx	.001	24
52	MP3C	X	-2.072	48
53	MP3C	Z	3.589	48
54	MP3C	Mx	.001	48
55	MP1A	X	-3.452	6
56	MP1A	Z	5.978	6
57	MP1A	Mx	.002	6
58	MP1A	X	-3.452	66
59	MP1A	Z	5.978	66
60	MP1A	Mx	.002	66
61	MP1B	X	-2.883	6
62	MP1B	Z	4.994	6
63	MP1B	Mx	-.003	6
64	MP1B	X	-2.883	66
65	MP1B	Z	4.994	66
66	MP1B	Mx	-.003	66
67	MP1C	X	-3.452	6
68	MP1C	Z	5.978	6
69	MP1C	Mx	.002	6
70	MP1C	X	-3.452	66
71	MP1C	Z	5.978	66
72	MP1C	Mx	.002	66
73	MP2A	X	-2.133	18
74	MP2A	Z	3.694	18
75	MP2A	Mx	-.001	18
76	MP2B	X	-1.438	18
77	MP2B	Z	2.491	18
78	MP2B	Mx	.002	18
79	MP2C	X	-2.133	18
80	MP2C	Z	3.694	18
81	MP2C	Mx	-.001	18
82	MP2A	X	-2.168	45
83	MP2A	Z	3.756	45
84	MP2A	Mx	-.001	45
85	MP2B	X	-1.58	45
86	MP2B	Z	2.737	45
87	MP2B	Mx	.002	45
88	MP2C	X	-2.168	45
89	MP2C	Z	3.756	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
90	MP2C	Mx	-.001	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-8.728	6
2	MP2A	Z	5.039	6
3	MP2A	Mx	.002	6
4	MP2A	X	-8.728	66
5	MP2A	Z	5.039	66
6	MP2A	Mx	.002	66
7	MP2B	X	-8.728	6
8	MP2B	Z	5.039	6
9	MP2B	Mx	-.009	6
10	MP2B	X	-8.728	66
11	MP2B	Z	5.039	66
12	MP2B	Mx	-.009	66
13	MP2C	X	-10.807	6
14	MP2C	Z	6.239	6
15	MP2C	Mx	.008	6
16	MP2C	X	-10.807	66
17	MP2C	Z	6.239	66
18	MP2C	Mx	.008	66
19	MP2A	X	-8.728	6
20	MP2A	Z	5.039	6
21	MP2A	Mx	.009	6
22	MP2A	X	-8.728	66
23	MP2A	Z	5.039	66
24	MP2A	Mx	.009	66
25	MP2B	X	-8.728	6
26	MP2B	Z	5.039	6
27	MP2B	Mx	-.002	6
28	MP2B	X	-8.728	66
29	MP2B	Z	5.039	66
30	MP2B	Mx	-.002	66
31	MP2C	X	-10.807	6
32	MP2C	Z	6.239	6
33	MP2C	Mx	-.008	6
34	MP2C	X	-10.807	66
35	MP2C	Z	6.239	66
36	MP2C	Mx	-.008	66
37	MP3A	X	-2.182	24
38	MP3A	Z	1.26	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.182	48
41	MP3A	Z	1.26	48
42	MP3A	Mx	.001	48
43	MP3B	X	-2.182	24
44	MP3B	Z	1.26	24
45	MP3B	Mx	-.001	24
46	MP3B	X	-2.182	48
47	MP3B	Z	1.26	48
48	MP3B	Mx	-.001	48
49	MP3C	X	-4.292	24
50	MP3C	Z	2.478	24
51	MP3C	Mx	0	24
52	MP3C	X	-4.292	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP3C	Z	2.478	48
54	MP3C	Mx	0	48
55	MP1A	X	-5.322	6
56	MP1A	Z	3.073	6
57	MP1A	Mx	.003	6
58	MP1A	X	-5.322	66
59	MP1A	Z	3.073	66
60	MP1A	Mx	.003	66
61	MP1B	X	-5.322	6
62	MP1B	Z	3.073	6
63	MP1B	Mx	-.003	6
64	MP1B	X	-5.322	66
65	MP1B	Z	3.073	66
66	MP1B	Mx	-.003	66
67	MP1C	X	-6.307	6
68	MP1C	Z	3.641	6
69	MP1C	Mx	0	6
70	MP1C	X	-6.307	66
71	MP1C	Z	3.641	66
72	MP1C	Mx	0	66
73	MP2A	X	-2.892	18
74	MP2A	Z	1.67	18
75	MP2A	Mx	-.002	18
76	MP2B	X	-2.892	18
77	MP2B	Z	1.67	18
78	MP2B	Mx	.002	18
79	MP2C	X	-4.095	18
80	MP2C	Z	2.364	18
81	MP2C	Mx	0	18
82	MP2A	X	-3.077	45
83	MP2A	Z	1.776	45
84	MP2A	Mx	-.002	45
85	MP2B	X	-3.077	45
86	MP2B	Z	1.776	45
87	MP2B	Mx	.002	45
88	MP2C	X	-4.095	45
89	MP2C	Z	2.364	45
90	MP2C	Mx	0	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-9.277	6
2	MP2A	Z	0	6
3	MP2A	Mx	.006	6
4	MP2A	X	-9.277	66
5	MP2A	Z	0	66
6	MP2A	Mx	.006	66
7	MP2B	X	-11.678	6
8	MP2B	Z	0	6
9	MP2B	Mx	-.011	6
10	MP2B	X	-11.678	66
11	MP2B	Z	0	66
12	MP2B	Mx	-.011	66
13	MP2C	X	-11.678	6
14	MP2C	Z	0	6
15	MP2C	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP2C	X	-11.678	66
17	MP2C	Z	0	66
18	MP2C	Mx	.003	66
19	MP2A	X	-9.277	6
20	MP2A	Z	0	6
21	MP2A	Mx	.006	6
22	MP2A	X	-9.277	66
23	MP2A	Z	0	66
24	MP2A	Mx	.006	66
25	MP2B	X	-11.678	6
26	MP2B	Z	0	6
27	MP2B	Mx	.003	6
28	MP2B	X	-11.678	66
29	MP2B	Z	0	66
30	MP2B	Mx	.003	66
31	MP2C	X	-11.678	6
32	MP2C	Z	0	6
33	MP2C	Mx	-.011	6
34	MP2C	X	-11.678	66
35	MP2C	Z	0	66
36	MP2C	Mx	-.011	66
37	MP3A	X	-1.707	24
38	MP3A	Z	0	24
39	MP3A	Mx	.000854	24
40	MP3A	X	-1.707	48
41	MP3A	Z	0	48
42	MP3A	Mx	.000854	48
43	MP3B	X	-4.144	24
44	MP3B	Z	0	24
45	MP3B	Mx	-.001	24
46	MP3B	X	-4.144	48
47	MP3B	Z	0	48
48	MP3B	Mx	-.001	48
49	MP3C	X	-4.144	24
50	MP3C	Z	0	24
51	MP3C	Mx	-.001	24
52	MP3C	X	-4.144	48
53	MP3C	Z	0	48
54	MP3C	Mx	-.001	48
55	MP1A	X	-5.766	6
56	MP1A	Z	0	6
57	MP1A	Mx	.003	6
58	MP1A	X	-5.766	66
59	MP1A	Z	0	66
60	MP1A	Mx	.003	66
61	MP1B	X	-6.903	6
62	MP1B	Z	0	6
63	MP1B	Mx	-.002	6
64	MP1B	X	-6.903	66
65	MP1B	Z	0	66
66	MP1B	Mx	-.002	66
67	MP1C	X	-6.903	6
68	MP1C	Z	0	6
69	MP1C	Mx	-.002	6
70	MP1C	X	-6.903	66
71	MP1C	Z	0	66
72	MP1C	Mx	-.002	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2A	X	-2.876	18
74	MP2A	Z	0	18
75	MP2A	Mx	-.002	18
76	MP2B	X	-4.265	18
77	MP2B	Z	0	18
78	MP2B	Mx	.001	18
79	MP2C	X	-4.265	18
80	MP2C	Z	0	18
81	MP2C	Mx	.001	18
82	MP2A	X	-3.161	45
83	MP2A	Z	0	45
84	MP2A	Mx	-.002	45
85	MP2B	X	-4.337	45
86	MP2B	Z	0	45
87	MP2B	Mx	.001	45
88	MP2C	X	-4.337	45
89	MP2C	Z	0	45
90	MP2C	Mx	.001	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-8.728	6
2	MP2A	Z	-5.039	6
3	MP2A	Mx	.009	6
4	MP2A	X	-8.728	66
5	MP2A	Z	-5.039	66
6	MP2A	Mx	.009	66
7	MP2B	X	-10.807	6
8	MP2B	Z	-6.239	6
9	MP2B	Mx	-.008	6
10	MP2B	X	-10.807	66
11	MP2B	Z	-6.239	66
12	MP2B	Mx	-.008	66
13	MP2C	X	-8.728	6
14	MP2C	Z	-5.039	6
15	MP2C	Mx	-.002	6
16	MP2C	X	-8.728	66
17	MP2C	Z	-5.039	66
18	MP2C	Mx	-.002	66
19	MP2A	X	-8.728	6
20	MP2A	Z	-5.039	6
21	MP2A	Mx	.002	6
22	MP2A	X	-8.728	66
23	MP2A	Z	-5.039	66
24	MP2A	Mx	.002	66
25	MP2B	X	-10.807	6
26	MP2B	Z	-6.239	6
27	MP2B	Mx	.008	6
28	MP2B	X	-10.807	66
29	MP2B	Z	-6.239	66
30	MP2B	Mx	.008	66
31	MP2C	X	-8.728	6
32	MP2C	Z	-5.039	6
33	MP2C	Mx	-.009	6
34	MP2C	X	-8.728	66
35	MP2C	Z	-5.039	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP2C	Mx	-.009	66
37	MP3A	X	-2.182	24
38	MP3A	Z	-1.26	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.182	48
41	MP3A	Z	-1.26	48
42	MP3A	Mx	.001	48
43	MP3B	X	-4.292	24
44	MP3B	Z	-2.478	24
45	MP3B	Mx	0	24
46	MP3B	X	-4.292	48
47	MP3B	Z	-2.478	48
48	MP3B	Mx	0	48
49	MP3C	X	-2.182	24
50	MP3C	Z	-1.26	24
51	MP3C	Mx	-.001	24
52	MP3C	X	-2.182	48
53	MP3C	Z	-1.26	48
54	MP3C	Mx	-.001	48
55	MP1A	X	-5.322	6
56	MP1A	Z	-3.073	6
57	MP1A	Mx	.003	6
58	MP1A	X	-5.322	66
59	MP1A	Z	-3.073	66
60	MP1A	Mx	.003	66
61	MP1B	X	-6.307	6
62	MP1B	Z	-3.641	6
63	MP1B	Mx	0	6
64	MP1B	X	-6.307	66
65	MP1B	Z	-3.641	66
66	MP1B	Mx	0	66
67	MP1C	X	-5.322	6
68	MP1C	Z	-3.073	6
69	MP1C	Mx	-.003	6
70	MP1C	X	-5.322	66
71	MP1C	Z	-3.073	66
72	MP1C	Mx	-.003	66
73	MP2A	X	-2.892	18
74	MP2A	Z	-1.67	18
75	MP2A	Mx	-.002	18
76	MP2B	X	-4.095	18
77	MP2B	Z	-2.364	18
78	MP2B	Mx	0	18
79	MP2C	X	-2.892	18
80	MP2C	Z	-1.67	18
81	MP2C	Mx	.002	18
82	MP2A	X	-3.077	45
83	MP2A	Z	-1.776	45
84	MP2A	Mx	-.002	45
85	MP2B	X	-4.095	45
86	MP2B	Z	-2.364	45
87	MP2B	Mx	0	45
88	MP2C	X	-3.077	45
89	MP2C	Z	-1.776	45
90	MP2C	Mx	.002	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-5.839	6
2	MP2A	Z	-10.114	6
3	MP2A	Mx	.011	6
4	MP2A	X	-5.839	66
5	MP2A	Z	-10.114	66
6	MP2A	Mx	.011	66
7	MP2B	X	-5.839	6
8	MP2B	Z	-10.114	6
9	MP2B	Mx	-.003	6
10	MP2B	X	-5.839	66
11	MP2B	Z	-10.114	66
12	MP2B	Mx	-.003	66
13	MP2C	X	-4.639	6
14	MP2C	Z	-8.034	6
15	MP2C	Mx	-.006	6
16	MP2C	X	-4.639	66
17	MP2C	Z	-8.034	66
18	MP2C	Mx	-.006	66
19	MP2A	X	-5.839	6
20	MP2A	Z	-10.114	6
21	MP2A	Mx	-.003	6
22	MP2A	X	-5.839	66
23	MP2A	Z	-10.114	66
24	MP2A	Mx	-.003	66
25	MP2B	X	-5.839	6
26	MP2B	Z	-10.114	6
27	MP2B	Mx	.011	6
28	MP2B	X	-5.839	66
29	MP2B	Z	-10.114	66
30	MP2B	Mx	.011	66
31	MP2C	X	-4.639	6
32	MP2C	Z	-8.034	6
33	MP2C	Mx	-.006	6
34	MP2C	X	-4.639	66
35	MP2C	Z	-8.034	66
36	MP2C	Mx	-.006	66
37	MP3A	X	-2.072	24
38	MP3A	Z	-3.589	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.072	48
41	MP3A	Z	-3.589	48
42	MP3A	Mx	.001	48
43	MP3B	X	-2.072	24
44	MP3B	Z	-3.589	24
45	MP3B	Mx	.001	24
46	MP3B	X	-2.072	48
47	MP3B	Z	-3.589	48
48	MP3B	Mx	.001	48
49	MP3C	X	-.853	24
50	MP3C	Z	-1.478	24
51	MP3C	Mx	-.000853	24
52	MP3C	X	-.853	48
53	MP3C	Z	-1.478	48
54	MP3C	Mx	-.000853	48
55	MP1A	X	-3.452	6
56	MP1A	Z	-5.978	6
57	MP1A	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-3.452	66
59	MP1A	Z	-5.978	66
60	MP1A	Mx	.002	66
61	MP1B	X	-3.452	6
62	MP1B	Z	-5.978	6
63	MP1B	Mx	.002	6
64	MP1B	X	-3.452	66
65	MP1B	Z	-5.978	66
66	MP1B	Mx	.002	66
67	MP1C	X	-2.883	6
68	MP1C	Z	-4.994	6
69	MP1C	Mx	-.003	6
70	MP1C	X	-2.883	66
71	MP1C	Z	-4.994	66
72	MP1C	Mx	-.003	66
73	MP2A	X	-2.133	18
74	MP2A	Z	-3.694	18
75	MP2A	Mx	-.001	18
76	MP2B	X	-2.133	18
77	MP2B	Z	-3.694	18
78	MP2B	Mx	-.001	18
79	MP2C	X	-1.438	18
80	MP2C	Z	-2.491	18
81	MP2C	Mx	.002	18
82	MP2A	X	-2.168	45
83	MP2A	Z	-3.756	45
84	MP2A	Mx	-.001	45
85	MP2B	X	-2.168	45
86	MP2B	Z	-3.756	45
87	MP2B	Mx	-.001	45
88	MP2C	X	-1.58	45
89	MP2C	Z	-2.737	45
90	MP2C	Mx	.002	45

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	LIVE 2	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

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

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M24	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M24	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-.991	6
2	MP2A	My	-.000661	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP2A	Mz	-.000661	6
4	MP2A	Y	-.991	66
5	MP2A	My	-.000661	66
6	MP2A	Mz	-.000661	66
7	MP2B	Y	-.991	6
8	MP2B	My	.000903	6
9	MP2B	Mz	-.000242	6
10	MP2B	Y	-.991	66
11	MP2B	My	.000903	66
12	MP2B	Mz	-.000242	66
13	MP2C	Y	-.991	6
14	MP2C	My	-.000242	6
15	MP2C	Mz	.000903	6
16	MP2C	Y	-.991	66
17	MP2C	My	-.000242	66
18	MP2C	Mz	.000903	66
19	MP2A	Y	-.991	6
20	MP2A	My	-.000661	6
21	MP2A	Mz	.000661	6
22	MP2A	Y	-.991	66
23	MP2A	My	-.000661	66
24	MP2A	Mz	.000661	66
25	MP2B	Y	-.991	6
26	MP2B	My	-.000242	6
27	MP2B	Mz	-.000903	6
28	MP2B	Y	-.991	66
29	MP2B	My	-.000242	66
30	MP2B	Mz	-.000903	66
31	MP2C	Y	-.991	6
32	MP2C	My	.000903	6
33	MP2C	Mz	.000242	6
34	MP2C	Y	-.991	66
35	MP2C	My	.000903	66
36	MP2C	Mz	.000242	66
37	MP3A	Y	-1.877	24
38	MP3A	My	-.000938	24
39	MP3A	Mz	0	24
40	MP3A	Y	-1.877	48
41	MP3A	My	-.000938	48
42	MP3A	Mz	0	48
43	MP3B	Y	-1.877	24
44	MP3B	My	.000469	24
45	MP3B	Mz	-.000813	24
46	MP3B	Y	-1.877	48
47	MP3B	My	.000469	48
48	MP3B	Mz	-.000813	48
49	MP3C	Y	-1.877	24
50	MP3C	My	.000469	24
51	MP3C	Mz	.000813	24
52	MP3C	Y	-1.877	48
53	MP3C	My	.000469	48
54	MP3C	Mz	.000813	48
55	MP1A	Y	-.388	6
56	MP1A	My	-.000194	6
57	MP1A	Mz	0	6
58	MP1A	Y	-.388	66
59	MP1A	My	-.000194	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
60	MP1A	Mz	0	66
61	MP1B	Y	-.388	6
62	MP1B	My	9.7e-5	6
63	MP1B	Mz	-.000168	6
64	MP1B	Y	-.388	66
65	MP1B	My	9.7e-5	66
66	MP1B	Mz	-.000168	66
67	MP1C	Y	-.388	6
68	MP1C	My	9.7e-5	6
69	MP1C	Mz	.000168	6
70	MP1C	Y	-.388	66
71	MP1C	My	9.7e-5	66
72	MP1C	Mz	.000168	66
73	MP2A	Y	-3.029	18
74	MP2A	My	.002	18
75	MP2A	Mz	0	18
76	MP2B	Y	-3.029	18
77	MP2B	My	-.001	18
78	MP2B	Mz	.002	18
79	MP2C	Y	-3.029	18
80	MP2C	My	-.001	18
81	MP2C	Mz	-.002	18
82	MP2A	Y	-3.219	45
83	MP2A	My	.002	45
84	MP2A	Mz	0	45
85	MP2B	Y	-3.219	45
86	MP2B	My	-.001	45
87	MP2B	Mz	.002	45
88	MP2C	Y	-3.219	45
89	MP2C	My	-.001	45
90	MP2C	Mz	-.002	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Z	-2.478	6
2	MP2A	Mx	.002	6
3	MP2A	Z	-2.478	66
4	MP2A	Mx	.002	66
5	MP2B	Z	-2.478	6
6	MP2B	Mx	.000605	6
7	MP2B	Z	-2.478	66
8	MP2B	Mx	.000605	66
9	MP2C	Z	-2.478	6
10	MP2C	Mx	-.002	6
11	MP2C	Z	-2.478	66
12	MP2C	Mx	-.002	66
13	MP2A	Z	-2.478	6
14	MP2A	Mx	-.002	6
15	MP2A	Z	-2.478	66
16	MP2A	Mx	-.002	66
17	MP2B	Z	-2.478	6
18	MP2B	Mx	.002	6
19	MP2B	Z	-2.478	66
20	MP2B	Mx	.002	66
21	MP2C	Z	-2.478	6
22	MP2C	Mx	-.000605	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
23	MP2C	Z	-2.478	66
24	MP2C	Mx	-.000605	66
25	MP3A	Z	-4.692	24
26	MP3A	Mx	0	24
27	MP3A	Z	-4.692	48
28	MP3A	Mx	0	48
29	MP3B	Z	-4.692	24
30	MP3B	Mx	.002	24
31	MP3B	Z	-4.692	48
32	MP3B	Mx	.002	48
33	MP3C	Z	-4.692	24
34	MP3C	Mx	-.002	24
35	MP3C	Z	-4.692	48
36	MP3C	Mx	-.002	48
37	MP1A	Z	-.97	6
38	MP1A	Mx	0	6
39	MP1A	Z	-.97	66
40	MP1A	Mx	0	66
41	MP1B	Z	-.97	6
42	MP1B	Mx	.00042	6
43	MP1B	Z	-.97	66
44	MP1B	Mx	.00042	66
45	MP1C	Z	-.97	6
46	MP1C	Mx	-.00042	6
47	MP1C	Z	-.97	66
48	MP1C	Mx	-.00042	66
49	MP2A	Z	-7.574	18
50	MP2A	Mx	0	18
51	MP2B	Z	-7.574	18
52	MP2B	Mx	-.004	18
53	MP2C	Z	-7.574	18
54	MP2C	Mx	.004	18
55	MP2A	Z	-8.048	45
56	MP2A	Mx	0	45
57	MP2B	Z	-8.048	45
58	MP2B	Mx	-.005	45
59	MP2C	Z	-8.048	45
60	MP2C	Mx	.005	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.478	6
2	MP2A	Mx	-.002	6
3	MP2A	X	2.478	66
4	MP2A	Mx	-.002	66
5	MP2B	X	2.478	6
6	MP2B	Mx	.002	6
7	MP2B	X	2.478	66
8	MP2B	Mx	.002	66
9	MP2C	X	2.478	6
10	MP2C	Mx	-.000605	6
11	MP2C	X	2.478	66
12	MP2C	Mx	-.000605	66
13	MP2A	X	2.478	6
14	MP2A	Mx	-.002	6
15	MP2A	X	2.478	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP2A	Mx	-.002	66
17	MP2B	X	2.478	6
18	MP2B	Mx	-.000605	6
19	MP2B	X	2.478	66
20	MP2B	Mx	-.000605	66
21	MP2C	X	2.478	6
22	MP2C	Mx	.002	6
23	MP2C	X	2.478	66
24	MP2C	Mx	.002	66
25	MP3A	X	4.692	24
26	MP3A	Mx	-.002	24
27	MP3A	X	4.692	48
28	MP3A	Mx	-.002	48
29	MP3B	X	4.692	24
30	MP3B	Mx	.001	24
31	MP3B	X	4.692	48
32	MP3B	Mx	.001	48
33	MP3C	X	4.692	24
34	MP3C	Mx	.001	24
35	MP3C	X	4.692	48
36	MP3C	Mx	.001	48
37	MP1A	X	.97	6
38	MP1A	Mx	-.000485	6
39	MP1A	X	.97	66
40	MP1A	Mx	-.000485	66
41	MP1B	X	.97	6
42	MP1B	Mx	.000242	6
43	MP1B	X	.97	66
44	MP1B	Mx	.000242	66
45	MP1C	X	.97	6
46	MP1C	Mx	.000242	6
47	MP1C	X	.97	66
48	MP1C	Mx	.000242	66
49	MP2A	X	7.574	18
50	MP2A	Mx	.005	18
51	MP2B	X	7.574	18
52	MP2B	Mx	-.003	18
53	MP2C	X	7.574	18
54	MP2C	Mx	-.003	18
55	MP2A	X	8.048	45
56	MP2A	Mx	.005	45
57	MP2B	X	8.048	45
58	MP2B	Mx	-.003	45
59	MP2C	X	8.048	45
60	MP2C	Mx	-.003	45

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M13	Y	-9.433	-9.433	0	%100
2	M14	Y	-11.312	-11.312	0	%100
3	M23	Y	-4.876	-4.876	0	%100
4	M24	Y	-4.876	-4.876	0	%100
5	MP3A	Y	-4.876	-4.876	0	%100
6	MP1A	Y	-4.876	-4.876	0	%100
7	MP2A	Y	-5.57	-5.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
8	M38	Y	-4.876	-4.876	0	%100
9	M39	Y	-4.876	-4.876	0	%100
10	MP3C	Y	-4.876	-4.876	0	%100
11	MP1C	Y	-4.876	-4.876	0	%100
12	MP2C	Y	-5.57	-5.57	0	%100
13	M53	Y	-4.876	-4.876	0	%100
14	M54	Y	-4.876	-4.876	0	%100
15	MP3B	Y	-4.876	-4.876	0	%100
16	MP1B	Y	-4.876	-4.876	0	%100
17	MP2B	Y	-5.57	-5.57	0	%100
18	M65	Y	-4.876	-4.876	0	%100
19	M65A	Y	-4.876	-4.876	0	%100
20	M44A	Y	-9.433	-9.433	0	%100
21	M45A	Y	-11.312	-11.312	0	%100
22	M47	Y	-4.876	-4.876	0	%100
23	M51	Y	-4.876	-4.876	0	%100
24	M54A	Y	-9.433	-9.433	0	%100
25	M55A	Y	-11.312	-11.312	0	%100
26	M57A	Y	-4.876	-4.876	0	%100
27	M61	Y	-4.876	-4.876	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[in,%]	End Location[in,%]
1	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-27.602	-27.602	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	-9.291	-9.291	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	-9.291	-9.291	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-9.291	-9.291	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-9.291	-9.291	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	-11.247	-11.247	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	-2.323	-2.323	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	-2.323	-2.323	0	%100
19	MP3C	X	0	0	0	%100
20	MP3C	Z	-9.291	-9.291	0	%100
21	MP1C	X	0	0	0	%100
22	MP1C	Z	-9.291	-9.291	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-11.247	-11.247	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	-2.323	-2.323	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-2.323	-2.323	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	-9.291	-9.291	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-9.291	-9.291	0	%100
33	MP2B	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[in,%]	End Location[in,%]
34	MP2B	Z	-11.247	-11.247	0	%100
35	M65	X	0	0	0	%100
36	M65	Z	-9.291	-9.291	0	%100
37	M65A	X	0	0	0	%100
38	M65A	Z	-9.291	-9.291	0	%100
39	M44A	X	0	0	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	-27.602	-27.602	0	%100
43	M47	X	0	0	0	%100
44	M47	Z	-9.291	-9.291	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	-9.291	-9.291	0	%100
47	M54A	X	0	0	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	-27.602	-27.602	0	%100
51	M57A	X	0	0	0	%100
52	M57A	Z	-9.291	-9.291	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	-9.291	-9.291	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[in,%]	End Location[in,%]
1	M13	X	1.391	1.391	0	%100
2	M13	Z	-2.41	-2.41	0	%100
3	M14	X	10.351	10.351	0	%100
4	M14	Z	-17.928	-17.928	0	%100
5	M23	X	3.484	3.484	0	%100
6	M23	Z	-6.035	-6.035	0	%100
7	M24	X	3.484	3.484	0	%100
8	M24	Z	-6.035	-6.035	0	%100
9	MP3A	X	4.646	4.646	0	%100
10	MP3A	Z	-8.046	-8.046	0	%100
11	MP1A	X	4.646	4.646	0	%100
12	MP1A	Z	-8.046	-8.046	0	%100
13	MP2A	X	5.624	5.624	0	%100
14	MP2A	Z	-9.74	-9.74	0	%100
15	M38	X	3.484	3.484	0	%100
16	M38	Z	-6.035	-6.035	0	%100
17	M39	X	3.484	3.484	0	%100
18	M39	Z	-6.035	-6.035	0	%100
19	MP3C	X	4.646	4.646	0	%100
20	MP3C	Z	-8.046	-8.046	0	%100
21	MP1C	X	4.646	4.646	0	%100
22	MP1C	Z	-8.046	-8.046	0	%100
23	MP2C	X	5.624	5.624	0	%100
24	MP2C	Z	-9.74	-9.74	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	4.646	4.646	0	%100
30	MP3B	Z	-8.046	-8.046	0	%100
31	MP1B	X	4.646	4.646	0	%100
32	MP1B	Z	-8.046	-8.046	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[in,%]	End Location[in,%]
33	MP2B	X	5.624	5.624	0	%100
34	MP2B	Z	-9.74	-9.74	0	%100
35	M65	X	4.646	4.646	0	%100
36	M65	Z	-8.046	-8.046	0	%100
37	M65A	X	4.646	4.646	0	%100
38	M65A	Z	-8.046	-8.046	0	%100
39	M44A	X	1.391	1.391	0	%100
40	M44A	Z	-2.41	-2.41	0	%100
41	M45A	X	10.351	10.351	0	%100
42	M45A	Z	-17.928	-17.928	0	%100
43	M47	X	4.646	4.646	0	%100
44	M47	Z	-8.046	-8.046	0	%100
45	M51	X	4.646	4.646	0	%100
46	M51	Z	-8.046	-8.046	0	%100
47	M54A	X	1.391	1.391	0	%100
48	M54A	Z	-2.41	-2.41	0	%100
49	M55A	X	10.351	10.351	0	%100
50	M55A	Z	-17.928	-17.928	0	%100
51	M57A	X	4.646	4.646	0	%100
52	M57A	Z	-8.046	-8.046	0	%100
53	M61	X	4.646	4.646	0	%100
54	M61	Z	-8.046	-8.046	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[in,%]	End Location[in,%]
1	M13	X	7.229	7.229	0	%100
2	M13	Z	-4.174	-4.174	0	%100
3	M14	X	5.976	5.976	0	%100
4	M14	Z	-3.45	-3.45	0	%100
5	M23	X	2.012	2.012	0	%100
6	M23	Z	-1.161	-1.161	0	%100
7	M24	X	2.012	2.012	0	%100
8	M24	Z	-1.161	-1.161	0	%100
9	MP3A	X	8.046	8.046	0	%100
10	MP3A	Z	-4.646	-4.646	0	%100
11	MP1A	X	8.046	8.046	0	%100
12	MP1A	Z	-4.646	-4.646	0	%100
13	MP2A	X	9.74	9.74	0	%100
14	MP2A	Z	-5.624	-5.624	0	%100
15	M38	X	8.046	8.046	0	%100
16	M38	Z	-4.646	-4.646	0	%100
17	M39	X	8.046	8.046	0	%100
18	M39	Z	-4.646	-4.646	0	%100
19	MP3C	X	8.046	8.046	0	%100
20	MP3C	Z	-4.646	-4.646	0	%100
21	MP1C	X	8.046	8.046	0	%100
22	MP1C	Z	-4.646	-4.646	0	%100
23	MP2C	X	9.74	9.74	0	%100
24	MP2C	Z	-5.624	-5.624	0	%100
25	M53	X	2.012	2.012	0	%100
26	M53	Z	-1.161	-1.161	0	%100
27	M54	X	2.012	2.012	0	%100
28	M54	Z	-1.161	-1.161	0	%100
29	MP3B	X	8.046	8.046	0	%100
30	MP3B	Z	-4.646	-4.646	0	%100
31	MP1B	X	8.046	8.046	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[in,%]	End Location[in,%]
32	MP1B	Z	-4.646	-4.646	0	%100
33	MP2B	X	9.74	9.74	0	%100
34	MP2B	Z	-5.624	-5.624	0	%100
35	M65	X	8.046	8.046	0	%100
36	M65	Z	-4.646	-4.646	0	%100
37	M65A	X	8.046	8.046	0	%100
38	M65A	Z	-4.646	-4.646	0	%100
39	M44A	X	7.229	7.229	0	%100
40	M44A	Z	-4.174	-4.174	0	%100
41	M45A	X	5.976	5.976	0	%100
42	M45A	Z	-3.45	-3.45	0	%100
43	M47	X	8.046	8.046	0	%100
44	M47	Z	-4.646	-4.646	0	%100
45	M51	X	8.046	8.046	0	%100
46	M51	Z	-4.646	-4.646	0	%100
47	M54A	X	7.229	7.229	0	%100
48	M54A	Z	-4.174	-4.174	0	%100
49	M55A	X	5.976	5.976	0	%100
50	M55A	Z	-3.45	-3.45	0	%100
51	M57A	X	8.046	8.046	0	%100
52	M57A	Z	-4.646	-4.646	0	%100
53	M61	X	8.046	8.046	0	%100
54	M61	Z	-4.646	-4.646	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[in,%]	End Location[in,%]
1	M13	X	11.129	11.129	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	0	0	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	0	0	0	%100
9	MP3A	X	9.291	9.291	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	9.291	9.291	0	%100
12	MP1A	Z	0	0	0	%100
13	MP2A	X	11.247	11.247	0	%100
14	MP2A	Z	0	0	0	%100
15	M38	X	6.968	6.968	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	6.968	6.968	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	9.291	9.291	0	%100
20	MP3C	Z	0	0	0	%100
21	MP1C	X	9.291	9.291	0	%100
22	MP1C	Z	0	0	0	%100
23	MP2C	X	11.247	11.247	0	%100
24	MP2C	Z	0	0	0	%100
25	M53	X	6.968	6.968	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	6.968	6.968	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	9.291	9.291	0	%100
30	MP3B	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[in,%]	End Location[in,%]
31	MP1B	X	9.291	9.291	0	%100
32	MP1B	Z	0	0	0	%100
33	MP2B	X	11.247	11.247	0	%100
34	MP2B	Z	0	0	0	%100
35	M65	X	9.291	9.291	0	%100
36	M65	Z	0	0	0	%100
37	M65A	X	9.291	9.291	0	%100
38	M65A	Z	0	0	0	%100
39	M44A	X	11.129	11.129	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	0	0	0	%100
43	M47	X	9.291	9.291	0	%100
44	M47	Z	0	0	0	%100
45	M51	X	9.291	9.291	0	%100
46	M51	Z	0	0	0	%100
47	M54A	X	11.129	11.129	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	0	0	0	%100
51	M57A	X	9.291	9.291	0	%100
52	M57A	Z	0	0	0	%100
53	M61	X	9.291	9.291	0	%100
54	M61	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[in,%]	End Location[in,%]
1	M13	X	7.229	7.229	0	%100
2	M13	Z	4.174	4.174	0	%100
3	M14	X	5.976	5.976	0	%100
4	M14	Z	3.45	3.45	0	%100
5	M23	X	2.012	2.012	0	%100
6	M23	Z	1.161	1.161	0	%100
7	M24	X	2.012	2.012	0	%100
8	M24	Z	1.161	1.161	0	%100
9	MP3A	X	8.046	8.046	0	%100
10	MP3A	Z	4.646	4.646	0	%100
11	MP1A	X	8.046	8.046	0	%100
12	MP1A	Z	4.646	4.646	0	%100
13	MP2A	X	9.74	9.74	0	%100
14	MP2A	Z	5.624	5.624	0	%100
15	M38	X	2.012	2.012	0	%100
16	M38	Z	1.161	1.161	0	%100
17	M39	X	2.012	2.012	0	%100
18	M39	Z	1.161	1.161	0	%100
19	MP3C	X	8.046	8.046	0	%100
20	MP3C	Z	4.646	4.646	0	%100
21	MP1C	X	8.046	8.046	0	%100
22	MP1C	Z	4.646	4.646	0	%100
23	MP2C	X	9.74	9.74	0	%100
24	MP2C	Z	5.624	5.624	0	%100
25	M53	X	8.046	8.046	0	%100
26	M53	Z	4.646	4.646	0	%100
27	M54	X	8.046	8.046	0	%100
28	M54	Z	4.646	4.646	0	%100
29	MP3B	X	8.046	8.046	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[in,%]	End Location[in,%]
30	MP3B	Z	4.646	4.646	0	%100
31	MP1B	X	8.046	8.046	0	%100
32	MP1B	Z	4.646	4.646	0	%100
33	MP2B	X	9.74	9.74	0	%100
34	MP2B	Z	5.624	5.624	0	%100
35	M65	X	8.046	8.046	0	%100
36	M65	Z	4.646	4.646	0	%100
37	M65A	X	8.046	8.046	0	%100
38	M65A	Z	4.646	4.646	0	%100
39	M44A	X	7.229	7.229	0	%100
40	M44A	Z	4.174	4.174	0	%100
41	M45A	X	5.976	5.976	0	%100
42	M45A	Z	3.45	3.45	0	%100
43	M47	X	8.046	8.046	0	%100
44	M47	Z	4.646	4.646	0	%100
45	M51	X	8.046	8.046	0	%100
46	M51	Z	4.646	4.646	0	%100
47	M54A	X	7.229	7.229	0	%100
48	M54A	Z	4.174	4.174	0	%100
49	M55A	X	5.976	5.976	0	%100
50	M55A	Z	3.45	3.45	0	%100
51	M57A	X	8.046	8.046	0	%100
52	M57A	Z	4.646	4.646	0	%100
53	M61	X	8.046	8.046	0	%100
54	M61	Z	4.646	4.646	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[in,%]	End Location[in,%]
1	M13	X	1.391	1.391	0	%100
2	M13	Z	2.41	2.41	0	%100
3	M14	X	10.351	10.351	0	%100
4	M14	Z	17.928	17.928	0	%100
5	M23	X	3.484	3.484	0	%100
6	M23	Z	6.035	6.035	0	%100
7	M24	X	3.484	3.484	0	%100
8	M24	Z	6.035	6.035	0	%100
9	MP3A	X	4.646	4.646	0	%100
10	MP3A	Z	8.046	8.046	0	%100
11	MP1A	X	4.646	4.646	0	%100
12	MP1A	Z	8.046	8.046	0	%100
13	MP2A	X	5.624	5.624	0	%100
14	MP2A	Z	9.74	9.74	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	4.646	4.646	0	%100
20	MP3C	Z	8.046	8.046	0	%100
21	MP1C	X	4.646	4.646	0	%100
22	MP1C	Z	8.046	8.046	0	%100
23	MP2C	X	5.624	5.624	0	%100
24	MP2C	Z	9.74	9.74	0	%100
25	M53	X	3.484	3.484	0	%100
26	M53	Z	6.035	6.035	0	%100
27	M54	X	3.484	3.484	0	%100
28	M54	Z	6.035	6.035	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[in,%]	End Location[in,%]
29	MP3B	X	4.646	4.646	0	%100
30	MP3B	Z	8.046	8.046	0	%100
31	MP1B	X	4.646	4.646	0	%100
32	MP1B	Z	8.046	8.046	0	%100
33	MP2B	X	5.624	5.624	0	%100
34	MP2B	Z	9.74	9.74	0	%100
35	M65	X	4.646	4.646	0	%100
36	M65	Z	8.046	8.046	0	%100
37	M65A	X	4.646	4.646	0	%100
38	M65A	Z	8.046	8.046	0	%100
39	M44A	X	1.391	1.391	0	%100
40	M44A	Z	2.41	2.41	0	%100
41	M45A	X	10.351	10.351	0	%100
42	M45A	Z	17.928	17.928	0	%100
43	M47	X	4.646	4.646	0	%100
44	M47	Z	8.046	8.046	0	%100
45	M51	X	4.646	4.646	0	%100
46	M51	Z	8.046	8.046	0	%100
47	M54A	X	1.391	1.391	0	%100
48	M54A	Z	2.41	2.41	0	%100
49	M55A	X	10.351	10.351	0	%100
50	M55A	Z	17.928	17.928	0	%100
51	M57A	X	4.646	4.646	0	%100
52	M57A	Z	8.046	8.046	0	%100
53	M61	X	4.646	4.646	0	%100
54	M61	Z	8.046	8.046	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[in,%]	End Location[in,%]
1	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	27.602	27.602	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	9.291	9.291	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	9.291	9.291	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	9.291	9.291	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	9.291	9.291	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	11.247	11.247	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	2.323	2.323	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	2.323	2.323	0	%100
19	MP3C	X	0	0	0	%100
20	MP3C	Z	9.291	9.291	0	%100
21	MP1C	X	0	0	0	%100
22	MP1C	Z	9.291	9.291	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	11.247	11.247	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	2.323	2.323	0	%100
27	M54	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[in,%]	End Location[in,%]
28	M54	Z	2.323	2.323	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	9.291	9.291	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	9.291	9.291	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	11.247	11.247	0	%100
35	M65	X	0	0	0	%100
36	M65	Z	9.291	9.291	0	%100
37	M65A	X	0	0	0	%100
38	M65A	Z	9.291	9.291	0	%100
39	M44A	X	0	0	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	27.602	27.602	0	%100
43	M47	X	0	0	0	%100
44	M47	Z	9.291	9.291	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	9.291	9.291	0	%100
47	M54A	X	0	0	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	27.602	27.602	0	%100
51	M57A	X	0	0	0	%100
52	M57A	Z	9.291	9.291	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	9.291	9.291	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[in,%]	End Location[in,%]
1	M13	X	-1.391	-1.391	0	%100
2	M13	Z	2.41	2.41	0	%100
3	M14	X	-10.351	-10.351	0	%100
4	M14	Z	17.928	17.928	0	%100
5	M23	X	-3.484	-3.484	0	%100
6	M23	Z	6.035	6.035	0	%100
7	M24	X	-3.484	-3.484	0	%100
8	M24	Z	6.035	6.035	0	%100
9	MP3A	X	-4.646	-4.646	0	%100
10	MP3A	Z	8.046	8.046	0	%100
11	MP1A	X	-4.646	-4.646	0	%100
12	MP1A	Z	8.046	8.046	0	%100
13	MP2A	X	-5.624	-5.624	0	%100
14	MP2A	Z	9.74	9.74	0	%100
15	M38	X	-3.484	-3.484	0	%100
16	M38	Z	6.035	6.035	0	%100
17	M39	X	-3.484	-3.484	0	%100
18	M39	Z	6.035	6.035	0	%100
19	MP3C	X	-4.646	-4.646	0	%100
20	MP3C	Z	8.046	8.046	0	%100
21	MP1C	X	-4.646	-4.646	0	%100
22	MP1C	Z	8.046	8.046	0	%100
23	MP2C	X	-5.624	-5.624	0	%100
24	MP2C	Z	9.74	9.74	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	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[in,%]	End Location[in,%]
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	-4.646	-4.646	0	%100
30	MP3B	Z	8.046	8.046	0	%100
31	MP1B	X	-4.646	-4.646	0	%100
32	MP1B	Z	8.046	8.046	0	%100
33	MP2B	X	-5.624	-5.624	0	%100
34	MP2B	Z	9.74	9.74	0	%100
35	M65	X	-4.646	-4.646	0	%100
36	M65	Z	8.046	8.046	0	%100
37	M65A	X	-4.646	-4.646	0	%100
38	M65A	Z	8.046	8.046	0	%100
39	M44A	X	-1.391	-1.391	0	%100
40	M44A	Z	2.41	2.41	0	%100
41	M45A	X	-10.351	-10.351	0	%100
42	M45A	Z	17.928	17.928	0	%100
43	M47	X	-4.646	-4.646	0	%100
44	M47	Z	8.046	8.046	0	%100
45	M51	X	-4.646	-4.646	0	%100
46	M51	Z	8.046	8.046	0	%100
47	M54A	X	-1.391	-1.391	0	%100
48	M54A	Z	2.41	2.41	0	%100
49	M55A	X	-10.351	-10.351	0	%100
50	M55A	Z	17.928	17.928	0	%100
51	M57A	X	-4.646	-4.646	0	%100
52	M57A	Z	8.046	8.046	0	%100
53	M61	X	-4.646	-4.646	0	%100
54	M61	Z	8.046	8.046	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[in,%]	End Location[in,%]
1	M13	X	-7.229	-7.229	0	%100
2	M13	Z	4.174	4.174	0	%100
3	M14	X	-5.976	-5.976	0	%100
4	M14	Z	3.45	3.45	0	%100
5	M23	X	-2.012	-2.012	0	%100
6	M23	Z	1.161	1.161	0	%100
7	M24	X	-2.012	-2.012	0	%100
8	M24	Z	1.161	1.161	0	%100
9	MP3A	X	-8.046	-8.046	0	%100
10	MP3A	Z	4.646	4.646	0	%100
11	MP1A	X	-8.046	-8.046	0	%100
12	MP1A	Z	4.646	4.646	0	%100
13	MP2A	X	-9.74	-9.74	0	%100
14	MP2A	Z	5.624	5.624	0	%100
15	M38	X	-8.046	-8.046	0	%100
16	M38	Z	4.646	4.646	0	%100
17	M39	X	-8.046	-8.046	0	%100
18	M39	Z	4.646	4.646	0	%100
19	MP3C	X	-8.046	-8.046	0	%100
20	MP3C	Z	4.646	4.646	0	%100
21	MP1C	X	-8.046	-8.046	0	%100
22	MP1C	Z	4.646	4.646	0	%100
23	MP2C	X	-9.74	-9.74	0	%100
24	MP2C	Z	5.624	5.624	0	%100
25	M53	X	-2.012	-2.012	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[in,%]	End Location[in,%]
26	M53	Z	1.161	1.161	0	%100
27	M54	X	-2.012	-2.012	0	%100
28	M54	Z	1.161	1.161	0	%100
29	MP3B	X	-8.046	-8.046	0	%100
30	MP3B	Z	4.646	4.646	0	%100
31	MP1B	X	-8.046	-8.046	0	%100
32	MP1B	Z	4.646	4.646	0	%100
33	MP2B	X	-9.74	-9.74	0	%100
34	MP2B	Z	5.624	5.624	0	%100
35	M65	X	-8.046	-8.046	0	%100
36	M65	Z	4.646	4.646	0	%100
37	M65A	X	-8.046	-8.046	0	%100
38	M65A	Z	4.646	4.646	0	%100
39	M44A	X	-7.229	-7.229	0	%100
40	M44A	Z	4.174	4.174	0	%100
41	M45A	X	-5.976	-5.976	0	%100
42	M45A	Z	3.45	3.45	0	%100
43	M47	X	-8.046	-8.046	0	%100
44	M47	Z	4.646	4.646	0	%100
45	M51	X	-8.046	-8.046	0	%100
46	M51	Z	4.646	4.646	0	%100
47	M54A	X	-7.229	-7.229	0	%100
48	M54A	Z	4.174	4.174	0	%100
49	M55A	X	-5.976	-5.976	0	%100
50	M55A	Z	3.45	3.45	0	%100
51	M57A	X	-8.046	-8.046	0	%100
52	M57A	Z	4.646	4.646	0	%100
53	M61	X	-8.046	-8.046	0	%100
54	M61	Z	4.646	4.646	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[in,%]	End Location[in,%]
1	M13	X	-11.129	-11.129	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	0	0	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	0	0	0	%100
9	MP3A	X	-9.291	-9.291	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-9.291	-9.291	0	%100
12	MP1A	Z	0	0	0	%100
13	MP2A	X	-11.247	-11.247	0	%100
14	MP2A	Z	0	0	0	%100
15	M38	X	-6.968	-6.968	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	-6.968	-6.968	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	-9.291	-9.291	0	%100
20	MP3C	Z	0	0	0	%100
21	MP1C	X	-9.291	-9.291	0	%100
22	MP1C	Z	0	0	0	%100
23	MP2C	X	-11.247	-11.247	0	%100
24	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[in,%]	End Location[in,%]
25	M53	X	-6.968	-6.968	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	-6.968	-6.968	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	-9.291	-9.291	0	%100
30	MP3B	Z	0	0	0	%100
31	MP1B	X	-9.291	-9.291	0	%100
32	MP1B	Z	0	0	0	%100
33	MP2B	X	-11.247	-11.247	0	%100
34	MP2B	Z	0	0	0	%100
35	M65	X	-9.291	-9.291	0	%100
36	M65	Z	0	0	0	%100
37	M65A	X	-9.291	-9.291	0	%100
38	M65A	Z	0	0	0	%100
39	M44A	X	-11.129	-11.129	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	0	0	0	%100
43	M47	X	-9.291	-9.291	0	%100
44	M47	Z	0	0	0	%100
45	M51	X	-9.291	-9.291	0	%100
46	M51	Z	0	0	0	%100
47	M54A	X	-11.129	-11.129	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	0	0	0	%100
51	M57A	X	-9.291	-9.291	0	%100
52	M57A	Z	0	0	0	%100
53	M61	X	-9.291	-9.291	0	%100
54	M61	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[in,%]	End Location[in,%]
1	M13	X	-7.229	-7.229	0	%100
2	M13	Z	-4.174	-4.174	0	%100
3	M14	X	-5.976	-5.976	0	%100
4	M14	Z	-3.45	-3.45	0	%100
5	M23	X	-2.012	-2.012	0	%100
6	M23	Z	-1.161	-1.161	0	%100
7	M24	X	-2.012	-2.012	0	%100
8	M24	Z	-1.161	-1.161	0	%100
9	MP3A	X	-8.046	-8.046	0	%100
10	MP3A	Z	-4.646	-4.646	0	%100
11	MP1A	X	-8.046	-8.046	0	%100
12	MP1A	Z	-4.646	-4.646	0	%100
13	MP2A	X	-9.74	-9.74	0	%100
14	MP2A	Z	-5.624	-5.624	0	%100
15	M38	X	-2.012	-2.012	0	%100
16	M38	Z	-1.161	-1.161	0	%100
17	M39	X	-2.012	-2.012	0	%100
18	M39	Z	-1.161	-1.161	0	%100
19	MP3C	X	-8.046	-8.046	0	%100
20	MP3C	Z	-4.646	-4.646	0	%100
21	MP1C	X	-8.046	-8.046	0	%100
22	MP1C	Z	-4.646	-4.646	0	%100
23	MP2C	X	-9.74	-9.74	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[in,%]	End Location[in,%]
24	MP2C	Z	-5.624	-5.624	0	%100
25	M53	X	-8.046	-8.046	0	%100
26	M53	Z	-4.646	-4.646	0	%100
27	M54	X	-8.046	-8.046	0	%100
28	M54	Z	-4.646	-4.646	0	%100
29	MP3B	X	-8.046	-8.046	0	%100
30	MP3B	Z	-4.646	-4.646	0	%100
31	MP1B	X	-8.046	-8.046	0	%100
32	MP1B	Z	-4.646	-4.646	0	%100
33	MP2B	X	-9.74	-9.74	0	%100
34	MP2B	Z	-5.624	-5.624	0	%100
35	M65	X	-8.046	-8.046	0	%100
36	M65	Z	-4.646	-4.646	0	%100
37	M65A	X	-8.046	-8.046	0	%100
38	M65A	Z	-4.646	-4.646	0	%100
39	M44A	X	-7.229	-7.229	0	%100
40	M44A	Z	-4.174	-4.174	0	%100
41	M45A	X	-5.976	-5.976	0	%100
42	M45A	Z	-3.45	-3.45	0	%100
43	M47	X	-8.046	-8.046	0	%100
44	M47	Z	-4.646	-4.646	0	%100
45	M51	X	-8.046	-8.046	0	%100
46	M51	Z	-4.646	-4.646	0	%100
47	M54A	X	-7.229	-7.229	0	%100
48	M54A	Z	-4.174	-4.174	0	%100
49	M55A	X	-5.976	-5.976	0	%100
50	M55A	Z	-3.45	-3.45	0	%100
51	M57A	X	-8.046	-8.046	0	%100
52	M57A	Z	-4.646	-4.646	0	%100
53	M61	X	-8.046	-8.046	0	%100
54	M61	Z	-4.646	-4.646	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[in,%]	End Location[in,%]
1	M13	X	-1.391	-1.391	0	%100
2	M13	Z	-2.41	-2.41	0	%100
3	M14	X	-10.351	-10.351	0	%100
4	M14	Z	-17.928	-17.928	0	%100
5	M23	X	-3.484	-3.484	0	%100
6	M23	Z	-6.035	-6.035	0	%100
7	M24	X	-3.484	-3.484	0	%100
8	M24	Z	-6.035	-6.035	0	%100
9	MP3A	X	-4.646	-4.646	0	%100
10	MP3A	Z	-8.046	-8.046	0	%100
11	MP1A	X	-4.646	-4.646	0	%100
12	MP1A	Z	-8.046	-8.046	0	%100
13	MP2A	X	-5.624	-5.624	0	%100
14	MP2A	Z	-9.74	-9.74	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	-4.646	-4.646	0	%100
20	MP3C	Z	-8.046	-8.046	0	%100
21	MP1C	X	-4.646	-4.646	0	%100
22	MP1C	Z	-8.046	-8.046	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[in,%]	End Location[in,%]
23	MP2C	X	-5.624	-5.624	0	%100
24	MP2C	Z	-9.74	-9.74	0	%100
25	M53	X	-3.484	-3.484	0	%100
26	M53	Z	-6.035	-6.035	0	%100
27	M54	X	-3.484	-3.484	0	%100
28	M54	Z	-6.035	-6.035	0	%100
29	MP3B	X	-4.646	-4.646	0	%100
30	MP3B	Z	-8.046	-8.046	0	%100
31	MP1B	X	-4.646	-4.646	0	%100
32	MP1B	Z	-8.046	-8.046	0	%100
33	MP2B	X	-5.624	-5.624	0	%100
34	MP2B	Z	-9.74	-9.74	0	%100
35	M65	X	-4.646	-4.646	0	%100
36	M65	Z	-8.046	-8.046	0	%100
37	M65A	X	-4.646	-4.646	0	%100
38	M65A	Z	-8.046	-8.046	0	%100
39	M44A	X	-1.391	-1.391	0	%100
40	M44A	Z	-2.41	-2.41	0	%100
41	M45A	X	-10.351	-10.351	0	%100
42	M45A	Z	-17.928	-17.928	0	%100
43	M47	X	-4.646	-4.646	0	%100
44	M47	Z	-8.046	-8.046	0	%100
45	M51	X	-4.646	-4.646	0	%100
46	M51	Z	-8.046	-8.046	0	%100
47	M54A	X	-1.391	-1.391	0	%100
48	M54A	Z	-2.41	-2.41	0	%100
49	M55A	X	-10.351	-10.351	0	%100
50	M55A	Z	-17.928	-17.928	0	%100
51	M57A	X	-4.646	-4.646	0	%100
52	M57A	Z	-8.046	-8.046	0	%100
53	M61	X	-4.646	-4.646	0	%100
54	M61	Z	-8.046	-8.046	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[in,%]	End Location[in,%]
1	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-6.06	-6.06	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	-3.265	-3.265	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	-3.265	-3.265	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-3.265	-3.265	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-3.265	-3.265	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	-3.616	-3.616	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	-.816	-.816	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	-.816	-.816	0	%100
19	MP3C	X	0	0	0	%100
20	MP3C	Z	-3.265	-3.265	0	%100
21	MP1C	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[in,%]	End Location[in,%]
22	MP1C	Z	-3.265	-3.265	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-3.616	-3.616	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	-.816	-.816	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-.816	-.816	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	-3.265	-3.265	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-3.265	-3.265	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-3.616	-3.616	0	%100
35	M65	X	0	0	0	%100
36	M65	Z	-3.265	-3.265	0	%100
37	M65A	X	0	0	0	%100
38	M65A	Z	-3.265	-3.265	0	%100
39	M44A	X	0	0	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	-6.06	-6.06	0	%100
43	M47	X	0	0	0	%100
44	M47	Z	-3.265	-3.265	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	-3.265	-3.265	0	%100
47	M54A	X	0	0	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	-6.06	-6.06	0	%100
51	M57A	X	0	0	0	%100
52	M57A	Z	-3.265	-3.265	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	-3.265	-3.265	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[in,%]	End Location[in,%]
1	M13	X	.375	.375	0	%100
2	M13	Z	-.65	-.65	0	%100
3	M14	X	2.273	2.273	0	%100
4	M14	Z	-3.936	-3.936	0	%100
5	M23	X	1.224	1.224	0	%100
6	M23	Z	-2.121	-2.121	0	%100
7	M24	X	1.224	1.224	0	%100
8	M24	Z	-2.121	-2.121	0	%100
9	MP3A	X	1.632	1.632	0	%100
10	MP3A	Z	-2.827	-2.827	0	%100
11	MP1A	X	1.632	1.632	0	%100
12	MP1A	Z	-2.827	-2.827	0	%100
13	MP2A	X	1.808	1.808	0	%100
14	MP2A	Z	-3.132	-3.132	0	%100
15	M38	X	1.224	1.224	0	%100
16	M38	Z	-2.121	-2.121	0	%100
17	M39	X	1.224	1.224	0	%100
18	M39	Z	-2.121	-2.121	0	%100
19	MP3C	X	1.632	1.632	0	%100
20	MP3C	Z	-2.827	-2.827	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[in,%]	End Location[in,%]
21	MP1C	X	1.632	1.632	0	%100
22	MP1C	Z	-2.827	-2.827	0	%100
23	MP2C	X	1.808	1.808	0	%100
24	MP2C	Z	-3.132	-3.132	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	1.632	1.632	0	%100
30	MP3B	Z	-2.827	-2.827	0	%100
31	MP1B	X	1.632	1.632	0	%100
32	MP1B	Z	-2.827	-2.827	0	%100
33	MP2B	X	1.808	1.808	0	%100
34	MP2B	Z	-3.132	-3.132	0	%100
35	M65	X	1.632	1.632	0	%100
36	M65	Z	-2.827	-2.827	0	%100
37	M65A	X	1.632	1.632	0	%100
38	M65A	Z	-2.827	-2.827	0	%100
39	M44A	X	.375	.375	0	%100
40	M44A	Z	-.65	-.65	0	%100
41	M45A	X	2.273	2.273	0	%100
42	M45A	Z	-3.936	-3.936	0	%100
43	M47	X	1.632	1.632	0	%100
44	M47	Z	-2.827	-2.827	0	%100
45	M51	X	1.632	1.632	0	%100
46	M51	Z	-2.827	-2.827	0	%100
47	M54A	X	.375	.375	0	%100
48	M54A	Z	-.65	-.65	0	%100
49	M55A	X	2.273	2.273	0	%100
50	M55A	Z	-3.936	-3.936	0	%100
51	M57A	X	1.632	1.632	0	%100
52	M57A	Z	-2.827	-2.827	0	%100
53	M61	X	1.632	1.632	0	%100
54	M61	Z	-2.827	-2.827	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[in,%]	End Location[in,%]
1	M13	X	1.95	1.95	0	%100
2	M13	Z	-1.126	-1.126	0	%100
3	M14	X	1.312	1.312	0	%100
4	M14	Z	-.758	-.758	0	%100
5	M23	X	.707	.707	0	%100
6	M23	Z	-.408	-.408	0	%100
7	M24	X	.707	.707	0	%100
8	M24	Z	-.408	-.408	0	%100
9	MP3A	X	2.827	2.827	0	%100
10	MP3A	Z	-1.632	-1.632	0	%100
11	MP1A	X	2.827	2.827	0	%100
12	MP1A	Z	-1.632	-1.632	0	%100
13	MP2A	X	3.132	3.132	0	%100
14	MP2A	Z	-1.808	-1.808	0	%100
15	M38	X	2.827	2.827	0	%100
16	M38	Z	-1.632	-1.632	0	%100
17	M39	X	2.827	2.827	0	%100
18	M39	Z	-1.632	-1.632	0	%100
19	MP3C	X	2.827	2.827	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[in,%]	End Location[in,%]
20	MP3C	Z	-1.632	-1.632	0	%100
21	MP1C	X	2.827	2.827	0	%100
22	MP1C	Z	-1.632	-1.632	0	%100
23	MP2C	X	3.132	3.132	0	%100
24	MP2C	Z	-1.808	-1.808	0	%100
25	M53	X	.707	.707	0	%100
26	M53	Z	-.408	-.408	0	%100
27	M54	X	.707	.707	0	%100
28	M54	Z	-.408	-.408	0	%100
29	MP3B	X	2.827	2.827	0	%100
30	MP3B	Z	-1.632	-1.632	0	%100
31	MP1B	X	2.827	2.827	0	%100
32	MP1B	Z	-1.632	-1.632	0	%100
33	MP2B	X	3.132	3.132	0	%100
34	MP2B	Z	-1.808	-1.808	0	%100
35	M65	X	2.827	2.827	0	%100
36	M65	Z	-1.632	-1.632	0	%100
37	M65A	X	2.827	2.827	0	%100
38	M65A	Z	-1.632	-1.632	0	%100
39	M44A	X	1.95	1.95	0	%100
40	M44A	Z	-1.126	-1.126	0	%100
41	M45A	X	1.312	1.312	0	%100
42	M45A	Z	-.758	-.758	0	%100
43	M47	X	2.827	2.827	0	%100
44	M47	Z	-1.632	-1.632	0	%100
45	M51	X	2.827	2.827	0	%100
46	M51	Z	-1.632	-1.632	0	%100
47	M54A	X	1.95	1.95	0	%100
48	M54A	Z	-1.126	-1.126	0	%100
49	M55A	X	1.312	1.312	0	%100
50	M55A	Z	-.758	-.758	0	%100
51	M57A	X	2.827	2.827	0	%100
52	M57A	Z	-1.632	-1.632	0	%100
53	M61	X	2.827	2.827	0	%100
54	M61	Z	-1.632	-1.632	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[in,%]	End Location[in,%]
1	M13	X	3.002	3.002	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	0	0	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	0	0	0	%100
9	MP3A	X	3.265	3.265	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	3.265	3.265	0	%100
12	MP1A	Z	0	0	0	%100
13	MP2A	X	3.616	3.616	0	%100
14	MP2A	Z	0	0	0	%100
15	M38	X	2.449	2.449	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	2.449	2.449	0	%100
18	M39	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[in,%]	End Location[in,%]
19	MP3C	X	3.265	3.265	0	%100
20	MP3C	Z	0	0	0	%100
21	MP1C	X	3.265	3.265	0	%100
22	MP1C	Z	0	0	0	%100
23	MP2C	X	3.616	3.616	0	%100
24	MP2C	Z	0	0	0	%100
25	M53	X	2.449	2.449	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	2.449	2.449	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	3.265	3.265	0	%100
30	MP3B	Z	0	0	0	%100
31	MP1B	X	3.265	3.265	0	%100
32	MP1B	Z	0	0	0	%100
33	MP2B	X	3.616	3.616	0	%100
34	MP2B	Z	0	0	0	%100
35	M65	X	3.265	3.265	0	%100
36	M65	Z	0	0	0	%100
37	M65A	X	3.265	3.265	0	%100
38	M65A	Z	0	0	0	%100
39	M44A	X	3.002	3.002	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	0	0	0	%100
43	M47	X	3.265	3.265	0	%100
44	M47	Z	0	0	0	%100
45	M51	X	3.265	3.265	0	%100
46	M51	Z	0	0	0	%100
47	M54A	X	3.002	3.002	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	0	0	0	%100
51	M57A	X	3.265	3.265	0	%100
52	M57A	Z	0	0	0	%100
53	M61	X	3.265	3.265	0	%100
54	M61	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[in,%]	End Location[in,%]
1	M13	X	1.95	1.95	0	%100
2	M13	Z	1.126	1.126	0	%100
3	M14	X	1.312	1.312	0	%100
4	M14	Z	.758	.758	0	%100
5	M23	X	.707	.707	0	%100
6	M23	Z	.408	.408	0	%100
7	M24	X	.707	.707	0	%100
8	M24	Z	.408	.408	0	%100
9	MP3A	X	2.827	2.827	0	%100
10	MP3A	Z	1.632	1.632	0	%100
11	MP1A	X	2.827	2.827	0	%100
12	MP1A	Z	1.632	1.632	0	%100
13	MP2A	X	3.132	3.132	0	%100
14	MP2A	Z	1.808	1.808	0	%100
15	M38	X	.707	.707	0	%100
16	M38	Z	.408	.408	0	%100
17	M39	X	.707	.707	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[in,%]	End Location[in,%]
18	M39	Z	.408	.408	0	%100
19	MP3C	X	2.827	2.827	0	%100
20	MP3C	Z	1.632	1.632	0	%100
21	MP1C	X	2.827	2.827	0	%100
22	MP1C	Z	1.632	1.632	0	%100
23	MP2C	X	3.132	3.132	0	%100
24	MP2C	Z	1.808	1.808	0	%100
25	M53	X	2.827	2.827	0	%100
26	M53	Z	1.632	1.632	0	%100
27	M54	X	2.827	2.827	0	%100
28	M54	Z	1.632	1.632	0	%100
29	MP3B	X	2.827	2.827	0	%100
30	MP3B	Z	1.632	1.632	0	%100
31	MP1B	X	2.827	2.827	0	%100
32	MP1B	Z	1.632	1.632	0	%100
33	MP2B	X	3.132	3.132	0	%100
34	MP2B	Z	1.808	1.808	0	%100
35	M65	X	2.827	2.827	0	%100
36	M65	Z	1.632	1.632	0	%100
37	M65A	X	2.827	2.827	0	%100
38	M65A	Z	1.632	1.632	0	%100
39	M44A	X	1.95	1.95	0	%100
40	M44A	Z	1.126	1.126	0	%100
41	M45A	X	1.312	1.312	0	%100
42	M45A	Z	.758	.758	0	%100
43	M47	X	2.827	2.827	0	%100
44	M47	Z	1.632	1.632	0	%100
45	M51	X	2.827	2.827	0	%100
46	M51	Z	1.632	1.632	0	%100
47	M54A	X	1.95	1.95	0	%100
48	M54A	Z	1.126	1.126	0	%100
49	M55A	X	1.312	1.312	0	%100
50	M55A	Z	.758	.758	0	%100
51	M57A	X	2.827	2.827	0	%100
52	M57A	Z	1.632	1.632	0	%100
53	M61	X	2.827	2.827	0	%100
54	M61	Z	1.632	1.632	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[in,%]	End Location[in,%]
1	M13	X	.375	.375	0	%100
2	M13	Z	.65	.65	0	%100
3	M14	X	2.273	2.273	0	%100
4	M14	Z	3.936	3.936	0	%100
5	M23	X	1.224	1.224	0	%100
6	M23	Z	2.121	2.121	0	%100
7	M24	X	1.224	1.224	0	%100
8	M24	Z	2.121	2.121	0	%100
9	MP3A	X	1.632	1.632	0	%100
10	MP3A	Z	2.827	2.827	0	%100
11	MP1A	X	1.632	1.632	0	%100
12	MP1A	Z	2.827	2.827	0	%100
13	MP2A	X	1.808	1.808	0	%100
14	MP2A	Z	3.132	3.132	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	0	0	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[in,%]	End Location[in,%]
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	1.632	1.632	0	%100
20	MP3C	Z	2.827	2.827	0	%100
21	MP1C	X	1.632	1.632	0	%100
22	MP1C	Z	2.827	2.827	0	%100
23	MP2C	X	1.808	1.808	0	%100
24	MP2C	Z	3.132	3.132	0	%100
25	M53	X	1.224	1.224	0	%100
26	M53	Z	2.121	2.121	0	%100
27	M54	X	1.224	1.224	0	%100
28	M54	Z	2.121	2.121	0	%100
29	MP3B	X	1.632	1.632	0	%100
30	MP3B	Z	2.827	2.827	0	%100
31	MP1B	X	1.632	1.632	0	%100
32	MP1B	Z	2.827	2.827	0	%100
33	MP2B	X	1.808	1.808	0	%100
34	MP2B	Z	3.132	3.132	0	%100
35	M65	X	1.632	1.632	0	%100
36	M65	Z	2.827	2.827	0	%100
37	M65A	X	1.632	1.632	0	%100
38	M65A	Z	2.827	2.827	0	%100
39	M44A	X	.375	.375	0	%100
40	M44A	Z	.65	.65	0	%100
41	M45A	X	2.273	2.273	0	%100
42	M45A	Z	3.936	3.936	0	%100
43	M47	X	1.632	1.632	0	%100
44	M47	Z	2.827	2.827	0	%100
45	M51	X	1.632	1.632	0	%100
46	M51	Z	2.827	2.827	0	%100
47	M54A	X	.375	.375	0	%100
48	M54A	Z	.65	.65	0	%100
49	M55A	X	2.273	2.273	0	%100
50	M55A	Z	3.936	3.936	0	%100
51	M57A	X	1.632	1.632	0	%100
52	M57A	Z	2.827	2.827	0	%100
53	M61	X	1.632	1.632	0	%100
54	M61	Z	2.827	2.827	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[in,%]	End Location[in,%]
1	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	6.06	6.06	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	3.265	3.265	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	3.265	3.265	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	3.265	3.265	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	3.265	3.265	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	3.616	3.616	0	%100
15	M38	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[in,%]	End Location[in,%]
16	M38	Z	.816	.816	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	.816	.816	0	%100
19	MP3C	X	0	0	0	%100
20	MP3C	Z	3.265	3.265	0	%100
21	MP1C	X	0	0	0	%100
22	MP1C	Z	3.265	3.265	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	3.616	3.616	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	.816	.816	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	.816	.816	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	3.265	3.265	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	3.265	3.265	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	3.616	3.616	0	%100
35	M65	X	0	0	0	%100
36	M65	Z	3.265	3.265	0	%100
37	M65A	X	0	0	0	%100
38	M65A	Z	3.265	3.265	0	%100
39	M44A	X	0	0	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	6.06	6.06	0	%100
43	M47	X	0	0	0	%100
44	M47	Z	3.265	3.265	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	3.265	3.265	0	%100
47	M54A	X	0	0	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	6.06	6.06	0	%100
51	M57A	X	0	0	0	%100
52	M57A	Z	3.265	3.265	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	3.265	3.265	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[in,%]	End Location[in,%]
1	M13	X	-.375	-.375	0	%100
2	M13	Z	.65	.65	0	%100
3	M14	X	-2.273	-2.273	0	%100
4	M14	Z	3.936	3.936	0	%100
5	M23	X	-1.224	-1.224	0	%100
6	M23	Z	2.121	2.121	0	%100
7	M24	X	-1.224	-1.224	0	%100
8	M24	Z	2.121	2.121	0	%100
9	MP3A	X	-1.632	-1.632	0	%100
10	MP3A	Z	2.827	2.827	0	%100
11	MP1A	X	-1.632	-1.632	0	%100
12	MP1A	Z	2.827	2.827	0	%100
13	MP2A	X	-1.808	-1.808	0	%100
14	MP2A	Z	3.132	3.132	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[in,%]	End Location[in,%]
15	M38	X	-1.224	-1.224	0	%100
16	M38	Z	2.121	2.121	0	%100
17	M39	X	-1.224	-1.224	0	%100
18	M39	Z	2.121	2.121	0	%100
19	MP3C	X	-1.632	-1.632	0	%100
20	MP3C	Z	2.827	2.827	0	%100
21	MP1C	X	-1.632	-1.632	0	%100
22	MP1C	Z	2.827	2.827	0	%100
23	MP2C	X	-1.808	-1.808	0	%100
24	MP2C	Z	3.132	3.132	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	-1.632	-1.632	0	%100
30	MP3B	Z	2.827	2.827	0	%100
31	MP1B	X	-1.632	-1.632	0	%100
32	MP1B	Z	2.827	2.827	0	%100
33	MP2B	X	-1.808	-1.808	0	%100
34	MP2B	Z	3.132	3.132	0	%100
35	M65	X	-1.632	-1.632	0	%100
36	M65	Z	2.827	2.827	0	%100
37	M65A	X	-1.632	-1.632	0	%100
38	M65A	Z	2.827	2.827	0	%100
39	M44A	X	-.375	-.375	0	%100
40	M44A	Z	.65	.65	0	%100
41	M45A	X	-2.273	-2.273	0	%100
42	M45A	Z	3.936	3.936	0	%100
43	M47	X	-1.632	-1.632	0	%100
44	M47	Z	2.827	2.827	0	%100
45	M51	X	-1.632	-1.632	0	%100
46	M51	Z	2.827	2.827	0	%100
47	M54A	X	-.375	-.375	0	%100
48	M54A	Z	.65	.65	0	%100
49	M55A	X	-2.273	-2.273	0	%100
50	M55A	Z	3.936	3.936	0	%100
51	M57A	X	-1.632	-1.632	0	%100
52	M57A	Z	2.827	2.827	0	%100
53	M61	X	-1.632	-1.632	0	%100
54	M61	Z	2.827	2.827	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[in,%]	End Location[in,%]
1	M13	X	-1.95	-1.95	0	%100
2	M13	Z	1.126	1.126	0	%100
3	M14	X	-1.312	-1.312	0	%100
4	M14	Z	.758	.758	0	%100
5	M23	X	-.707	-.707	0	%100
6	M23	Z	.408	.408	0	%100
7	M24	X	-.707	-.707	0	%100
8	M24	Z	.408	.408	0	%100
9	MP3A	X	-2.827	-2.827	0	%100
10	MP3A	Z	1.632	1.632	0	%100
11	MP1A	X	-2.827	-2.827	0	%100
12	MP1A	Z	1.632	1.632	0	%100
13	MP2A	X	-3.132	-3.132	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[in,%]	End Location[in,%]
14	MP2A	Z	1.808	1.808	0	%100
15	M38	X	-2.827	-2.827	0	%100
16	M38	Z	1.632	1.632	0	%100
17	M39	X	-2.827	-2.827	0	%100
18	M39	Z	1.632	1.632	0	%100
19	MP3C	X	-2.827	-2.827	0	%100
20	MP3C	Z	1.632	1.632	0	%100
21	MP1C	X	-2.827	-2.827	0	%100
22	MP1C	Z	1.632	1.632	0	%100
23	MP2C	X	-3.132	-3.132	0	%100
24	MP2C	Z	1.808	1.808	0	%100
25	M53	X	-.707	-.707	0	%100
26	M53	Z	.408	.408	0	%100
27	M54	X	-.707	-.707	0	%100
28	M54	Z	.408	.408	0	%100
29	MP3B	X	-2.827	-2.827	0	%100
30	MP3B	Z	1.632	1.632	0	%100
31	MP1B	X	-2.827	-2.827	0	%100
32	MP1B	Z	1.632	1.632	0	%100
33	MP2B	X	-3.132	-3.132	0	%100
34	MP2B	Z	1.808	1.808	0	%100
35	M65	X	-2.827	-2.827	0	%100
36	M65	Z	1.632	1.632	0	%100
37	M65A	X	-2.827	-2.827	0	%100
38	M65A	Z	1.632	1.632	0	%100
39	M44A	X	-1.95	-1.95	0	%100
40	M44A	Z	1.126	1.126	0	%100
41	M45A	X	-1.312	-1.312	0	%100
42	M45A	Z	.758	.758	0	%100
43	M47	X	-2.827	-2.827	0	%100
44	M47	Z	1.632	1.632	0	%100
45	M51	X	-2.827	-2.827	0	%100
46	M51	Z	1.632	1.632	0	%100
47	M54A	X	-1.95	-1.95	0	%100
48	M54A	Z	1.126	1.126	0	%100
49	M55A	X	-1.312	-1.312	0	%100
50	M55A	Z	.758	.758	0	%100
51	M57A	X	-2.827	-2.827	0	%100
52	M57A	Z	1.632	1.632	0	%100
53	M61	X	-2.827	-2.827	0	%100
54	M61	Z	1.632	1.632	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[in,%]	End Location[in,%]
1	M13	X	-3.002	-3.002	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	0	0	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	0	0	0	%100
9	MP3A	X	-3.265	-3.265	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-3.265	-3.265	0	%100
12	MP1A	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[in,%]	End Location[in,%]
13	MP2A	X	-3.616	-3.616	0	%100
14	MP2A	Z	0	0	0	%100
15	M38	X	-2.449	-2.449	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	-2.449	-2.449	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	-3.265	-3.265	0	%100
20	MP3C	Z	0	0	0	%100
21	MP1C	X	-3.265	-3.265	0	%100
22	MP1C	Z	0	0	0	%100
23	MP2C	X	-3.616	-3.616	0	%100
24	MP2C	Z	0	0	0	%100
25	M53	X	-2.449	-2.449	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	-2.449	-2.449	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	-3.265	-3.265	0	%100
30	MP3B	Z	0	0	0	%100
31	MP1B	X	-3.265	-3.265	0	%100
32	MP1B	Z	0	0	0	%100
33	MP2B	X	-3.616	-3.616	0	%100
34	MP2B	Z	0	0	0	%100
35	M65	X	-3.265	-3.265	0	%100
36	M65	Z	0	0	0	%100
37	M65A	X	-3.265	-3.265	0	%100
38	M65A	Z	0	0	0	%100
39	M44A	X	-3.002	-3.002	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	0	0	0	%100
43	M47	X	-3.265	-3.265	0	%100
44	M47	Z	0	0	0	%100
45	M51	X	-3.265	-3.265	0	%100
46	M51	Z	0	0	0	%100
47	M54A	X	-3.002	-3.002	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	0	0	0	%100
51	M57A	X	-3.265	-3.265	0	%100
52	M57A	Z	0	0	0	%100
53	M61	X	-3.265	-3.265	0	%100
54	M61	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[in,%]	End Location[in,%]
1	M13	X	-1.95	-1.95	0	%100
2	M13	Z	-1.126	-1.126	0	%100
3	M14	X	-1.312	-1.312	0	%100
4	M14	Z	-.758	-.758	0	%100
5	M23	X	-.707	-.707	0	%100
6	M23	Z	-.408	-.408	0	%100
7	M24	X	-.707	-.707	0	%100
8	M24	Z	-.408	-.408	0	%100
9	MP3A	X	-2.827	-2.827	0	%100
10	MP3A	Z	-1.632	-1.632	0	%100
11	MP1A	X	-2.827	-2.827	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[in,%]	End Location[in,%]
12	MP1A	Z	-1.632	-1.632	0	%100
13	MP2A	X	-3.132	-3.132	0	%100
14	MP2A	Z	-1.808	-1.808	0	%100
15	M38	X	-.707	-.707	0	%100
16	M38	Z	-.408	-.408	0	%100
17	M39	X	-.707	-.707	0	%100
18	M39	Z	-.408	-.408	0	%100
19	MP3C	X	-2.827	-2.827	0	%100
20	MP3C	Z	-1.632	-1.632	0	%100
21	MP1C	X	-2.827	-2.827	0	%100
22	MP1C	Z	-1.632	-1.632	0	%100
23	MP2C	X	-3.132	-3.132	0	%100
24	MP2C	Z	-1.808	-1.808	0	%100
25	M53	X	-2.827	-2.827	0	%100
26	M53	Z	-1.632	-1.632	0	%100
27	M54	X	-2.827	-2.827	0	%100
28	M54	Z	-1.632	-1.632	0	%100
29	MP3B	X	-2.827	-2.827	0	%100
30	MP3B	Z	-1.632	-1.632	0	%100
31	MP1B	X	-2.827	-2.827	0	%100
32	MP1B	Z	-1.632	-1.632	0	%100
33	MP2B	X	-3.132	-3.132	0	%100
34	MP2B	Z	-1.808	-1.808	0	%100
35	M65	X	-2.827	-2.827	0	%100
36	M65	Z	-1.632	-1.632	0	%100
37	M65A	X	-2.827	-2.827	0	%100
38	M65A	Z	-1.632	-1.632	0	%100
39	M44A	X	-1.95	-1.95	0	%100
40	M44A	Z	-1.126	-1.126	0	%100
41	M45A	X	-1.312	-1.312	0	%100
42	M45A	Z	-.758	-.758	0	%100
43	M47	X	-2.827	-2.827	0	%100
44	M47	Z	-1.632	-1.632	0	%100
45	M51	X	-2.827	-2.827	0	%100
46	M51	Z	-1.632	-1.632	0	%100
47	M54A	X	-1.95	-1.95	0	%100
48	M54A	Z	-1.126	-1.126	0	%100
49	M55A	X	-1.312	-1.312	0	%100
50	M55A	Z	-.758	-.758	0	%100
51	M57A	X	-2.827	-2.827	0	%100
52	M57A	Z	-1.632	-1.632	0	%100
53	M61	X	-2.827	-2.827	0	%100
54	M61	Z	-1.632	-1.632	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[in,%]	End Location[in,%]
1	M13	X	-.375	-.375	0	%100
2	M13	Z	-.65	-.65	0	%100
3	M14	X	-2.273	-2.273	0	%100
4	M14	Z	-3.936	-3.936	0	%100
5	M23	X	-1.224	-1.224	0	%100
6	M23	Z	-2.121	-2.121	0	%100
7	M24	X	-1.224	-1.224	0	%100
8	M24	Z	-2.121	-2.121	0	%100
9	MP3A	X	-1.632	-1.632	0	%100
10	MP3A	Z	-2.827	-2.827	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[in,%]	End Location[in,%]
11	MP1A	X	-1.632	-1.632	0	%100
12	MP1A	Z	-2.827	-2.827	0	%100
13	MP2A	X	-1.808	-1.808	0	%100
14	MP2A	Z	-3.132	-3.132	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	-1.632	-1.632	0	%100
20	MP3C	Z	-2.827	-2.827	0	%100
21	MP1C	X	-1.632	-1.632	0	%100
22	MP1C	Z	-2.827	-2.827	0	%100
23	MP2C	X	-1.808	-1.808	0	%100
24	MP2C	Z	-3.132	-3.132	0	%100
25	M53	X	-1.224	-1.224	0	%100
26	M53	Z	-2.121	-2.121	0	%100
27	M54	X	-1.224	-1.224	0	%100
28	M54	Z	-2.121	-2.121	0	%100
29	MP3B	X	-1.632	-1.632	0	%100
30	MP3B	Z	-2.827	-2.827	0	%100
31	MP1B	X	-1.632	-1.632	0	%100
32	MP1B	Z	-2.827	-2.827	0	%100
33	MP2B	X	-1.808	-1.808	0	%100
34	MP2B	Z	-3.132	-3.132	0	%100
35	M65	X	-1.632	-1.632	0	%100
36	M65	Z	-2.827	-2.827	0	%100
37	M65A	X	-1.632	-1.632	0	%100
38	M65A	Z	-2.827	-2.827	0	%100
39	M44A	X	-.375	-.375	0	%100
40	M44A	Z	-.65	-.65	0	%100
41	M45A	X	-2.273	-2.273	0	%100
42	M45A	Z	-3.936	-3.936	0	%100
43	M47	X	-1.632	-1.632	0	%100
44	M47	Z	-2.827	-2.827	0	%100
45	M51	X	-1.632	-1.632	0	%100
46	M51	Z	-2.827	-2.827	0	%100
47	M54A	X	-.375	-.375	0	%100
48	M54A	Z	-.65	-.65	0	%100
49	M55A	X	-2.273	-2.273	0	%100
50	M55A	Z	-3.936	-3.936	0	%100
51	M57A	X	-1.632	-1.632	0	%100
52	M57A	Z	-2.827	-2.827	0	%100
53	M61	X	-1.632	-1.632	0	%100
54	M61	Z	-2.827	-2.827	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[in,%]	End Location[in,%]
1	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-1.784	-1.784	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	-.601	-.601	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	-.601	-.601	0	%100
9	MP3A	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[in,%]	End Location[in,%]
10	MP3A	Z	-.601	-.601	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-.601	-.601	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	-.727	-.727	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	-.15	-.15	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	-.15	-.15	0	%100
19	MP3C	X	0	0	0	%100
20	MP3C	Z	-.601	-.601	0	%100
21	MP1C	X	0	0	0	%100
22	MP1C	Z	-.601	-.601	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-.727	-.727	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	-.15	-.15	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-.15	-.15	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	-.601	-.601	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-.601	-.601	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-.727	-.727	0	%100
35	M65	X	0	0	0	%100
36	M65	Z	-.601	-.601	0	%100
37	M65A	X	0	0	0	%100
38	M65A	Z	-.601	-.601	0	%100
39	M44A	X	0	0	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	-1.784	-1.784	0	%100
43	M47	X	0	0	0	%100
44	M47	Z	-.601	-.601	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	-.601	-.601	0	%100
47	M54A	X	0	0	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	-1.784	-1.784	0	%100
51	M57A	X	0	0	0	%100
52	M57A	Z	-.601	-.601	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	-.601	-.601	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[in,%]	End Location[in,%]
1	M13	X	.09	.09	0	%100
2	M13	Z	-.156	-.156	0	%100
3	M14	X	.669	.669	0	%100
4	M14	Z	-1.159	-1.159	0	%100
5	M23	X	.225	.225	0	%100
6	M23	Z	-.39	-.39	0	%100
7	M24	X	.225	.225	0	%100
8	M24	Z	-.39	-.39	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[in,%]	End Location[in,%]
9	MP3A	X	.3	.3	0	%100
10	MP3A	Z	-.52	-.52	0	%100
11	MP1A	X	.3	.3	0	%100
12	MP1A	Z	-.52	-.52	0	%100
13	MP2A	X	.363	.363	0	%100
14	MP2A	Z	-.63	-.63	0	%100
15	M38	X	.225	.225	0	%100
16	M38	Z	-.39	-.39	0	%100
17	M39	X	.225	.225	0	%100
18	M39	Z	-.39	-.39	0	%100
19	MP3C	X	.3	.3	0	%100
20	MP3C	Z	-.52	-.52	0	%100
21	MP1C	X	.3	.3	0	%100
22	MP1C	Z	-.52	-.52	0	%100
23	MP2C	X	.363	.363	0	%100
24	MP2C	Z	-.63	-.63	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	.3	.3	0	%100
30	MP3B	Z	-.52	-.52	0	%100
31	MP1B	X	.3	.3	0	%100
32	MP1B	Z	-.52	-.52	0	%100
33	MP2B	X	.363	.363	0	%100
34	MP2B	Z	-.63	-.63	0	%100
35	M65	X	.3	.3	0	%100
36	M65	Z	-.52	-.52	0	%100
37	M65A	X	.3	.3	0	%100
38	M65A	Z	-.52	-.52	0	%100
39	M44A	X	.09	.09	0	%100
40	M44A	Z	-.156	-.156	0	%100
41	M45A	X	.669	.669	0	%100
42	M45A	Z	-1.159	-1.159	0	%100
43	M47	X	.3	.3	0	%100
44	M47	Z	-.52	-.52	0	%100
45	M51	X	.3	.3	0	%100
46	M51	Z	-.52	-.52	0	%100
47	M54A	X	.09	.09	0	%100
48	M54A	Z	-.156	-.156	0	%100
49	M55A	X	.669	.669	0	%100
50	M55A	Z	-1.159	-1.159	0	%100
51	M57A	X	.3	.3	0	%100
52	M57A	Z	-.52	-.52	0	%100
53	M61	X	.3	.3	0	%100
54	M61	Z	-.52	-.52	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[in,%]	End Location[in,%]
1	M13	X	.467	.467	0	%100
2	M13	Z	-.27	-.27	0	%100
3	M14	X	.386	.386	0	%100
4	M14	Z	-.223	-.223	0	%100
5	M23	X	.13	.13	0	%100
6	M23	Z	-.075	-.075	0	%100
7	M24	X	.13	.13	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[in,%]	End Location[in,%]
8	M24	Z	-.075	-.075	0	%100
9	MP3A	X	.52	.52	0	%100
10	MP3A	Z	-.3	-.3	0	%100
11	MP1A	X	.52	.52	0	%100
12	MP1A	Z	-.3	-.3	0	%100
13	MP2A	X	.63	.63	0	%100
14	MP2A	Z	-.363	-.363	0	%100
15	M38	X	.52	.52	0	%100
16	M38	Z	-.3	-.3	0	%100
17	M39	X	.52	.52	0	%100
18	M39	Z	-.3	-.3	0	%100
19	MP3C	X	.52	.52	0	%100
20	MP3C	Z	-.3	-.3	0	%100
21	MP1C	X	.52	.52	0	%100
22	MP1C	Z	-.3	-.3	0	%100
23	MP2C	X	.63	.63	0	%100
24	MP2C	Z	-.363	-.363	0	%100
25	M53	X	.13	.13	0	%100
26	M53	Z	-.075	-.075	0	%100
27	M54	X	.13	.13	0	%100
28	M54	Z	-.075	-.075	0	%100
29	MP3B	X	.52	.52	0	%100
30	MP3B	Z	-.3	-.3	0	%100
31	MP1B	X	.52	.52	0	%100
32	MP1B	Z	-.3	-.3	0	%100
33	MP2B	X	.63	.63	0	%100
34	MP2B	Z	-.363	-.363	0	%100
35	M65	X	.52	.52	0	%100
36	M65	Z	-.3	-.3	0	%100
37	M65A	X	.52	.52	0	%100
38	M65A	Z	-.3	-.3	0	%100
39	M44A	X	.467	.467	0	%100
40	M44A	Z	-.27	-.27	0	%100
41	M45A	X	.386	.386	0	%100
42	M45A	Z	-.223	-.223	0	%100
43	M47	X	.52	.52	0	%100
44	M47	Z	-.3	-.3	0	%100
45	M51	X	.52	.52	0	%100
46	M51	Z	-.3	-.3	0	%100
47	M54A	X	.467	.467	0	%100
48	M54A	Z	-.27	-.27	0	%100
49	M55A	X	.386	.386	0	%100
50	M55A	Z	-.223	-.223	0	%100
51	M57A	X	.52	.52	0	%100
52	M57A	Z	-.3	-.3	0	%100
53	M61	X	.52	.52	0	%100
54	M61	Z	-.3	-.3	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[in,%]	End Location[in,%]
1	M13	X	.719	.719	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M23	X	0	0	0	%100
6	M23	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[in,%]	End Location[in,%]
7	M24	X	0	0	0	%100
8	M24	Z	0	0	0	%100
9	MP3A	X	.601	.601	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	.601	.601	0	%100
12	MP1A	Z	0	0	0	%100
13	MP2A	X	.727	.727	0	%100
14	MP2A	Z	0	0	0	%100
15	M38	X	.45	.45	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	.45	.45	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	.601	.601	0	%100
20	MP3C	Z	0	0	0	%100
21	MP1C	X	.601	.601	0	%100
22	MP1C	Z	0	0	0	%100
23	MP2C	X	.727	.727	0	%100
24	MP2C	Z	0	0	0	%100
25	M53	X	.45	.45	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	.45	.45	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	.601	.601	0	%100
30	MP3B	Z	0	0	0	%100
31	MP1B	X	.601	.601	0	%100
32	MP1B	Z	0	0	0	%100
33	MP2B	X	.727	.727	0	%100
34	MP2B	Z	0	0	0	%100
35	M65	X	.601	.601	0	%100
36	M65	Z	0	0	0	%100
37	M65A	X	.601	.601	0	%100
38	M65A	Z	0	0	0	%100
39	M44A	X	.719	.719	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	0	0	0	%100
43	M47	X	.601	.601	0	%100
44	M47	Z	0	0	0	%100
45	M51	X	.601	.601	0	%100
46	M51	Z	0	0	0	%100
47	M54A	X	.719	.719	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	0	0	0	%100
51	M57A	X	.601	.601	0	%100
52	M57A	Z	0	0	0	%100
53	M61	X	.601	.601	0	%100
54	M61	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[in,%]	End Location[in,%]
1	M13	X	.467	.467	0	%100
2	M13	Z	.27	.27	0	%100
3	M14	X	.386	.386	0	%100
4	M14	Z	.223	.223	0	%100
5	M23	X	.13	.13	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[in,%]	End Location[in,%]
6	M23	Z	.075	.075	0	%100
7	M24	X	.13	.13	0	%100
8	M24	Z	.075	.075	0	%100
9	MP3A	X	.52	.52	0	%100
10	MP3A	Z	.3	.3	0	%100
11	MP1A	X	.52	.52	0	%100
12	MP1A	Z	.3	.3	0	%100
13	MP2A	X	.63	.63	0	%100
14	MP2A	Z	.363	.363	0	%100
15	M38	X	.13	.13	0	%100
16	M38	Z	.075	.075	0	%100
17	M39	X	.13	.13	0	%100
18	M39	Z	.075	.075	0	%100
19	MP3C	X	.52	.52	0	%100
20	MP3C	Z	.3	.3	0	%100
21	MP1C	X	.52	.52	0	%100
22	MP1C	Z	.3	.3	0	%100
23	MP2C	X	.63	.63	0	%100
24	MP2C	Z	.363	.363	0	%100
25	M53	X	.52	.52	0	%100
26	M53	Z	.3	.3	0	%100
27	M54	X	.52	.52	0	%100
28	M54	Z	.3	.3	0	%100
29	MP3B	X	.52	.52	0	%100
30	MP3B	Z	.3	.3	0	%100
31	MP1B	X	.52	.52	0	%100
32	MP1B	Z	.3	.3	0	%100
33	MP2B	X	.63	.63	0	%100
34	MP2B	Z	.363	.363	0	%100
35	M65	X	.52	.52	0	%100
36	M65	Z	.3	.3	0	%100
37	M65A	X	.52	.52	0	%100
38	M65A	Z	.3	.3	0	%100
39	M44A	X	.467	.467	0	%100
40	M44A	Z	.27	.27	0	%100
41	M45A	X	.386	.386	0	%100
42	M45A	Z	.223	.223	0	%100
43	M47	X	.52	.52	0	%100
44	M47	Z	.3	.3	0	%100
45	M51	X	.52	.52	0	%100
46	M51	Z	.3	.3	0	%100
47	M54A	X	.467	.467	0	%100
48	M54A	Z	.27	.27	0	%100
49	M55A	X	.386	.386	0	%100
50	M55A	Z	.223	.223	0	%100
51	M57A	X	.52	.52	0	%100
52	M57A	Z	.3	.3	0	%100
53	M61	X	.52	.52	0	%100
54	M61	Z	.3	.3	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[in,%]	End Location[in,%]
1	M13	X	.09	.09	0	%100
2	M13	Z	.156	.156	0	%100
3	M14	X	.669	.669	0	%100
4	M14	Z	1.159	1.159	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[in,%]	End Location[in,%]
5	M23	X	.225	.225	0	%100
6	M23	Z	.39	.39	0	%100
7	M24	X	.225	.225	0	%100
8	M24	Z	.39	.39	0	%100
9	MP3A	X	.3	.3	0	%100
10	MP3A	Z	.52	.52	0	%100
11	MP1A	X	.3	.3	0	%100
12	MP1A	Z	.52	.52	0	%100
13	MP2A	X	.363	.363	0	%100
14	MP2A	Z	.63	.63	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	.3	.3	0	%100
20	MP3C	Z	.52	.52	0	%100
21	MP1C	X	.3	.3	0	%100
22	MP1C	Z	.52	.52	0	%100
23	MP2C	X	.363	.363	0	%100
24	MP2C	Z	.63	.63	0	%100
25	M53	X	.225	.225	0	%100
26	M53	Z	.39	.39	0	%100
27	M54	X	.225	.225	0	%100
28	M54	Z	.39	.39	0	%100
29	MP3B	X	.3	.3	0	%100
30	MP3B	Z	.52	.52	0	%100
31	MP1B	X	.3	.3	0	%100
32	MP1B	Z	.52	.52	0	%100
33	MP2B	X	.363	.363	0	%100
34	MP2B	Z	.63	.63	0	%100
35	M65	X	.3	.3	0	%100
36	M65	Z	.52	.52	0	%100
37	M65A	X	.3	.3	0	%100
38	M65A	Z	.52	.52	0	%100
39	M44A	X	.09	.09	0	%100
40	M44A	Z	.156	.156	0	%100
41	M45A	X	.669	.669	0	%100
42	M45A	Z	1.159	1.159	0	%100
43	M47	X	.3	.3	0	%100
44	M47	Z	.52	.52	0	%100
45	M51	X	.3	.3	0	%100
46	M51	Z	.52	.52	0	%100
47	M54A	X	.09	.09	0	%100
48	M54A	Z	.156	.156	0	%100
49	M55A	X	.669	.669	0	%100
50	M55A	Z	1.159	1.159	0	%100
51	M57A	X	.3	.3	0	%100
52	M57A	Z	.52	.52	0	%100
53	M61	X	.3	.3	0	%100
54	M61	Z	.52	.52	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[in,%]	End Location[in,%]
1	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M14	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[in,%]	End Location[in,%]
4	M14	Z	1.784	1.784	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	.601	.601	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	.601	.601	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.601	.601	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	.601	.601	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	.727	.727	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	.15	.15	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	.15	.15	0	%100
19	MP3C	X	0	0	0	%100
20	MP3C	Z	.601	.601	0	%100
21	MP1C	X	0	0	0	%100
22	MP1C	Z	.601	.601	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	.727	.727	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	.15	.15	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	.15	.15	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	.601	.601	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	.601	.601	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	.727	.727	0	%100
35	M65	X	0	0	0	%100
36	M65	Z	.601	.601	0	%100
37	M65A	X	0	0	0	%100
38	M65A	Z	.601	.601	0	%100
39	M44A	X	0	0	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	1.784	1.784	0	%100
43	M47	X	0	0	0	%100
44	M47	Z	.601	.601	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	.601	.601	0	%100
47	M54A	X	0	0	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	1.784	1.784	0	%100
51	M57A	X	0	0	0	%100
52	M57A	Z	.601	.601	0	%100
53	M61	X	0	0	0	%100
54	M61	Z	.601	.601	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[in,%]	End Location[in,%]
1	M13	X	-.09	-.09	0	%100
2	M13	Z	.156	.156	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[in,%]	End Location[in,%]
3	M14	X	-.669	-.669	0	%100
4	M14	Z	1.159	1.159	0	%100
5	M23	X	-.225	-.225	0	%100
6	M23	Z	.39	.39	0	%100
7	M24	X	-.225	-.225	0	%100
8	M24	Z	.39	.39	0	%100
9	MP3A	X	-.3	-.3	0	%100
10	MP3A	Z	.52	.52	0	%100
11	MP1A	X	-.3	-.3	0	%100
12	MP1A	Z	.52	.52	0	%100
13	MP2A	X	-.363	-.363	0	%100
14	MP2A	Z	.63	.63	0	%100
15	M38	X	-.225	-.225	0	%100
16	M38	Z	.39	.39	0	%100
17	M39	X	-.225	-.225	0	%100
18	M39	Z	.39	.39	0	%100
19	MP3C	X	-.3	-.3	0	%100
20	MP3C	Z	.52	.52	0	%100
21	MP1C	X	-.3	-.3	0	%100
22	MP1C	Z	.52	.52	0	%100
23	MP2C	X	-.363	-.363	0	%100
24	MP2C	Z	.63	.63	0	%100
25	M53	X	0	0	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	-.3	-.3	0	%100
30	MP3B	Z	.52	.52	0	%100
31	MP1B	X	-.3	-.3	0	%100
32	MP1B	Z	.52	.52	0	%100
33	MP2B	X	-.363	-.363	0	%100
34	MP2B	Z	.63	.63	0	%100
35	M65	X	-.3	-.3	0	%100
36	M65	Z	.52	.52	0	%100
37	M65A	X	-.3	-.3	0	%100
38	M65A	Z	.52	.52	0	%100
39	M44A	X	-.09	-.09	0	%100
40	M44A	Z	.156	.156	0	%100
41	M45A	X	-.669	-.669	0	%100
42	M45A	Z	1.159	1.159	0	%100
43	M47	X	-.3	-.3	0	%100
44	M47	Z	.52	.52	0	%100
45	M51	X	-.3	-.3	0	%100
46	M51	Z	.52	.52	0	%100
47	M54A	X	-.09	-.09	0	%100
48	M54A	Z	.156	.156	0	%100
49	M55A	X	-.669	-.669	0	%100
50	M55A	Z	1.159	1.159	0	%100
51	M57A	X	-.3	-.3	0	%100
52	M57A	Z	.52	.52	0	%100
53	M61	X	-.3	-.3	0	%100
54	M61	Z	.52	.52	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[in,%]	End Location[in,%]
1	M13	X	-.467	-.467	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[in,%]	End Location[in,%]
2	M13	Z	.27	.27	0	%100
3	M14	X	-.386	-.386	0	%100
4	M14	Z	.223	.223	0	%100
5	M23	X	-.13	-.13	0	%100
6	M23	Z	.075	.075	0	%100
7	M24	X	-.13	-.13	0	%100
8	M24	Z	.075	.075	0	%100
9	MP3A	X	-.52	-.52	0	%100
10	MP3A	Z	.3	.3	0	%100
11	MP1A	X	-.52	-.52	0	%100
12	MP1A	Z	.3	.3	0	%100
13	MP2A	X	-.63	-.63	0	%100
14	MP2A	Z	.363	.363	0	%100
15	M38	X	-.52	-.52	0	%100
16	M38	Z	.3	.3	0	%100
17	M39	X	-.52	-.52	0	%100
18	M39	Z	.3	.3	0	%100
19	MP3C	X	-.52	-.52	0	%100
20	MP3C	Z	.3	.3	0	%100
21	MP1C	X	-.52	-.52	0	%100
22	MP1C	Z	.3	.3	0	%100
23	MP2C	X	-.63	-.63	0	%100
24	MP2C	Z	.363	.363	0	%100
25	M53	X	-.13	-.13	0	%100
26	M53	Z	.075	.075	0	%100
27	M54	X	-.13	-.13	0	%100
28	M54	Z	.075	.075	0	%100
29	MP3B	X	-.52	-.52	0	%100
30	MP3B	Z	.3	.3	0	%100
31	MP1B	X	-.52	-.52	0	%100
32	MP1B	Z	.3	.3	0	%100
33	MP2B	X	-.63	-.63	0	%100
34	MP2B	Z	.363	.363	0	%100
35	M65	X	-.52	-.52	0	%100
36	M65	Z	.3	.3	0	%100
37	M65A	X	-.52	-.52	0	%100
38	M65A	Z	.3	.3	0	%100
39	M44A	X	-.467	-.467	0	%100
40	M44A	Z	.27	.27	0	%100
41	M45A	X	-.386	-.386	0	%100
42	M45A	Z	.223	.223	0	%100
43	M47	X	-.52	-.52	0	%100
44	M47	Z	.3	.3	0	%100
45	M51	X	-.52	-.52	0	%100
46	M51	Z	.3	.3	0	%100
47	M54A	X	-.467	-.467	0	%100
48	M54A	Z	.27	.27	0	%100
49	M55A	X	-.386	-.386	0	%100
50	M55A	Z	.223	.223	0	%100
51	M57A	X	-.52	-.52	0	%100
52	M57A	Z	.3	.3	0	%100
53	M61	X	-.52	-.52	0	%100
54	M61	Z	.3	.3	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[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M13	X	-.719	-.719	0	%100
2	M13	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M23	X	0	0	0	%100
6	M23	Z	0	0	0	%100
7	M24	X	0	0	0	%100
8	M24	Z	0	0	0	%100
9	MP3A	X	-.601	-.601	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-.601	-.601	0	%100
12	MP1A	Z	0	0	0	%100
13	MP2A	X	-.727	-.727	0	%100
14	MP2A	Z	0	0	0	%100
15	M38	X	-.45	-.45	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	-.45	-.45	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	-.601	-.601	0	%100
20	MP3C	Z	0	0	0	%100
21	MP1C	X	-.601	-.601	0	%100
22	MP1C	Z	0	0	0	%100
23	MP2C	X	-.727	-.727	0	%100
24	MP2C	Z	0	0	0	%100
25	M53	X	-.45	-.45	0	%100
26	M53	Z	0	0	0	%100
27	M54	X	-.45	-.45	0	%100
28	M54	Z	0	0	0	%100
29	MP3B	X	-.601	-.601	0	%100
30	MP3B	Z	0	0	0	%100
31	MP1B	X	-.601	-.601	0	%100
32	MP1B	Z	0	0	0	%100
33	MP2B	X	-.727	-.727	0	%100
34	MP2B	Z	0	0	0	%100
35	M65	X	-.601	-.601	0	%100
36	M65	Z	0	0	0	%100
37	M65A	X	-.601	-.601	0	%100
38	M65A	Z	0	0	0	%100
39	M44A	X	-.719	-.719	0	%100
40	M44A	Z	0	0	0	%100
41	M45A	X	0	0	0	%100
42	M45A	Z	0	0	0	%100
43	M47	X	-.601	-.601	0	%100
44	M47	Z	0	0	0	%100
45	M51	X	-.601	-.601	0	%100
46	M51	Z	0	0	0	%100
47	M54A	X	-.719	-.719	0	%100
48	M54A	Z	0	0	0	%100
49	M55A	X	0	0	0	%100
50	M55A	Z	0	0	0	%100
51	M57A	X	-.601	-.601	0	%100
52	M57A	Z	0	0	0	%100
53	M61	X	-.601	-.601	0	%100
54	M61	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[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M13	X	-.467	-.467	0	%100
2	M13	Z	-.27	-.27	0	%100
3	M14	X	-.386	-.386	0	%100
4	M14	Z	-.223	-.223	0	%100
5	M23	X	-.13	-.13	0	%100
6	M23	Z	-.075	-.075	0	%100
7	M24	X	-.13	-.13	0	%100
8	M24	Z	-.075	-.075	0	%100
9	MP3A	X	-.52	-.52	0	%100
10	MP3A	Z	-.3	-.3	0	%100
11	MP1A	X	-.52	-.52	0	%100
12	MP1A	Z	-.3	-.3	0	%100
13	MP2A	X	-.63	-.63	0	%100
14	MP2A	Z	-.363	-.363	0	%100
15	M38	X	-.13	-.13	0	%100
16	M38	Z	-.075	-.075	0	%100
17	M39	X	-.13	-.13	0	%100
18	M39	Z	-.075	-.075	0	%100
19	MP3C	X	-.52	-.52	0	%100
20	MP3C	Z	-.3	-.3	0	%100
21	MP1C	X	-.52	-.52	0	%100
22	MP1C	Z	-.3	-.3	0	%100
23	MP2C	X	-.63	-.63	0	%100
24	MP2C	Z	-.363	-.363	0	%100
25	M53	X	-.52	-.52	0	%100
26	M53	Z	-.3	-.3	0	%100
27	M54	X	-.52	-.52	0	%100
28	M54	Z	-.3	-.3	0	%100
29	MP3B	X	-.52	-.52	0	%100
30	MP3B	Z	-.3	-.3	0	%100
31	MP1B	X	-.52	-.52	0	%100
32	MP1B	Z	-.3	-.3	0	%100
33	MP2B	X	-.63	-.63	0	%100
34	MP2B	Z	-.363	-.363	0	%100
35	M65	X	-.52	-.52	0	%100
36	M65	Z	-.3	-.3	0	%100
37	M65A	X	-.52	-.52	0	%100
38	M65A	Z	-.3	-.3	0	%100
39	M44A	X	-.467	-.467	0	%100
40	M44A	Z	-.27	-.27	0	%100
41	M45A	X	-.386	-.386	0	%100
42	M45A	Z	-.223	-.223	0	%100
43	M47	X	-.52	-.52	0	%100
44	M47	Z	-.3	-.3	0	%100
45	M51	X	-.52	-.52	0	%100
46	M51	Z	-.3	-.3	0	%100
47	M54A	X	-.467	-.467	0	%100
48	M54A	Z	-.27	-.27	0	%100
49	M55A	X	-.386	-.386	0	%100
50	M55A	Z	-.223	-.223	0	%100
51	M57A	X	-.52	-.52	0	%100
52	M57A	Z	-.3	-.3	0	%100
53	M61	X	-.52	-.52	0	%100
54	M61	Z	-.3	-.3	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[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M13	X	-.09	-.09	0	%100
2	M13	Z	-.156	-.156	0	%100
3	M14	X	-.669	-.669	0	%100
4	M14	Z	-1.159	-1.159	0	%100
5	M23	X	-.225	-.225	0	%100
6	M23	Z	-.39	-.39	0	%100
7	M24	X	-.225	-.225	0	%100
8	M24	Z	-.39	-.39	0	%100
9	MP3A	X	-.3	-.3	0	%100
10	MP3A	Z	-.52	-.52	0	%100
11	MP1A	X	-.3	-.3	0	%100
12	MP1A	Z	-.52	-.52	0	%100
13	MP2A	X	-.363	-.363	0	%100
14	MP2A	Z	-.63	-.63	0	%100
15	M38	X	0	0	0	%100
16	M38	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	MP3C	X	-.3	-.3	0	%100
20	MP3C	Z	-.52	-.52	0	%100
21	MP1C	X	-.3	-.3	0	%100
22	MP1C	Z	-.52	-.52	0	%100
23	MP2C	X	-.363	-.363	0	%100
24	MP2C	Z	-.63	-.63	0	%100
25	M53	X	-.225	-.225	0	%100
26	M53	Z	-.39	-.39	0	%100
27	M54	X	-.225	-.225	0	%100
28	M54	Z	-.39	-.39	0	%100
29	MP3B	X	-.3	-.3	0	%100
30	MP3B	Z	-.52	-.52	0	%100
31	MP1B	X	-.3	-.3	0	%100
32	MP1B	Z	-.52	-.52	0	%100
33	MP2B	X	-.363	-.363	0	%100
34	MP2B	Z	-.63	-.63	0	%100
35	M65	X	-.3	-.3	0	%100
36	M65	Z	-.52	-.52	0	%100
37	M65A	X	-.3	-.3	0	%100
38	M65A	Z	-.52	-.52	0	%100
39	M44A	X	-.09	-.09	0	%100
40	M44A	Z	-.156	-.156	0	%100
41	M45A	X	-.669	-.669	0	%100
42	M45A	Z	-1.159	-1.159	0	%100
43	M47	X	-.3	-.3	0	%100
44	M47	Z	-.52	-.52	0	%100
45	M51	X	-.3	-.3	0	%100
46	M51	Z	-.52	-.52	0	%100
47	M54A	X	-.09	-.09	0	%100
48	M54A	Z	-.156	-.156	0	%100
49	M55A	X	-.669	-.669	0	%100
50	M55A	Z	-1.159	-1.159	0	%100
51	M57A	X	-.3	-.3	0	%100
52	M57A	Z	-.52	-.52	0	%100
53	M61	X	-.3	-.3	0	%100
54	M61	Z	-.52	-.52	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	N26	max	2285.411	10	2096.317	1	940.069	1	2.103	1	2.165	4	2.562	4
2		min	-2282.553	4	-700.712	7	-939.375	7	-.779	7	-2.167	10	-2.618	10
3	N88A	max	1353.425	11	1980.264	9	1790.448	12	1.883	1	2.078	12	1.278	4
4		min	-1343.976	5	-789.887	3	-1796.546	6	-2.54	7	-2.073	6	-2.201	10
5	N108A	max	1168.53	9	2026.988	5	1990.032	2	2.026	1	2.138	8	2.207	3
6		min	-1181.442	3	-753.504	11	-1994.978	8	-2.63	7	-2.14	2	-1.17	9
7	Totals:	max	4462.73	10	4382.734	21	4562.485	1						
8		min	-4462.728	4	1378.104	66	-4562.483	7						

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

	Member	Shape	Code Check	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M13	HSS4X4X4	.200	0	3	.251	0	z	10	139005....	139518	16.181	16.181	1....	H1-1b
2	M14	PL3/8x7	.579	9.5	2	.217	9.5	y	2	19399.67	85050	.664	12.404	1....	H1-1b
3	M23	PIPE_2.0	.447	32	12	.261	7.333		1	22845.3...	32130	1.872	1.872	1....	H1-1b
4	M24	PIPE_2.0	.250	32	9	.120	7.333		32	22845.3...	32130	1.872	1.872	1....	H1-1b
5	MP3A	PIPE_2.0	.205	39.375	7	.047	39.375		12	17855.0...	32130	1.872	1.872	1....	H1-1b
6	MP1A	PIPE_2.0	.245	39.375	7	.039	38.5		10	17855.0...	32130	1.872	1.872	1....	H1-1b
7	MP2A	PIPE_2.5	.351	38.5	1	.080	17.5		10	33961.6...	50715	3.596	3.596	1....	H1-1b
8	M38	PIPE_2.0	.446	50.667	10	.264	7.333		3	22845.3...	32130	1.872	1.872	1....	H1-1b
9	M39	PIPE_2.0	.252	32	5	.093	32		2	22845.3...	32130	1.872	1.872	1....	H1-1b
10	MP3C	PIPE_2.0	.204	39.375	3	.046	39.375		2	17855.0...	32130	1.872	1.872	1....	H1-1b
11	MP1C	PIPE_2.0	.242	39.375	3	.039	38.5		6	17855.0...	32130	1.872	1.872	1....	H1-1b
12	MP2C	PIPE_2.5	.348	38.5	3	.080	17.5		6	33961.6...	50715	3.596	3.596	2....	H1-1b
13	M53	PIPE_2.0	.438	54	6	.223	10.667		11	22845.3...	32130	1.872	1.872	1....	H1-1b
14	M54	PIPE_2.0	.255	32	12	.104	60		5	22845.3...	32130	1.872	1.872	1....	H1-1b
15	MP3B	PIPE_2.0	.189	39.375	11	.030	39.375		4	17855.0...	32130	1.872	1.872	1....	H1-1b
16	MP1B	PIPE_2.0	.249	39.375	11	.039	38.5		2	17855.0...	32130	1.872	1.872	1....	H1-1b
17	MP2B	PIPE_2.5	.348	38.5	11	.080	17.5		8	33961.6...	50715	3.596	3.596	2....	H1-1b
18	M65	PIPE_2.0	.878	51.188	3	.189	51.188		4	19360.2...	32130	1.872	1.872	2....	H1-1b
19	M65A	PIPE_2.0	.793	51.188	11	.187	51.188		10	19360.2...	32130	1.872	1.872	2....	H1-1b
20	M44A	HSS4X4X4	.186	0	11	.241	0	z	6	139005....	139518	16.181	16.181	1....	H1-1b
21	M45A	PL3/8x7	.523	9.5	10	.196	9.5	y	10	19399.67	85050	.664	12.404	1....	H1-1b
22	M47	PIPE_2.0	.820	51.188	11	.191	51.188		12	19360.2...	32130	1.872	1.872	2....	H1-1b
23	M51	PIPE_2.0	.741	51.188	7	.186	51.188		12	19360.2...	32130	1.872	1.872	2....	H1-1b
24	M54A	HSS4X4X4	.196	0	7	.244	0	z	8	139005....	139518	16.181	16.181	1....	H1-1b
25	M55A	PL3/8x7	.579	9.5	6	.213	9.5	y	6	19399.67	85050	.664	12.404	1....	H1-1b
26	M57A	PIPE_2.0	.881	51.188	7	.190	51.188		8	19360.2...	32130	1.872	1.872	2....	H1-1b
27	M61	PIPE_2.0	.734	51.188	3	.188	51.188		2	19360.2...	32130	1.872	1.872	2....	H1-1b

Client:	Verizon Wireless	Date:	5/25/2022
Site Name:	Seymour West CT		
PSLC #:	469065		
Fuze ID #:	16092567	Page:	2

Version 1.0

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Stiffner Notch Length, n (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2
c_y (in)	2
Required combined strength (kip/in):	1.52
Weld Capacity (kip/in):	5.57
Weld Utilization:	**27.4%**

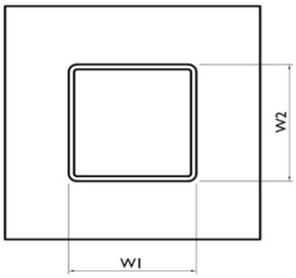


Exhibit F

Power Density/RF Emissions Report

Site Name: ***CLINTON 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	959	3836	210	0.0031	0.5007	0.62%
VZW Cellular	874	4	1098	4392	210	0.0036	0.5827	0.61%
VZW PCS	1975	4	1593	6372	210	0.0052	1.0000	0.52%
VZW AWS	2120	4	1633	6534	210	0.0053	1.0000	0.53%
VZW CBAND	3730.08	2	13335	26670	210	0.0217	1.0000	2.17%

Total Percentage of Maximum Permissible Exposure 4.47%

*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.