



Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

August 31, 2021

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

RE: **Notice of Exempt Modification for Verizon:**
Crown Site BU: 842872
52 New Britain Avenue, Rocky Hill, CT 06067
Latitude: 41° 39' 36.89"/ Longitude: -72° 40' 50.58"

Dear Ms. Bachman:

Verizon currently maintains twelve (12) total antennas at the 90-foot centerline on the existing 182- foot monopole tower, located at 52 New Britain Avenue in Rocky Hill, CT. The property is owned by the Town of Rocky Hill and the tower is owned by Crown Castle. Verizon now intends to swap three (3) antennas, add (3) antennas and install one (1) hybrid cable.

Tower modifications:

- Swap three (3) antennas
- Add three (3) antennas
- Install one (1) hybrid cable

Ground modifications:

- None

The Town of Rocky Hill approved construction of the tower on November 30th, 1998.

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.S.C.A. § 16-50j-73, a copy of this letter is being sent to the Honorable Lisa Marotta, Mayor, Town of Rocky Hill, as well as Kim Ricci, Town Planner for the Town of Rocky Hill.

Additionally:

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.

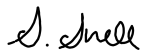
The Foundation for a Wireless World.

CrownCastle.com

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j72(b)(2). Please send approval/rejection letter to my attention at the address listed below.

Sincerely,



Sarah Snell
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
T: 508-621-9146
Sarah.Snell@crowncastle.com

Attachments

cc: The Honorable Lisa Marotta, Mayor
Town of Rocky Hill
761 Old Main Street
Rocky Hill, CT 06067

Ms. Kim Ricci, Town Planner
Town of Rocky Hill
761 Old Main Street
Rocky Hill, CT 06067

Crown Castle (Tower Owner)

Snell, Sarah

From: TrackingUpdates@fedex.com
Sent: Wednesday, September 1, 2021 10:11 AM
To: Snell, Sarah
Subject: FedEx Shipment 774683396010: Your package has been delivered

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Hi. Your package was
delivered Wed, 09/01/2021 at
10:09am.



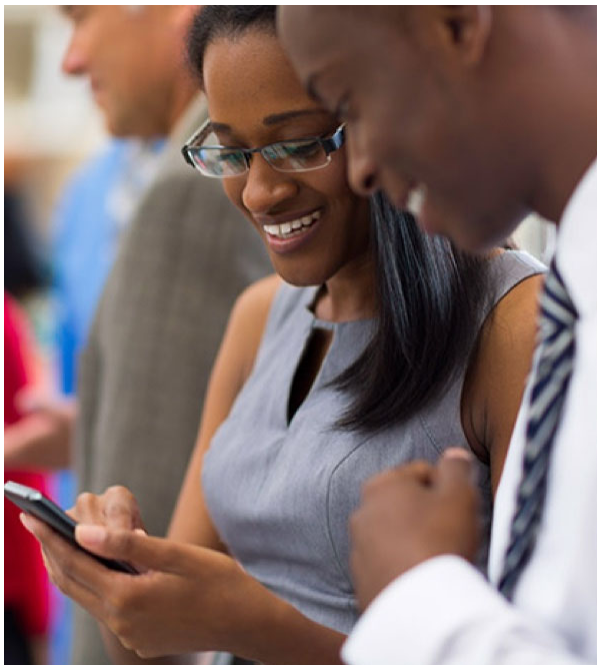
Delivered to 761 OLD MAIN ST, ROCKY HILL, CT 06067
Received by T.CLERK

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [774683396010](#)

FROM Sarah Snell
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO	Town of Rocky Hill The Honorable Lisa Marotta, Mayor 761 Old Main St. ROCKY HILL, CT, US, 06067
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Tue 8/31/2021 06:20 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	ROCKY HILL, CT, US, 06067
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight



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This report was generated at approximately 9:10 AM CDT 09/01/2021.

All weights are estimated.

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

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

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Thank you for your business.

Snell, Sarah

From: TrackingUpdates@fedex.com
Sent: Wednesday, September 1, 2021 10:11 AM
To: Snell, Sarah
Subject: FedEx Shipment 774683417412: Your package has been delivered

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Hi. Your package was
delivered Wed, 09/01/2021 at
10:09am.



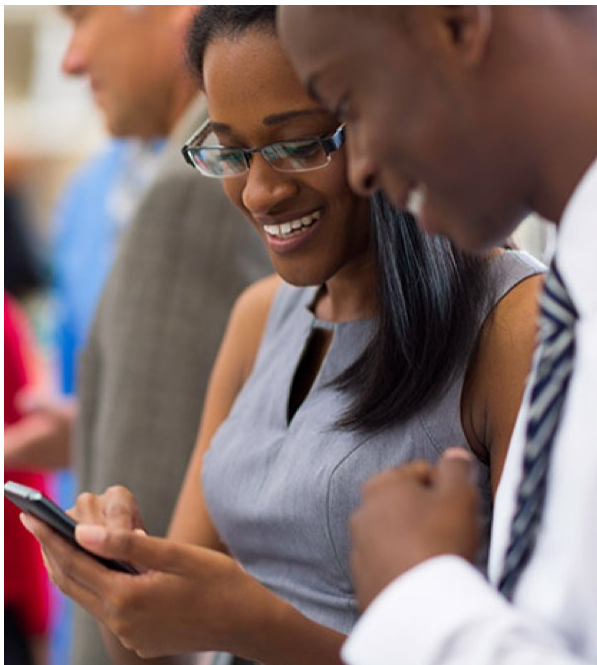
Delivered to 761 OLD MAIN ST, ROCKY HILL, CT 06067
Received by T.CLERK

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [774683417412](#)

FROM Sarah Snell
1800 West Park Drive
Suite 200
WESTBOROUGH, MA, US, 01581

TO	Town of Rocky Hill Ms. Kim Ricci, Town Planner 761 Old Main St. ROCKY HILL, CT, US, 06067
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Thank you for your business.

Exhibit A

Original Facility Approval

**TOWN OF ROCKY HILL, CONN.
BUILDING PERMIT**

No 13621

Estimated Cost (structural) \$ 669,707.00

Fee \$ waived

November 30, 19 98

APPLICANTS PERMIT

PERMISSION IS HEREBY GRANTED TO.....Conn. Strux., Inc., 860-677-9255.....

to erect a.....addition.....

Location.....R.H. Fire Station #2 N.Britain Ave.....No. of families or units.....

Zoned.....Lot Area.....Frontage.....

Front yard setback.....Right side yard.....Left side yard.....

Rear yard.....Dimensions of building.....No. stories.....

Type of Const OwnerTown of Rocky Hill.....

NOTICE

The recipient of this permit accepts this permit on the condition that he, as owner or as representing the owner, agrees to comply with all Building, Zoning Ordinances of the Town of Rocky Hill and the State Statutes of the State of Connecticut, regarding the use occupancy and type of building to be constructed.

Building Official

License No.

Permission must be obtained from the Office of the Town Engineer before Building Materials can be placed in the highway. Surface and roof water must not be connected with the Storm Sewer.



Town of Rocky Hill

699 OLD MAIN STREET • PO BOX 657 • ROCKY HILL, CT 06067 • FAX (860) 258-7638

August 27, 2001

To: Jennifer Charland

From: J-P. Langlois, Building Official

Re: Communication Tower, 52 New Britain Avenue

Dear Jennifer;

This letter is in reference to a communication tower that was installed under building permit #13621 at 52 New Britain Avenue in Rocky Hill, Connecticut.

A final inspection was performed on January 25, 2001 and was approved.

Should you have any questions, please feel free to contact the Building Department
At (860) 258-2745.

Exhibit B

Property Card

Situs : 52 NEW BRITAIN AVENUE	PARCEL ID: 6855	Class: 907	Card: 1 of 1	Printed: March 5, 2020
--------------------------------------	------------------------	-------------------	--------------	------------------------

CURRENT OWNER	GENERAL INFORMATION
ROCKY HILL TOWN OF CO 2 FIREHOUSE 761 OLD MAIN STREET ROCKY HILL CT 06067-1517 057/353 12/15/1957	Living Units Neighborhood S Alternate ID 007392 Vol / Pg 057/353 Map/Lot 08-354 Zoning C Class EXEMPT

Property Notes



Land Information				
Type	Size	Influence Factors	Influence %	Value
Primary	AC	0.5700		314,000
Total Acres: .57 Spot: Location:				

Assessment Information					
	Assessed	Appraised	Cost	Income	Market
Land	219,800	314,000	314,000	0	0
Building	544,110	777,300	777,300	0	0
Total	763,910	1,091,300	1,091,300	0	0
Value Flag Gross Building: Manual Override Reason Base Date of Value Effective Date of Value					

Entrance Information			
Date	ID	Entry Code	Source
10/04/12	ST	Measured + 1visit	From Conversion

Permit Information					
Date Issued	Number	Price	Purpose	% Complete	
03/15/18	2018-352	25,000	CM	Remove And Replace (3) Antenna:	0
10/31/17	2018-198	20,000	CM	Sprint To Add Three (3) Antennas	0
09/10/16	2017-104	20,000	MS	At&T To Add Three (3) Antennas	0
10/28/15	2016-135	28,000	EL	Retrofit Lights In Fire Station	0
06/18/15	2015-457	44,000	SN	Replace Existing Message Boards	0

Sales/Ownership History						
Transfer Date	Price	Type	Validity	Deed Reference	Deed Type	Grantee
12/15/57		Vacant - Land Only Sale	No Consideration	057/353	No Consideration	ROCKY HILL TOWN OF

Inspection Witnessed By _____

Situs : 52 NEW BRITAIN AVENUE

Parcel Id: 6855

Class: 907

Card: 1 of 1

Printed: March 5, 2020

Building Information

Year Built/Eff Year	1958 /
Building #	1
Structure Type	Police/Fire Station
Identical Units	1
Total Units	1
Grade	B
# Covered Parking	
# Uncovered Parking	
DBA	CO 2 FIREHOUSE

Building Other Features

Line Type	+/-	Meas1	Meas2	# Stops	Ident Units	Line Type	+/-	Meas1	Meas2	# Stops	Ident Units
-----------	-----	-------	-------	---------	-------------	-----------	-----	-------	-------	---------	-------------

Interior/Exterior Information

Line	Level	From - To	Int Fin	Area	Perim	Use Type	Wall Height	Ext Walls	Construction	Partitions	Heating	Cooling	Plumbing	Physical	Functional
1	01	01		4,199	260	Municipal	12	Brick & Con	Fire Resistant	Normal	Hot Air	Central	Normal	5	3
2	02	02		3,074	222	Municipal	12	Brick & Con	Fire Resistant	Normal	Hot Air	Central	Normal	5	3

Interior/Exterior Valuation Detail

Line	Area	Use Type	% Good	% Complete	Use Value/RCNLD
1	4,199	Municipal	60		456,520
2	3,074	Municipal	60		299,700

Outbuilding Data

Line	Type	Yr Blt	Meas1	Meas2	Qty	Area	Grade	Phy Fun	Value
1	Asph Pav	1958			1	17,000	C	A	21,040

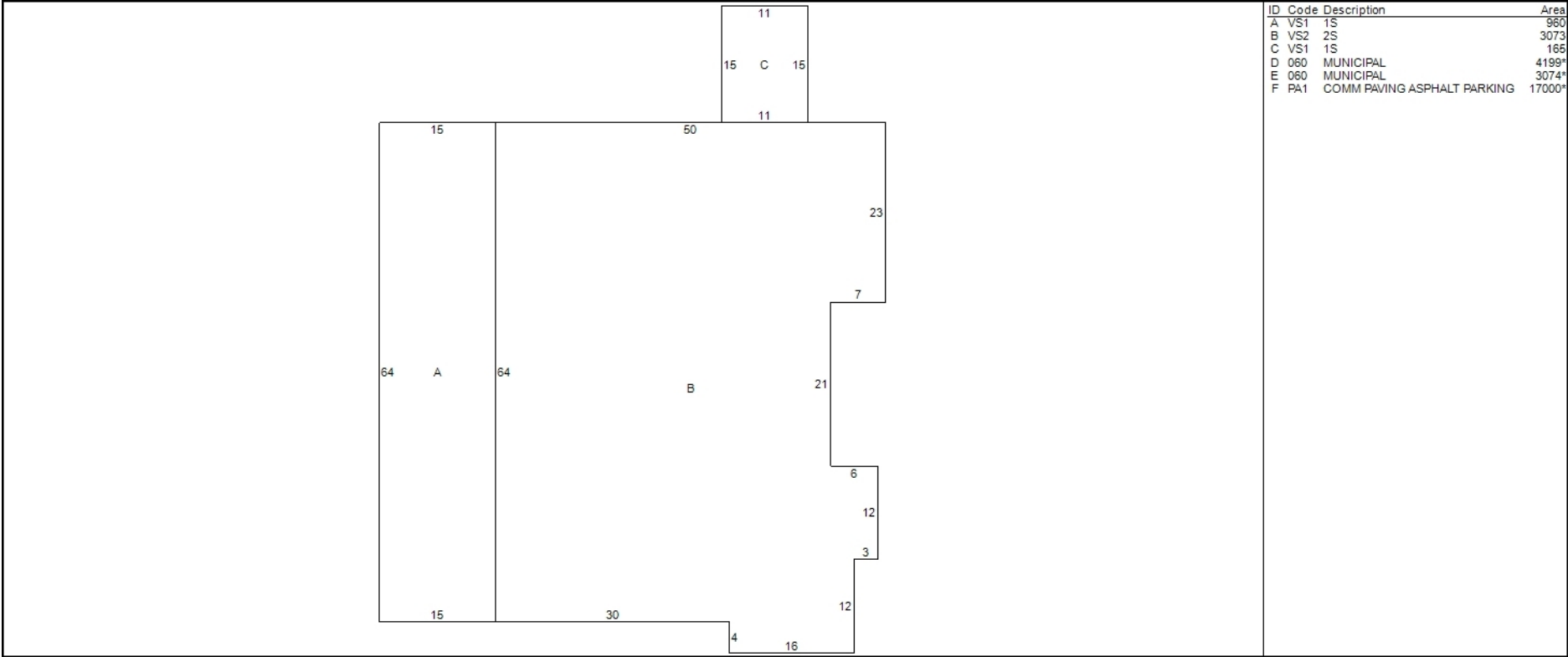
Situs : 52 NEW BRITAIN AVENUE

Parcel Id: 6855

Class: 907

Card: 1 of 1

Printed: March 5, 2020



Additional Property Photos



Situs : 52 NEW BRITAIN AVENUE	Parcel Id: 6855	Class: 907	Card: 1 of 1	Printed: March 5, 2020
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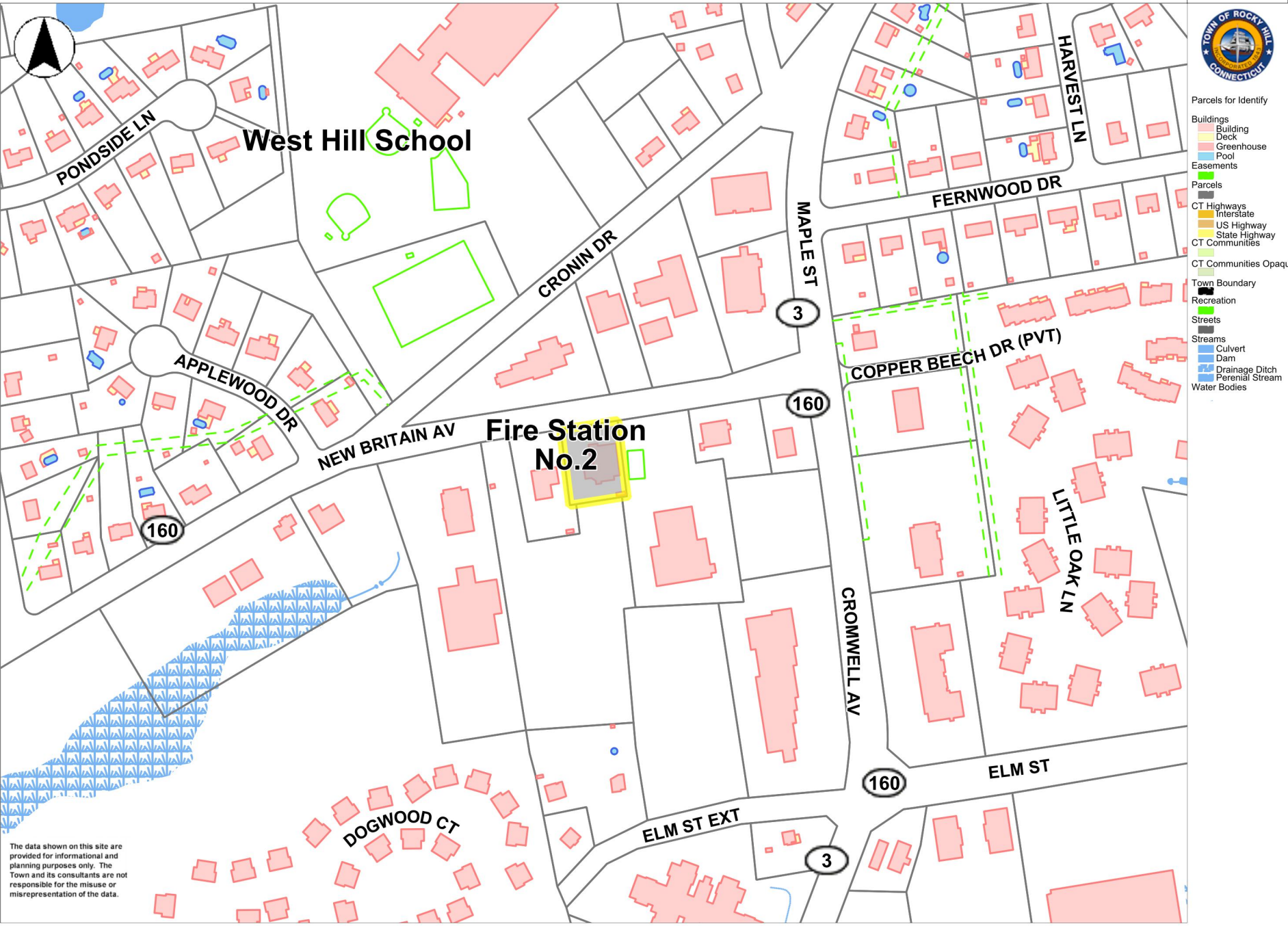
Income Detail (Includes all Buildings on Parcel)																		
Use Mod Grp	Mod Type	Inc Mod	Model Description	Units	Net Area	Income Rate	Econ Adjust	Potential Gross Income	Vac Model	Vac Adj	Additional Income	Effective Gross Income	Expense Model %	Expense Adj %	Expense Adj	Other Expenses	Total Expenses	Net Operating Income
00	S	1	Shell Income Use Group	0	7,273						0							

Apartment Detail - Building 1 of 1							
Line	Use Type	Per Bldg	Beds	Baths	Units	Rent	Income

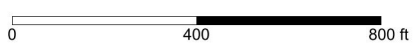
Building Cost Detail - Building 1 of 1	
Total Gross Building Area	7,273
Replace, Cost New Less Depr	756,220
Percent Complete	100
Number of Identical Units	1
Economic Condition Factor	
Final Building Value	756,220
Value per SF	103.98

Notes - Building 1 of 1	

Income Summary (Includes all Building on Parcel)	
Total Net Income	
Capitalization Rate	0.090000
Sub total	
Residual Land Value	
Final Income Value	
Total Gross Rent Area	
Total Gross Building Area	7,273



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Printed on 07/14/2021 at 06:15 PM

MapsOnline by PeopleGIS

Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 468685

VERIZON SITE NAME: ROCKY HILL 3 CT

SITE TYPE: MONOPOLE

TOWER HEIGHT: 182'-0"

BUSINESS UNIT #: 842872

SITE ADDRESS: 52 NEW BRITAIN AVENUE

COUNTY: ROCKY HILL, CT 06067

JURISDICTION: HARTFORD

CONNECTICUT SITTING COUNCIL

VERIZON FUZE PROJECT #: 16232007



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



1500 CORPORATE DRIVE
CANONSBURG, PA 15317



FROM ZERO TO INFINIGY
the solutions are endless

BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468685

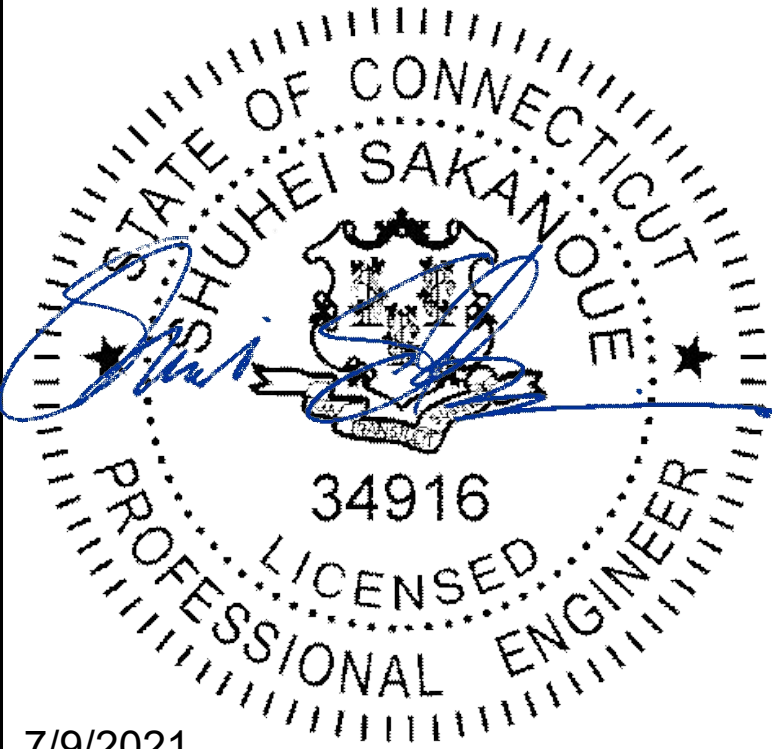
BU #: 842872
ROCKY HILL

52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067

EXISTING 182'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/14/2021	RCD	FINAL	--
1	07/07/2021	PEG	FINAL	--



7/9/2021

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

SHEET NUMBER:

T-1

REVISION:

1

SITE INFORMATION

CROWN CASTLE USA INC.
SITE NAME:

ROCKY HILL

SITE ADDRESS:

52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067

COUNTY:

HARTFORD

MAP/PARCEL #:

VERIFY

AREA OF CONSTRUCTION:

EXISTING

LATITUDE:

41° 39' 36.99" N (41.660277°)

LONGITUDE:

72° 40' 51.99" W (-72.68111°)

LAT/LONG TYPE:

NAD83

GROUND ELEVATION:

196.8'

CURRENT ZONING:

N/A

JURISDICTION:

CONNECTICUT SITTING COUNCIL

OCCUPANCY CLASSIFICATION:

U

TYPE OF CONSTRUCTION:

IIB

A.D.A. COMPLIANCE:

FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION

PROPERTY OWNER:

TBD

TOWER OWNER:

CCATT LLC
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

CARRIER/APPLICANT:

VERIZON WIRELESS
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

ELECTRIC PROVIDER:

CL&P
(800) 286-4000

TELCO PROVIDER:

TBD

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
----. 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

6039-Z0001-C

VzW LOCATION CODE (PSLC)

468685

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

MOUNT MODIFICATION REQUIRED

Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (482 PIGEON HILL RD, WINDSOR, CT 06095) HEAD WEST ON PIGEON HILL RD TOWARDS ADDISON RD, TURN LEFT ONTO ADDISON RD, TURN LEFT ONTO CT-305 / BLOOMFIELD AVE, TAKE THE SLIP ROAD ON THE RIGHT FOR I-91 SOUTH AND HEAD TOWARDS HARTFORD, HEAD RIGHT ON THE SLIP ROAD FOR WEST ST TOWARDS ROCKY HILL, TURN RIGHT ONTO WEST ST, TURN RIGHT ONTO CT-3 / CROMWELL AVE, KEEP STRAIGHT TO GET ONTO CT-160 / CT-3 / CROMWELL AVE, TURN LEFT ONTO CT-160 / NEW BRITAIN AVE, TURN LEFT, ARRIVE AT 52 NEW BRITAIN AVENUE, ROCKY HILL, CT 06067.

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 CT STATE BUILDING CODE
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:

BY OTHERS

DATED:

MOUNT ANALYSIS:

BY OTHERS

DATED:

RFDS REVISION:

TBD

DATED:

03/18/2021

ORDER ID:

568277

REVISION:

0

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (3) ANTENNAS
- INSTALL (6) ANTENNAS
- INSTALL (1) HYBRID CABLE

GROUND SCOPE OF WORK:

- N/A

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

PROJECT TEAM

A&E FIRM:

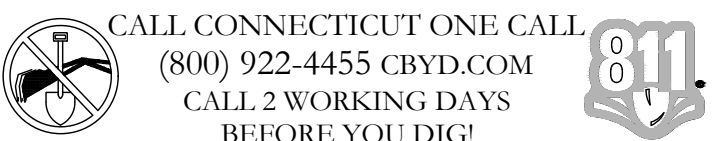
CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CROWN.AE.APPROVAL@CROWNCASTLE.COM

CROWN CASTLE
USA INC. DISTRICT
CONTACTS:

3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065
TBD - PROJECT MANAGER
--
TBD - CONSTRUCTION MANAGER
--

VERIZON
CONTACT:

ANDREW LEONE
ALEONE@STRUCTURECONSULTING.NET



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 LANS 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." 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) 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.

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-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
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).

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
 - 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
 - 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
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 TO 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/IEEC 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 NEW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC 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
277/480V, 3Ø	GROUND	GREEN
	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
DC VOLTAGE	NEUTRAL	GREY
	GROUND	GREEN
	POS (+)	RED**
	NEG (-)	BLACK**

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

ABBREVIATIONS:

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

APWA UNIFORM COLOR CODE:

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



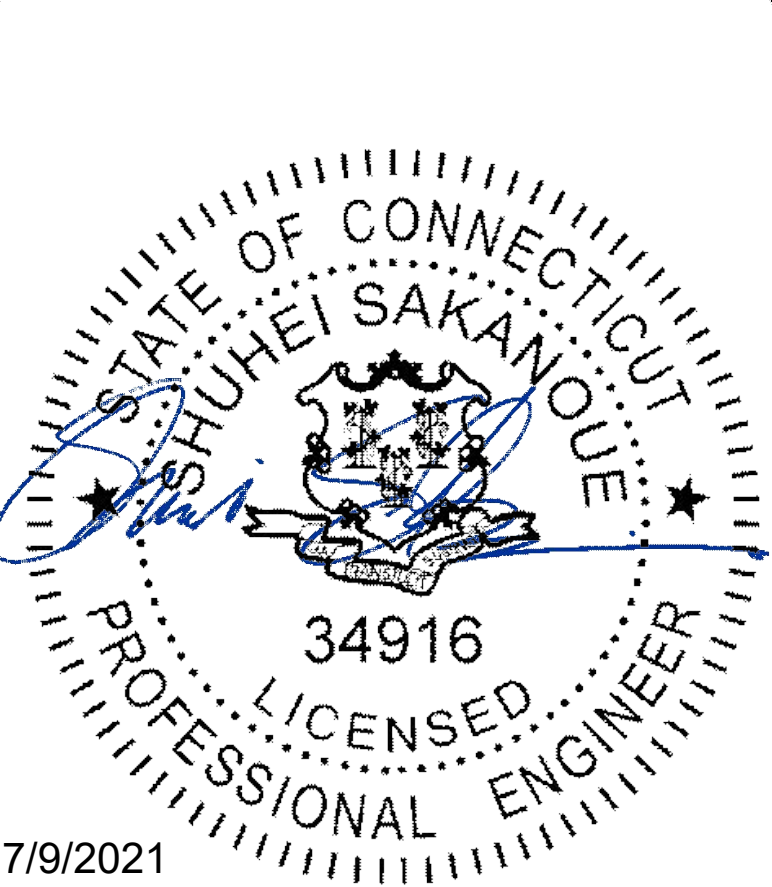
VERIZON SITE NUMBER:
468685

BU #: 842872
ROCKY HILL

52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067

EXISTING 182'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/14/2021	RCD	FINAL	--
1	07/07/2021	PEG	FINAL	--



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verizon

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BEDMINSTER, NJ 07921

CROWN
CASTLE

1500 CORPORATE DRIVE
CANONSBURG, PA 15317

INFINIGY

FROM ZERO TO INFINIGY
the solutions are endless

BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468685

BU #: 842872
ROCKY HILL

52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067

EXISTING 182'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/14/2021	RCD	FINAL	--
1	07/07/2021	PEG	FINAL	--

STATE OF CONNECTICUT

SHUHEI SAKANoue

34916

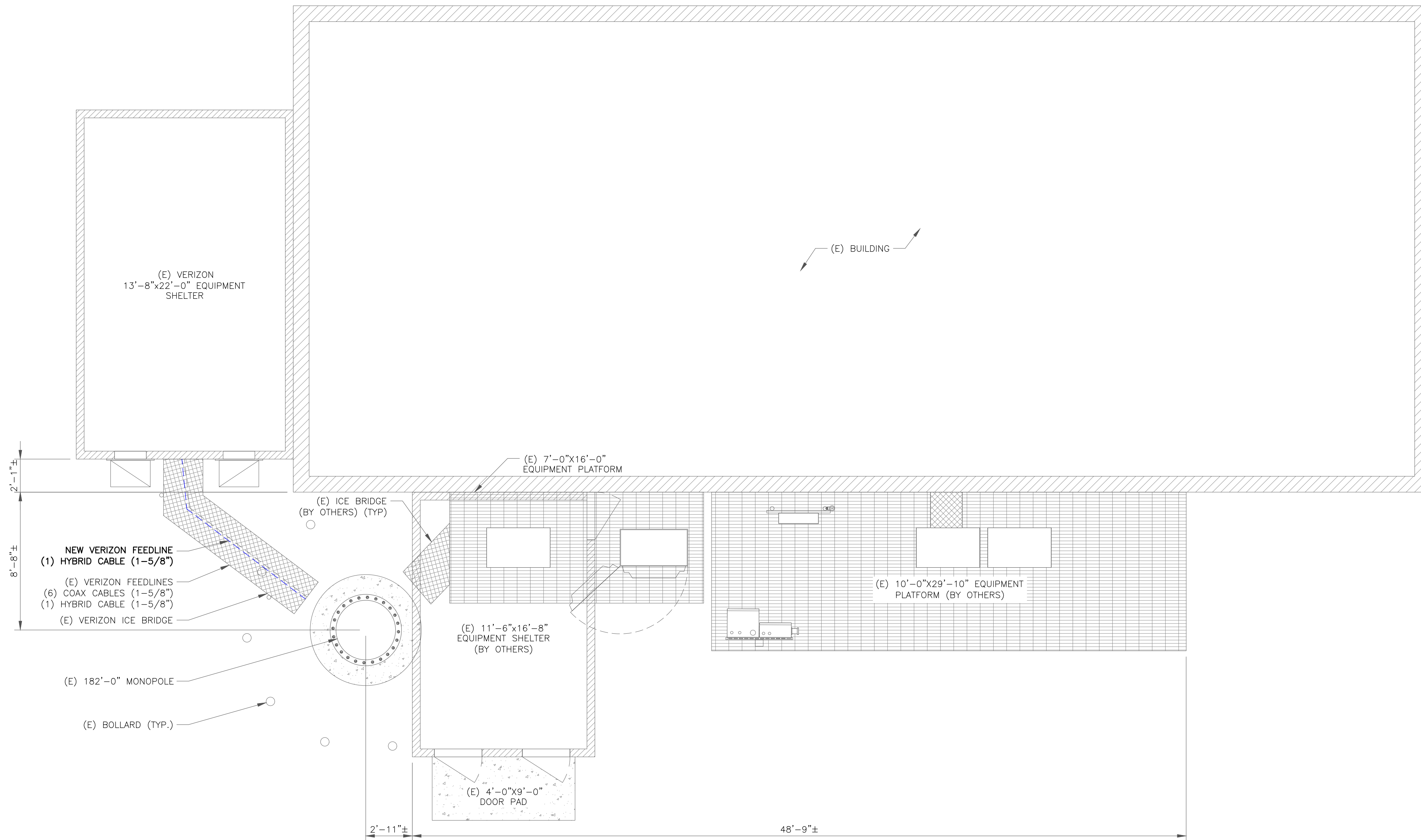
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7/9/2021

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1



1 SITE PLAN

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

NOTES:

- ELEVATION BASED ON DRAWING PROVIDED BY TOWER OWNER. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATION/ORIENTATION OF EXISTING EQUIPMENT.
- INFINIGY HAS NOT EVALUATED THE TOWER OR MOUNT STRUCTURE AND ASSUMES NO RESPONSIBILITY FOR THEIR STRUCTURAL INTEGRITY REGARDING PROPOSED LOADINGS. FINAL INSTALLATION SHALL COMPLY WITH RESULTS OF PASSING STRUCTURAL ANALYSES PERFORMED BY OTHERS.
- FOR ADDITIONAL STRUCTURAL INFORMATION PERTAINING TO THE ANTENNA MOUNTS, SEE 'POST MOD ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS' AND MODIFICATION DRAWINGS COMPLETED BY MASER, DATED 6/24/21.

TIP OF EQUIPMENT
ELEV. = 197'-8"

TIP OF MONOPOLE
ELEV. = 182'-0"
CENTERLINE OF ANTENNA MOUNT BY OTHERS
ELEV. = 178'-0"

CENTERLINE OF ANTENNA MOUNT BY OTHERS
ELEV. = 168'-0"

CENTERLINE OF ANTENNA MOUNT BY OTHERS
ELEV. = 157'-0"

CENTERLINE OF ANTENNA MOUNT BY OTHERS
ELEV. = 142'-0"
CENTERLINE OF ANTENNA MOUNT BY OTHERS
ELEV. = 140'-0"

VERIZON EQUIPMENT

ANTENNA CL: 90'-0"
MOUNT CL: 90'-0"

- NEW VERIZON EQUIPMENT
- (3) SAMSUNG - MT6407-77A ANTENNAS
 - (3) SAMSUNG - XXDWMM-12.5-65-8T-CBRs INSTALLED ON EXISTING MOUNTS
 - (E) VERIZON EQUIPMENT TO REMAIN
 - (6) COMMSCOPE - NHH-65B-R2B ANTENNAS
 - (3) AMPHENOL - BXA-70080-4BF-EDIN-0 ANTENNAS
 - (3) SAMSUNG - RFV01U-D1A RRHs
 - (3) SAMSUNG - RFV01U-D2A RRHs INSTALLED ON EXISTING MOUNTS

TIP OF (E) ANTENNA
ELEV. = 93'-0"
TIP OF (N) ANTENNA
ELEV. = 91'-6"
CENTERLINE OF (E) & (N) ANTENNA
ELEV. = 90'-0"
CENTERLINE OF MOUNT
ELEV. = 187'-0"

CENTERLINE OF ANTENNA MOUNT BY OTHERS
ELEV. = 73'-0"

NEW VERIZON FEEDLINE
(1) HYBRID CABLE (1-5/8")

(E) VERIZON FEEDLINES
(6) COAX CABLES (1-5/8")
(1) HYBRID CABLE (1-5/8")

(E) 182'-0" MONOPOLE

(E) EQUIPMENT PLATFORM
(BY OTHERS)

(E) VERIZON ICE BRIDGE

(E) EQUIPMENT SHELTER
(BY OTHERS)

(E) BOLLARD (TYP.)

(E) BUILDING

(E) VERIZON 13'-8"x22'-0"
EQUIPMENT SHELTER

1 TOWER ELEVATION
SCALE: NOT TO SCALE

(E) ANTENNA TO REMAIN
AMPHENOL - BXA-70080-4BF-EDIN-0
(3 TOTAL, 1 PER SECTOR)

(E) ANTENNA TO BE REMOVED
ANDREW - HBXX-6517
(3 TOTAL, 1 PER SECTOR)

(E) RRH TO REMAIN
SAMSUNG - RFV01U-D2A
(3 TOTAL, 1 PER SECTOR)

(E) ANTENNA TO REMAIN
COMMSCOPE - NHH-65B-R2B
(6 TOTAL, 2 PER SECTOR)

(E) RRH TO REMAIN
SAMSUNG - RFV01U-D1A
(3 TOTAL, 1 PER SECTOR)

2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

(E) ANTENNA TO REMAIN
AMPHENOL - BXA-70080-4BF-EDIN-0
(3 TOTAL, 1 PER SECTOR)

NEW ANTENNA
SAMSUNG - MT6407-77A
(3 TOTAL, 1 PER SECTOR)

NEW ANTENNA
SAMSUNG - XXDWMM-12.5-65-8T-CBRs
(3 TOTAL, 1 PER SECTOR)

(E) RRH TO REMAIN
SAMSUNG - RFV01U-D2A
(3 TOTAL, 1 PER SECTOR)

(E) ANTENNA TO REMAIN
COMMSCOPE - NHH-65B-R2B
(6 TOTAL, 2 PER SECTOR)

(E) RRH TO REMAIN
SAMSUNG - RFV01U-D1A
(3 TOTAL, 1 PER SECTOR)

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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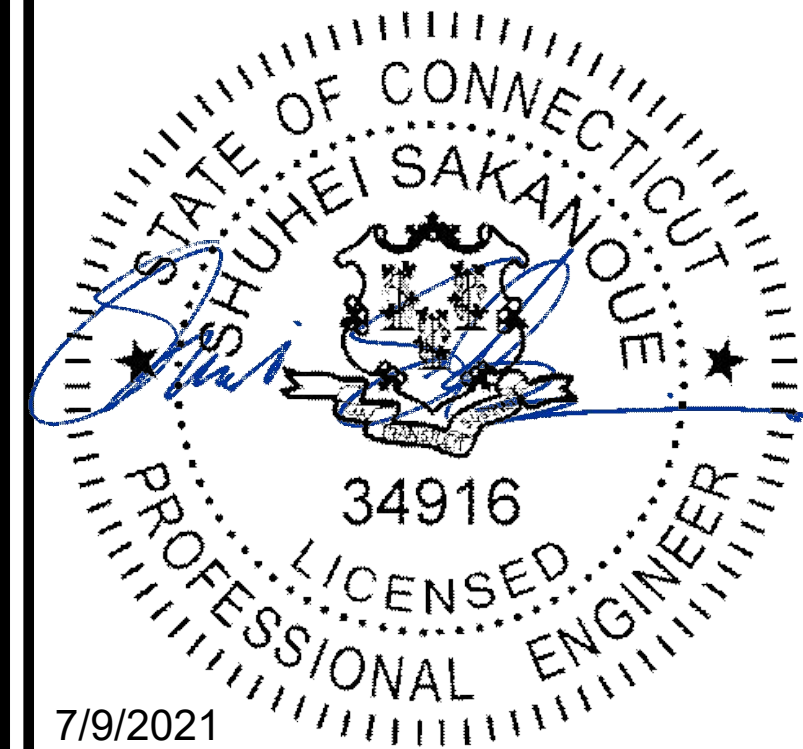
BU #: 842872
ROCKY HILL

52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067

EXISTING 182'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/14/2021	RCD	FINAL	--
1	07/07/2021	PEG	FINAL	--



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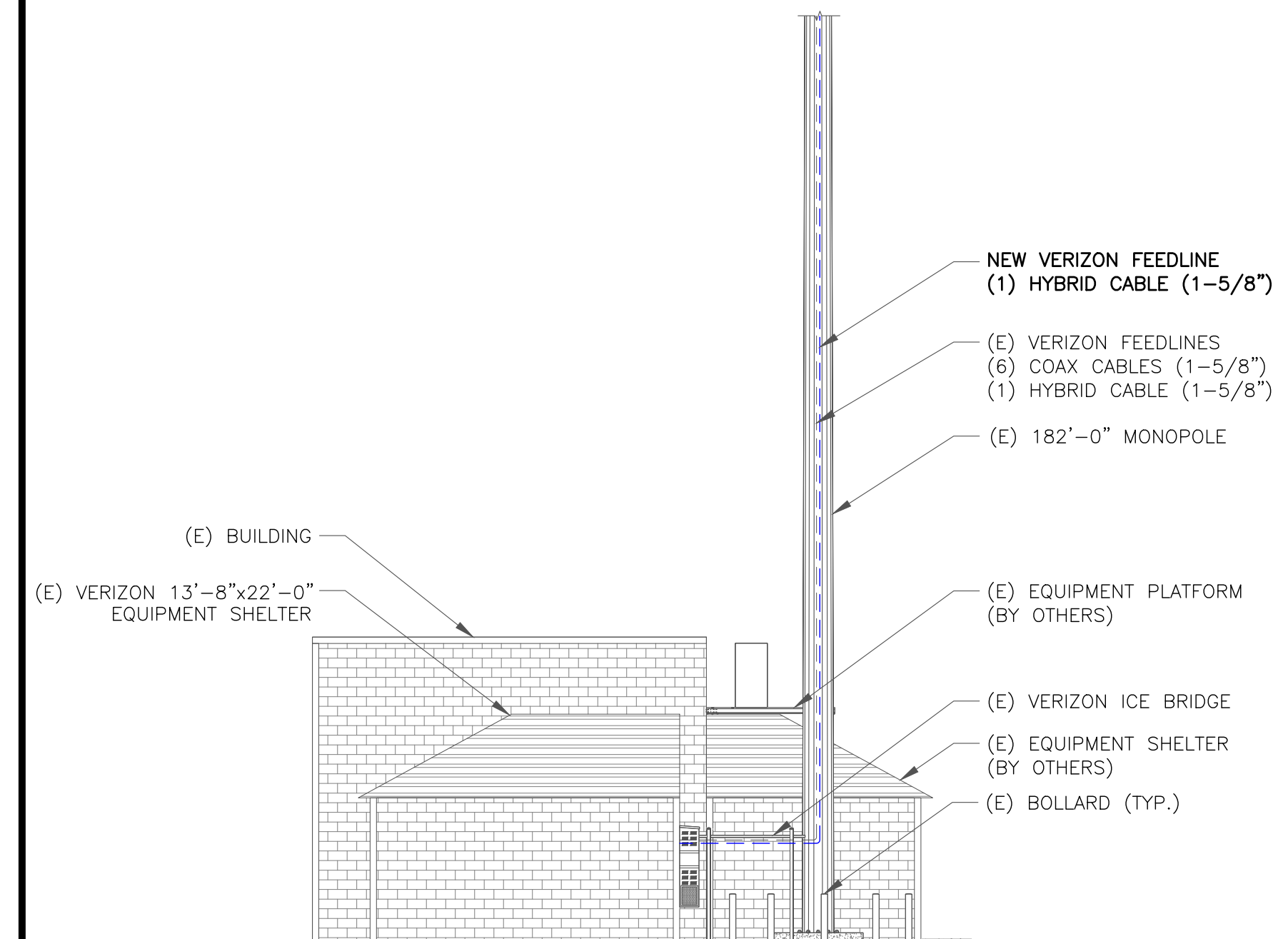
C-2

REVISION:

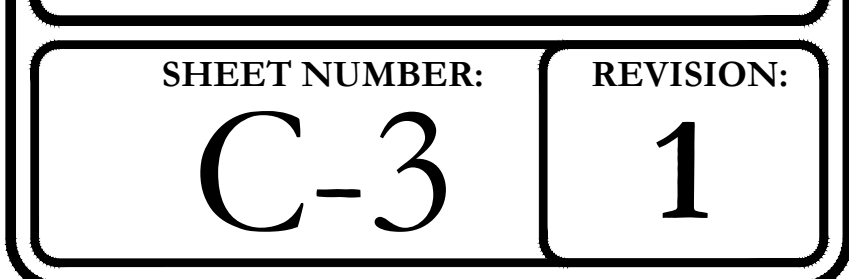
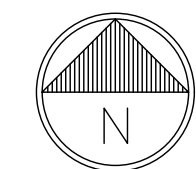
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ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	COMMSCOPE	(2) NHH-65B-R2B	90'-0"	30°	0°	4' / 4' / 2' / 2'	SAMSUNG SAMSUNG	(1) B2/B66A RRH-BR049 (1) B5/B13 RRH-BR04C
A2	NEW	SAMSUNG	CBRS	90'-0"	30°	0°	8°	-	-
A3	NEW	SAMSUNG	MT6407-77A	90'-0"	30°	0°	3°	-	-
A4	EXISTING	AMPHENOL	BXA-70080-4BF-EDIN-0	90'-0"	30°	8°	0°	RAYCAP	(1) RVZDC-3315-PF-48
B1	EXISTING	COMMSCOPE	(2) NHH-65B-R2B	90'-0"	150°	0°	9' / 9' / 4' / 4'	SAMSUNG SAMSUNG	(1) B2/B66A RRH-BR049 (1) B5/B13 RRH-BR04C
B2	NEW	SAMSUNG	CBRS	90'-0"	150°	0°	8°	-	-
B3	NEW	SAMSUNG	MT6407-77A	90'-0"	150°	0°	3°	-	-
B4	EXISTING	AMPHENOL	BXA-70080-4BF-EDIN-0	90'-0"	150°	8°	0°	-	-
C1	EXISTING	COMMSCOPE	(2) NHH-65B-R2B	90'-0"	270°	0°	4' / 4' / 2' / 2'	SAMSUNG SAMSUNG	(1) B2/B66A RRH-BR049 (1) B5/B13 RRH-BR04C
C2	NEW	SAMSUNG	CBRS	90'-0"	270°	0°	8°	-	-
C3	NEW	SAMSUNG	MT6407-77A	90'-0"	270°	0°	3°	-	-
C4	EXISTING	AMPHENOL	BXA-70080-4BF-EDIN-0	90'-0"	270°	8°	0°	-	-

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	140'-0"±	6
EXISTING	HYBRID	1-5/8"	140'-0"±	1
NEW	HYBRID	1-5/8"	140'-0"±	1
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



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VERIZON SITE NUMBER:
468685

BU #: 842872
ROCKY HILL

52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067

EXISTING 182'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/14/2021	RCD	FINAL	--
1	07/07/2021	PEG	FINAL	--

STATE OF CONNECTICUT
SHUHEI SAKANoue
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LICENSED PROFESSIONAL ENGINEER

7/9/2021

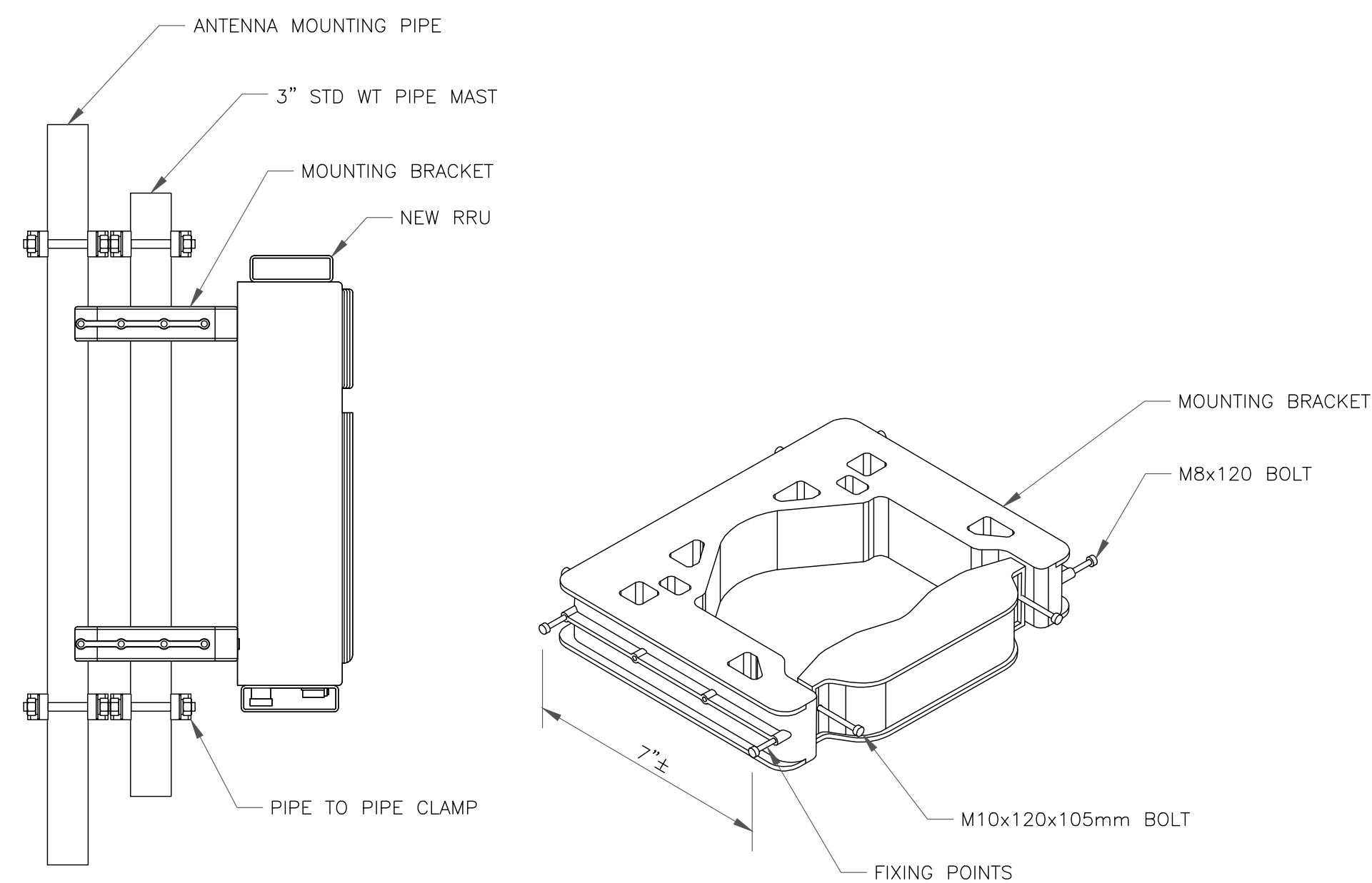
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SHEET NUMBER:
C-4

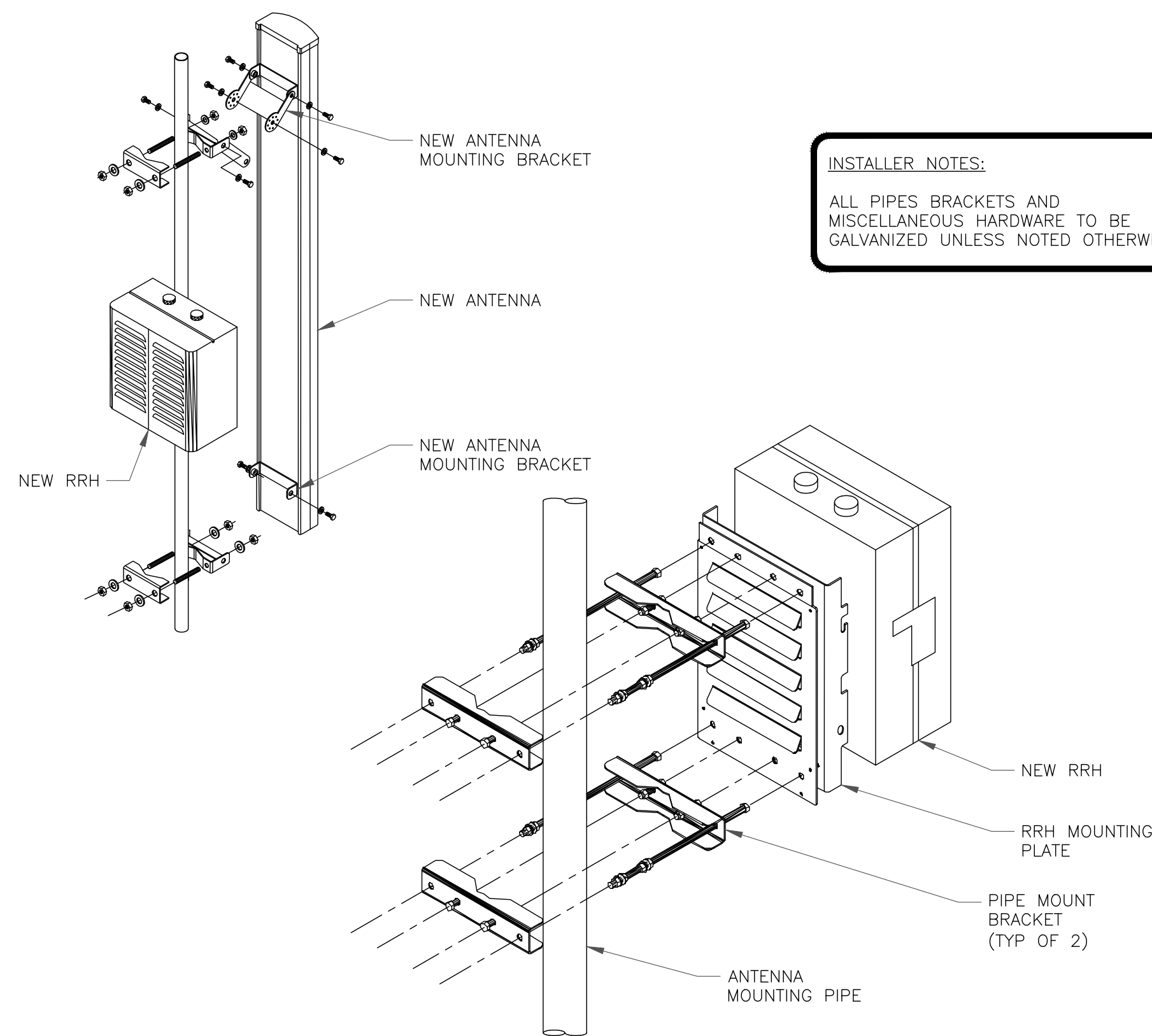
REVISION:
1

1 NOT USED
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



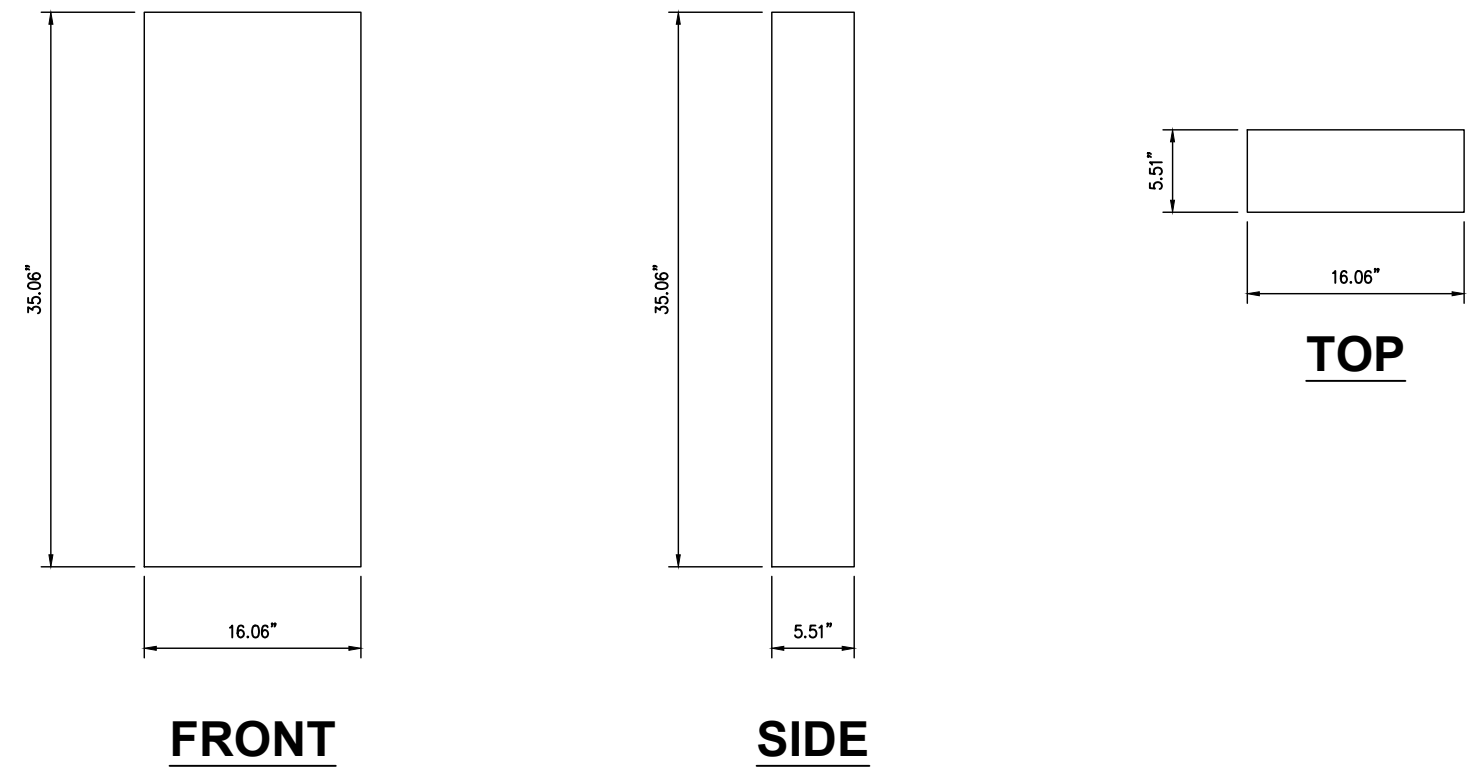
3 NOKIA – FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

SAMSUNG PANEL ANTENNA (MT6407-77A)

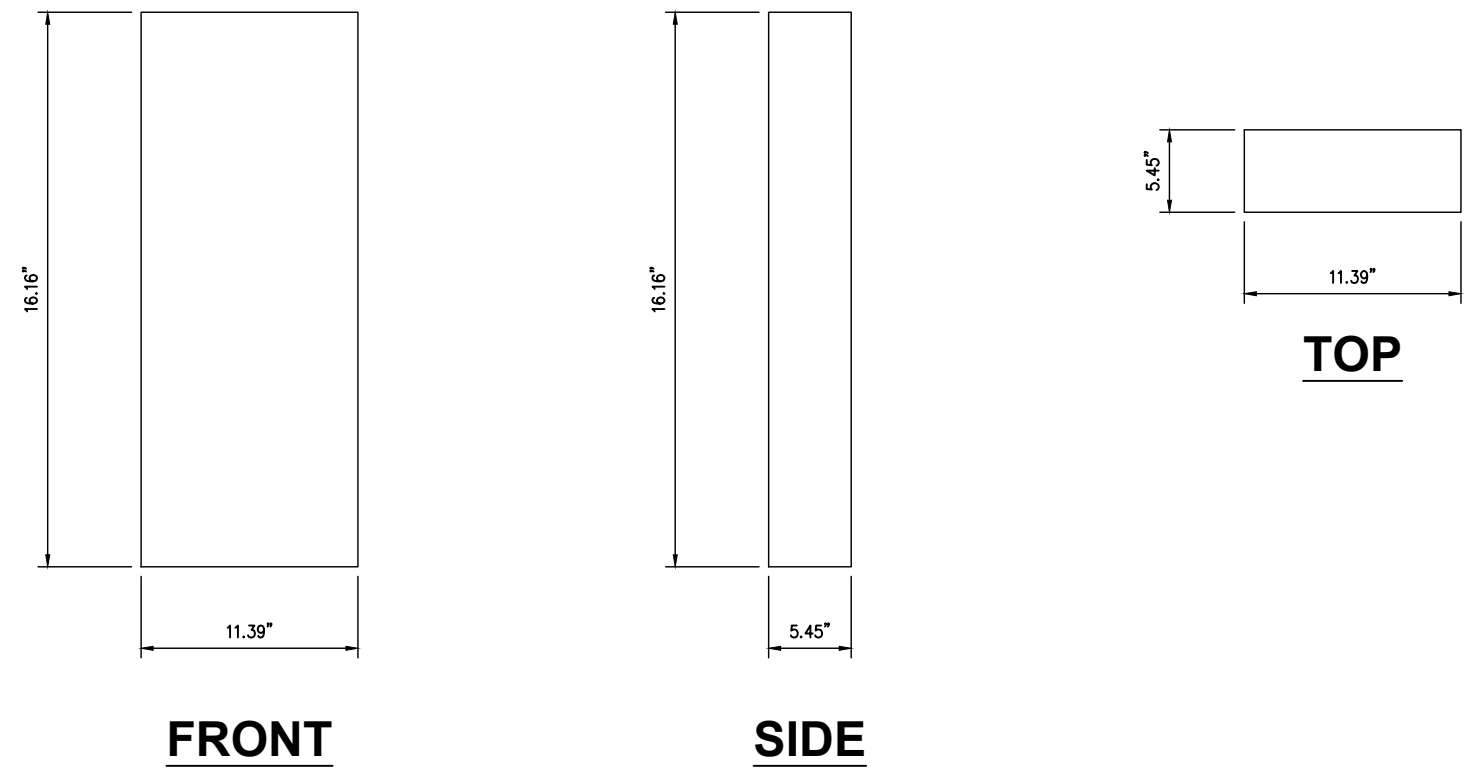
DIMENSIONS, HxWxD: 35.06"x16.06"x5.51"
WEIGHT, W/O BRACKETS: 81.57 lbs



1 SAMSUNG MT6407-77A ANTENNA DETAIL
SCALE: NOT TO SCALE

SAMSUNG PANEL ANTENNA (XXDWMM-12.5-65-8T-CBRS)

DIMENSIONS, HxWxD: 16.16"x11.39"x5.45"
WEIGHT, W/O BRACKETS: 23.00 lbs



2 SAMSUNG CBRS ANTENNA DETAIL
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468685

BU #: 842872
ROCKY HILL

52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067

EXISTING 182'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/14/2021	RCD	FINAL	--
1	07/07/2021	PEG	FINAL	--

STATE OF CONNECTICUT

SHUHEI SAKANoue

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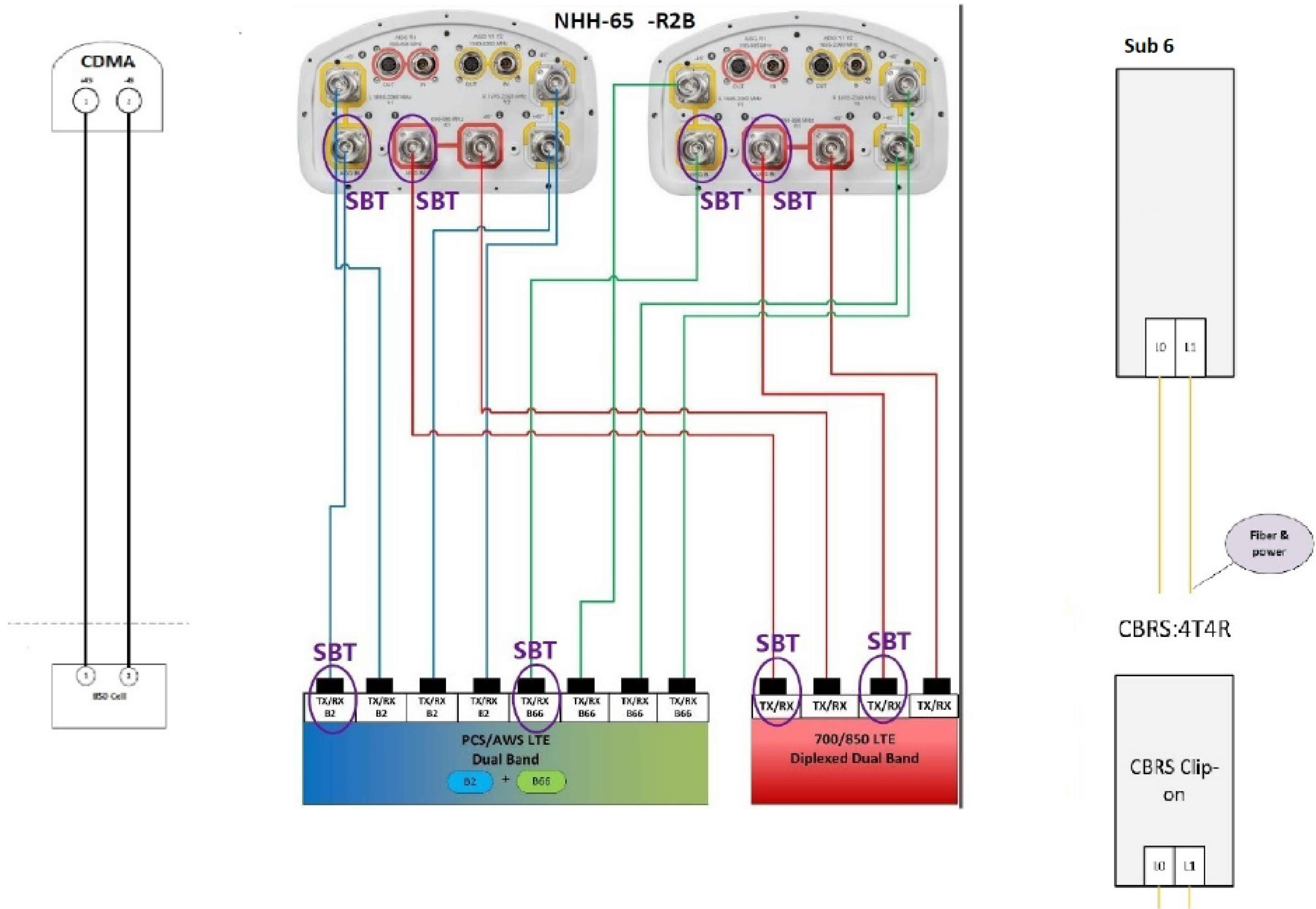
PROFESSIONAL ENGINEER

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C-5

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1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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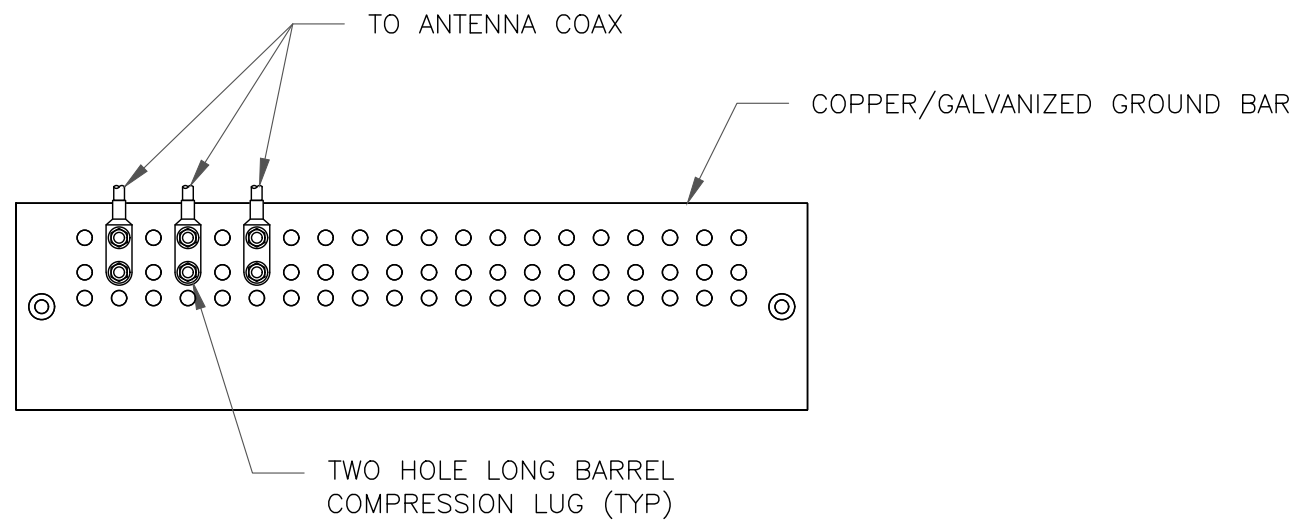
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VERIZON SITE NUMBER:
468685
BU #: 842872
ROCKY HILL
52 NEW BRITAIN AVENUE
ROCKY HILL, CT 06067
EXISTING 182'-0" MONOPOLE

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LICENSED PROFESSIONAL ENGINEER
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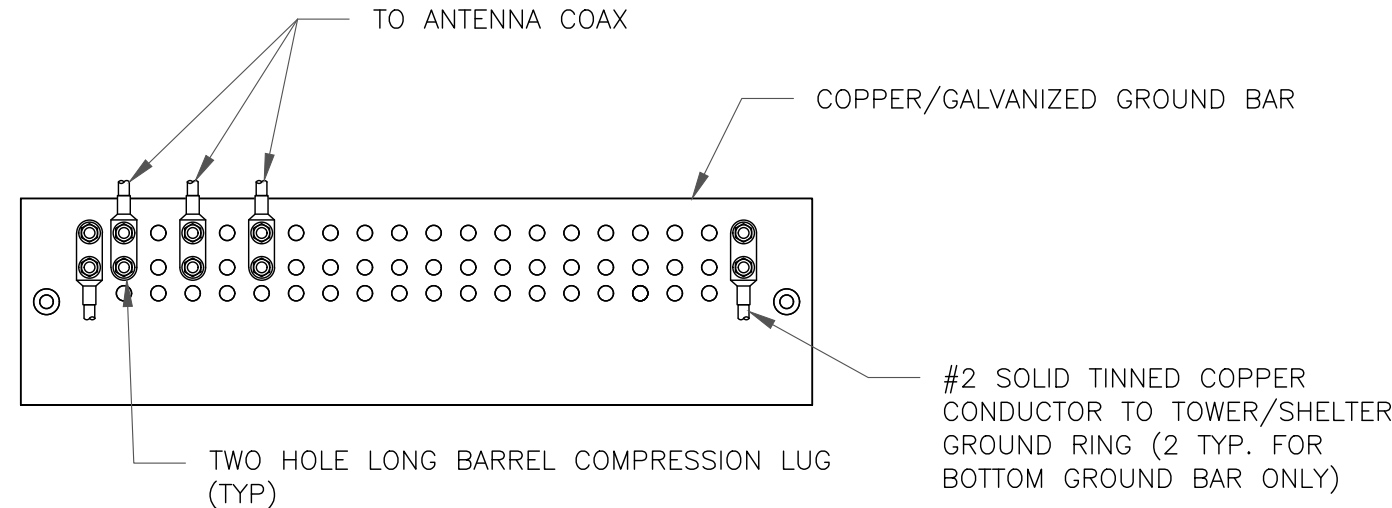
SHEET NUMBER: **C-6**
REVISION: **1**



NOTES:

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

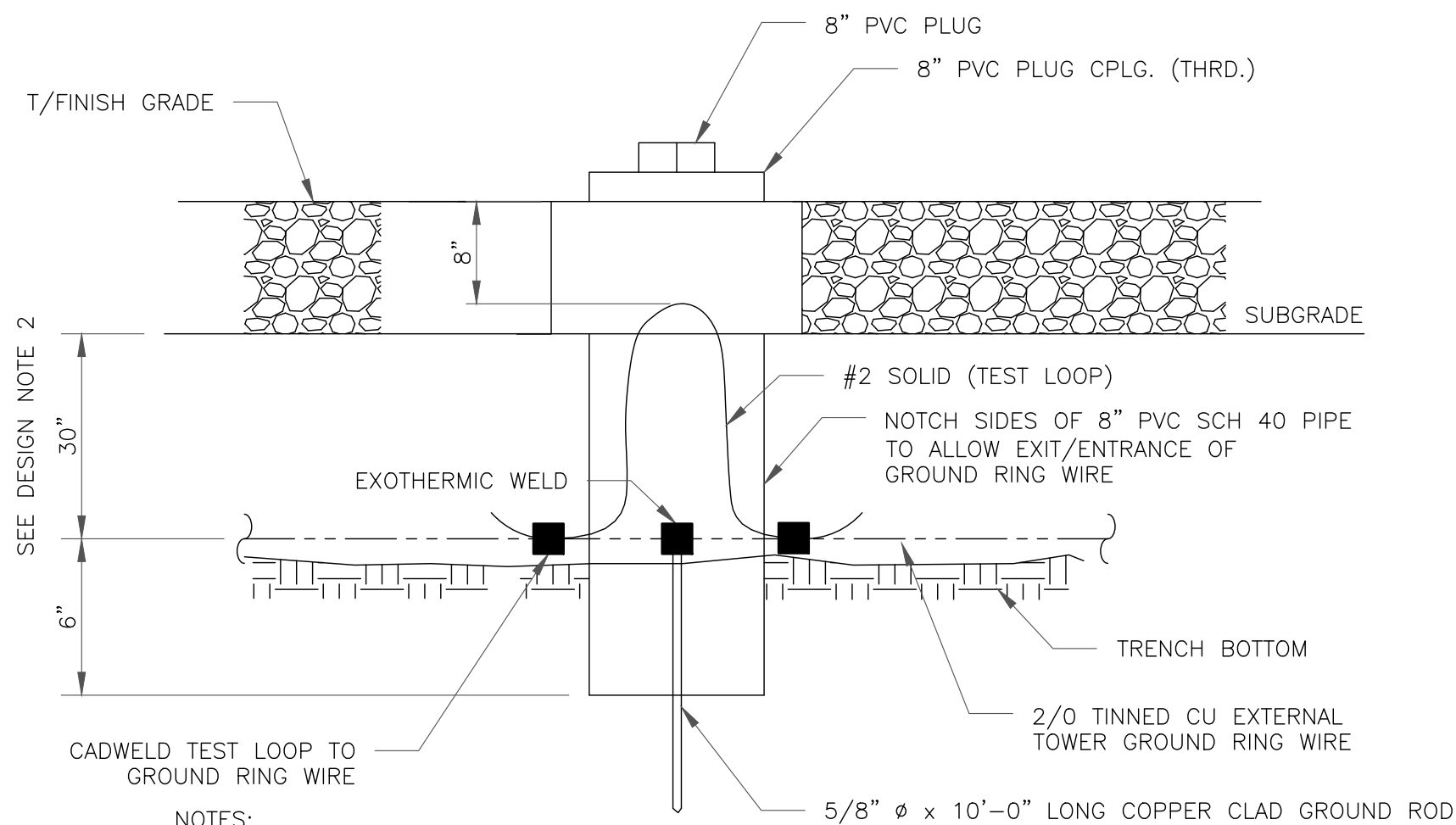
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

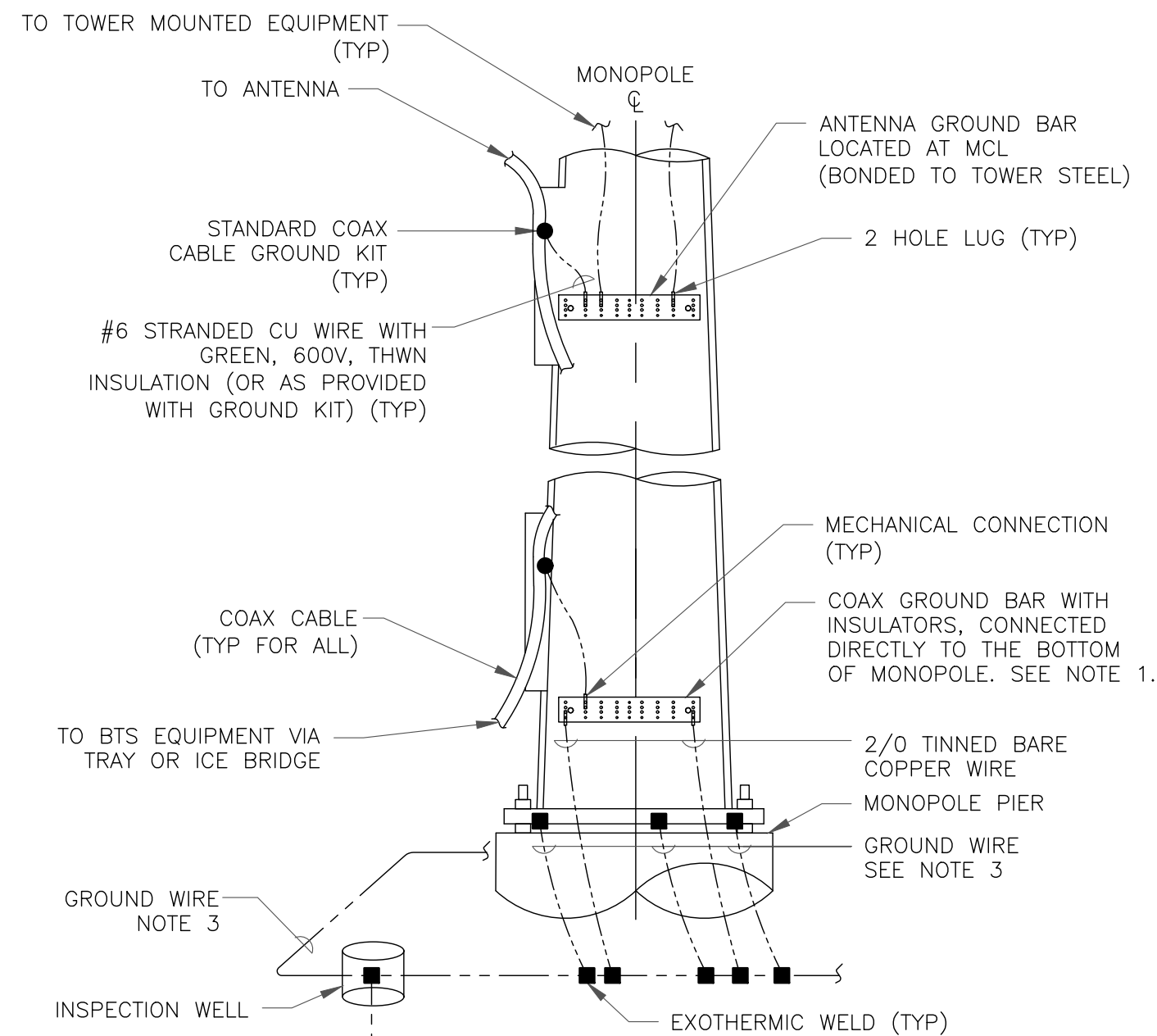
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

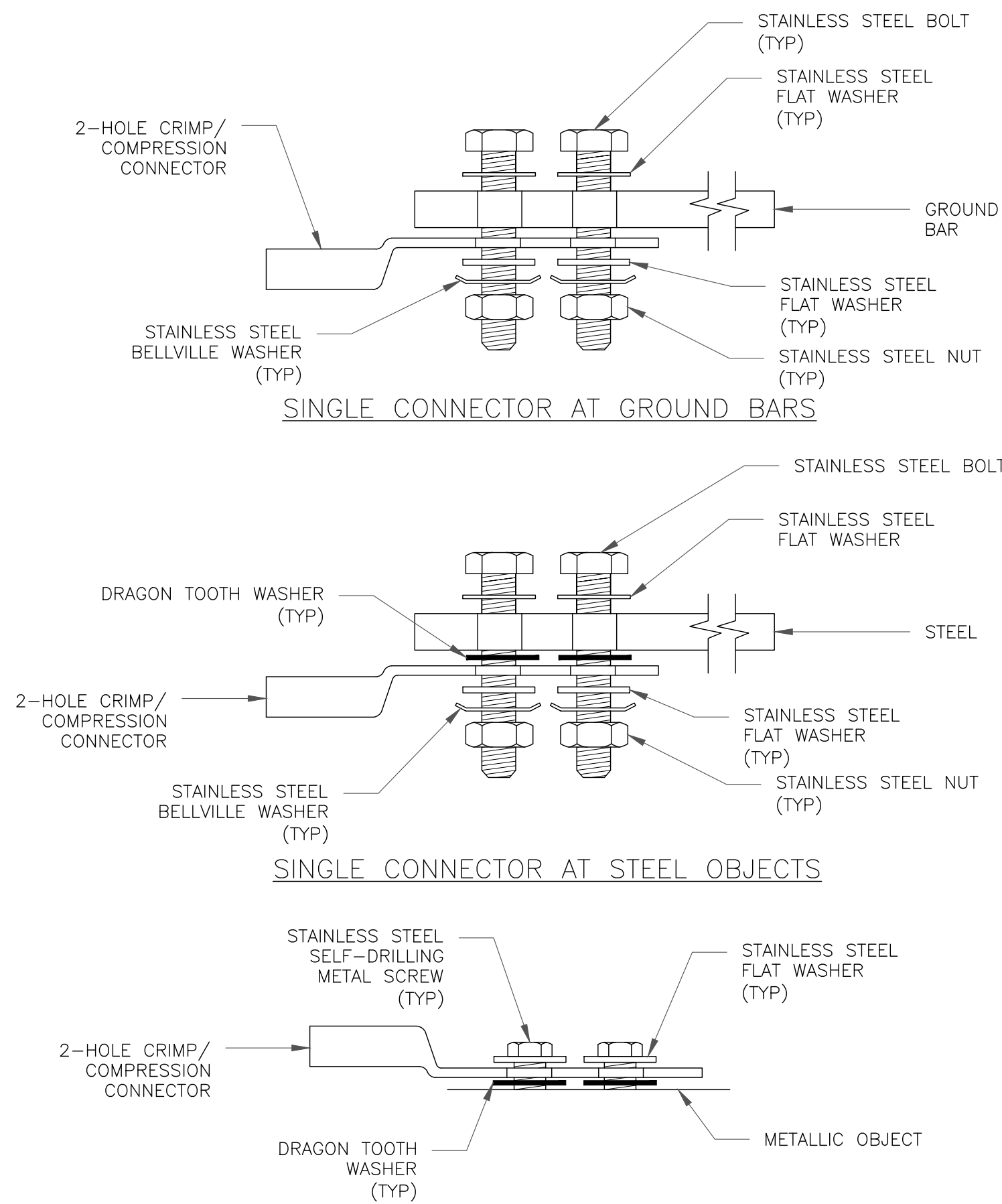
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



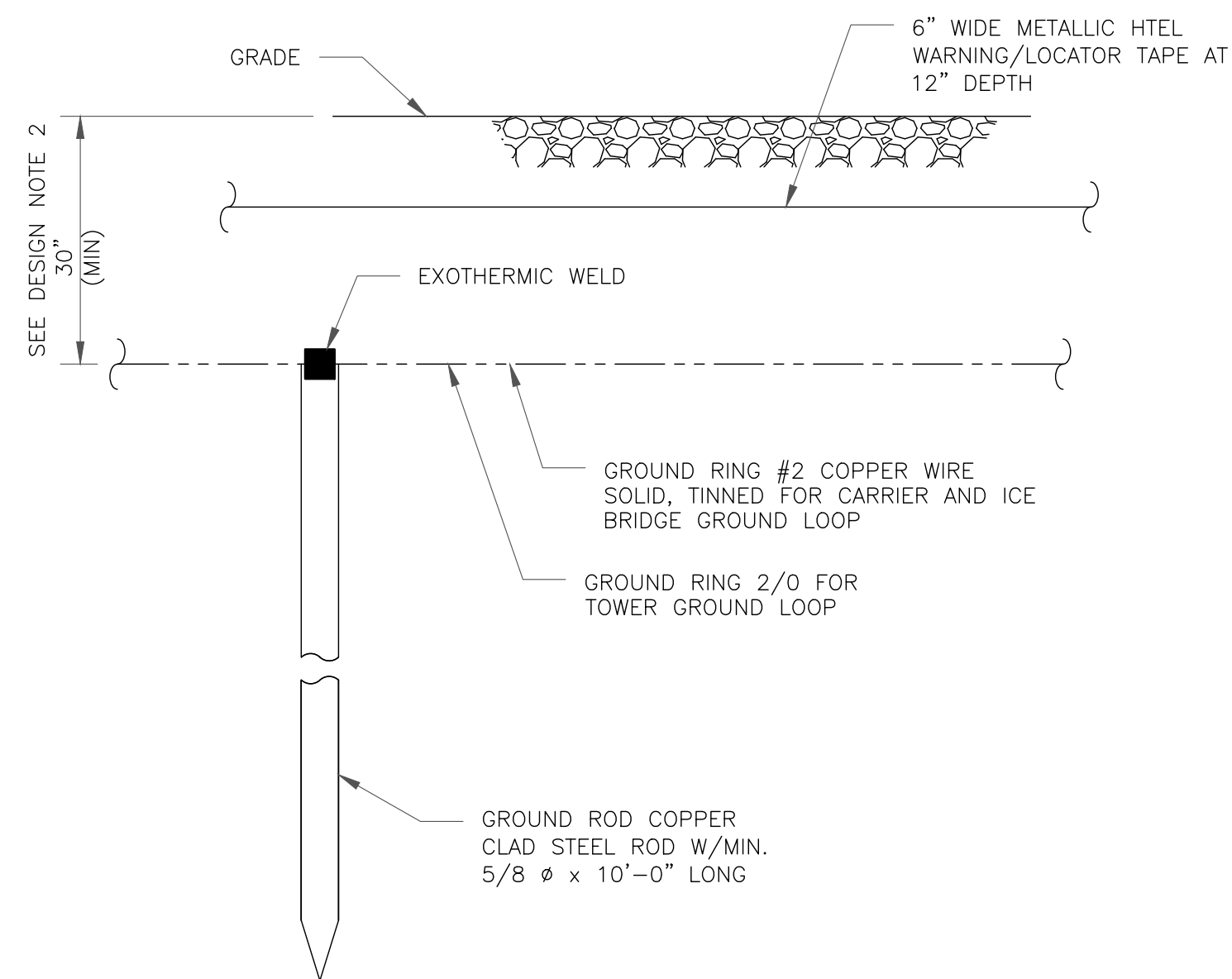
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **842872**
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ROCKY HILL, CT 06067

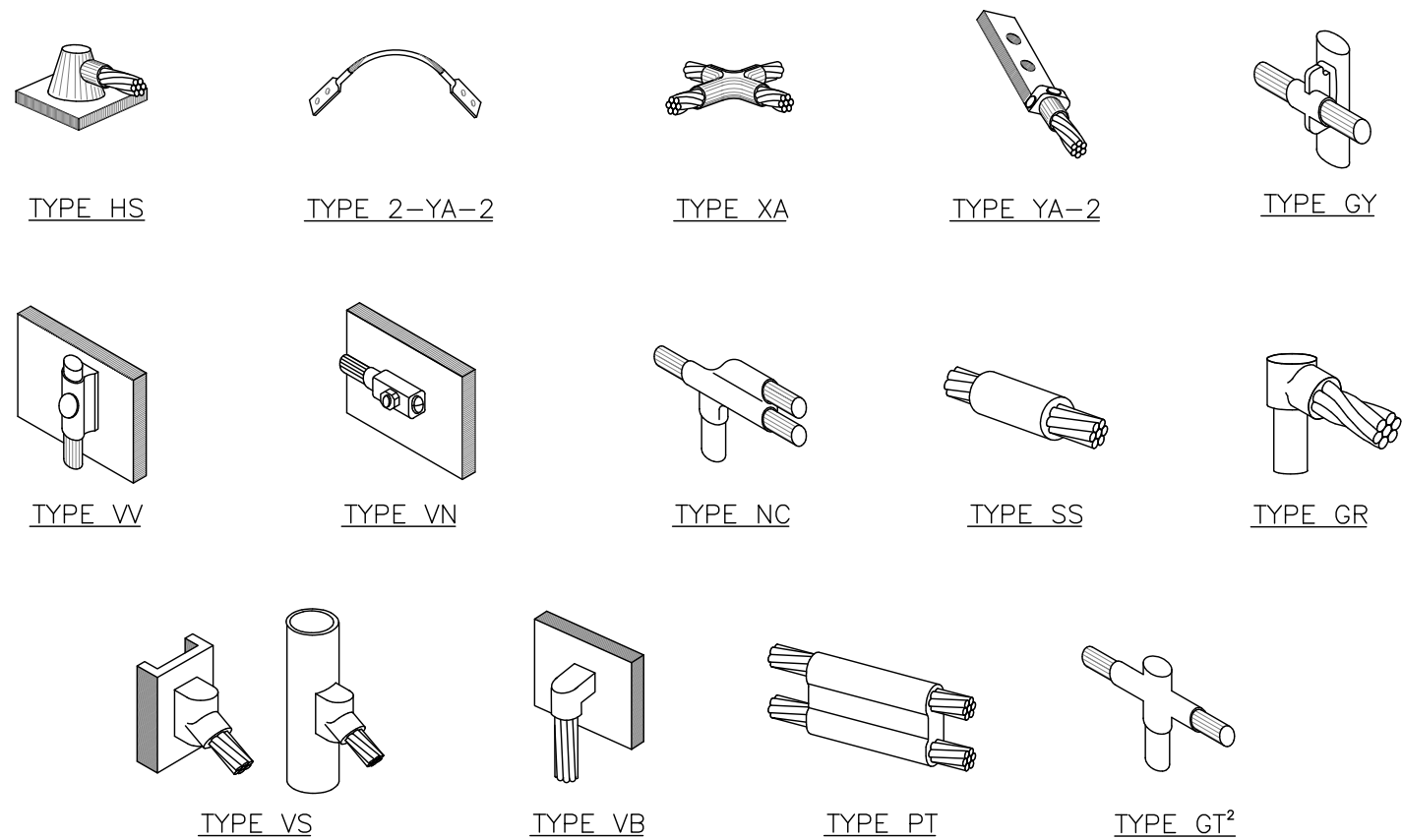
EXISTING 182'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/14/2021	RCD	FINAL	--
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STATE OF CONNECTICUT
SHUHEI SAKANAKU
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7/9/2021

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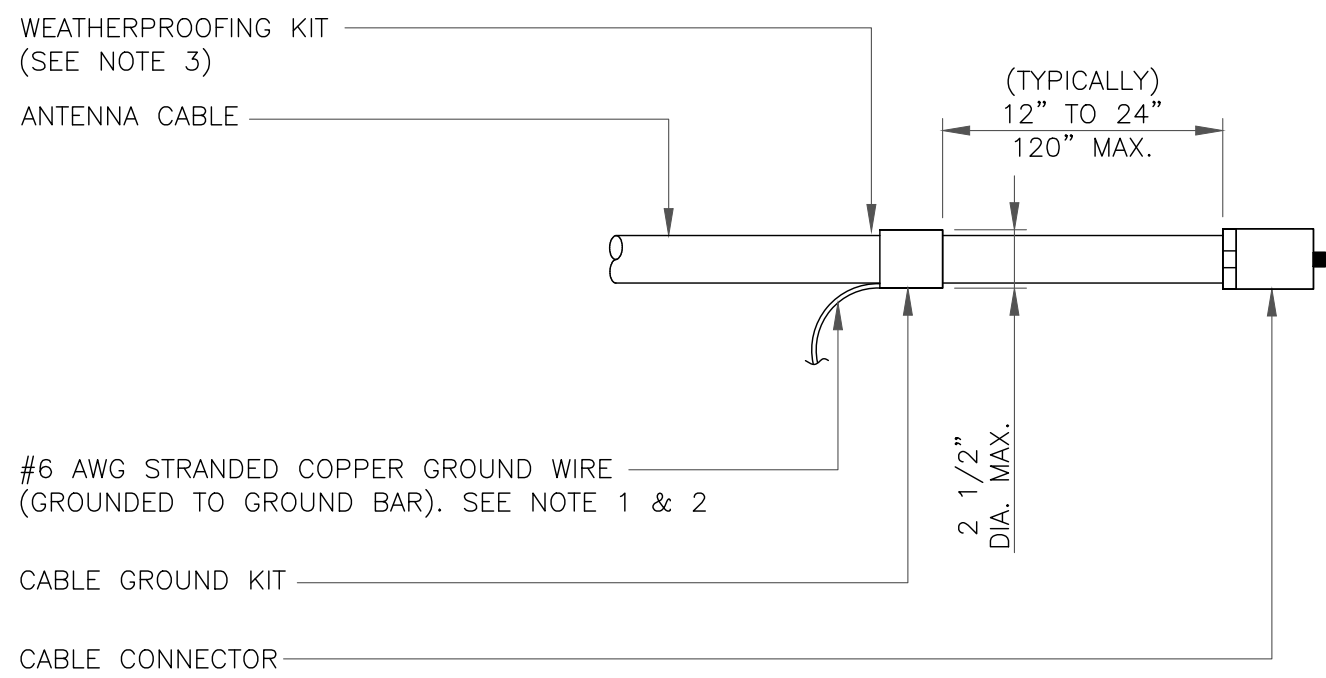
SHEET NUMBER: **G-1** REVISION: **1**



NOTE:

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

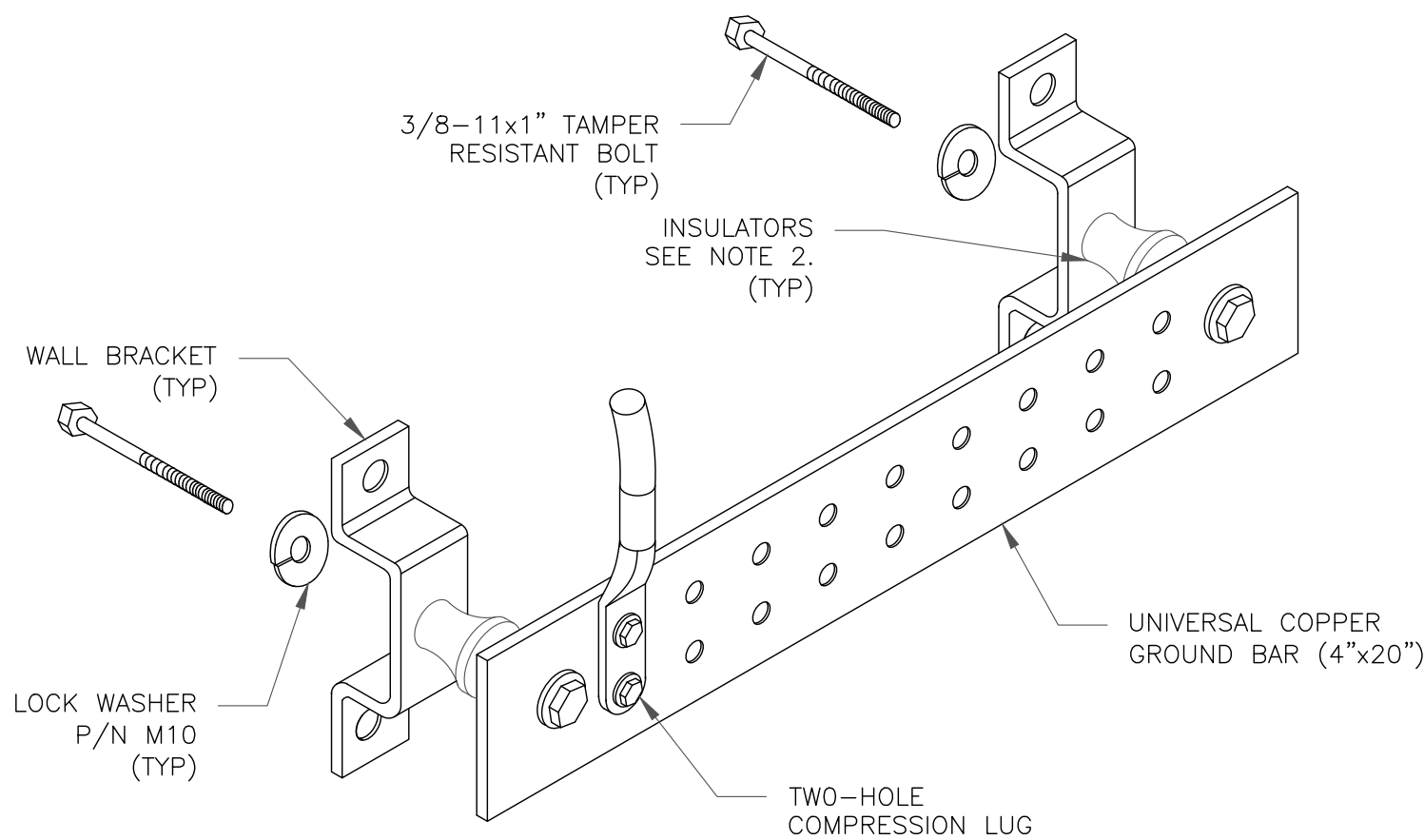
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

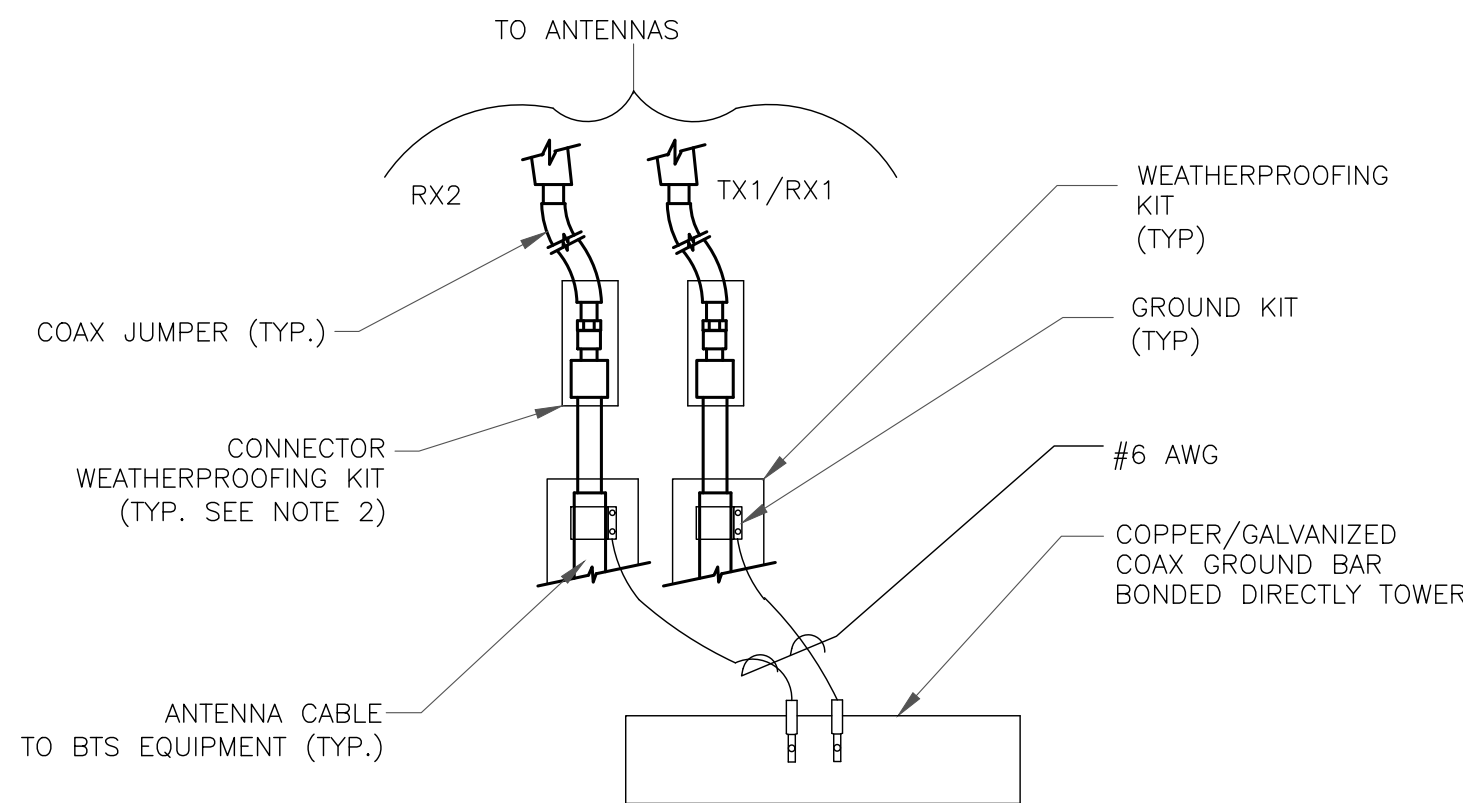
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

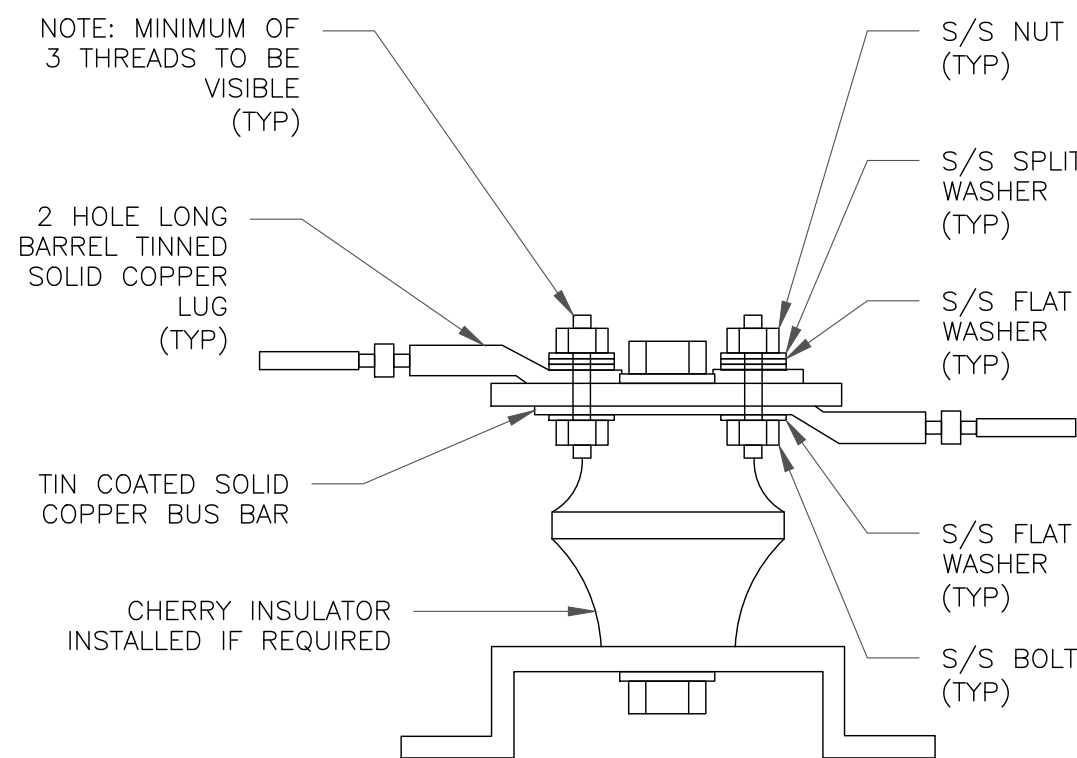
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

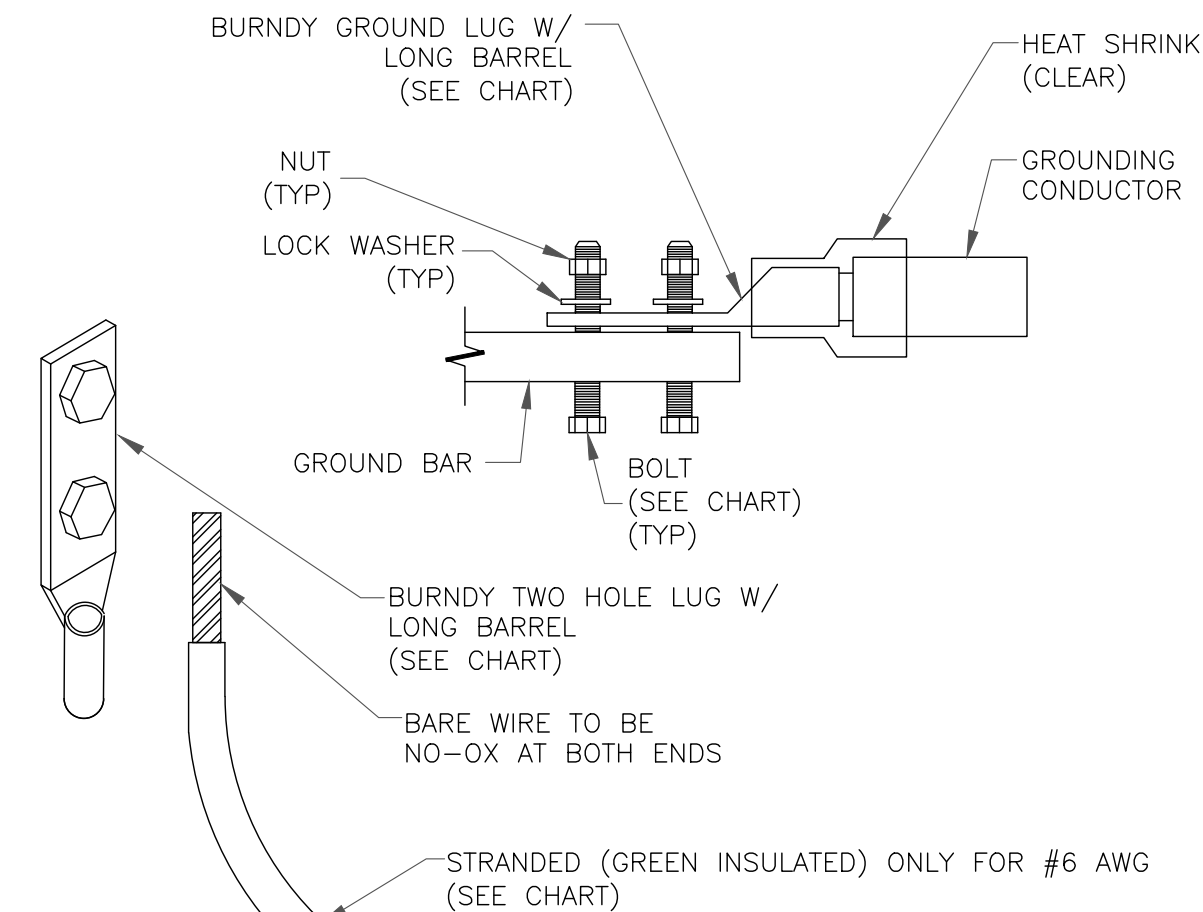
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

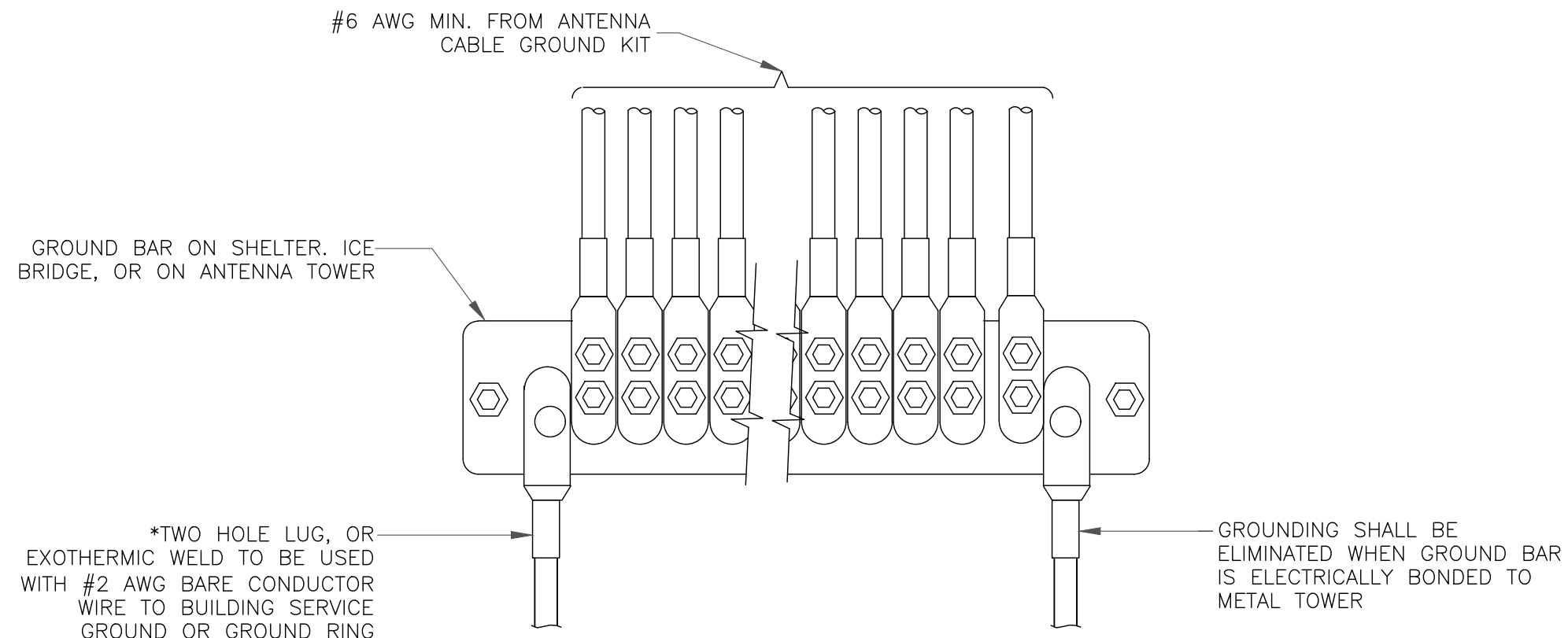
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



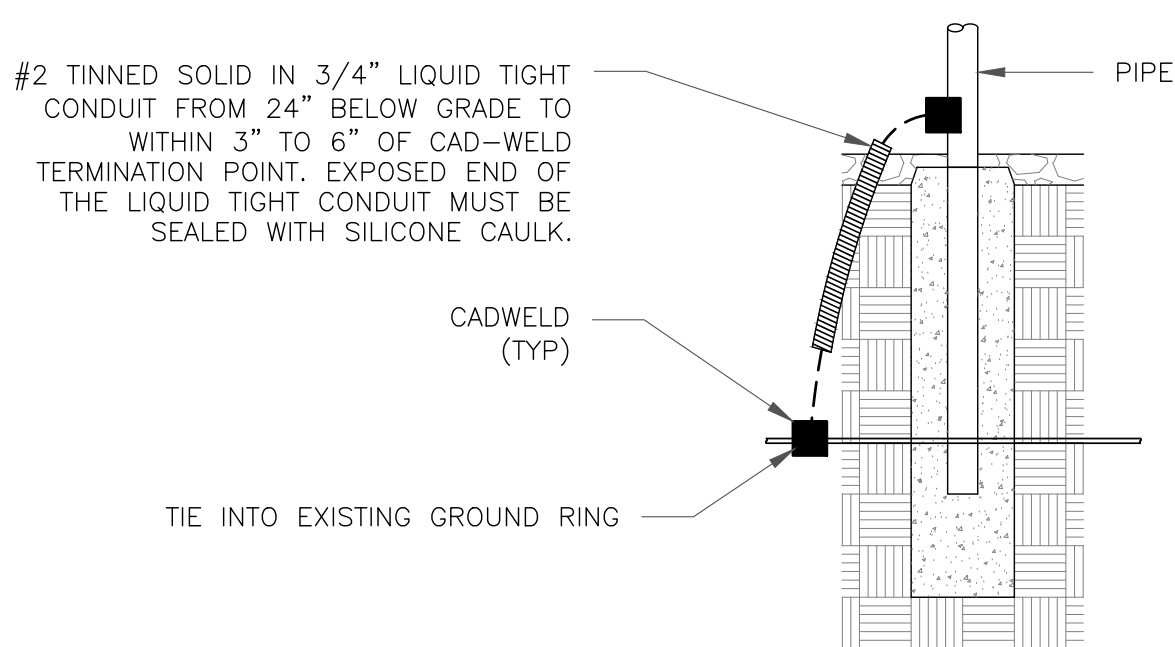
NOTES:

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

2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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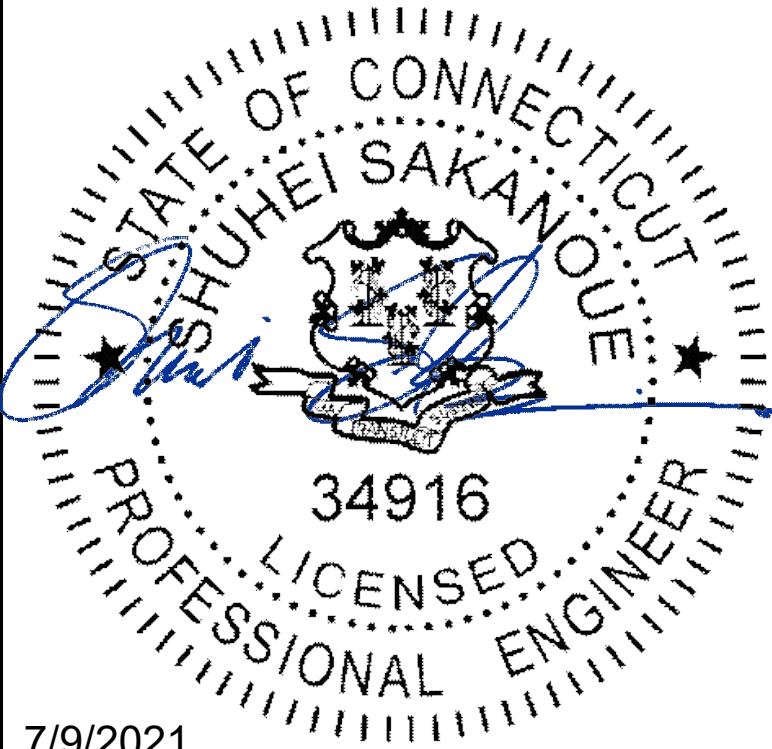
BU #: 842872
ROCKY HILL

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EXISTING 182'-0" MONOPOLE

ISSUED FOR:

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1	07/07/2021	PEG	FINAL	--



7/9/2021

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SHEET NUMBER:

G-2

REVISION:

1

Exhibit D

Structural Analysis Report



Date: **May 20, 2021**

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 468685
Site Name: Rocky Hill 3 CT

Crown Castle Designation: **BU Number:** 842872
Site Name: Rocky Hill
JDE Job Number: 667193
Work Order Number: 1962049
Order Number: 568277 Rev. 0

Engineering Firm Designation: **B+T Group Project Number:** 95171.020.01

Site Data: **52 New Britain Avenue, Rocky Hill, CT, Hartford County**
Latitude 41° 39' 36.89", Longitude -72° 40' 50.58"
182 Foot - Monopole

B+T Group is pleased to submit this "**Structural Analysis Report**" to determine the structural integrity of the above-mentioned tower.

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

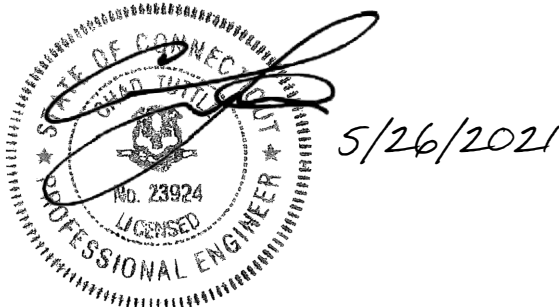
LC7: Proposed Equipment Configuration

Sufficient Capacity

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2018 Connecticut State Building Code(2015 IBC). Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural modification prepared by: Mahsa Abdeveis

Respectfully submitted by: B+T Engineering, Inc.
COA: PEC.0001564; Expires: 02/10/2022



Chad E. Tuttle, P.E.

tnxTower Report - version 8.0.9.0

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1) INTRODUCTION

This tower is a 182 ft. monopole designed by Engineered Endeavors, Inc. The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 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)
90.0	95.0	3	Site Pro 1	PRK-SFS-L Reinforcement Kit	7 1	1-5/8 1/2
	93.0	1	Site Pro 1	HRK12 Support Rail Kit		
	92.0	6	Samsung Telecomm.	MT6407-77A		
	90.0	3	Antel	BXA-70080-4BF-EDIN-0		
		6	Commscope	NHH-65B-R2B		
		1	GPS	GPS_A		
		1	RFS Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Telecomm.	RFV01U-D1A		
		3	Samsung Telecomm.	RFV01U-D2A		
		1	--	Platform Mount [LP 1201-1]		
	88.0	3	Samsung Telecomm.	CBRS		

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)
178.0	188.0	2	Dbspectra	DS4C06F36D-D	12	7/8
	185.0	1	Austin Antenna Company	APC-1362		
		1	Austin Antenna Company	APC-2163		
	184.0	1	Austin Antenna Company	APC-301		
		1	Austin Antenna Company	APC-4065		
	178.0	1	--	Miscellaneous [NA 502-3]		
168.0	177.0	2	Radiowaves	HPD2-4.7	6 4 4 3	1-5/8 7/8 3/4 3/8
	175.0	1	Telewave	ANT450D6-9		
	168.0	3	CCI Antennas	DMP65R-BU6D		
		3	CCI Antennas	HPA-65R-BUU-H6		
		4	CCI Antennas	TPX-070821		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B2_CCIV2		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	Ericsson	RRUS 32 B66		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14_CCIV2		
		3	Ericsson	RRUS E2 B29		
		3	Ericsson	RRUS-32 B30		
		3	Powerwave Technologies	7770.00		
		6	Powerwave Technologies	LGP21401		
		3	Quintel Technology	QS66512-2		
		1	Raycap	DC6-48-60-18-8C		
		2	Raycap	DC6-48-60-18-8C-EV		
		1	Raycap	DC6-48-60-18-8F		
		1	--	Platform Mount [LP 304-1_KCKR-HR-1]		
157.0	160.0	1	Site Pro 1	HRK12 Support Rail Kit	3	1-5/8
	159.0	3	Ericsson	AIR 32 B2A B66AA_T-MOBILE		
		3	Ericsson	AIR6449 B41_T-MOBILE		
		3	Ericsson	RADIO 4415 B25_TMO		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
	157.0	1	--	Platform Mount [LP 305-1]		
	155.0	1	Site Pro 1	PRK-SFS Reinforcement Kit		
142.0	144.0	3	Alcatel Lucent	1900MHZ RRH (65MHZ)	--	--
	142.0	1	--	Pipe Mount [PM 601-3]		
	140.0	3	Alcatel Lucent	800 External Notch Filter		
		3	Alcatel Lucent	800MHZ RRH		
140.0	142.0	3	Alcatel Lucent	TD-RRH8X20-25	3 1	1-1/4 7/8
		3	RFS Celwave	APXVSPP18-C-A20		
		3	RFS Celwave	APXVTM14-C-120		
	140.0	1	--	Platform Mount [LP 1201-1]		
73.0	75.0	1	GPS	GPS_A	1	1/2
	73.0	1	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	4844402	CCI Sites
Mount Modification Report	9712280	CCI Sites
Mount Modification Report	8874912	CCI Sites
Mount Modification Report	9136487	CCI Sites
Tower Modification Drawing	4740398	CCI Sites
Legacy Modification Inspection	6040534	CCI Sites
Tower Modification Drawing	4904956	CCI Sites
Post Modification Inspection	4904967	CCI Sites
Tower Modification Drawing	6525881	CCI Sites
Post Modification Inspection	6647989	CCI Sites
Foundation Drawing	4713252	CCI Sites
Geotech Report	4713251	CCI Sites
Crown CAD Package	Date: 03/02/2021	CCI Sites

3.1) Analysis Method

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

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the pole and in the reinforcing elements. These calculations are presented in Appendix C.

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. B+T Group should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	182 - 177	Pole	TP15.678x14.5x0.25	1	-0.717	--	5.0	Pass ¹
L2	177 - 172	Pole	TP16.856x15.678x0.25	2	-0.903	--	8.7	Pass ¹
L3	172 - 167	Pole	TP18.033x16.856x0.25	3	-5.111	--	15.3	Pass ¹
L4	167 - 162	Pole	TP19.211x18.033x0.25	4	-5.485	--	28.1	Pass ¹
L5	162 - 157	Pole	TP20.389x19.211x0.25	5	-5.919	--	38.2	Pass ¹
L6	157 - 152	Pole	TP21.567x20.389x0.25	6	-9.706	--	52.6	Pass ¹
L7	152 - 147	Pole	TP22.744x21.567x0.25	7	-10.310	--	62.8	Pass ¹
L8	147 - 142	Pole	TP23.922x22.744x0.25	8	-10.956	--	71.0	Pass ¹
L9	142 - 137	Pole	TP25.1x23.922x0.25	9	-15.132	--	81.0	Pass ¹
L10	137 - 136.83	Pole	TP26.023x25.1x0.25	10	-15.178	--	81.4	Pass ¹
L11	136.83 - 131.83	Pole	TP25.805x24.639x0.375	11	-16.306	--	61.7	Pass ¹
L12	131.83 - 126.83	Pole	TP26.972x25.805x0.375	12	-17.250	--	65.9	Pass ¹
L13	126.83 - 121.83	Pole	TP28.138x26.972x0.375	13	-18.226	--	69.4	Pass ¹
L14	121.83 - 116.83	Pole	TP29.305x28.138x0.375	14	-19.237	--	72.2	Pass ¹
L15	116.83 - 111.83	Pole	TP30.471x29.305x0.375	15	-20.281	--	74.5	Pass ¹
L16	111.83 - 106.83	Pole	TP31.638x30.471x0.375	16	-21.358	--	76.4	Pass ¹
L17	106.83 - 101.83	Pole	TP32.804x31.638x0.375	17	-22.465	--	77.9	Pass ¹
L18	101.83 - 96.83	Pole	TP33.971x32.804x0.375	18	-23.605	--	79.2	Pass ¹
L19	96.83 - 92.47	Pole	TP36.16x33.971x0.375	19	-24.970	--	80.1	Pass ¹
L20	92.47 - 86.45	Pole	TP35.642x34.239x0.375	20	-31.573	--	85.8	Pass ¹
L21	86.45 - 85	Pole	TP35.98x35.642x0.375	21	-31.936	--	86.3	Pass ¹
L22	85 - 84.75	Pole	TP36.038x35.98x0.375	22	-32.032	--	86.4	Pass ¹
L23	84.75 - 79.75	Pole	TP37.203x36.038x0.375	23	-33.328	--	88.5	Pass ¹
L24	79.75 - 75	Pole	TP38.31x37.203x0.375	24	-34.602	--	90.3	Pass ¹
L25	75 - 74.75	Pole + Reinf.	TP38.369x38.31x0.7	25	-34.726	--	77.9	Pass ¹
L26	74.75 - 74	Pole + Reinf.	TP38.543x38.369x0.7	26	-35.011	--	78.2	Pass ¹
L27	74 - 73.75	Pole	TP38.602x38.543x0.375	27	-35.084	--	90.8	Pass ¹
L28	73.75 - 68.75	Pole	TP39.767x38.602x0.375	28	-36.522	--	92.4	Pass ¹
L29	68.75 - 63.75	Pole	TP40.932x39.767x0.375	29	-37.936	--	93.9	Pass ¹
L30	63.75 - 58.75	Pole	TP42.098x40.932x0.375	30	-39.380	--	95.3	Pass ¹
L31	58.75 - 53.75	Pole	TP43.263x42.098x0.375	31	-40.854	--	96.5	Pass ¹
L32	53.75 - 49.08	Pole	TP45.804x43.263x0.375	32	-42.253	--	97.6	Pass ¹
L33	49.08 - 41.85	Pole	TP45.281x43.602x0.4375	33	-45.898	--	83.9	Pass ¹
L34	41.85 - 36.85	Pole	TP46.442x45.281x0.4375	34	-47.609	--	84.5	Pass ¹
L35	36.85 - 31.85	Pole	TP47.604x46.442x0.4375	35	-49.355	--	85.1	Pass ¹
L36	31.85 - 26.85	Pole	TP48.765x47.604x0.4375	36	-51.133	--	85.6	Pass ¹
L37	26.85 - 21.85	Pole	TP49.926x48.765x0.4375	37	-52.944	--	86.0	Pass ¹

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L38	21.85 - 16.85	Pole	TP51.087x49.926x0.4375	38	-54.788	--	86.4	Pass ¹
L39	16.85 - 11.85	Pole	TP52.248x51.087x0.4375	39	-56.664	--	86.8	Pass ¹
L40	11.85 - 6.85	Pole	TP53.41x52.248x0.4375	40	-58.572	--	87.2	Pass ¹
L41	6.85 - 1.85	Pole	TP54.571x53.41x0.4375	41	-60.512	--	87.5	Pass ¹
L42	1.85 - 0	Pole	TP55x54.571x0.4375	42	-61.221	--	87.6	Pass ¹
							Summary	
						Pole (L32)	97.6	Pass ¹
						Rating =	97.6	Pass ¹

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	Base	95.4	Pass
1	Base Plate	Base	89.8	Pass
1	Base Foundation (Structure)	Base	93.3	Pass
1	Base Foundation (Soil Interaction)	Base	65.1	Pass

Structure Rating (max from all components) =	97.6%
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Notes:

- 1) See additional documentation in "Appendix C - Additional Calculations" for calculations supporting the % capacity consumed.
- 2) Rating per TIA-222-H Section 15.5.

4.1) Recommendations

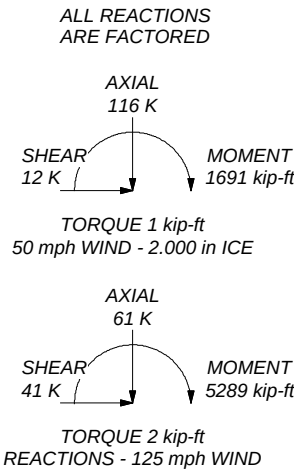
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

MATERIAL STRENGTH

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 2.00 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 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 97.6%



 B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job: 95171.020.01 - Rocky Hill, CT (BU# 842872)		
	Project:		
	Client: Crown Castle	Drawn by: Bhushan	App'd:
	Code: TIA-222-H	Date: 05/20/21	Scale: NTS
	Path:		Dwg No. E-1

Vx

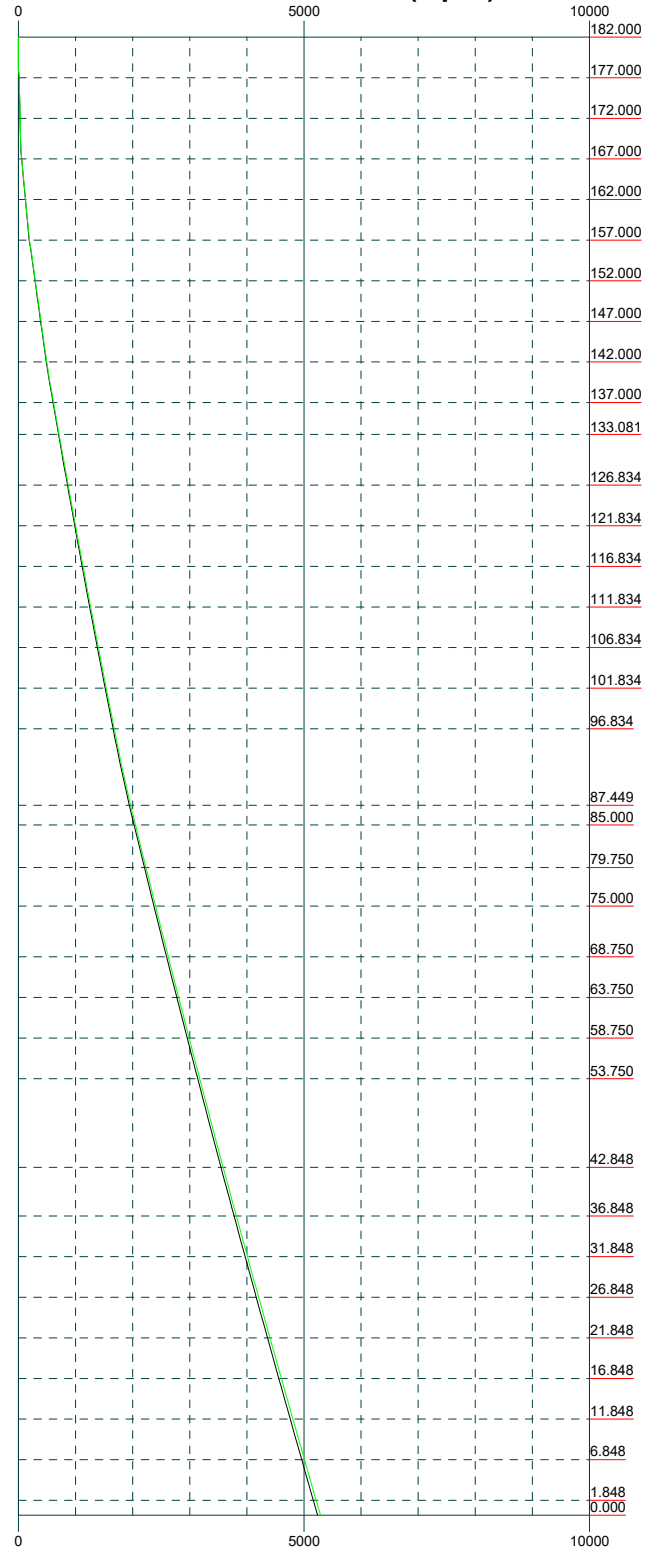
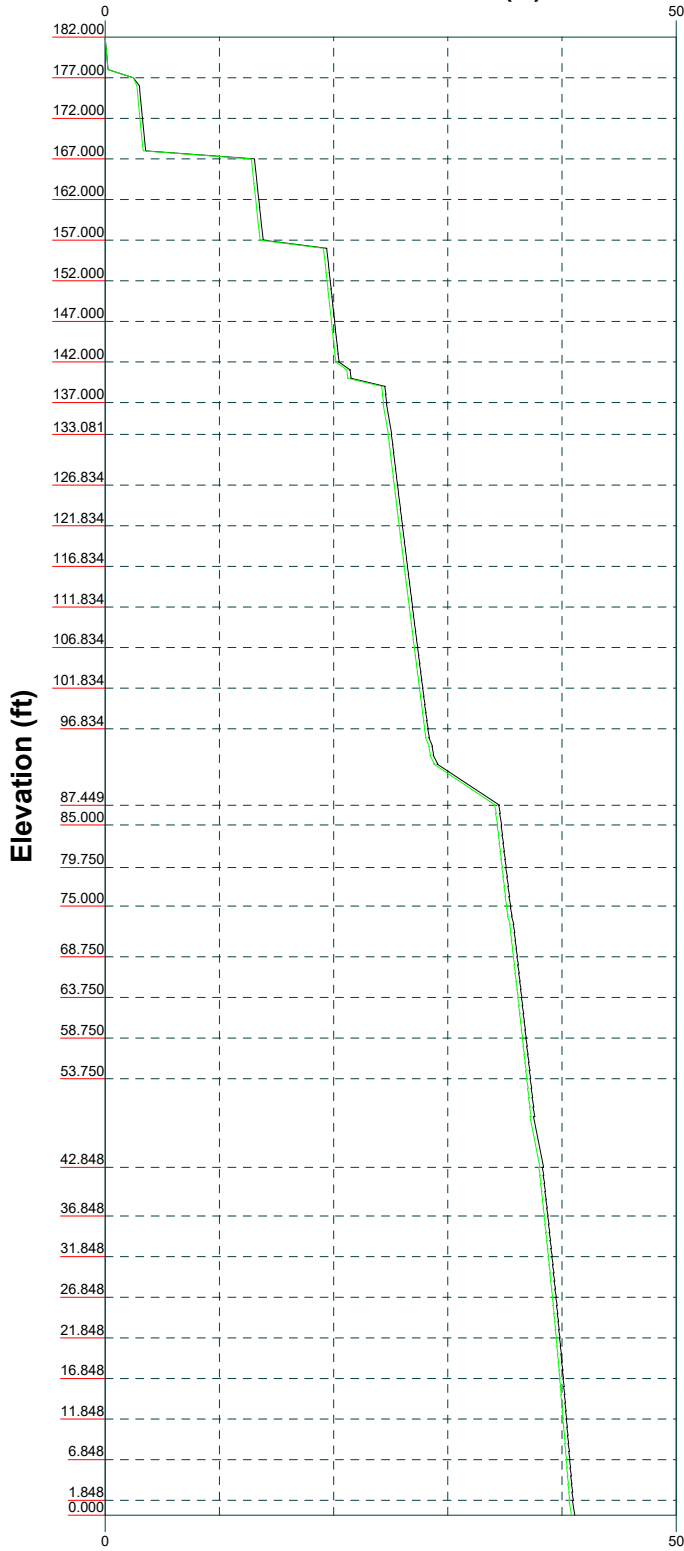
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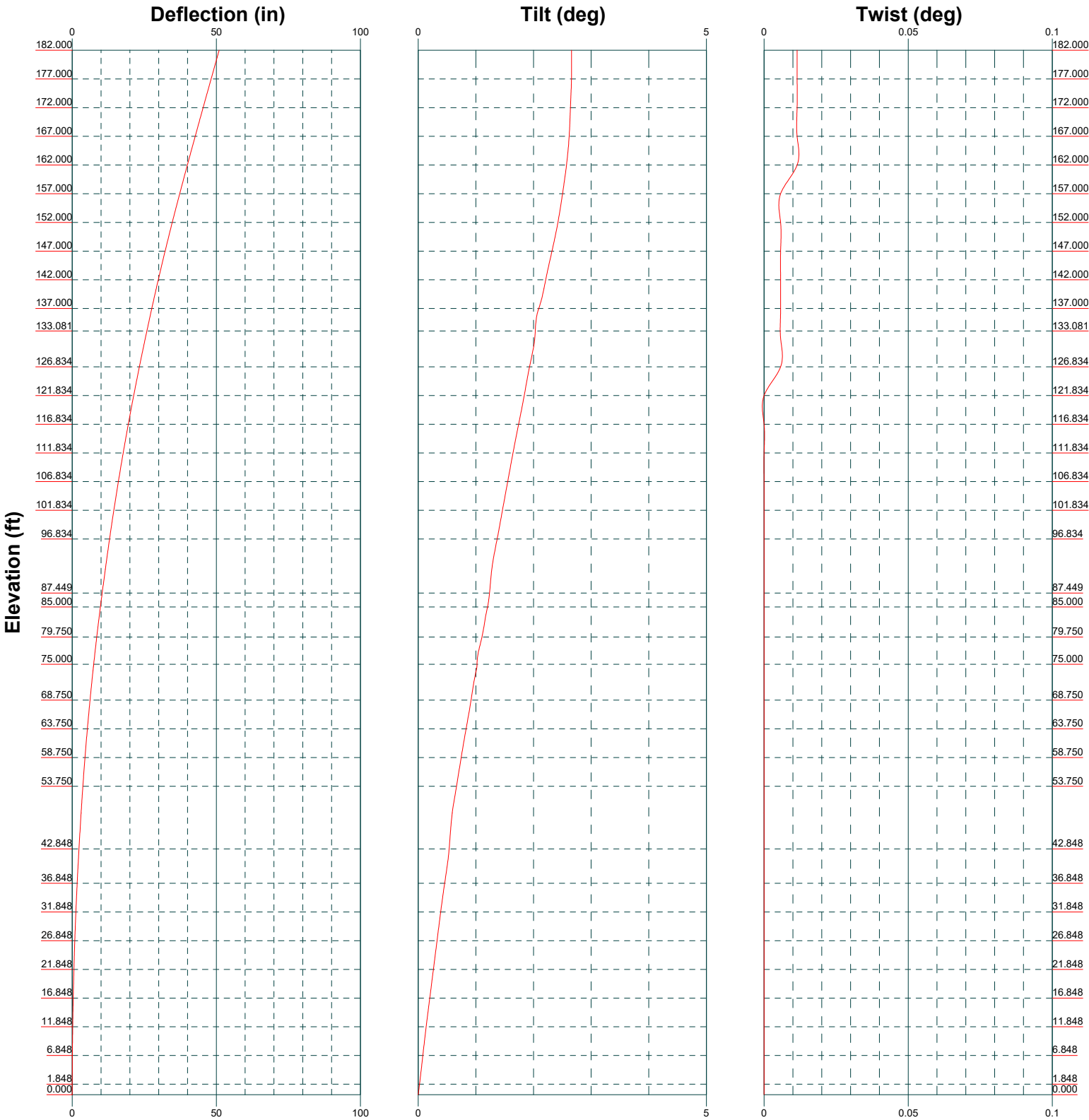
Mx

Mz

Global Mast Shear (K)

Global Mast Moment (kip-ft)

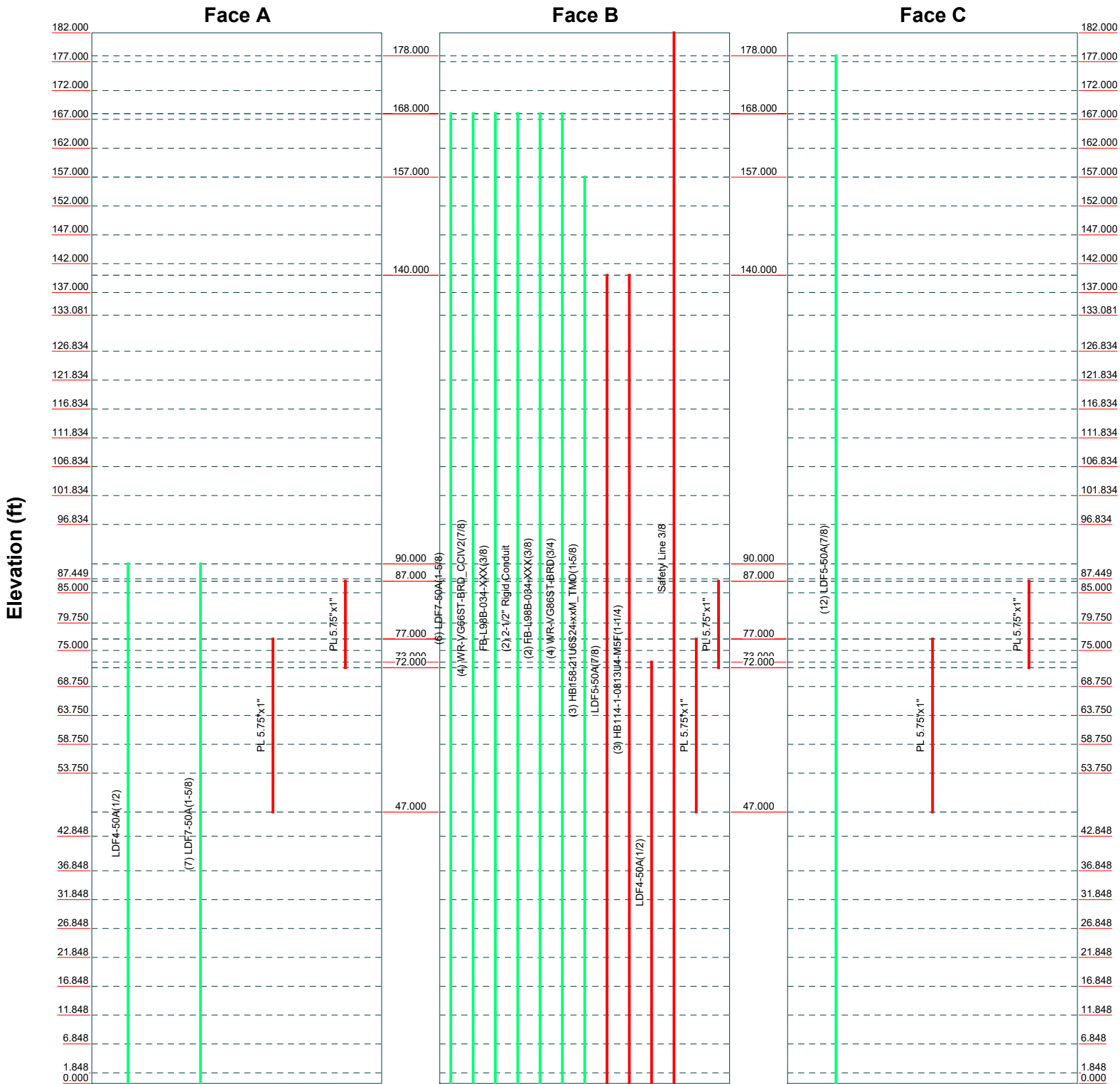




Feed Line Distribution Chart

0' - 182'

Round Flat App In Face App Out Face Truss Leg



B+T Group
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Job: 95171.020.01 - Rocky Hill, CT (BU# 842872)		
Project:		
Client: Crown Castle	Drawn by: Bhushan	App'd:
Code: TIA-222-H	Date: 05/20/21	Scale: NTS
Path:	Dwg No. E-7	

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tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 95171.020.01 - Rocky Hill, CT (BU# 842872)	Page 1 of 60
	Project	Date 16:19:04 05/20/21
	Client Crown Castle	Designed by Bhushan

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

- 1) Tower is located in Hartford County, Connecticut.
- 2) Tower base elevation above sea level: 199.000 ft.
- 3) Basic wind speed of 125 mph.
- 4) Risk Category II.
- 5) Exposure Category C.
- 6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- 7) Topographic Category: 1.
- 8) Crest Height: 0.000 ft.
- 9) Nominal ice thickness of 2.000 in.
- 10) Ice thickness is considered to increase with height.
- 11) Ice density of 56.000 pcf.
- 12) A wind speed of 50 mph is used in combination with ice.
- 13) Temperature drop of 50.000 °F.
- 14) Deflections calculated using a wind speed of 60 mph.
- 15) TIA-222-H Annex S.
- 16) A non-linear (P-delta) analysis was used.
- 17) Pressures are calculated at each section.
- 18) Stress ratio used in pole design is 1.
- 19) Tower analysis based on target reliabilities in accordance with Annex S.
- 20) Load Modification Factors used: $K_{cs}(F_w) = 0.95$, $K_{cs}(t_i) = 0.85$.
- 21) Maximum demand-capacity ratio is: 1.05.
- 22) 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	Retention 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

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	95171.020.01 - Rocky Hill, CT (BU# 842872)	2 of 60
	Project	Date
	Client	Designed by
	Crown Castle	Bhushan

Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	182.000-177.000	5.000	0.000	18	14.500	15.678	0.250	1.000	A572-65 (65 ksi)
L2	177.000-172.000	5.000	0.000	18	15.678	16.856	0.250	1.000	A572-65 (65 ksi)
L3	172.000-167.000	5.000	0.000	18	16.856	18.033	0.250	1.000	A572-65 (65 ksi)
L4	167.000-162.000	5.000	0.000	18	18.033	19.211	0.250	1.000	A572-65 (65 ksi)
L5	162.000-157.000	5.000	0.000	18	19.211	20.389	0.250	1.000	A572-65 (65 ksi)
L6	157.000-152.000	5.000	0.000	18	20.389	21.567	0.250	1.000	A572-65 (65 ksi)
L7	152.000-147.000	5.000	0.000	18	21.567	22.744	0.250	1.000	A572-65 (65 ksi)
L8	147.000-142.000	5.000	0.000	18	22.744	23.922	0.250	1.000	A572-65 (65 ksi)
L9	142.000-137.000	5.000	0.000	18	23.922	25.100	0.250	1.000	A572-65 (65 ksi)
L10	137.000-133.081	3.919	3.753	18	25.100	26.023	0.250	1.000	A572-65 (65 ksi)
L11	133.081-131.834	5.000	0.000	18	24.639	25.805	0.375	1.500	A572-65 (65 ksi)
L12	131.834-126.834	5.000	0.000	18	25.805	26.972	0.375	1.500	A572-65 (65 ksi)
L13	126.834-121.834	5.000	0.000	18	26.972	28.138	0.375	1.500	A572-65 (65 ksi)
L14	121.834-116.834	5.000	0.000	18	28.138	29.305	0.375	1.500	A572-65 (65 ksi)
L15	116.834-111.834	5.000	0.000	18	29.305	30.471	0.375	1.500	A572-65 (65 ksi)
L16	111.834-106.834	5.000	0.000	18	30.471	31.638	0.375	1.500	A572-65 (65 ksi)
L17	106.834-101.834	5.000	0.000	18	31.638	32.804	0.375	1.500	A572-65 (65 ksi)
L18	101.834-96.834	5.000	0.000	18	32.804	33.971	0.375	1.500	A572-65 (65 ksi)
L19	96.834-87.449	9.385	5.021	18	33.971	36.160	0.375	1.500	A572-65 (65 ksi)
L20	87.449-86.449	6.021	0.000	18	34.239	35.642	0.375	1.500	A572-65 (65 ksi)
L21	86.449-85.000	1.449	0.000	18	35.642	35.980	0.375	1.500	A572-65 (65 ksi)
L22	85.000-84.750	0.250	0.000	18	35.980	36.038	0.375	1.500	A572-65 (65 ksi)
L23	84.750-79.750	5.000	0.000	18	36.038	37.203	0.375	1.500	A572-65 (65 ksi)
L24	79.750-75.000	4.750	0.000	18	37.203	38.310	0.375	1.500	A572-65 (65 ksi)
L25	75.000-74.750	0.250	0.000	18	38.310	38.369	0.700	2.800	A572-65 (65 ksi)
L26	74.750-74.000	0.750	0.000	18	38.369	38.543	0.700	2.800	A572-65 (65 ksi)
L27	74.000-73.750	0.250	0.000	18	38.543	38.602	0.375	1.500	A572-65 (65 ksi)
L28	73.750-68.750	5.000	0.000	18	38.602	39.767	0.375	1.500	A572-65 (65 ksi)
L29	68.750-63.750	5.000	0.000	18	39.767	40.932	0.375	1.500	A572-65 (65 ksi)

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	Client	Designed by
	Crown Castle	Bhushan

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
L30	63.750-58.750	5.000	0.000	18	40.932	42.098	0.375	1.500	A572-65 (65 ksi)
L31	58.750-53.750	5.000	0.000	18	42.098	43.263	0.375	1.500	A572-65 (65 ksi)
L32	53.750-42.848	10.902	6.232	18	43.263	45.804	0.375	1.500	A572-65 (65 ksi)
L33	42.848-41.848	7.232	0.000	18	43.602	45.281	0.438	1.750	A572-65 (65 ksi)
L34	41.848-36.848	5.000	0.000	18	45.281	46.442	0.438	1.750	A572-65 (65 ksi)
L35	36.848-31.848	5.000	0.000	18	46.442	47.604	0.438	1.750	A572-65 (65 ksi)
L36	31.848-26.848	5.000	0.000	18	47.604	48.765	0.438	1.750	A572-65 (65 ksi)
L37	26.848-21.848	5.000	0.000	18	48.765	49.926	0.438	1.750	A572-65 (65 ksi)
L38	21.848-16.848	5.000	0.000	18	49.926	51.087	0.438	1.750	A572-65 (65 ksi)
L39	16.848-11.848	5.000	0.000	18	51.087	52.248	0.438	1.750	A572-65 (65 ksi)
L40	11.848-6.848	5.000	0.000	18	52.248	53.410	0.438	1.750	A572-65 (65 ksi)
L41	6.848-1.848	5.000	0.000	18	53.410	54.571	0.438	1.750	A572-65 (65 ksi)
L42	1.848-0.000	1.848		18	54.571	55.000	0.438	1.750	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	14.685	11.307	290.087	5.059	7.366	39.382	580.557	5.655	2.112	8.448
	15.881	12.242	368.123	5.477	7.964	46.222	736.731	6.122	2.319	9.277
L2	15.881	12.242	368.123	5.477	7.964	46.222	736.731	6.122	2.319	9.277
	17.077	13.176	459.031	5.895	8.563	53.609	918.667	6.589	2.527	10.106
L3	17.077	13.176	459.031	5.895	8.563	53.609	918.667	6.589	2.527	10.106
	18.273	14.111	563.794	6.313	9.161	61.543	1128.330	7.057	2.734	10.935
L4	18.273	14.111	563.794	6.313	9.161	61.543	1128.330	7.057	2.734	10.935
	19.469	15.046	683.395	6.731	9.759	70.026	1367.689	7.524	2.941	11.765
L5	19.469	15.046	683.395	6.731	9.759	70.026	1367.689	7.524	2.941	11.765
	20.665	15.980	818.816	7.149	10.358	79.055	1638.709	7.992	3.148	12.594
L6	20.665	15.980	818.816	7.149	10.358	79.055	1638.709	7.992	3.148	12.594
	21.861	16.915	971.040	7.567	10.956	88.632	1943.357	8.459	3.356	13.423
L7	21.861	16.915	971.040	7.567	10.956	88.632	1943.357	8.459	3.356	13.423
	23.057	17.849	1141.049	7.985	11.554	98.757	2283.599	8.926	3.563	14.252
L8	23.057	17.849	1141.049	7.985	11.554	98.757	2283.599	8.926	3.563	14.252
	24.253	18.784	1329.827	8.404	12.152	109.429	2661.403	9.394	3.770	15.081
L9	24.253	18.784	1329.827	8.404	12.152	109.429	2661.403	9.394	3.770	15.081
	25.449	19.718	1538.355	8.822	12.751	120.648	3078.735	9.861	3.978	15.91
L10	25.449	19.718	1538.355	8.822	12.751	120.648	3078.735	9.861	3.978	15.91
	26.386	20.451	1716.245	9.149	13.220	129.825	3434.748	10.227	4.140	16.56
L11	25.850	28.880	2148.134	8.614	12.517	171.623	4299.094	14.443	3.676	9.804
	26.146	30.269	2473.069	9.028	13.109	188.652	4949.393	15.137	3.882	10.351
L12	26.146	30.269	2473.069	9.028	13.109	188.652	4949.393	15.137	3.882	10.351
	27.330	31.657	2829.224	9.442	13.702	206.487	5662.170	15.831	4.087	10.899
L13	27.330	31.657	2829.224	9.442	13.702	206.487	5662.170	15.831	4.087	10.899
	28.515	33.045	3218.029	9.856	14.294	225.127	6440.292	16.526	4.292	11.446
L14	28.515	33.045	3218.029	9.856	14.294	225.127	6440.292	16.526	4.292	11.446
	29.699	34.434	3640.916	10.270	14.887	244.573	7286.623	17.220	4.498	11.994

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	Client	Crown Castle	Designed by	Bhushan

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
L15	29.699	34.434	3640.916	10.270	14.887	244.573	7286.623	17.220	4.498	11.994
	30.883	35.822	4099.318	10.684	15.479	264.824	8204.030	17.914	4.703	12.541
L16	30.883	35.822	4099.318	10.684	15.479	264.824	8204.030	17.914	4.703	12.541
	32.068	37.210	4594.666	11.098	16.072	285.881	9195.378	18.609	4.908	13.089
L17	32.068	37.210	4594.666	11.098	16.072	285.881	9195.378	18.609	4.908	13.089
	33.252	38.599	5128.392	11.512	16.664	307.744	10263.533	19.303	5.114	13.636
L18	33.252	38.599	5128.392	11.512	16.664	307.744	10263.533	19.303	5.114	13.636
	34.437	39.987	5701.929	11.926	17.257	330.412	11411.360	19.997	5.319	14.184
L19	34.437	39.987	5701.929	11.926	17.257	330.412	11411.360	19.997	5.319	14.184
	36.660	42.593	6890.944	12.704	18.369	375.134	13790.955	21.301	5.704	15.211
L20	35.897	40.306	5839.518	12.022	17.393	335.735	11686.719	20.157	5.366	14.309
	36.134	41.976	6595.985	12.520	18.106	364.296	13200.650	20.992	5.613	14.968
L21	36.134	41.976	6595.985	12.520	18.106	364.296	13200.650	20.992	5.613	14.968
	36.477	42.378	6787.295	12.640	18.278	371.343	13583.522	21.193	5.672	15.126
L22	36.477	42.378	6787.295	12.640	18.278	371.343	13583.522	21.193	5.672	15.126
	36.536	42.448	6820.672	12.660	18.307	372.566	13650.320	21.228	5.683	15.154
L23	36.536	42.448	6820.672	12.660	18.307	372.566	13650.320	21.228	5.683	15.154
	37.719	43.835	7511.389	13.074	18.899	397.443	15032.661	21.922	5.888	15.701
L24	37.719	43.835	7511.389	13.074	18.899	397.443	15032.661	21.922	5.888	15.701
	38.844	45.153	8209.344	13.467	19.462	421.821	16429.491	22.581	6.083	16.222
L25	38.793	83.563	14933.620	13.352	19.462	767.335	29886.889	41.789	5.511	7.872
	38.853	83.692	15003.134	13.372	19.491	769.736	30026.010	41.854	5.521	7.887
L26	38.853	83.692	15003.134	13.372	19.491	769.736	30026.010	41.854	5.521	7.887
	39.030	84.081	15212.972	13.434	19.580	776.962	30445.961	42.048	5.552	7.931
L27	39.080	45.430	8361.587	13.550	19.580	427.046	16734.176	22.719	6.124	16.33
	39.139	45.499	8399.939	13.570	19.610	428.357	16810.931	22.754	6.134	16.357
L28	39.139	45.499	8399.939	13.570	19.610	428.357	16810.931	22.754	6.134	16.357
	40.323	46.886	9191.815	13.984	20.202	455.003	18395.725	23.448	6.339	16.904
L29	40.323	46.886	9191.815	13.984	20.202	455.003	18395.725	23.448	6.339	16.904
	41.506	48.273	10031.958	14.398	20.794	482.453	20077.116	24.141	6.544	17.451
L30	41.506	48.273	10031.958	14.398	20.794	482.453	20077.116	24.141	6.544	17.451
	42.689	49.660	10921.795	14.812	21.386	510.707	21857.961	24.835	6.749	17.998
L31	42.689	49.660	10921.795	14.812	21.386	510.707	21857.961	24.835	6.749	17.998
	43.873	51.048	11862.754	15.225	21.978	539.765	23741.117	25.529	6.954	18.545
L32	43.873	51.048	11862.754	15.225	21.978	539.765	23741.117	25.529	6.954	18.545
	46.453	54.072	14098.573	16.127	23.268	605.910	28215.698	27.041	7.402	19.737
L33	45.676	59.939	14108.729	15.323	22.150	636.975	28236.024	29.975	6.904	15.78
	45.912	62.271	15820.628	15.919	23.003	687.770	31662.072	31.141	7.199	16.456
L34	45.912	62.271	15820.628	15.919	23.003	687.770	31662.072	31.141	7.199	16.456
	47.091	63.883	17081.742	16.332	23.593	724.027	34185.961	31.948	7.404	16.923
L35	47.091	63.883	17081.742	16.332	23.593	724.027	34185.961	31.948	7.404	16.923
	48.270	65.496	18408.155	16.744	24.183	761.215	36840.532	32.754	7.608	17.39
L36	48.270	65.496	18408.155	16.744	24.183	761.215	36840.532	32.754	7.608	17.39
	49.450	67.108	19801.515	17.156	24.772	799.335	39629.085	33.561	7.813	17.857
L37	49.450	67.108	19801.515	17.156	24.772	799.335	39629.085	33.561	7.813	17.857
	50.629	68.721	21263.469	17.568	25.362	838.386	42554.917	34.367	8.017	18.324
L38	50.629	68.721	21263.469	17.568	25.362	838.386	42554.917	34.367	8.017	18.324
	51.808	70.333	22795.666	17.981	25.952	878.368	45621.328	35.173	8.221	18.792
L39	51.808	70.333	22795.666	17.981	25.952	878.368	45621.328	35.173	8.221	18.792
	52.987	71.946	24399.755	18.393	26.542	919.282	48831.616	35.980	8.426	19.259
L40	52.987	71.946	24399.755	18.393	26.542	919.282	48831.616	35.980	8.426	19.259
	54.166	73.558	26077.383	18.805	27.132	961.127	52189.079	36.786	8.630	19.726
L41	54.166	73.558	26077.383	18.805	27.132	961.127	52189.079	36.786	8.630	19.726
	55.345	75.171	27830.198	19.217	27.722	1003.904	55697.016	37.593	8.834	20.193
L42	55.345	75.171	27830.198	19.217	27.722	1003.904	55697.016	37.593	8.834	20.193
	55.781	75.767	28497.398	19.370	27.940	1019.950	57032.294	37.891	8.910	20.366

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Tower Elevation	Gusset Area (per face)	Gusset Thickness	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
ft	ft ²	in							
L1				1	1	1			
182.000-177.0									
00									
L2				1	1	1			
177.000-172.0									
00									
L3				1	1	1			
172.000-167.0									
00									
L4				1	1	1			
167.000-162.0									
00									
L5				1	1	1			
162.000-157.0									
00									
L6				1	1	1			
157.000-152.0									
00									
L7				1	1	1			
152.000-147.0									
00									
L8				1	1	1			
147.000-142.0									
00									
L9				1	1	1			
142.000-137.0									
00									
L10				1	1	1			
137.000-133.0									
81									
L11				1	1	1			
133.081-131.8									
34									
L12				1	1	1			
131.834-126.8									
34									
L13				1	1	1			
126.834-121.8									
34									
L14				1	1	1			
121.834-116.8									
34									
L15				1	1	1			
116.834-111.8									
34									
L16				1	1	1			
111.834-106.8									
34									
L17				1	1	1			
106.834-101.8									
34									
L18				1	1	1			
101.834-96.83									
4									
L19				1	1	1			
96.834-87.449									
L20				1	1	1			
87.449-86.449									
L21				1	1	1			

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	Project	Date
	Client	Designed by
	Crown Castle	Bhushan

Tower Elevation	Gusset Area (per face)	Gusset Thickness	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
ft	ft ²	in							
86.449-85.000									
L22				1	1	1			
85.000-84.750				1	1	1			
L23									
84.750-79.750				1	1	1			
L24									
79.750-75.000				1	1	0.952576			
L25									
75.000-74.750				1	1	0.950651			
L26									
74.750-74.000				1	1	1			
L27									
74.000-73.750				1	1	1			
L28									
73.750-68.750				1	1	1			
L29									
68.750-63.750				1	1	1			
L30									
63.750-58.750				1	1	1			
L31									
58.750-53.750				1	1	1			
L32									
53.750-42.848				1	1	1			
L33									
42.848-41.848				1	1	1			
L34									
41.848-36.848				1	1	1			
L35									
36.848-31.848				1	1	1			
L36									
31.848-26.848				1	1	1			
L37									
26.848-21.848				1	1	1			
L38									
21.848-16.848				1	1	1			
L39									
16.848-11.848				1	1	1			
L40									
11.848-6.848				1	1	1			
L41									
6.848-1.848				1	1	1			
L42									
1.848-0.000									

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
*										
LDF5-50A(7/8)	B	No	Surface Ar (CaAa)	140.000 - 0.000	1	1	-0.150 -0.130	1.030		0.000
HB114-1-0813U4-M5F(1-1/4)	B	No	Surface Ar (CaAa)	140.000 - 0.000	3	3	-0.100 0.000	1.540		0.001
*										
LDF4-50A(1/2)	B	No	Surface Ar	73.000 -	1	1	-0.180	0.625		0.000

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Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
*			(CaAa)	0.000			-0.150			
Safety Line 3/8	B	No	Surface Ar (CaAa)	182.000 - 0.000	1	1	0.250 0.250	0.375		0.000
*										
PL 5.75"x1"	A	No	Surface Af (CaAa)	77.000 - 47.000	1	1	0.150 0.200	5.750	13.500	0.000
PL 5.75"x1"	B	No	Surface Af (CaAa)	77.000 - 47.000	1	1	0.150 0.200	5.750	13.500	0.000
PL 5.75"x1"	C	No	Surface Af (CaAa)	77.000 - 47.000	1	1	0.150 0.200	5.750	13.500	0.000
*										
PL 5.75"x1"	A	No	Surface Af (CaAa)	87.000 - 72.000	1	1	0.000 0.050	5.750	13.500	0.000
PL 5.75"x1"	B	No	Surface Af (CaAa)	87.000 - 72.000	1	1	0.000 0.050	5.750	13.500	0.000
PL 5.75"x1"	C	No	Surface Af (CaAa)	87.000 - 72.000	1	1	0.000 0.050	5.750	13.500	0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight klf
LDF5-50A(7/8)	C	No	No	Inside Pole	178.000 - 0.000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
*									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	168.000 - 0.000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
WR-VG66ST-BRD_ CCIV2(7/8)	B	No	No	Inside Pole	168.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
FB-L98B-034-XXX(3/8)	B	No	No	Inside Pole	168.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
2-1/2" Rigid Conduit	B	No	No	Inside Pole	168.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.003 0.003 0.003 0.003
FB-L98B-034-XXX(3/8)	B	No	No	Inside Pole	168.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
WR-VG86ST-BRD(3/4)	B	No	No	Inside Pole	168.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
*									
HB158-21U6S24-xx M_TMO(1-5/8)	B	No	No	Inside Pole	157.000 - 0.000	3	No Ice 1/2" Ice	0.000 0.000	0.003 0.003

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight klf
*							1" Ice	0.000	0.003
							2" Ice	0.000	0.003
LDF4-50A(1/2)	A	No	No	Inside Pole	90.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
LDF7-50A(1-5/8)	A	No	No	Inside Pole	90.000 - 0.000	7	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	182.000-177.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.001
		C	0.000	0.000	0.000	0.000	0.004
L2	177.000-172.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.001
		C	0.000	0.000	0.000	0.000	0.020
L3	172.000-167.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.018
		C	0.000	0.000	0.000	0.000	0.020
L4	167.000-162.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.086
		C	0.000	0.000	0.000	0.000	0.020
L5	162.000-157.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.086
		C	0.000	0.000	0.000	0.000	0.020
L6	157.000-152.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.123
		C	0.000	0.000	0.000	0.000	0.020
L7	152.000-147.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.123
		C	0.000	0.000	0.000	0.000	0.020
L8	147.000-142.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.123
		C	0.000	0.000	0.000	0.000	0.020
L9	142.000-137.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	1.882	0.000	0.135
		C	0.000	0.000	0.000	0.000	0.020
L10	137.000-133.081	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.361	0.000	0.112
		C	0.000	0.000	0.000	0.000	0.016
L11	133.081-131.834	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.751	0.000	0.036
		C	0.000	0.000	0.000	0.000	0.005
L12	131.834-126.834	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.013	0.000	0.143
		C	0.000	0.000	0.000	0.000	0.020
L13	126.834-121.834	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.013	0.000	0.143
		C	0.000	0.000	0.000	0.000	0.020
L14	121.834-116.834	A	0.000	0.000	0.000	0.000	0.000

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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B	0.000	0.000	3.013	0.000	0.143
		C	0.000	0.000	0.000	0.000	0.020
L15	116.834-111.834	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.013	0.000	0.143
		C	0.000	0.000	0.000	0.000	0.020
L16	111.834-106.834	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.013	0.000	0.143
		C	0.000	0.000	0.000	0.000	0.020
L17	106.834-101.834	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.013	0.000	0.143
		C	0.000	0.000	0.000	0.000	0.020
L18	101.834-96.834	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.013	0.000	0.143
		C	0.000	0.000	0.000	0.000	0.020
L19	96.834-87.449	A	0.000	0.000	0.000	0.000	0.015
		B	0.000	0.000	5.654	0.000	0.268
		C	0.000	0.000	0.000	0.000	0.037
L20	87.449-86.449	A	0.000	0.000	0.528	0.000	0.006
		B	0.000	0.000	1.131	0.000	0.029
		C	0.000	0.000	0.528	0.000	0.004
L21	86.449-85.000	A	0.000	0.000	1.389	0.000	0.009
		B	0.000	0.000	2.262	0.000	0.041
		C	0.000	0.000	1.389	0.000	0.006
L22	85.000-84.750	A	0.000	0.000	0.240	0.000	0.001
		B	0.000	0.000	0.390	0.000	0.007
		C	0.000	0.000	0.240	0.000	0.001
L23	84.750-79.750	A	0.000	0.000	4.792	0.000	0.029
		B	0.000	0.000	7.804	0.000	0.143
		C	0.000	0.000	4.792	0.000	0.020
L24	79.750-75.000	A	0.000	0.000	6.469	0.000	0.028
		B	0.000	0.000	9.331	0.000	0.136
		C	0.000	0.000	6.469	0.000	0.019
L25	75.000-74.750	A	0.000	0.000	0.479	0.000	0.001
		B	0.000	0.000	0.630	0.000	0.007
		C	0.000	0.000	0.479	0.000	0.001
L26	74.750-74.000	A	0.000	0.000	1.438	0.000	0.004
		B	0.000	0.000	1.889	0.000	0.021
		C	0.000	0.000	1.438	0.000	0.003
L27	74.000-73.750	A	0.000	0.000	0.479	0.000	0.001
		B	0.000	0.000	0.630	0.000	0.007
		C	0.000	0.000	0.479	0.000	0.001
L28	73.750-68.750	A	0.000	0.000	6.469	0.000	0.029
		B	0.000	0.000	9.747	0.000	0.144
		C	0.000	0.000	6.469	0.000	0.020
L29	68.750-63.750	A	0.000	0.000	4.792	0.000	0.029
		B	0.000	0.000	8.117	0.000	0.144
		C	0.000	0.000	4.792	0.000	0.020
L30	63.750-58.750	A	0.000	0.000	4.792	0.000	0.029
		B	0.000	0.000	8.117	0.000	0.144
		C	0.000	0.000	4.792	0.000	0.020
L31	58.750-53.750	A	0.000	0.000	4.792	0.000	0.029
		B	0.000	0.000	8.117	0.000	0.144
		C	0.000	0.000	4.792	0.000	0.020
L32	53.750-42.848	A	0.000	0.000	6.469	0.000	0.064
		B	0.000	0.000	13.719	0.000	0.313
		C	0.000	0.000	6.469	0.000	0.043
L33	42.848-41.848	A	0.000	0.000	0.000	0.000	0.006
		B	0.000	0.000	0.665	0.000	0.029
		C	0.000	0.000	0.000	0.000	0.004
L34	41.848-36.848	A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144

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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L35	36.848-31.848	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144
L36	31.848-26.848	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144
L37	26.848-21.848	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144
L38	21.848-16.848	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144
L39	16.848-11.848	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144
L40	11.848-6.848	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144
L41	6.848-1.848	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.029
		B	0.000	0.000	3.325	0.000	0.144
L42	1.848-0.000	C	0.000	0.000	0.000	0.000	0.020
		A	0.000	0.000	0.000	0.000	0.011
		B	0.000	0.000	1.229	0.000	0.053
		C	0.000	0.000	0.000	0.000	0.007

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 _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	182.000-177.000	A	2.014	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.201	0.000	0.030
		C		0.000	0.000	0.000	0.000	0.004
L2	177.000-172.000	A	2.008	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.196	0.000	0.030
		C		0.000	0.000	0.000	0.000	0.020
L3	172.000-167.000	A	2.002	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.190	0.000	0.047
		C		0.000	0.000	0.000	0.000	0.020
L4	167.000-162.000	A	1.996	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.184	0.000	0.115
		C		0.000	0.000	0.000	0.000	0.020
L5	162.000-157.000	A	1.990	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.178	0.000	0.115
		C		0.000	0.000	0.000	0.000	0.020
L6	157.000-152.000	A	1.984	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.171	0.000	0.152
		C		0.000	0.000	0.000	0.000	0.020
L7	152.000-147.000	A	1.977	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.165	0.000	0.152
		C		0.000	0.000	0.000	0.000	0.020
L8	147.000-142.000	A	1.971	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.158	0.000	0.152
		C		0.000	0.000	0.000	0.000	0.020
L9	142.000-137.000	A	1.964	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	6.843	0.000	0.225
		C		0.000	0.000	0.000	0.000	0.020
L10	137.000-133.081	A	1.957	0.000	0.000	0.000	0.000	0.000

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	Crown Castle	Bhushan

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	7.800	0.000	0.215
		C		0.000	0.000	0.000	0.000	0.016
L11	133.081-131.834	A	1.953	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.482	0.000	0.068
		C		0.000	0.000	0.000	0.000	0.005
L12	131.834-126.834	A	1.949	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	9.924	0.000	0.273
		C		0.000	0.000	0.000	0.000	0.020
L13	126.834-121.834	A	1.941	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	9.899	0.000	0.272
		C		0.000	0.000	0.000	0.000	0.020
L14	121.834-116.834	A	1.933	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	9.873	0.000	0.271
		C		0.000	0.000	0.000	0.000	0.020
L15	116.834-111.834	A	1.925	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	9.846	0.000	0.271
		C		0.000	0.000	0.000	0.000	0.020
L16	111.834-106.834	A	1.916	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	9.818	0.000	0.270
		C		0.000	0.000	0.000	0.000	0.020
L17	106.834-101.834	A	1.907	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	9.789	0.000	0.269
		C		0.000	0.000	0.000	0.000	0.020
L18	101.834-96.834	A	1.898	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	9.759	0.000	0.268
		C		0.000	0.000	0.000	0.000	0.020
L19	96.834-87.449	A	1.884	0.000	0.000	0.000	0.000	0.015
		B		0.000	0.000	18.230	0.000	0.500
		C		0.000	0.000	0.000	0.000	0.037
L20	87.449-86.449	A	1.873	0.000	0.000	0.686	0.000	0.014
		B		0.000	0.000	2.628	0.000	0.062
		C		0.000	0.000	0.686	0.000	0.012
L21	86.449-85.000	A	1.870	0.000	0.000	1.801	0.000	0.030
		B		0.000	0.000	4.603	0.000	0.099
		C		0.000	0.000	1.801	0.000	0.027
L22	85.000-84.750	A	1.868	0.000	0.000	0.311	0.000	0.005
		B		0.000	0.000	0.794	0.000	0.017
		C		0.000	0.000	0.311	0.000	0.005
L23	84.750-79.750	A	1.863	0.000	0.000	6.210	0.000	0.104
		B		0.000	0.000	15.853	0.000	0.339
		C		0.000	0.000	6.210	0.000	0.094
L24	79.750-75.000	A	1.851	0.000	0.000	8.551	0.000	0.128
		B		0.000	0.000	17.677	0.000	0.350
		C		0.000	0.000	8.551	0.000	0.118
L25	75.000-74.750	A	1.845	0.000	0.000	0.642	0.000	0.009
		B		0.000	0.000	1.121	0.000	0.020
		C		0.000	0.000	0.642	0.000	0.008
L26	74.750-74.000	A	1.844	0.000	0.000	1.925	0.000	0.026
		B		0.000	0.000	3.363	0.000	0.061
		C		0.000	0.000	1.925	0.000	0.025
L27	74.000-73.750	A	1.843	0.000	0.000	0.642	0.000	0.009
		B		0.000	0.000	1.121	0.000	0.020
		C		0.000	0.000	0.642	0.000	0.008
L28	73.750-68.750	A	1.836	0.000	0.000	8.796	0.000	0.128
		B		0.000	0.000	20.180	0.000	0.384
		C		0.000	0.000	8.796	0.000	0.118
L29	68.750-63.750	A	1.823	0.000	0.000	6.614	0.000	0.102
		B		0.000	0.000	18.263	0.000	0.361
		C		0.000	0.000	6.614	0.000	0.092
L30	63.750-58.750	A	1.808	0.000	0.000	6.600	0.000	0.101
		B		0.000	0.000	18.188	0.000	0.358

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	Client	Crown Castle	Designed by	Bhushan

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L31	58.750-53.750	C		0.000	0.000	6.600	0.000	0.091
		A	1.793	0.000	0.000	6.585	0.000	0.100
		B		0.000	0.000	18.108	0.000	0.356
		C		0.000	0.000	6.585	0.000	0.091
L32	53.750-42.848	A	1.766	0.000	0.000	8.853	0.000	0.158
		B		0.000	0.000	33.725	0.000	0.707
		C		0.000	0.000	8.853	0.000	0.137
L33	42.848-41.848	A	1.743	0.000	0.000	0.000	0.000	0.006
		B		0.000	0.000	2.281	0.000	0.056
		C		0.000	0.000	0.000	0.000	0.004
L34	41.848-36.848	A	1.730	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	11.256	0.000	0.277
		C		0.000	0.000	0.000	0.000	0.020
L35	36.848-31.848	A	1.707	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	11.156	0.000	0.275
		C		0.000	0.000	0.000	0.000	0.020
L36	31.848-26.848	A	1.680	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	11.043	0.000	0.271
		C		0.000	0.000	0.000	0.000	0.020
L37	26.848-21.848	A	1.649	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	10.911	0.000	0.268
		C		0.000	0.000	0.000	0.000	0.020
L38	21.848-16.848	A	1.612	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	10.752	0.000	0.264
		C		0.000	0.000	0.000	0.000	0.020
L39	16.848-11.848	A	1.564	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	10.550	0.000	0.258
		C		0.000	0.000	0.000	0.000	0.020
L40	11.848-6.848	A	1.498	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	10.271	0.000	0.251
		C		0.000	0.000	0.000	0.000	0.020
L41	6.848-1.848	A	1.388	0.000	0.000	0.000	0.000	0.029
		B		0.000	0.000	9.801	0.000	0.240
		C		0.000	0.000	0.000	0.000	0.020
L42	1.848-0.000	A	1.189	0.000	0.000	0.000	0.000	0.011
		B		0.000	0.000	3.310	0.000	0.081
		C		0.000	0.000	0.000	0.000	0.007

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	182.000-177.000	0.300	0.000	1.435	0.000
L2	177.000-172.000	0.300	0.000	1.468	0.000
L3	172.000-167.000	0.300	0.000	1.497	0.000
L4	167.000-162.000	0.300	0.000	1.523	0.000
L5	162.000-157.000	0.301	0.000	1.547	0.000
L6	157.000-152.000	0.301	0.000	1.568	0.000
L7	152.000-147.000	0.301	0.000	1.586	0.000
L8	147.000-142.000	0.301	0.000	1.603	0.000
L9	142.000-137.000	2.097	-1.442	3.177	-1.664
L10	137.000-133.081	2.978	-2.147	3.847	-2.350
L11	133.081-131.834	2.982	-2.150	3.857	-2.355
L12	131.834-126.834	3.000	-2.163	3.905	-2.385
L13	126.834-121.834	3.028	-2.183	3.984	-2.433
L14	121.834-116.834	3.055	-2.202	4.059	-2.479
L15	116.834-111.834	3.080	-2.220	4.130	-2.522
L16	111.834-106.834	3.103	-2.237	4.198	-2.564

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Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L17	106.834-101.834	3.125	-2.252	4.262	-2.603
L18	101.834-96.834	3.146	-2.267	4.322	-2.640
L19	96.834-87.449	3.175	-2.288	4.404	-2.691
L20	87.449-86.449	2.031	-1.463	3.375	-2.062
L21	86.449-85.000	1.575	-1.135	2.833	-1.731
L22	85.000-84.750	1.580	-1.139	2.841	-1.737
L23	84.750-79.750	1.596	-1.150	2.867	-1.753
L24	79.750-75.000	1.343	-0.968	2.513	-1.536
L25	75.000-74.750	1.098	-0.791	2.133	-1.305
L26	74.750-74.000	1.100	-0.793	2.137	-1.307
L27	74.000-73.750	1.102	-0.794	2.141	-1.309
L28	73.750-68.750	1.503	-1.129	2.890	-1.982
L29	68.750-63.750	1.804	-1.363	3.329	-2.320
L30	63.750-58.750	1.833	-1.385	3.378	-2.354
L31	58.750-53.750	1.861	-1.406	3.425	-2.387
L32	53.750-42.848	2.305	-1.742	4.005	-2.792
L33	42.848-41.848	3.516	-2.657	5.291	-3.689
L34	41.848-36.848	3.525	-2.664	5.280	-3.684
L35	36.848-31.848	3.539	-2.674	5.305	-3.702
L36	31.848-26.848	3.553	-2.684	5.322	-3.715
L37	26.848-21.848	3.566	-2.694	5.331	-3.723
L38	21.848-16.848	3.578	-2.704	5.329	-3.724
L39	16.848-11.848	3.590	-2.713	5.311	-3.714
L40	11.848-6.848	3.602	-2.722	5.264	-3.686
L41	6.848-1.848	3.613	-2.730	5.149	-3.612
L42	1.848-0.000	3.621	-2.736	4.879	-3.439

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	24	Safety Line 3/8	177.00 - 182.00	1.0000	1.0000
L2	24	Safety Line 3/8	172.00 - 177.00	1.0000	1.0000
L3	24	Safety Line 3/8	167.00 - 172.00	1.0000	1.0000
L4	24	Safety Line 3/8	162.00 - 167.00	1.0000	1.0000
L5	24	Safety Line 3/8	157.00 - 162.00	1.0000	1.0000
L6	24	Safety Line 3/8	152.00 - 157.00	1.0000	1.0000
L7	24	Safety Line 3/8	147.00 - 152.00	1.0000	1.0000
L8	24	Safety Line 3/8	142.00 - 147.00	1.0000	1.0000
L9	16	LDF5-50A(7/8)	137.00 - 140.00	1.0000	1.0000
L9	17	HB114-1-0813U4-M5F(1-1/4)	137.00 - 140.00	1.0000	1.0000
		)			
L9	24	Safety Line 3/8	137.00 - 142.00	1.0000	1.0000
L10	16	LDF5-50A(7/8)	133.08 - 137.00	1.0000	1.0000
L10	17	HB114-1-0813U4-M5F(1-1/4)	133.08 - 137.00	1.0000	1.0000
		)			
L10	24	Safety Line 3/8	133.08 - 137.00	1.0000	1.0000
L11	16	LDF5-50A(7/8)	131.83 - 133.08	1.0000	1.0000
L11	17	HB114-1-0813U4-M5F(1-1/4)	131.83 - 133.08	1.0000	1.0000
		)			
L11	24	Safety Line 3/8	131.83 - 133.08	1.0000	1.0000
L12	16	LDF5-50A(7/8)	126.83 - 131.83	1.0000	1.0000
L12	17	HB114-1-0813U4-M5F(1-1/4)	126.83 - 131.83	1.0000	1.0000
		)			
L12	24	Safety Line 3/8	126.83 - 131.83	1.0000	1.0000
L13	16	LDF5-50A(7/8)	121.83 - 126.83	1.0000	1.0000
L13	17	HB114-1-0813U4-M5F(1-1/4)	121.83 - 126.83	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L13	24	) Safety Line 3/8	121.83 - 126.83	1.0000	1.0000
L14	16	LDF5-50A(7/8)	116.83 - 121.83	1.0000	1.0000
L14	17	HB114-1-0813U4-M5F(1-1/4)	116.83 - 121.83	1.0000	1.0000
L14	24	) Safety Line 3/8	116.83 - 121.83	1.0000	1.0000
L15	16	LDF5-50A(7/8)	111.83 - 116.83	1.0000	1.0000
L15	17	HB114-1-0813U4-M5F(1-1/4)	111.83 - 116.83	1.0000	1.0000
L15	24	) Safety Line 3/8	111.83 - 116.83	1.0000	1.0000
L16	16	LDF5-50A(7/8)	106.83 - 111.83	1.0000	1.0000
L16	17	HB114-1-0813U4-M5F(1-1/4)	106.83 - 111.83	1.0000	1.0000
L16	24	) Safety Line 3/8	106.83 - 111.83	1.0000	1.0000
L17	16	LDF5-50A(7/8)	101.83 - 106.83	1.0000	1.0000
L17	17	HB114-1-0813U4-M5F(1-1/4)	101.83 - 106.83	1.0000	1.0000
L17	24	) Safety Line 3/8	101.83 - 106.83	1.0000	1.0000
L18	16	LDF5-50A(7/8)	96.83 - 101.83	1.0000	1.0000
L18	17	HB114-1-0813U4-M5F(1-1/4)	96.83 - 101.83	1.0000	1.0000
L18	24	) Safety Line 3/8	96.83 - 101.83	1.0000	1.0000
L19	16	LDF5-50A(7/8)	87.45 - 96.83	1.0000	1.0000
L19	17	HB114-1-0813U4-M5F(1-1/4)	87.45 - 96.83	1.0000	1.0000
L19	24	) Safety Line 3/8	87.45 - 96.83	1.0000	1.0000
L20	16	LDF5-50A(7/8)	86.45 - 87.45	1.0000	1.0000
L20	17	HB114-1-0813U4-M5F(1-1/4)	86.45 - 87.45	1.0000	1.0000
L20	24	) Safety Line 3/8	86.45 - 87.45	1.0000	1.0000
L20	30	PL 5.75"x1"	86.45 - 87.00	1.0000	1.0000
L20	31	PL 5.75"x1"	86.45 - 87.00	1.0000	1.0000
L20	32	PL 5.75"x1"	86.45 - 87.00	1.0000	1.0000
L21	16	LDF5-50A(7/8)	85.00 - 86.45	1.0000	1.0000
L21	17	HB114-1-0813U4-M5F(1-1/4)	85.00 - 86.45	1.0000	1.0000
L21	24	) Safety Line 3/8	85.00 - 86.45	1.0000	1.0000
L21	30	PL 5.75"x1"	85.00 - 86.45	1.0000	1.0000
L21	31	PL 5.75"x1"	85.00 - 86.45	1.0000	1.0000
L21	32	PL 5.75"x1"	85.00 - 86.45	1.0000	1.0000
L22	16	LDF5-50A(7/8)	84.75 - 85.00	1.0000	1.0000
L22	17	HB114-1-0813U4-M5F(1-1/4)	84.75 - 85.00	1.0000	1.0000
L22	24	) Safety Line 3/8	84.75 - 85.00	1.0000	1.0000
L22	30	PL 5.75"x1"	84.75 - 85.00	1.0000	1.0000
L22	31	PL 5.75"x1"	84.75 - 85.00	1.0000	1.0000
L22	32	PL 5.75"x1"	84.75 - 85.00	1.0000	1.0000
L23	16	LDF5-50A(7/8)	79.75 - 84.75	1.0000	1.0000
L23	17	HB114-1-0813U4-M5F(1-1/4)	79.75 - 84.75	1.0000	1.0000
L23	24	) Safety Line 3/8	79.75 - 84.75	1.0000	1.0000
L23	30	PL 5.75"x1"	79.75 - 84.75	1.0000	1.0000
L23	31	PL 5.75"x1"	79.75 - 84.75	1.0000	1.0000
L23	32	PL 5.75"x1"	79.75 - 84.75	1.0000	1.0000
L24	16	LDF5-50A(7/8)	75.00 - 79.75	1.0000	1.0000
L24	17	HB114-1-0813U4-M5F(1-1/4)	75.00 - 79.75	1.0000	1.0000
L24	24	) Safety Line 3/8	75.00 - 79.75	1.0000	1.0000
L24	26	PL 5.75"x1"	75.00 - 77.00	1.0000	1.0000
L24	27	PL 5.75"x1"	75.00 - 77.00	1.0000	1.0000
L24	28	PL 5.75"x1"	75.00 - 77.00	1.0000	1.0000
L24	30	PL 5.75"x1"	75.00 - 79.75	1.0000	1.0000

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	Crown Castle	Bhushan

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L24	31	PL 5.75"x1"	75.00 - 79.75	1.0000	1.0000
L24	32	PL 5.75"x1"	75.00 - 79.75	1.0000	1.0000
L25	16	LDF5-50A(7/8)	74.75 - 75.00	1.0000	1.0000
L25	17	HB114-1-0813U4-M5F(1-1/4)	74.75 - 75.00	1.0000	1.0000
		)			
L25	24	Safety Line 3/8	74.75 - 75.00	1.0000	1.0000
L25	26	PL 5.75"x1"	74.75 - 75.00	1.0000	1.0000
L25	27	PL 5.75"x1"	74.75 - 75.00	1.0000	1.0000
L25	28	PL 5.75"x1"	74.75 - 75.00	1.0000	1.0000
L25	30	PL 5.75"x1"	74.75 - 75.00	1.0000	1.0000
L25	31	PL 5.75"x1"	74.75 - 75.00	1.0000	1.0000
L25	32	PL 5.75"x1"	74.75 - 75.00	1.0000	1.0000
L26	16	LDF5-50A(7/8)	74.00 - 74.75	1.0000	1.0000
L26	17	HB114-1-0813U4-M5F(1-1/4)	74.00 - 74.75	1.0000	1.0000
		)			
L26	24	Safety Line 3/8	74.00 - 74.75	1.0000	1.0000
L26	26	PL 5.75"x1"	74.00 - 74.75	1.0000	1.0000
L26	27	PL 5.75"x1"	74.00 - 74.75	1.0000	1.0000
L26	28	PL 5.75"x1"	74.00 - 74.75	1.0000	1.0000
L26	30	PL 5.75"x1"	74.00 - 74.75	1.0000	1.0000
L26	31	PL 5.75"x1"	74.00 - 74.75	1.0000	1.0000
L26	32	PL 5.75"x1"	74.00 - 74.75	1.0000	1.0000
L27	16	LDF5-50A(7/8)	73.75 - 74.00	1.0000	1.0000
L27	17	HB114-1-0813U4-M5F(1-1/4)	73.75 - 74.00	1.0000	1.0000
		)			
L27	24	Safety Line 3/8	73.75 - 74.00	1.0000	1.0000
L27	26	PL 5.75"x1"	73.75 - 74.00	1.0000	1.0000
L27	27	PL 5.75"x1"	73.75 - 74.00	1.0000	1.0000
L27	28	PL 5.75"x1"	73.75 - 74.00	1.0000	1.0000
L27	30	PL 5.75"x1"	73.75 - 74.00	1.0000	1.0000
L27	31	PL 5.75"x1"	73.75 - 74.00	1.0000	1.0000
L27	32	PL 5.75"x1"	73.75 - 74.00	1.0000	1.0000
L28	16	LDF5-50A(7/8)	68.75 - 73.75	1.0000	1.0000
L28	17	HB114-1-0813U4-M5F(1-1/4)	68.75 - 73.75	1.0000	1.0000
		)			
L28	22	LDF4-50A(1/2)	68.75 - 73.00	1.0000	1.0000
L28	24	Safety Line 3/8	68.75 - 73.75	1.0000	1.0000
L28	26	PL 5.75"x1"	68.75 - 73.75	1.0000	1.0000
L28	27	PL 5.75"x1"	68.75 - 73.75	1.0000	1.0000
L28	28	PL 5.75"x1"	68.75 - 73.75	1.0000	1.0000
L28	30	PL 5.75"x1"	72.00 - 73.75	1.0000	1.0000
L28	31	PL 5.75"x1"	72.00 - 73.75	1.0000	1.0000
L28	32	PL 5.75"x1"	72.00 - 73.75	1.0000	1.0000
L29	16	LDF5-50A(7/8)	63.75 - 68.75	1.0000	1.0000
L29	17	HB114-1-0813U4-M5F(1-1/4)	63.75 - 68.75	1.0000	1.0000
		)			
L29	22	LDF4-50A(1/2)	63.75 - 68.75	1.0000	1.0000
L29	24	Safety Line 3/8	63.75 - 68.75	1.0000	1.0000
L29	26	PL 5.75"x1"	63.75 - 68.75	1.0000	1.0000
L29	27	PL 5.75"x1"	63.75 - 68.75	1.0000	1.0000
L29	28	PL 5.75"x1"	63.75 - 68.75	1.0000	1.0000
L30	16	LDF5-50A(7/8)	58.75 - 63.75	1.0000	1.0000
L30	17	HB114-1-0813U4-M5F(1-1/4)	58.75 - 63.75	1.0000	1.0000
		)			
L30	22	LDF4-50A(1/2)	58.75 - 63.75	1.0000	1.0000
L30	24	Safety Line 3/8	58.75 - 63.75	1.0000	1.0000
L30	26	PL 5.75"x1"	58.75 - 63.75	1.0000	1.0000
L30	27	PL 5.75"x1"	58.75 - 63.75	1.0000	1.0000
L30	28	PL 5.75"x1"	58.75 - 63.75	1.0000	1.0000
L31	16	LDF5-50A(7/8)	53.75 - 58.75	1.0000	1.0000
L31	17	HB114-1-0813U4-M5F(1-1/4)	53.75 - 58.75	1.0000	1.0000
		)			

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L31	22	LDF4-50A(1/2)	53.75 - 58.75	1.0000	1.0000
L31	24	Safety Line 3/8	53.75 - 58.75	1.0000	1.0000
L31	26	PL 5.75"x1"	53.75 - 58.75	1.0000	1.0000
L31	27	PL 5.75"x1"	53.75 - 58.75	1.0000	1.0000
L31	28	PL 5.75"x1"	53.75 - 58.75	1.0000	1.0000
L32	16	LDF5-50A(7/8)	42.85 - 53.75	1.0000	1.0000
L32	17	HB114-1-0813U4-M5F(1-1/4)	42.85 - 53.75	1.0000	1.0000
		)			
L32	22	LDF4-50A(1/2)	42.85 - 53.75	1.0000	1.0000
L32	24	Safety Line 3/8	42.85 - 53.75	1.0000	1.0000
L32	26	PL 5.75"x1"	47.00 - 53.75	1.0000	1.0000
L32	27	PL 5.75"x1"	47.00 - 53.75	1.0000	1.0000
L32	28	PL 5.75"x1"	47.00 - 53.75	1.0000	1.0000
L33	16	LDF5-50A(7/8)	41.85 - 42.85	1.0000	1.0000
L33	17	HB114-1-0813U4-M5F(1-1/4)	41.85 - 42.85	1.0000	1.0000
		)			
L33	22	LDF4-50A(1/2)	41.85 - 42.85	1.0000	1.0000
L33	24	Safety Line 3/8	41.85 - 42.85	1.0000	1.0000
L34	16	LDF5-50A(7/8)	36.85 - 41.85	1.0000	1.0000
L34	17	HB114-1-0813U4-M5F(1-1/4)	36.85 - 41.85	1.0000	1.0000
		)			
L34	22	LDF4-50A(1/2)	36.85 - 41.85	1.0000	1.0000
L34	24	Safety Line 3/8	36.85 - 41.85	1.0000	1.0000
L35	16	LDF5-50A(7/8)	31.85 - 36.85	1.0000	1.0000
L35	17	HB114-1-0813U4-M5F(1-1/4)	31.85 - 36.85	1.0000	1.0000
		)			
L35	22	LDF4-50A(1/2)	31.85 - 36.85	1.0000	1.0000
L35	24	Safety Line 3/8	31.85 - 36.85	1.0000	1.0000
L36	16	LDF5-50A(7/8)	26.85 - 31.85	1.0000	1.0000
L36	17	HB114-1-0813U4-M5F(1-1/4)	26.85 - 31.85	1.0000	1.0000
		)			
L36	22	LDF4-50A(1/2)	26.85 - 31.85	1.0000	1.0000
L36	24	Safety Line 3/8	26.85 - 31.85	1.0000	1.0000
L37	16	LDF5-50A(7/8)	21.85 - 26.85	1.0000	1.0000
L37	17	HB114-1-0813U4-M5F(1-1/4)	21.85 - 26.85	1.0000	1.0000
		)			
L37	22	LDF4-50A(1/2)	21.85 - 26.85	1.0000	1.0000
L37	24	Safety Line 3/8	21.85 - 26.85	1.0000	1.0000
L38	16	LDF5-50A(7/8)	16.85 - 21.85	1.0000	1.0000
L38	17	HB114-1-0813U4-M5F(1-1/4)	16.85 - 21.85	1.0000	1.0000
		)			
L38	22	LDF4-50A(1/2)	16.85 - 21.85	1.0000	1.0000
L38	24	Safety Line 3/8	16.85 - 21.85	1.0000	1.0000
L39	16	LDF5-50A(7/8)	11.85 - 16.85	1.0000	1.0000
L39	17	HB114-1-0813U4-M5F(1-1/4)	11.85 - 16.85	1.0000	1.0000
		)			
L39	22	LDF4-50A(1/2)	11.85 - 16.85	1.0000	1.0000
L39	24	Safety Line 3/8	11.85 - 16.85	1.0000	1.0000
L40	16	LDF5-50A(7/8)	6.85 - 11.85	1.0000	1.0000
L40	17	HB114-1-0813U4-M5F(1-1/4)	6.85 - 11.85	1.0000	1.0000
		)			
L40	22	LDF4-50A(1/2)	6.85 - 11.85	1.0000	1.0000
L40	24	Safety Line 3/8	6.85 - 11.85	1.0000	1.0000
L41	16	LDF5-50A(7/8)	1.85 - 6.85	1.0000	1.0000
L41	17	HB114-1-0813U4-M5F(1-1/4)	1.85 - 6.85	1.0000	1.0000
		)			
L41	22	LDF4-50A(1/2)	1.85 - 6.85	1.0000	1.0000
L41	24	Safety Line 3/8	1.85 - 6.85	1.0000	1.0000
L42	16	LDF5-50A(7/8)	0.00 - 1.85	1.0000	1.0000
L42	17	HB114-1-0813U4-M5F(1-1/4)	0.00 - 1.85	1.0000	1.0000
		)			
L42	22	LDF4-50A(1/2)	0.00 - 1.85	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L42	24	Safety Line 3/8	0.00 - 1.85	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L20	30	PL 5.75"x1"	86.45 - 87.00	Auto	0.0258
L20	31	PL 5.75"x1"	86.45 - 87.00	Auto	0.0258
L20	32	PL 5.75"x1"	86.45 - 87.00	Auto	0.0258
L21	30	PL 5.75"x1"	85.00 - 86.45	Auto	0.0187
L21	31	PL 5.75"x1"	85.00 - 86.45	Auto	0.0187
L21	32	PL 5.75"x1"	85.00 - 86.45	Auto	0.0187
L22	30	PL 5.75"x1"	84.75 - 85.00	Auto	0.0126
L22	31	PL 5.75"x1"	84.75 - 85.00	Auto	0.0126
L22	32	PL 5.75"x1"	84.75 - 85.00	Auto	0.0126
L23	30	PL 5.75"x1"	79.75 - 84.75	Auto	0.0019
L23	31	PL 5.75"x1"	79.75 - 84.75	Auto	0.0019
L23	32	PL 5.75"x1"	79.75 - 84.75	Auto	0.0019
L24	26	PL 5.75"x1"	75.00 - 77.00	Auto	0.0000
L24	27	PL 5.75"x1"	75.00 - 77.00	Auto	0.0000
L24	28	PL 5.75"x1"	75.00 - 77.00	Auto	0.0000
L24	30	PL 5.75"x1"	75.00 - 79.75	Auto	0.0000
L24	31	PL 5.75"x1"	75.00 - 79.75	Auto	0.0000
L24	32	PL 5.75"x1"	75.00 - 79.75	Auto	0.0000
L25	26	PL 5.75"x1"	74.75 - 75.00	Auto	0.0407
L25	27	PL 5.75"x1"	74.75 - 75.00	Auto	0.0407
L25	28	PL 5.75"x1"	74.75 - 75.00	Auto	0.0407
L25	30	PL 5.75"x1"	74.75 - 75.00	Auto	0.0407
L25	31	PL 5.75"x1"	74.75 - 75.00	Auto	0.0407
L25	32	PL 5.75"x1"	74.75 - 75.00	Auto	0.0407
L26	26	PL 5.75"x1"	74.00 - 74.75	Auto	0.0372
L26	27	PL 5.75"x1"	74.00 - 74.75	Auto	0.0372
L26	28	PL 5.75"x1"	74.00 - 74.75	Auto	0.0372
L26	30	PL 5.75"x1"	74.00 - 74.75	Auto	0.0372
L26	31	PL 5.75"x1"	74.00 - 74.75	Auto	0.0372
L26	32	PL 5.75"x1"	74.00 - 74.75	Auto	0.0372
L27	26	PL 5.75"x1"	73.75 - 74.00	Auto	0.0000
L27	27	PL 5.75"x1"	73.75 - 74.00	Auto	0.0000
L27	28	PL 5.75"x1"	73.75 - 74.00	Auto	0.0000
L27	30	PL 5.75"x1"	73.75 - 74.00	Auto	0.0000
L27	31	PL 5.75"x1"	73.75 - 74.00	Auto	0.0000
L27	32	PL 5.75"x1"	73.75 - 74.00	Auto	0.0000
L28	26	PL 5.75"x1"	68.75 - 73.75	Auto	0.0000
L28	27	PL 5.75"x1"	68.75 - 73.75	Auto	0.0000
L28	28	PL 5.75"x1"	68.75 - 73.75	Auto	0.0000
L28	30	PL 5.75"x1"	72.00 - 73.75	Auto	0.0000
L28	31	PL 5.75"x1"	72.00 - 73.75	Auto	0.0000
L28	32	PL 5.75"x1"	72.00 - 73.75	Auto	0.0000
L29	26	PL 5.75"x1"	63.75 - 68.75	Auto	0.0000
L29	27	PL 5.75"x1"	63.75 - 68.75	Auto	0.0000
L29	28	PL 5.75"x1"	63.75 - 68.75	Auto	0.0000
L30	26	PL 5.75"x1"	58.75 - 63.75	Auto	0.0000
L30	27	PL 5.75"x1"	58.75 - 63.75	Auto	0.0000
L30	28	PL 5.75"x1"	58.75 - 63.75	Auto	0.0000
L31	26	PL 5.75"x1"	53.75 - 58.75	Auto	0.0000
L31	27	PL 5.75"x1"	53.75 - 58.75	Auto	0.0000
L31	28	PL 5.75"x1"	53.75 - 58.75	Auto	0.0000
L32	26	PL 5.75"x1"	47.00 - 53.75	Auto	0.0000
L32	27	PL 5.75"x1"	47.00 - 53.75	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L32	28	PL 5.75"x1"	47.00 - 53.75	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horiz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
DS4C06F36D-D	A	From Leg	6.000 0.000 10.000	0.000	178.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.820 7.793 9.783 13.813	5.820 7.793 9.783 13.813	0.050 0.092 0.146 0.292
APC-2163	A	From Leg	6.000 0.000 7.000	0.000	178.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.375 4.754 6.150 8.992	3.375 4.754 6.150 8.992	0.014 0.039 0.073 0.167
APC-1362	B	From Leg	6.000 0.000 7.000	0.000	178.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.500 4.929 6.375 9.317	3.500 4.929 6.375 9.317	0.015 0.041 0.076 0.173
APC-4065	B	From Leg	6.000 0.000 6.000	0.000	178.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.125 4.404 5.700 8.140	3.125 4.404 5.700 8.140	0.013 0.036 0.067 0.155
APC-301	C	From Leg	6.000 0.000 6.000	0.000	178.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.000 4.229 5.475 7.685	3.000 4.229 5.475 7.685	0.013 0.035 0.065 0.149
DS4C06F36D-D	C	From Leg	6.000 0.000 10.000	0.000	178.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.820 7.793 9.783 13.813	5.820 7.793 9.783 13.813	0.050 0.092 0.146 0.292
Miscellaneous [NA 502-3]	C	None		0.000	178.000	No Ice 1/2" Ice 1" Ice 2" Ice	10.520 13.680 16.610 23.060	10.520 13.680 16.610 23.060	0.662 0.807 1.001 1.551
* ANT450D6-9	A	From Leg	4.000 0.000 7.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.862 4.370 5.878 8.893	2.862 4.370 5.878 8.893	0.176 0.200 0.224 0.272
* 7770.00 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
7770.00 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
7770.00 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
QS66512-2 w/ Mount Pipe	A	From Leg	4.000 0.000	0.000	168.000	No Ice 1/2" Ice	4.040 4.420	4.180 4.570	0.137 0.206

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1" Ice	4.820	4.970	0.287
						2" Ice	5.630	5.790	0.482
QS66512-2 w/ Mount Pipe	B	From Leg	4.000	0.000	168.000	No Ice	4.040	4.180	0.137
			0.000			1/2" Ice	4.420	4.570	0.206
			0.000			1" Ice	4.820	4.970	0.287
						2" Ice	5.630	5.790	0.482
QS66512-2 w/ Mount Pipe	C	From Leg	4.000	0.000	168.000	No Ice	4.040	4.180	0.137
			0.000			1/2" Ice	4.420	4.570	0.206
			0.000			1" Ice	4.820	4.970	0.287
						2" Ice	5.630	5.790	0.482
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.000	0.000	168.000	No Ice	11.960	5.970	0.115
			0.000			1/2" Ice	12.700	6.630	0.201
			0.000			1" Ice	13.460	7.300	0.298
						2" Ice	15.020	8.690	0.529
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.000	0.000	168.000	No Ice	11.960	5.970	0.115
			0.000			1/2" Ice	12.700	6.630	0.201
			0.000			1" Ice	13.460	7.300	0.298
						2" Ice	15.020	8.690	0.529
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.000	0.000	168.000	No Ice	11.960	5.970	0.115
			0.000			1/2" Ice	12.700	6.630	0.201
			0.000			1" Ice	13.460	7.300	0.298
						2" Ice	15.020	8.690	0.529
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.000	0.000	168.000	No Ice	9.220	6.250	0.074
			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
						2" Ice	12.360	9.220	0.420
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.000	0.000	168.000	No Ice	9.220	6.250	0.074
			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
						2" Ice	12.360	9.220	0.420
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.000	0.000	168.000	No Ice	9.220	6.250	0.074
			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
						2" Ice	12.360	9.220	0.420
(2) LGP21401	A	From Leg	4.000	0.000	168.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			0.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
(2) LGP21401	B	From Leg	4.000	0.000	168.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			0.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
(2) LGP21401	C	From Leg	4.000	0.000	168.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			0.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
RRUS 32 B2	A	From Leg	4.000	0.000	168.000	No Ice	2.731	1.668	0.053
			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	B	From Leg	4.000	0.000	168.000	No Ice	2.731	1.668	0.053
			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	C	From Leg	4.000	0.000	168.000	No Ice	2.731	1.668	0.053
			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098

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	Crown Castle	Bhushan

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
DC6-48-60-18-8C-EV	A	From Leg	4.000 0.000 0.000	0.000	168.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.663 2.736 2.962 3.195 3.683	2.458 2.736 2.962 3.195 3.683	0.157 0.026 0.052 0.082 0.152
DC6-48-60-18-8C-EV	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.736 2.962 3.195 3.683	2.736 2.962 3.195 3.683	0.026 0.052 0.082 0.152
DC6-48-60-18-8F	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.212 1.892 2.105 2.570	1.212 1.892 2.105 2.570	0.033 0.055 0.080 0.138
DC6-48-60-18-8C	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.737 2.963 3.196 3.684	2.737 2.963 3.196 3.684	0.026 0.052 0.082 0.152
RRUS E2 B29	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.145 3.365 3.592 4.069	1.285 1.438 1.600 1.954	0.060 0.083 0.110 0.173
RRUS E2 B29	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.145 3.365 3.592 4.069	1.285 1.438 1.600 1.954	0.060 0.083 0.110 0.173
RRUS E2 B29	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.145 3.365 3.592 4.069	1.285 1.438 1.600 1.954	0.060 0.083 0.110 0.173
RRUS 32 B2_CCIV2	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.864 3.090 3.323 3.813	1.782 1.973 2.171 2.589	0.055 0.077 0.103 0.165
RRUS 32 B2_CCIV2	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.864 3.090 3.323 3.813	1.782 1.973 2.171 2.589	0.055 0.077 0.103 0.165
RRUS 32 B2_CCIV2	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.864 3.090 3.323 3.813	1.782 1.973 2.171 2.589	0.055 0.077 0.103 0.165
RRUS 4478 B14_CCIV2	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 4478 B14_CCIV2	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 4478 B14_CCIV2	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS-32 B30	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.314 3.558 3.809 4.333	2.424 2.638 2.860 3.324	0.077 0.105 0.136 0.211

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RRUS-32 B30	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.314 3.558 3.809 4.333	2.424 2.638 2.860 3.324	0.077 0.105 0.136 0.211
RRUS-32 B30	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.314 3.558 3.809 4.333	2.424 2.638 2.860 3.324	0.077 0.105 0.136 0.211
RRUS 32 B66	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.743 2.965 3.194 3.675	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 32 B66	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.743 2.965 3.194 3.675	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 32 B66	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.743 2.965 3.194 3.675	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 4449 B5/B12	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
RRUS 4449 B5/B12	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
RRUS 4449 B5/B12	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
(2) TPX-070821	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.469 0.559 0.656 0.872	0.101 0.147 0.202 0.334	0.008 0.011 0.016 0.030
(2) TPX-070821	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.469 0.559 0.656 0.872	0.101 0.147 0.202 0.334	0.008 0.011 0.016 0.030
4' x 2" Pipe Mount	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
4' x 2" Pipe Mount	B	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
4' x 2" Pipe Mount	C	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	168.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	168.000	No Ice	1.425	1.425	0.022

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	168.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
Platform Mount [LP 304-1_KCKR-HR-1]	C	None		0.000	168.000	No Ice	32.630	32.630	1.880
						1/2" Ice	40.840	40.840	2.472
						1" Ice	49.050	49.050	3.195
						2" Ice	65.620	65.620	5.043
*									
AIR 32 B2A	A	From Leg	4.000	0.000	157.000	No Ice	3.760	3.150	0.194
B66AA_T-MOBILE w/ Mount Pipe			0.000			1/2" Ice	4.120	3.490	0.252
			2.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A	B	From Leg	4.000	0.000	157.000	No Ice	3.760	3.150	0.194
B66AA_T-MOBILE w/ Mount Pipe			0.000			1/2" Ice	4.120	3.490	0.252
			2.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A	C	From Leg	4.000	0.000	157.000	No Ice	3.760	3.150	0.194
B66AA_T-MOBILE w/ Mount Pipe			0.000			1/2" Ice	4.120	3.490	0.252
			2.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Leg	4.000	0.000	157.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Leg	4.000	0.000	157.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Leg	4.000	0.000	157.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
AIR6449 B41_T-MOBILE	A	From Leg	4.000	0.000	157.000	No Ice	5.270	2.030	0.115
			0.000			1/2" Ice	5.700	2.360	0.154
			2.000			1" Ice	6.140	2.700	0.197
						2" Ice	7.060	3.430	0.296
AIR6449 B41_T-MOBILE	B	From Leg	4.000	0.000	157.000	No Ice	5.270	2.030	0.115
			0.000			1/2" Ice	5.700	2.360	0.154
			2.000			1" Ice	6.140	2.700	0.197
						2" Ice	7.060	3.430	0.296
AIR6449 B41_T-MOBILE	C	From Leg	4.000	0.000	157.000	No Ice	5.270	2.030	0.115
			0.000			1/2" Ice	5.700	2.360	0.154
			2.000			1" Ice	6.140	2.700	0.197
						2" Ice	7.060	3.430	0.296
RADIO 4449 B71	A	From Leg	4.000	0.000	157.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			2.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71	B	From Leg	4.000	0.000	157.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			2.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71	C	From Leg	4.000	0.000	157.000	No Ice	1.970	1.587	0.073

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
B85A_T-MOBILE			0.000 2.000			1/2" Ice 1" Ice 2" Ice	2.147 2.331 2.721	1.749 1.918 2.280	0.093 0.116 0.170
RADIO 4415 B25_TMO	A	From Leg	4.000 0.000 2.000	0.000	157.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.856 2.027 2.204 2.582	0.870 0.997 1.134 1.432	0.047 0.062 0.079 0.122
RADIO 4415 B25_TMO	B	From Leg	4.000 0.000 2.000	0.000	157.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.856 2.027 2.204 2.582	0.870 0.997 1.134 1.432	0.047 0.062 0.079 0.122
RADIO 4415 B25_TMO	C	From Leg	4.000 0.000 2.000	0.000	157.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.856 2.027 2.204 2.582	0.870 0.997 1.134 1.432	0.047 0.062 0.079 0.122
8' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	157.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
8' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	157.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
8' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	157.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
Platform Mount [LP 305-1_KCKR-HR-1]	C	None		0.000	157.000	No Ice 1/2" Ice 1" Ice 2" Ice	30.810 38.700 46.630 62.740	30.810 38.700 46.630 62.740	1.641 2.199 2.884 4.647
*									
800MHZ RRH	A	From Leg	4.000 0.000 -2.000	0.000	142.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
800MHZ RRH	B	From Leg	4.000 0.000 -2.000	0.000	142.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
800MHZ RRH	C	From Leg	4.000 0.000 -2.000	0.000	142.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
800 EXTERNAL NOTCH FILTER	A	From Leg	4.000 0.000 -2.000	0.000	142.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.321 0.398 0.483 0.674	0.011 0.017 0.024 0.045
800 EXTERNAL NOTCH FILTER	B	From Leg	4.000 0.000 -2.000	0.000	142.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.321 0.398 0.483 0.674	0.011 0.017 0.024 0.045
800 EXTERNAL NOTCH FILTER	C	From Leg	4.000 0.000 -2.000	0.000	142.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.321 0.398 0.483 0.674	0.011 0.017 0.024 0.045
1900MHZ RRH (65MHZ)	A	From Leg	4.000	0.000	142.000	No Ice	2.313	2.375	0.060

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
(2) NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.700	3.290 3.670 4.060 4.860	0.069 0.132 0.205 0.385
(2) NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.700	3.290 3.670 4.060 4.860	0.069 0.132 0.205 0.385
(2) NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.700	3.290 3.670 4.060 4.860	0.069 0.132 0.205 0.385
BXA-70080-4BF-EDIN-0 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.807 4.171 4.543 5.314	3.970 4.578 5.195 6.460	0.030 0.068 0.112 0.219
BXA-70080-4BF-EDIN-0 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.807 4.171 4.543 5.314	3.970 4.578 5.195 6.460	0.030 0.068 0.112 0.219
BXA-70080-4BF-EDIN-0 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.807 4.171 4.543 5.314	3.970 4.578 5.195 6.460	0.030 0.068 0.112 0.219
CBRS	A	From Leg	4.000 0.000 -2.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.540 1.790 2.060 2.670	0.610 0.800 1.020 1.510	0.023 0.035 0.049 0.086
CBRS	B	From Leg	4.000 0.000 -2.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.540 1.790 2.060 2.670	0.610 0.800 1.020 1.510	0.023 0.035 0.049 0.086
CBRS	C	From Leg	4.000 0.000 -2.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.540 1.790 2.060 2.670	0.610 0.800 1.020 1.510	0.023 0.035 0.049 0.086
(2) MT6407-77A w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
(2) MT6407-77A w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
(2) MT6407-77A w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
GPS_A	A	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.255 0.320 0.393 0.561	0.255 0.320 0.393 0.561	0.001 0.005 0.010 0.025
RFV01U-D1A	A	From Leg	4.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D1A	B	From Leg	4.000	0.000	90.000	No Ice	1.875	1.250	0.084

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	C	From Leg	4.000	0.000	90.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D2A	A	From Leg	4.000	0.000	90.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	B	From Leg	4.000	0.000	90.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	C	From Leg	4.000	0.000	90.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
DB-T1-6Z-8AB-0Z	B	From Leg	4.000	0.000	90.000	No Ice	4.800	2.000	0.044
			0.000			1/2" Ice	5.070	2.193	0.080
			0.000			1" Ice	5.348	2.393	0.120
						2" Ice	5.926	2.815	0.213
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	90.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	90.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	90.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
(2) L 2.5x2.5x3/16x6'	A	From Leg	4.000	0.000	90.000	No Ice	1.500	0.005	0.025
			0.000			1/2" Ice	1.918	0.024	0.034
			5.000			1" Ice	2.343	0.049	0.048
						2" Ice	3.215	0.123	0.091
(2) L 2.5x2.5x3/16x6'	B	From Leg	4.000	0.000	90.000	No Ice	1.500	0.005	0.025
			0.000			1/2" Ice	1.918	0.024	0.034
			5.000			1" Ice	2.343	0.049	0.048
						2" Ice	3.215	0.123	0.091
(2) L 2.5x2.5x3/16x6'	C	From Leg	4.000	0.000	90.000	No Ice	1.500	0.005	0.025
			0.000			1/2" Ice	1.918	0.024	0.034
			5.000			1" Ice	2.343	0.049	0.048
						2" Ice	3.215	0.123	0.091
Side Arm Mount [SO 102-3]	A	None		0.000	95.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
						2" Ice	5.900	5.900	0.195
Platform Mount [LP 1201-1]	C	None		0.000	90.000	No Ice	18.380	18.380	2.100
						1/2" Ice	22.110	22.110	2.652
						1" Ice	25.870	25.870	3.263
						2" Ice	33.470	33.470	4.662
Miscellaneous [NA 507-1]	C	None		0.000	93.000	No Ice	4.560	4.560	0.245
						1/2" Ice	6.390	6.390	0.311

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K					
Side Arm Mount [SO 102-3]	A	None		0.000	90.000	1" Ice	8.180	0.402					
						2" Ice	11.660	0.657					
						No Ice	3.600	0.075					
						1/2" Ice	4.180	0.105					
						1" Ice	4.750	0.135					
						2" Ice	5.900	0.195					
* GPS_A	C	From Leg	3.000 0.000 2.000	0.000	73.000	No Ice	0.255	0.001					
1/2" Ice						0.320	0.005						
1" Ice						0.393	0.010						
2" Ice						0.561	0.025						
Side Arm Mount [SO 701-1]						C	From Leg	1.500 0.000 0.000	0.000	73.000	No Ice	0.850	0.065
											1/2" Ice	1.140	0.079
	1" Ice	1.430	0.093										
	2" Ice	2.010	0.121										
	* *												

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	Aperture Area ft²	Weight K
Radiowaves HPD2-4.7	A	Paraboloid w/Shroud (HP)	From Leg	6.000	75.000		178.000	2.042	No Ice	3.270
				0.000					1/2" Ice	3.550
				-1.000					1" Ice	3.820
									2" Ice	4.360
Radiowaves HPD2-4.7	B	Paraboloid w/Shroud (HP)	From Leg	6.000	-24.000		178.000	2.042	No Ice	3.270
				0.000					1/2" Ice	3.550
				-1.000					1" Ice	3.820
									2" Ice	4.360
*										
*										

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

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Comb. No.	Description
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	182 - 177	Pole	Max Tension	3	0.000	-0.000	-0.000
			Max. Compression	26	-3.464	0.685	0.541
			Max. Mx	20	-0.716	14.612	0.040
			Max. My	2	-0.723	0.085	14.516
			Max. Vy	20	-2.466	14.612	0.040
			Max. Vx	2	-2.464	0.085	14.516
			Max. Torque	4			0.969
L2	177 - 172	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-4.215	0.052	0.924
			Max. Mx	20	-0.903	29.908	-0.127
			Max. My	2	-0.960	-0.232	28.982
			Max. Vy	20	-3.266	29.908	-0.127
			Max. Vx	2	-3.040	-0.232	28.982
			Max. Torque	18			-1.440
L3	172 - 167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-21.303	0.022	2.820
			Max. Mx	20	-5.091	57.692	0.654
			Max. My	2	-5.181	-0.440	56.693

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L4	167 - 162	Pole	Max. Vy	20	-13.068	57.692	0.654
			Max. Vx	2	-12.799	-0.440	56.693
			Max. Torque	20			-2.595
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-22.010	-0.028	2.928
			Max. Mx	20	-5.485	123.973	0.590
			Max. My	2	-5.574	-0.653	121.629
			Max. Vy	20	-13.450	123.973	0.590
L5	162 - 157	Pole	Max. Vx	2	-13.180	-0.653	121.629
			Max. Torque	20			-2.595
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-22.750	-0.080	3.029
			Max. Mx	20	-5.919	192.179	0.519
			Max. My	2	-6.006	-0.868	188.486
			Max. Vy	20	-13.841	192.179	0.519
			Max. Vx	2	-13.570	-0.868	188.486
L6	157 - 152	Pole	Max. Torque	20			-2.594
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.801	-0.149	3.161
			Max. Mx	20	-9.706	295.288	0.457
			Max. My	2	-9.804	-1.089	290.200
			Max. Vy	20	-19.710	295.288	0.457
			Max. Vx	2	-19.431	-1.089	290.200
			Max. Torque	20			-2.591
L7	152 - 147	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.651	-0.220	3.283
			Max. Mx	20	-10.311	394.759	0.385
			Max. My	2	-10.405	-1.312	388.275
			Max. Vy	20	-20.096	394.759	0.385
			Max. Vx	2	-19.816	-1.312	388.275
			Max. Torque	20			-2.588
			Max Tension	1	0.000	0.000	0.000
L8	147 - 142	Pole	Max. Compression	26	-36.532	-0.292	3.394
			Max. Mx	20	-10.956	496.154	0.306
			Max. My	2	-11.046	-1.535	488.271
			Max. Vy	20	-20.483	496.154	0.306
			Max. Vx	2	-20.202	-1.535	488.271
			Max. Torque	20			-2.583
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.140	-0.445	3.554
L9	142 - 137	Pole	Max. Mx	20	-15.132	615.335	0.233
			Max. My	2	-15.225	-1.775	606.050
			Max. Vy	20	-24.656	615.335	0.233
			Max. Vx	2	-24.368	-1.775	606.050
			Max. Torque	20			-2.578
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.175	-0.455	3.567
			Max. Mx	20	-15.178	619.426	0.233
L10	137 - 133.081	Pole	Max. My	2	-15.270	-1.783	610.095
			Max. Vy	20	-24.659	619.426	0.233
			Max. Vx	2	-24.371	-1.783	610.095
			Max. Torque	20			-2.574
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.996	-0.662	3.752
			Max. Mx	20	-16.306	744.017	0.164
			Max. My	2	-16.397	-2.034	733.284
L11	133.081 - 131.834	Pole	Max. Vy	20	-25.186	744.017	0.164
			Max. Vx	2	-24.897	-2.034	733.284
			Max. Torque	20			-2.571
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.996	-0.662	3.752
			Max. Mx	20	-16.306	744.017	0.164
			Max. My	2	-16.397	-2.034	733.284
			Max. Vy	20	-25.186	744.017	0.164
L12	131.834 -	Pole	Max. Vx	2	-24.897	-2.034	733.284
			Max. Torque	20			-2.571

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	126.834						
			Max. Compression	26	-50.294	-0.876	3.940
			Max. Mx	20	-17.250	870.913	0.093
			Max. My	2	-17.337	-2.286	858.775
			Max. Vy	20	-25.612	870.913	0.093
			Max. Vx	2	-25.323	-2.286	858.775
			Max. Torque	20			-2.570
L13	126.834 - 121.834	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.632	-1.096	4.126
			Max. Mx	20	-18.226	999.958	0.020
			Max. My	2	-18.309	-2.539	986.417
			Max. Vy	20	-26.045	999.958	0.020
			Max. Vx	2	-25.756	-2.539	986.417
			Max. Torque	20			-2.566
L14	121.834 - 116.834	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-53.011	-1.320	4.309
			Max. Mx	20	-19.237	1131.177	-0.056
			Max. My	2	-19.316	-2.793	1116.233
			Max. Vy	20	-26.483	1131.177	-0.056
			Max. Vx	2	-26.194	-2.793	1116.233
			Max. Torque	20			-2.562
L15	116.834 - 111.834	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.429	-1.549	4.489
			Max. Mx	20	-20.281	1264.590	-0.133
			Max. My	2	-20.356	-3.048	1248.247
			Max. Vy	20	-26.925	1264.590	-0.133
			Max. Vx	2	-26.637	-3.048	1248.247
			Max. Torque	20			-2.557
L16	111.834 - 106.834	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.886	-1.783	4.667
			Max. Mx	20	-21.358	1400.221	-0.211
			Max. My	2	-21.428	-3.303	1382.480
			Max. Vy	20	-27.372	1400.221	-0.211
			Max. Vx	2	-27.083	-3.303	1382.480
			Max. Torque	20			-2.553
L17	106.834 - 101.834	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.383	-2.020	4.843
			Max. Mx	20	-22.466	1538.091	-0.290
			Max. My	2	-22.532	-3.558	1518.955
			Max. Vy	20	-27.823	1538.091	-0.290
			Max. Vx	2	-27.534	-3.558	1518.955
			Max. Torque	20			-2.549
L18	101.834 - 96.834	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-58.919	-2.262	5.018
			Max. Mx	20	-23.605	1678.219	-0.369
			Max. My	2	-23.668	-3.813	1657.694
			Max. Vy	20	-28.277	1678.219	-0.369
			Max. Vx	2	-27.989	-3.813	1657.694
			Max. Torque	20			-2.545
L19	96.834 - 87.449	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-61.184	-2.478	5.170
			Max. Mx	20	-24.970	1802.986	-0.439
			Max. My	2	-25.030	-4.037	1781.251
			Max. Vy	20	-29.116	1802.986	-0.439

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L20	87.449 - 86.449	Pole	Max. Vx	2	-28.829	-4.037	1781.251
			Max. Torque	20		-2.542	
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.565	-3.784	4.935
			Max. Mx	20	-31.573	1999.457	-0.486
L21	86.449 - 85	Pole	Max. My	2	-31.642	-4.392	1975.950
			Max. Vy	20	-34.586	1999.457	-0.486
			Max. Vx	2	-34.238	-4.392	1975.950
			Max. Torque	20		-2.385	
			Max Tension	1	0.000	0.000	0.000
L22	85 - 84.75	Pole	Max. Compression	26	-77.108	-3.859	4.988
			Max. Mx	20	-31.936	2049.613	-0.440
			Max. My	2	-32.003	-4.398	2025.617
			Max. Vy	20	-34.713	2049.613	-0.440
			Max. Vx	2	-34.366	-4.398	2025.617
L23	84.75 - 79.75	Pole	Max. Torque	20		-2.385	
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-77.202	-3.877	5.005
			Max. Mx	20	-32.032	2058.284	-0.431
			Max. My	2	-32.098	-4.399	2034.204
L24	79.75 - 75	Pole	Max. Vy	20	-34.708	2058.284	-0.431
			Max. Vx	2	-34.361	-4.399	2034.204
			Max. Torque	20		-2.384	
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.101	-4.132	5.179
L25	75 - 74.75	Pole	Max. Mx	20	-33.328	2232.739	-0.273
			Max. My	2	-33.390	-4.420	2206.980
			Max. Vy	20	-35.123	2232.739	-0.273
			Max. Vx	2	-34.777	-4.420	2206.980
			Max. Torque	20		-2.384	
L26	74.75 - 74	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-81.026	-4.379	5.349
			Max. Mx	20	-34.602	2400.317	-0.123
			Max. My	2	-34.659	-4.439	2372.971
			Max. Vy	20	-35.506	2400.317	-0.123
L27	74 - 73.75	Pole	Max. Vx	2	-35.161	-4.439	2372.971
			Max. Torque	20		-2.380	
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-81.170	-4.401	5.372
			Max. Mx	20	-34.726	2409.188	-0.114
L28	73.75 - 68.75	Pole	Max. My	2	-34.783	-4.440	2381.759
			Max. Vy	20	-35.511	2409.188	-0.114
			Max. Vx	2	-35.167	-4.440	2381.759
			Max. Torque	20		-2.378	
			Max Tension	1	0.000	0.000	0.000
L29	73.75 - 68.75	Pole	Max. Compression	26	-81.601	-4.433	5.388
			Max. Mx	20	-35.011	2435.843	-0.091
			Max. My	2	-35.068	-4.443	2408.163
			Max. Vy	20	-35.600	2435.843	-0.091
			Max. Vx	2	-35.256	-4.443	2408.163
L30	73.75 - 68.75	Pole	Max. Torque	20		-2.378	
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-81.710	-4.449	5.401
			Max. Mx	20	-35.084	2444.741	-0.083
			Max. My	2	-35.140	-4.444	2416.978
L31	73.75 - 68.75	Pole	Max. Vy	20	-35.619	2444.741	-0.083
			Max. Vx	2	-35.275	-4.444	2416.978
			Max. Torque	20		-2.378	
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-83.940	-4.301	5.337

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L29	68.75 - 63.75	Pole	Max. Mx	20	-36.522	2624.260	0.034
			Max. My	2	-36.572	-4.200	2594.581
			Max. Vy	20	-36.098	2624.260	0.034
			Max. Vx	2	-35.774	-4.200	2594.581
			Max. Torque	20			-2.377
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-85.979	-4.605	5.536
			Max. Mx	20	-37.936	2805.557	0.276
			Max. My	2	-37.982	-4.138	2774.325
			Max. Vy	20	-36.490	2805.557	0.276
L30	63.75 - 58.75	Pole	Max. Vx	2	-36.168	-4.138	2774.325
			Max. Torque	20			-2.228
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-88.051	-4.909	5.732
			Max. Mx	20	-39.380	2988.804	0.518
			Max. My	2	-39.421	-4.076	2956.029
			Max. Vy	20	-36.879	2988.804	0.518
			Max. Vx	2	-36.559	-4.076	2956.029
			Max. Torque	20			-2.225
			Max Tension	1	0.000	0.000	0.000
L31	58.75 - 53.75	Pole	Max. Compression	26	-90.156	-5.214	5.927
			Max. Mx	20	-40.854	3173.980	0.759
			Max. My	2	-40.890	-4.013	3139.673
			Max. Vy	20	-37.263	3173.980	0.759
			Max. Vx	2	-36.944	-4.013	3139.673
			Max. Torque	20			-2.223
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-92.079	-5.500	6.107
			Max. Mx	20	-42.253	3348.634	0.984
			Max. My	2	-42.285	-3.954	3312.909
L32	53.75 - 42.848	Pole	Max. Vy	20	-37.613	3348.634	0.984
			Max. Vx	2	-37.297	-3.954	3312.909
			Max. Torque	20			-2.221
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-97.290	-5.934	6.376
			Max. Mx	20	-45.898	3623.373	1.335
			Max. My	2	-45.927	-3.863	3585.459
			Max. Vy	20	-38.405	3623.373	1.335
			Max. Vx	2	-38.089	-3.863	3585.459
			Max. Torque	20			-2.219
L34	41.848 - 36.848	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-99.452	-6.204	6.532
			Max. Mx	20	-47.609	3816.165	1.576
			Max. My	2	-47.635	-3.800	3776.746
			Max. Vy	20	-38.783	3816.165	1.576
			Max. Vx	2	-38.469	-3.800	3776.746
			Max. Torque	20			-2.219
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-101.648	-6.476	6.689
			Max. Mx	20	-49.355	4010.813	1.817
L35	36.848 - 31.848	Pole	Max. My	2	-49.377	-3.737	3969.902
			Max. Vy	20	-39.149	4010.813	1.817
			Max. Vx	2	-38.837	-3.737	3969.902
			Max. Torque	20			-2.218
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-103.878	-6.749	6.846
			Max. Mx	20	-51.133	4207.250	2.057
			Max. My	2			
			Max. Vy	20			
			Max. Vx	2			
L36	31.848 - 26.848	Pole	Max. Torque	20			-2.218
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-103.878	-6.749	6.846
			Max. Mx	20	-51.133	4207.250	2.057
			Max. My	2			
			Max. Vy	20			
			Max. Vx	2			
			Max. Torque	20			-2.218
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-103.878	-6.749	6.846

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L37	26.848 - 21.848	Pole	Max. My	2	-51.151	-3.674	4164.859
			Max. Vy	20	-39.499	4207.250	2.057
			Max. Vx	2	-39.189	-3.674	4164.859
			Max. Torque	20			-2.217
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-106.139	-7.022	7.004
L38	21.848 - 16.848	Pole	Max. Mx	20	-52.944	4405.390	2.297
			Max. My	2	-52.959	-3.611	4361.531
			Max. Vy	20	-39.831	4405.390	2.297
			Max. Vx	2	-39.523	-3.611	4361.531
			Max. Torque	20			-2.216
			Max Tension	1	0.000	0.000	0.000
L39	16.848 - 11.848	Pole	Max. Compression	26	-108.429	-7.293	7.160
			Max. Mx	20	-54.788	4605.125	2.537
			Max. My	2	-54.799	-3.549	4559.812
			Max. Vy	20	-40.138	4605.125	2.537
			Max. Vx	2	-39.833	-3.549	4559.812
			Max. Torque	20			-2.215
L40	11.848 - 6.848	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-110.741	-7.560	7.314
			Max. Mx	20	-56.664	4806.329	2.776
			Max. My	2	-56.672	-3.487	4759.576
			Max. Vy	20	-40.419	4806.329	2.776
			Max. Vx	2	-40.117	-3.487	4759.576
L41	6.848 - 1.848	Pole	Max. Torque	20			-2.215
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-113.068	-7.820	7.464
			Max. Mx	20	-58.572	5008.942	3.014
			Max. My	2	-58.577	-3.424	4960.763
			Max. Vy	20	-40.702	5008.942	3.014
L42	1.848 - 0	Pole	Max. Vx	2	-40.402	-3.424	4960.763
			Max. Torque	20			-2.215
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-115.388	-8.062	7.603
			Max. Mx	20	-60.512	5212.973	3.252
			Max. My	2	-60.514	-3.362	5163.382
			Max. Vy	20	-40.987	5212.973	3.252
			Max. Vx	2	-40.690	-3.362	5163.382
			Max. Torque	20			-2.214
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.223	-8.138	7.647
			Max. Mx	20	-61.221	5288.745	3.340
			Max. My	2	-61.221	-3.340	5238.636
			Max. Vy	20	-41.118	5288.745	3.340
			Max. Vx	2	-40.821	-3.340	5238.636
			Max. Torque	20			-2.214

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	30	116.223	-11.525	-0.012
	Max. H _x	20	61.256	41.066	0.042
	Max. H _z	3	45.942	0.023	40.769

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Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Max. M _x	2	5238.636	0.023	40.769
	Max. M _z	8	5272.612	-40.970	-0.047
	Max. Torsion	8	2.041	-40.970	-0.047
	Min. Vert	17	45.942	20.583	-35.243
	Min. H _x	8	61.256	-40.970	-0.047
	Min. H _z	15	45.942	-0.039	-40.769
	Min. M _x	14	-5234.688	-0.039	-40.769
	Min. M _z	20	-5288.745	41.066	0.042
	Min. Torsion	20	-2.214	41.066	0.042

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	51.046	0.000	-0.000	-1.499	-0.878	-0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	61.256	-0.023	-40.769	-5238.636	-3.340	-0.281
0.9 Dead+1.0 Wind 0 deg - No Ice	45.942	-0.023	-40.769	-5131.934	-2.915	-0.276
1.2 Dead+1.0 Wind 30 deg - No Ice	61.256	20.514	-35.243	-4527.702	-2648.445	-1.308
0.9 Dead+1.0 Wind 30 deg - No Ice	45.942	20.514	-35.243	-4435.439	-2594.306	-1.268
1.2 Dead+1.0 Wind 60 deg - No Ice	61.256	35.478	-20.301	-2609.657	-4569.246	-1.924
0.9 Dead+1.0 Wind 60 deg - No Ice	45.942	35.478	-20.301	-2556.270	-4476.215	-1.861
1.2 Dead+1.0 Wind 90 deg - No Ice	61.256	40.970	0.047	0.668	-5272.612	-2.041
0.9 Dead+1.0 Wind 90 deg - No Ice	45.942	40.970	0.047	1.197	-5165.377	-1.971
1.2 Dead+1.0 Wind 120 deg - No Ice	61.256	35.542	20.377	2608.931	-4574.999	-1.762
0.9 Dead+1.0 Wind 120 deg - No Ice	45.942	35.542	20.377	2556.638	-4481.909	-1.705
1.2 Dead+1.0 Wind 150 deg - No Ice	61.256	20.602	35.298	4528.009	-2653.998	-0.915
0.9 Dead+1.0 Wind 150 deg - No Ice	45.942	20.602	35.298	4436.775	-2599.860	-0.885
1.2 Dead+1.0 Wind 180 deg - No Ice	61.256	0.039	40.769	5234.688	-2.051	0.385
0.9 Dead+1.0 Wind 180 deg - No Ice	45.942	0.039	40.769	5129.059	-1.803	0.380
1.2 Dead+1.0 Wind 210 deg - No Ice	61.256	-20.583	35.243	4523.819	2659.557	1.548
0.9 Dead+1.0 Wind 210 deg - No Ice	45.942	-20.583	35.243	4432.618	2605.694	1.509
1.2 Dead+1.0 Wind 240 deg - No Ice	61.256	-35.570	20.322	2609.790	4584.518	2.074
0.9 Dead+1.0 Wind 240 deg - No Ice	45.942	-35.570	20.322	2557.354	4491.663	2.012
1.2 Dead+1.0 Wind 270 deg - No Ice	61.256	-41.066	-0.042	-3.339	5288.745	2.214
0.9 Dead+1.0 Wind 270 deg - No Ice	45.942	-41.066	-0.042	-2.858	5181.653	2.145
1.2 Dead+1.0 Wind 300 deg - No Ice	61.256	-35.631	-20.382	-2613.678	4589.922	1.914

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
0.9 Dead+1.0 Wind 300 deg - No Ice	45.942	-35.631	-20.382	-2560.322	4496.987	1.856
1.2 Dead+1.0 Wind 330 deg - No Ice	61.256	-20.649	-35.289	-4529.946	2660.788	0.797
0.9 Dead+1.0 Wind 330 deg - No Ice	45.942	-20.649	-35.289	-4437.696	2607.002	0.765
1.2 Dead+1.0 Ice+1.0 Temp	116.223	0.000	-0.000	-7.647	-8.138	-0.001
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	116.223	-0.007	-11.488	-1682.114	-8.865	-0.186
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	116.223	5.767	-9.934	-1455.475	-852.504	-0.620
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	116.223	9.979	-5.724	-842.320	-1466.228	-0.877
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	116.223	11.525	0.012	-7.132	-1690.951	-0.904
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	116.223	9.995	5.744	827.534	-1467.654	-0.724
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	116.223	5.789	9.948	1440.939	-853.875	-0.327
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	116.223	0.010	11.488	1666.513	-8.531	0.208
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	116.223	-5.782	9.934	1439.925	839.249	0.680
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	116.223	-9.999	5.729	827.797	1454.066	0.915
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	116.223	-11.546	-0.011	-8.126	1679.032	0.942
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	116.223	-10.014	-5.745	-843.353	1455.419	0.750
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	116.223	-5.799	-9.946	-1456.050	839.550	0.291
Dead+Wind 0 deg - Service	51.046	-0.005	-8.848	-1128.231	-1.392	-0.063
Dead+Wind 30 deg - Service	51.046	4.452	-7.648	-975.312	-570.467	-0.291
Dead+Wind 60 deg - Service	51.046	7.700	-4.406	-562.680	-983.764	-0.431
Dead+Wind 90 deg - Service	51.046	8.891	0.010	-1.054	-1135.123	-0.462
Dead+Wind 120 deg - Service	51.046	7.713	4.422	560.130	-985.012	-0.403
Dead+Wind 150 deg - Service	51.046	4.471	7.661	972.991	-571.676	-0.212
Dead+Wind 180 deg - Service	51.046	0.008	8.848	1124.997	-1.121	0.087
Dead+Wind 210 deg - Service	51.046	-4.467	7.649	972.100	571.519	0.357
Dead+Wind 240 deg - Service	51.046	-7.719	4.410	560.331	985.740	0.475
Dead+Wind 270 deg - Service	51.046	-8.912	-0.009	-1.925	1137.284	0.502
Dead+Wind 300 deg - Service	51.046	-7.733	-4.423	-563.572	986.890	0.428
Dead+Wind 330 deg - Service	51.046	-4.481	-7.658	-975.801	571.773	0.174

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-51.046	0.000	0.000	51.046	0.000	0.000%
2	-0.023	-61.256	-40.769	0.023	61.256	40.769	0.000%
3	-0.023	-45.942	-40.769	0.023	45.942	40.769	0.000%
4	20.514	-61.256	-35.243	-20.514	61.256	35.243	0.000%
5	20.514	-45.942	-35.243	-20.514	45.942	35.243	0.000%
6	35.478	-61.256	-20.301	-35.478	61.256	20.301	0.000%
7	35.478	-45.942	-20.301	-35.478	45.942	20.301	0.000%
8	40.970	-61.256	0.047	-40.970	61.256	-0.047	0.000%
9	40.970	-45.942	0.047	-40.970	45.942	-0.047	0.000%
10	35.542	-61.256	20.377	-35.542	61.256	-20.377	0.000%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
11	35.542	-45.942	20.377	-35.542	45.942	-20.377	0.000%
12	20.602	-61.256	35.298	-20.602	61.256	-35.298	0.000%
13	20.602	-45.942	35.298	-20.602	45.942	-35.298	0.000%
14	0.039	-61.256	40.769	-0.039	61.256	-40.769	0.000%
15	0.039	-45.942	40.769	-0.039	45.942	-40.769	0.000%
16	-20.583	-61.256	35.243	20.583	61.256	-35.243	0.000%
17	-20.583	-45.942	35.243	20.583	45.942	-35.243	0.000%
18	-35.570	-61.256	20.322	35.570	61.256	-20.322	0.000%
19	-35.570	-45.942	20.322	35.570	45.942	-20.322	0.000%
20	-41.066	-61.256	-0.042	41.066	61.256	0.042	0.000%
21	-41.066	-45.942	-0.042	41.066	45.942	0.042	0.000%
22	-35.631	-61.256	-20.382	35.631	61.256	20.382	0.000%
23	-35.631	-45.942	-20.382	35.631	45.942	20.382	0.000%
24	-20.649	-61.256	-35.289	20.649	61.256	35.289	0.000%
25	-20.649	-45.942	-35.289	20.649	45.942	35.289	0.000%
26	0.000	-116.223	0.000	-0.000	116.223	0.000	0.000%
27	-0.007	-116.223	-11.488	0.007	116.223	11.488	0.000%
28	5.767	-116.223	-9.934	-5.767	116.223	9.934	0.000%
29	9.979	-116.223	-5.724	-9.979	116.223	5.724	0.000%
30	11.525	-116.223	0.012	-11.525	116.223	-0.012	0.000%
31	9.995	-116.223	5.744	-9.995	116.223	-5.744	0.000%
32	5.789	-116.223	9.948	-5.789	116.223	-9.948	0.000%
33	0.010	-116.223	11.488	-0.010	116.223	-11.488	0.000%
34	-5.782	-116.223	9.934	5.782	116.223	-9.934	0.000%
35	-9.999	-116.223	5.729	9.999	116.223	-5.729	0.000%
36	-11.546	-116.223	-0.011	11.546	116.223	0.011	0.000%
37	-10.014	-116.223	-5.745	10.014	116.223	5.745	0.000%
38	-5.799	-116.223	-9.946	5.799	116.223	9.946	0.000%
39	-0.005	-51.046	-8.848	0.005	51.046	8.848	0.000%
40	4.452	-51.046	-7.648	-4.452	51.046	7.648	0.000%
41	7.700	-51.046	-4.406	-7.700	51.046	4.406	0.000%
42	8.891	-51.046	0.010	-8.891	51.046	-0.010	0.000%
43	7.713	-51.046	4.422	-7.713	51.046	-4.422	0.000%
44	4.471	-51.046	7.661	-4.471	51.046	-7.661	0.000%
45	0.008	-51.046	8.848	-0.008	51.046	-8.848	0.000%
46	-4.467	-51.046	7.649	4.467	51.046	-7.649	0.000%
47	-7.719	-51.046	4.410	7.719	51.046	-4.410	0.000%
48	-8.912	-51.046	-0.009	8.912	51.046	0.009	0.000%
49	-7.733	-51.046	-4.423	7.733	51.046	4.423	0.000%
50	-4.481	-51.046	-7.658	4.481	51.046	7.658	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00001012
2	Yes	6	0.00000001	0.00012846
3	Yes	5	0.00000001	0.00048286
4	Yes	8	0.00000001	0.00017929
5	Yes	7	0.00000001	0.00042036
6	Yes	8	0.00000001	0.00018741
7	Yes	7	0.00000001	0.00044199
8	Yes	6	0.00000001	0.00078518
9	Yes	6	0.00000001	0.00023262
10	Yes	8	0.00000001	0.00017893
11	Yes	7	0.00000001	0.00041984
12	Yes	8	0.00000001	0.00018435
13	Yes	7	0.00000001	0.00043383
14	Yes	6	0.00000001	0.00019600

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15	Yes	5	0.00000001	0.00089842
16	Yes	8	0.00000001	0.00018518
17	Yes	7	0.00000001	0.00043593
18	Yes	8	0.00000001	0.00017769
19	Yes	7	0.00000001	0.00041629
20	Yes	6	0.00000001	0.00082168
21	Yes	6	0.00000001	0.00024421
22	Yes	8	0.00000001	0.00018752
23	Yes	7	0.00000001	0.00044195
24	Yes	8	0.00000001	0.00018050
25	Yes	7	0.00000001	0.00042336
26	Yes	5	0.00000001	0.00077363
27	Yes	9	0.00000001	0.00029461
28	Yes	9	0.00000001	0.00076400
29	Yes	9	0.00000001	0.00078615
30	Yes	9	0.00000001	0.00029963
31	Yes	9	0.00000001	0.00073810
32	Yes	9	0.00000001	0.00076176
33	Yes	9	0.00000001	0.00029032
34	Yes	9	0.00000001	0.00075695
35	Yes	9	0.00000001	0.00073150
36	Yes	9	0.00000001	0.00029838
37	Yes	9	0.00000001	0.00077812
38	Yes	9	0.00000001	0.00075650
39	Yes	5	0.00000001	0.00037412
40	Yes	6	0.00000001	0.00045170
41	Yes	6	0.00000001	0.00048602
42	Yes	5	0.00000001	0.00067349
43	Yes	6	0.00000001	0.00043842
44	Yes	6	0.00000001	0.00046906
45	Yes	5	0.00000001	0.00037993
46	Yes	6	0.00000001	0.00047816
47	Yes	6	0.00000001	0.00043938
48	Yes	5	0.00000001	0.00070950
49	Yes	6	0.00000001	0.00048852
50	Yes	6	0.00000001	0.00045721

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	182 - 177	50.973	48	2.659	0.013
L2	177 - 172	48.191	48	2.657	0.013
L3	172 - 167	45.418	48	2.640	0.011
L4	167 - 162	42.667	48	2.616	0.010
L5	162 - 157	39.950	48	2.571	0.009
L6	157 - 152	37.292	48	2.506	0.007
L7	152 - 147	34.711	48	2.421	0.006
L8	147 - 142	32.227	48	2.321	0.005
L9	142 - 137	29.855	48	2.210	0.004
L10	137 - 133.081	27.603	48	2.091	0.004
L11	136.834 - 131.834	27.530	48	2.087	0.004
L12	131.834 - 126.834	25.373	48	2.025	0.003
L13	126.834 - 121.834	23.302	48	1.931	0.003
L14	121.834 - 116.834	21.330	48	1.836	0.003
L15	116.834 - 111.834	19.457	48	1.741	0.002
L16	111.834 - 106.834	17.683	48	1.646	0.002
L17	106.834 - 101.834	16.009	48	1.553	0.002
L18	101.834 - 96.834	14.431	48	1.460	0.002

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L19	96.834 - 87.449	12.950	48	1.369	0.001
L20	92.47 - 86.449	11.734	48	1.292	0.001
L21	86.449 - 85	10.141	48	1.228	0.001
L22	85 - 84.75	9.772	48	1.201	0.001
L23	84.75 - 79.75	9.709	48	1.197	0.001
L24	79.75 - 75	8.504	48	1.105	0.001
L25	75 - 74.75	7.448	48	1.020	0.001
L26	74.75 - 74	7.394	48	1.017	0.001
L27	74 - 73.75	7.235	48	1.010	0.001
L28	73.75 - 68.75	7.182	48	1.006	0.001
L29	68.75 - 63.75	6.176	48	0.917	0.001
L30	63.75 - 58.75	5.260	48	0.831	0.001
L31	58.75 - 53.75	4.434	48	0.747	0.001
L32	53.75 - 42.848	3.696	48	0.664	0.000
L33	49.08 - 41.848	3.083	48	0.589	0.000
L34	41.848 - 36.848	2.233	48	0.528	0.000
L35	36.848 - 31.848	1.716	48	0.459	0.000
L36	31.848 - 26.848	1.271	48	0.392	0.000
L37	26.848 - 21.848	0.895	48	0.326	0.000
L38	21.848 - 16.848	0.588	48	0.262	0.000
L39	16.848 - 11.848	0.346	48	0.199	0.000
L40	11.848 - 6.848	0.170	48	0.138	0.000
L41	6.848 - 1.848	0.056	48	0.079	0.000
L42	1.848 - 0	0.004	48	0.021	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
178.000	DS4C06F36D-D	48	48.747	2.658	0.013	28802
177.000	Radiowaves HPD2-4.7	48	48.191	2.657	0.013	28802
168.000	ANT450D6-9	48	43.215	2.622	0.010	9515
157.000	AIR 32 B2A B66AA T-MOBILE w/ Mount Pipe	48	37.292	2.506	0.007	3835
142.000	800MHZ RRH	48	29.855	2.210	0.004	2502
140.000	APXVSPPI8-C-A20 w/ Mount Pipe	48	28.939	2.164	0.004	2552
95.000	Side Arm Mount [SO 102-3]	48	12.432	1.334	0.001	3621
93.000	Miscellaneous [NA 507-1]	48	11.879	1.299	0.001	4224
90.000	(2) NHH-65B-R2B w/ Mount Pipe	48	11.069	1.267	0.001	4616
73.000	GPS_A	48	7.025	0.992	0.001	3453

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	182 - 177	236.172	20	12.350	0.059
L2	177 - 172	223.341	20	12.339	0.059
L3	172 - 167	210.555	20	12.263	0.052
L4	167 - 162	197.863	20	12.154	0.047
L5	162 - 157	185.327	20	11.948	0.039
L6	157 - 152	173.052	20	11.650	0.033
L7	152 - 147	161.129	20	11.259	0.028
L8	147 - 142	149.649	20	10.794	0.024
L9	142 - 137	138.672	20	10.281	0.020

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L10	137 - 133.081	128.243	20	9.732	0.017
L11	136.834 - 131.834	127.907	20	9.713	0.017
L12	131.834 - 126.834	117.914	20	9.424	0.015
L13	126.834 - 121.834	108.313	20	8.991	0.014
L14	121.834 - 116.834	99.164	20	8.550	0.012
L15	116.834 - 111.834	90.473	20	8.108	0.011
L16	111.834 - 106.834	82.239	20	7.667	0.009
L17	106.834 - 101.834	74.461	20	7.231	0.008
L18	101.834 - 96.834	67.133	20	6.801	0.007
L19	96.834 - 87.449	60.248	20	6.378	0.007
L20	92.47 - 86.449	54.596	20	6.016	0.006
L21	86.449 - 85	47.186	20	5.718	0.005
L22	85 - 84.75	45.472	20	5.595	0.005
L23	84.75 - 79.75	45.180	20	5.574	0.005
L24	79.75 - 75	39.575	20	5.148	0.004
L25	75 - 74.75	34.658	20	4.749	0.004
L26	74.75 - 74	34.410	20	4.738	0.004
L27	74 - 73.75	33.669	20	4.704	0.004
L28	73.75 - 68.75	33.424	20	4.683	0.004
L29	68.75 - 63.75	28.740	20	4.273	0.003
L30	63.75 - 58.75	24.480	20	3.871	0.003
L31	58.75 - 53.75	20.635	20	3.478	0.003
L32	53.75 - 42.848	17.198	20	3.093	0.002
L33	49.08 - 41.848	14.347	20	2.741	0.002
L34	41.848 - 36.848	10.389	20	2.458	0.002
L35	36.848 - 31.848	7.985	20	2.137	0.001
L36	31.848 - 26.848	5.913	20	1.823	0.001
L37	26.848 - 21.848	4.165	20	1.517	0.001
L38	21.848 - 16.848	2.734	20	1.218	0.001
L39	16.848 - 11.848	1.611	20	0.927	0.001
L40	11.848 - 6.848	0.789	20	0.643	0.000
L41	6.848 - 1.848	0.261	20	0.367	0.000
L42	1.848 - 0	0.019	20	0.097	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
178.000	DS4C06F36D-D	20	225.905	12.345	0.059	7055
177.000	Radiowaves HPD2-4.7	20	223.341	12.339	0.059	7055
168.000	ANT450D6-9	20	200.392	12.181	0.048	2298
157.000	AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	20	173.052	11.650	0.033	903
142.000	800MHZ RRH	20	138.672	10.281	0.020	574
140.000	APXVSP18-C-A20 w/ Mount Pipe	20	134.432	10.067	0.019	584
95.000	Side Arm Mount [SO 102-3]	20	57.838	6.212	0.006	796
93.000	Miscellaneous [NA 507-1]	20	55.268	6.051	0.006	927
90.000	(2) NHH-65B-R2B w/ Mount Pipe	20	51.504	5.900	0.006	1011
73.000	GPS_A	20	32.694	4.618	0.004	750

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Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	K	K	
L1	182 - 181	TP15.678x14.5x0.25	5.000	0.000	0.0	11.494	-0.095	672.416	0.000 ¹
	181 - 180					11.681	-0.072	683.350	0.000
	180 - 179					11.868	-0.109	694.284	0.000
	179 - 178					12.055	-0.147	705.219	0.000
	178 - 177					12.242	-0.717	716.153	0.001
L2	177 - 176	TP16.856x15.678x0.25	5.000	0.000	0.0	12.429	-0.737	727.087	0.001
	176 - 175					12.616	-0.780	738.022	0.001
	175 - 174					12.803	-0.812	748.956	0.001
	174 - 173					12.990	-0.857	759.890	0.001
	173 - 172					13.177	-0.903	770.824	0.001
L3	172 - 171	TP18.033x16.856x0.25	5.000	0.000	0.0	13.363	-0.953	781.759	0.001
	171 - 170					13.550	-1.004	792.693	0.001
	170 - 169					13.737	-1.056	803.627	0.001
	169 - 168					13.924	-1.109	814.562	0.001
	168 - 167					14.111	-5.111	825.496	0.006
L4	167 - 166	TP19.211x18.033x0.25	5.000	0.000	0.0	14.298	-5.186	836.430	0.006
	166 - 165					14.485	-5.243	847.364	0.006
	165 - 164					14.672	-5.322	858.299	0.006
	164 - 163					14.859	-5.403	869.233	0.006
	163 - 162					15.046	-5.485	880.167	0.006
L5	162 - 161	TP20.389x19.211x0.25	5.000	0.000	0.0	15.233	-5.569	891.102	0.006
	161 - 160					15.419	-5.654	902.036	0.006
	160 - 159					15.606	-5.741	912.970	0.006
	159 - 158					15.793	-5.829	923.905	0.006
	158 - 157					15.980	-5.919	934.839	0.006
L6	157 - 156	TP21.567x20.389x0.25	5.000	0.000	0.0	16.167	-9.256	945.773	0.010
	156 - 155					16.354	-9.365	956.707	0.010
	155 - 154					16.541	-9.477	967.642	0.010
	154 - 153					16.728	-9.590	978.576	0.010
	153 - 152					16.915	-9.706	989.510	0.010
L7	152 - 151	TP22.744x21.567x0.25	5.000	0.000	0.0	17.102	-9.823	1000.440	0.010
	151 - 150					17.288	-9.942	1011.380	0.010
	150 - 149					17.475	-10.063	1022.310	0.010
	149 - 148					17.662	-10.186	1033.250	0.010
	148 - 147					17.849	-10.310	1044.180	0.010
L8	147 - 146	TP23.922x22.744x0.25	5.000	0.000	0.0	18.036	-10.437	1055.120	0.010
	146 - 145					18.223	-10.564	1066.050	0.010
	145 - 144					18.410	-10.693	1076.980	0.010
	144 - 143					18.597	-10.824	1087.920	0.010
	143 - 142					18.784	-10.956	1098.850	0.010
L9	142 - 141	TP25.1x23.922x0.25	5.000	0.000	0.0	18.971	-11.622	1109.790	0.010
	141 - 140					19.158	-11.761	1120.720	0.010
	140 - 139					19.344	-14.834	1131.660	0.013
	139 - 138					19.531	-14.982	1142.590	0.013
	138 - 137					19.718	-15.132	1153.520	0.013
L10	137 - 136.834	TP26.023x25.1x0.25	3.919	0.000	0.0	19.749	-15.178	1155.340	0.013
	136.834 - 133.081					20.451	-6.548	1196.380	0.005
L11	136.834 - 133.081	TP25.805x24.639x0.375	5.000	0.000	0.0	29.922	-9.512	1750.450	0.005
	133.081 - 131.834					30.269	-16.306	1770.710	0.009

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L12	131.834 - 130.834	TP26.972x25.805x0.375	5.000	0.000	0.0	30.546	-16.496	1786.950	0.009
	130.834 - 129.834					30.824	-16.682	1803.200	0.009
	129.834 - 128.834					31.102	-16.870	1819.440	0.009
	128.834 - 127.834					31.379	-17.060	1835.690	0.009
	127.834 - 126.834					31.657	-17.250	1851.930	0.009
	126.834 - 125.834					31.935	-17.443	1868.170	0.009
	125.834 - 124.834					32.212	-17.637	1884.420	0.009
L13	124.834 - 123.834	TP28.138x26.972x0.375	5.000	0.000	0.0	32.490	-17.832	1900.660	0.009
	123.834 - 122.834					32.768	-18.028	1916.910	0.009
	122.834 - 121.834					33.045	-18.226	1933.150	0.009
	121.834 - 120.834					33.323	-18.426	1949.390	0.009
	120.834 - 119.834					33.601	-18.627	1965.640	0.009
	119.834 - 118.834					33.878	-18.829	1981.880	0.010
	118.834 - 117.834					34.156	-19.032	1998.130	0.010
L14	117.834 - 116.834	TP29.305x28.138x0.375	5.000	0.000	0.0	34.434	-19.237	2014.370	0.010
	116.834 - 115.834					34.711	-19.443	2030.610	0.010
	115.834 - 114.834					34.989	-19.651	2046.860	0.010
	114.834 - 113.834					35.267	-19.860	2063.100	0.010
	113.834 - 112.834					35.544	-20.070	2079.340	0.010
	112.834 - 111.834					35.822	-20.281	2095.590	0.010
	111.834 - 110.834					36.100	-20.494	2111.830	0.010
L15	110.834 - 109.834	TP30.471x29.305x0.375	5.000	0.000	0.0	36.377	-20.708	2128.080	0.010
	109.834 - 108.834					36.655	-20.923	2144.320	0.010
	108.834 - 107.834					36.933	-21.140	2160.560	0.010
	107.834 - 106.834					37.210	-21.358	2176.810	0.010
	106.834 - 105.834					37.488	-21.577	2193.050	0.010
	105.834 - 104.834					37.766	-21.797	2209.300	0.010
	104.834 - 103.834					38.043	-22.019	2225.540	0.010
L16	103.834 - 102.834	TP31.638x30.471x0.375	5.000	0.000	0.0	38.321	-22.241	2241.780	0.010
	102.834 - 101.834					38.599	-22.465	2258.030	0.010
L17		TP32.804x31.638x0.375	5.000	0.000	0.0				

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L18	101.834 - 100.834	TP33.971x32.804x0.375	5.000	0.000	0.0	38.876	-22.691	2274.270	0.010
	100.834 - 99.834					39.154	-22.918	2290.520	0.010
	99.834 - 98.834					39.432	-23.145	2306.760	0.010
	98.834 - 97.834					39.709	-23.374	2323.000	0.010
	97.834 - 96.834					39.987	-23.605	2339.250	0.010
L19	96.834 - 95.743	TP36.16x33.971x0.375	9.385	0.000	0.0	40.290	-23.858	2356.970	0.010
	95.743 - 94.652					40.593	-24.184	2374.690	0.010
	94.652 - 93.561					40.896	-24.442	2392.410	0.010
	93.561 - 92.47					41.199	-24.970	2410.140	0.010
	92.47 - 87.449					42.593	-16.947	2491.700	0.007
L20	87.449 - 86.449	TP35.642x34.239x0.375	6.021	0.000	0.0	41.699	-14.331	2439.400	0.006
						41.977	-31.573	2455.630	0.013
L21	86.449 - 85 (21)	TP35.98x35.642x0.375	1.449	0.000	0.0	42.379	-31.936	2479.140	0.013
L22	85 - 84.75 (22)	TP36.038x35.98x0.375	0.250	0.000	0.0	42.448	-32.032	2483.200	0.013
L23	84.75 - 83.75	TP37.203x36.038x0.375	5.000	0.000	0.0	42.725	-32.273	2499.430	0.013
	83.75 - 82.75					43.003	-32.535	2515.650	0.013
	82.75 - 81.75					43.280	-32.798	2531.880	0.013
	81.75 - 80.75					43.557	-33.062	2548.110	0.013
	80.75 - 79.75					43.835	-33.328	2564.340	0.013
L24	79.75 - 78.5625	TP38.31x37.203x0.375	4.750	0.000	0.0	44.164	-33.640	2583.610	0.013
	78.5625 - 77.375					44.494	-33.959	2602.880	0.013
	77.375 - 76.1875					44.823	-34.279	2622.150	0.013
	76.1875 - 75					45.153	-34.602	2641.430	0.013
L25	75 - 74.75 (25)	TP38.369x38.31x0.7	0.250	0.000	0.0	83.692	-34.726	4895.990	0.007
L26	74.75 - 74 (26)	TP38.543x38.369x0.7	0.750	0.000	0.0	84.080	-35.011	4918.710	0.007
L27	74 - 73.75 (27)	TP38.602x38.543x0.375	0.250	0.000	0.0	45.499	-35.084	2661.710	0.013
L28	73.75 - 72.75	TP39.767x38.602x0.375	5.000	0.000	0.0	45.777	-35.413	2677.940	0.013
	72.75 - 71.75					46.054	-35.688	2694.170	0.013
	71.75 - 70.75					46.332	-35.965	2710.400	0.013
	70.75 - 69.75					46.609	-36.243	2726.630	0.013
	69.75 - 68.75					46.886	-36.522	2742.850	0.013
L29	68.75 - 67.75	TP40.932x39.767x0.375	5.000	0.000	0.0	47.164	-36.803	2759.080	0.013
	67.75 - 66.75					47.441	-37.084	2775.310	0.013
	66.75 - 65.75					47.719	-37.367	2791.540	0.013
	65.75 - 64.75					47.996	-37.651	2807.770	0.013
	64.75 - 63.75					48.273	-37.936	2824.000	0.013
L30	63.75 - 62.75	TP42.098x40.932x0.375	5.000	0.000	0.0	48.551	-38.223	2840.220	0.013
	62.75 - 61.75					48.828	-38.511	2856.450	0.013
	61.75 - 60.75					49.106	-38.799	2872.680	0.014
	60.75 - 59.75					49.383	-39.089	2888.910	0.014
	59.75 - 58.75					49.660	-39.380	2905.140	0.014
L31	58.75 - 57.75	TP43.263x42.098x0.375	5.000	0.000	0.0	49.938	-39.673	2921.370	0.014
	57.75 - 56.75					50.215	-39.966	2937.600	0.014
	56.75 - 55.75					50.493	-40.261	2953.820	0.014
	55.75 - 54.75					50.770	-40.557	2970.050	0.014
	54.75 - 53.75					51.048	-40.854	2986.280	0.014
L32	53.75 -	TP45.804x43.263x0.375	10.902	0.000	0.0	51.371	-41.198	3005.230	0.014

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
	52.5825								
	52.5825 - 51.415					51.695	-41.548	3024.170	0.014
	51.415 - 50.2475					52.019	-41.900	3043.120	0.014
	50.2475 - 49.08					52.343	-42.253	3062.070	0.014
	49.08 - 42.848					54.072	-21.279	3163.200	0.007
L33	49.08 - 42.848	TP45.281x43.602x0.438	7.232	0.000	0.0	61.948	-24.228	3623.980	0.007
	42.848 - 41.848					62.271	-45.898	3642.850	0.013
L34	41.848 - 40.848	TP46.442x45.281x0.438	5.000	0.000	0.0	62.593	-46.237	3661.720	0.013
	40.848 - 39.848					62.916	-46.578	3680.580	0.013
	39.848 - 38.848					63.238	-46.921	3699.450	0.013
	38.848 - 37.848					63.561	-47.264	3718.310	0.013
	37.848 - 36.848					63.883	-47.609	3737.180	0.013
L35	36.848 - 35.848	TP47.604x46.442x0.438	5.000	0.000	0.0	64.206	-47.956	3756.050	0.013
	35.848 - 34.848					64.528	-48.304	3774.910	0.013
	34.848 - 33.848					64.851	-48.653	3793.780	0.013
	33.848 - 32.848					65.173	-49.003	3812.650	0.013
	32.848 - 31.848					65.496	-49.355	3831.510	0.013
L36	31.848 - 30.848	TP48.765x47.604x0.438	5.000	0.000	0.0	65.818	-49.708	3850.380	0.013
	30.848 - 29.848					66.141	-50.062	3869.240	0.013
	29.848 - 28.848					66.463	-50.418	3888.110	0.013
	28.848 - 27.848					66.786	-50.775	3906.980	0.013
	27.848 - 26.848					67.108	-51.133	3925.840	0.013
L37	26.848 - 25.848	TP49.926x48.765x0.438	5.000	0.000	0.0	67.431	-51.492	3944.710	0.013
	25.848 - 24.848					67.753	-51.853	3963.570	0.013
	24.848 - 23.848					68.076	-52.215	3982.440	0.013
	23.848 - 22.848					68.398	-52.579	4001.310	0.013
	22.848 - 21.848					68.721	-52.944	4020.170	0.013
L38	21.848 - 20.848	TP51.087x49.926x0.438	5.000	0.000	0.0	69.043	-53.310	4039.040	0.013
	20.848 - 19.848					69.366	-53.678	4057.910	0.013
	19.848 - 18.848					69.688	-54.046	4076.770	0.013
	18.848 - 17.848					70.011	-54.416	4095.640	0.013
	17.848 -					70.333	-54.788	4114.500	0.013

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L39	16.848	TP52.248x51.087x0.438	5.000	0.000	0.0	70.656	-55.160	4133.370	0.013
	16.848 - 15.848								
	15.848 - 14.848								
	14.848 - 13.848								
	13.848 - 12.848								
	12.848 - 11.848								
	11.848 - 10.848								
L40	10.848 - 9.848	TP53.41x52.248x0.438	5.000	0.000	0.0	72.268	-57.043	4227.700	0.013
	9.848 - 8.848								
	8.848 - 7.848								
	7.848 - 6.848								
L41	6.848 - 5.848	TP54.571x53.41x0.438	5.000	0.000	0.0	73.881	-58.958	4322.030	0.014
	5.848 - 4.848								
	4.848 - 3.848								
	3.848 - 2.848								
	2.848 - 1.848								
L42	1.848 - 0 (42)	TP55x54.571x0.438	1.848	0.000	0.0	75.767	-61.221	4432.360	0.014

¹ P_u / φP_n controls

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
L1	182 - 181	TP15.678x14.5x0.25	0.017	252.022	0.000	0.000	252.022	0.000
	181 - 180		0.120	260.355	0.000	0.000	260.355	0.000
	180 - 179		0.272	268.824	0.001	0.000	268.824	0.000
	179 - 178		0.486	277.429	0.002	0.000	277.429	0.000
	178 - 177		14.653	286.170	0.051	0.000	286.170	0.000
L2	177 - 176	TP16.856x15.678x0.25	17.454	295.046	0.059	0.000	295.046	0.000
	176 - 175		20.431	304.058	0.067	0.000	304.058	0.000
	175 - 174		23.514	313.204	0.075	0.000	313.204	0.000
	174 - 173		26.677	322.488	0.083	0.000	322.488	0.000
	173 - 172		29.908	331.906	0.090	0.000	331.906	0.000
L3	172 - 171	TP18.033x16.856x0.25	33.209	341.459	0.097	0.000	341.459	0.000
	171 - 170		36.580	351.149	0.104	0.000	351.149	0.000
	170 - 169		40.022	360.974	0.111	0.000	360.974	0.000
	169 - 168		43.537	370.935	0.117	0.000	370.935	0.000
	168 - 167		57.811	381.031	0.152	0.000	381.031	0.000
L4	167 - 166	TP19.211x18.033x0.25	70.852	391.262	0.181	0.000	391.262	0.000
	166 - 165		83.978	401.630	0.209	0.000	401.630	0.000
	165 - 164		97.233	412.133	0.236	0.000	412.133	0.000
	164 - 163		110.565	422.772	0.262	0.000	422.772	0.000
	163 - 162		123.974	433.546	0.286	0.000	433.546	0.000
L5	162 - 161	TP20.389x19.211x0.25	137.460	444.456	0.309	0.000	444.456	0.000
	161 - 160		151.023	455.501	0.332	0.000	455.501	0.000
	160 - 159		164.663	466.682	0.353	0.000	466.682	0.000
	159 - 158		178.382	477.998	0.373	0.000	477.998	0.000
	158 - 157		192.180	489.451	0.393	0.000	489.451	0.000
L6	157 - 156	TP21.567x20.389x0.25	217.091	501.038	0.433	0.000	501.038	0.000
	156 - 155		236.525	512.762	0.461	0.000	512.762	0.000
	155 - 154		256.036	524.620	0.488	0.000	524.620	0.000

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L7	154 - 153	TP22.744x21.567x0.25	275.624	536.615	0.514	0.000	536.615	0.000
	153 - 152		295.288	548.745	0.538	0.000	548.745	0.000
	152 - 151		315.029	561.010	0.562	0.000	561.010	0.000
	151 - 150		334.847	573.412	0.584	0.000	573.412	0.000
	150 - 149		354.741	585.948	0.605	0.000	585.948	0.000
L8	149 - 148	TP23.922x22.744x0.25	374.712	598.621	0.626	0.000	598.621	0.000
	148 - 147		394.760	611.428	0.646	0.000	611.428	0.000
	147 - 146		414.884	624.372	0.664	0.000	624.372	0.000
	146 - 145		435.086	637.451	0.683	0.000	637.451	0.000
	145 - 144		455.365	650.666	0.700	0.000	650.666	0.000
L9	144 - 143	TP25.1x23.922x0.25	475.721	664.016	0.716	0.000	664.016	0.000
	143 - 142		496.154	677.502	0.732	0.000	677.502	0.000
	142 - 141		517.536	690.138	0.750	0.000	690.138	0.000
	141 - 140		539.018	702.209	0.768	0.000	702.209	0.000
	140 - 139		566.202	714.351	0.793	0.000	714.351	0.000
L10	139 - 138	TP26.023x25.1x0.25	590.733	726.562	0.813	0.000	726.562	0.000
	138 - 137		615.335	738.840	0.833	0.000	738.840	0.000
	137 - 136.834		619.426	740.884	0.836	0.000	740.884	0.000
	136.834 - 133.081		298.133	787.594	0.379	0.000	787.594	0.000
	133.081 - 131.834							
L11	131.834 - 130.834	TP25.805x24.639x0.375	744.018	1167.992	0.637	0.000	1167.992	0.000
	130.834 - 129.834		769.225	1189.675	0.647	0.000	1189.675	0.000
	129.834 - 128.834		794.518	1211.558	0.656	0.000	1211.558	0.000
	128.834 - 127.834		819.898	1233.642	0.665	0.000	1233.642	0.000
	127.834 - 126.834		845.358	1255.925	0.673	0.000	1255.925	0.000
L12	126.834 - 125.834	TP26.972x25.805x0.375	870.917	1278.408	0.681	0.000	1278.408	0.000
	125.834 - 124.834		896.550	1301.092	0.689	0.000	1301.092	0.000
	124.834 - 123.834		922.275	1323.975	0.697	0.000	1323.975	0.000
	123.834 - 122.834		948.083	1347.058	0.704	0.000	1347.058	0.000
	122.834 - 121.834		973.975	1370.342	0.711	0.000	1370.342	0.000
L13	121.834 - 120.834	TP28.138x26.972x0.375	999.958	1393.817	0.717	0.000	1393.817	0.000
	120.834 - 119.834		1026.025	1417.500	0.724	0.000	1417.500	0.000
	119.834 - 118.834		1052.183	1441.375	0.730	0.000	1441.375	0.000
	118.834 - 117.834		1078.425	1465.458	0.736	0.000	1465.458	0.000
	117.834 - 116.834		1104.758	1489.733	0.742	0.000	1489.733	0.000
L14	116.834 - 115.834	TP29.305x28.138x0.375	1131.175	1514.217	0.747	0.000	1514.217	0.000
	115.834 - 114.834		1157.683	1538.892	0.752	0.000	1538.892	0.000
	114.834 - 113.834		1184.275	1563.767	0.757	0.000	1563.767	0.000
	113.834 - 112.834		1210.958	1588.842	0.762	0.000	1588.842	0.000
	112.834 - 111.834							
L15	111.834 - 110.834	TP30.471x29.305x0.375						
	110.834 - 109.834							
	109.834 - 108.834							
	108.834 - 107.834							
	107.834 - 106.834							

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L16	113.834 - 112.834	TP31.638x30.471x0.375	1237.733	1614.117	0.767	0.000	1614.117	0.000
	112.834 - 111.834		1264.592	1639.592	0.771	0.000	1639.592	0.000
	111.834 - 110.834		1291.542	1665.267	0.776	0.000	1665.267	0.000
	110.834 - 109.834		1318.575	1691.142	0.780	0.000	1691.142	0.000
	109.834 - 108.834		1345.700	1717.217	0.784	0.000	1717.217	0.000
	108.834 - 107.834		1372.917	1743.492	0.787	0.000	1743.492	0.000
	107.834 - 106.834		1400.225	1769.958	0.791	0.000	1769.958	0.000
	106.834 - 105.834		1427.617	1796.633	0.795	0.000	1796.633	0.000
L17	105.834 - 104.834	TP32.804x31.638x0.375	1455.100	1823.508	0.798	0.000	1823.508	0.000
	104.834 - 103.834		1482.675	1850.575	0.801	0.000	1850.575	0.000
	103.834 - 102.834		1510.333	1877.850	0.804	0.000	1877.850	0.000
	102.834 - 101.834		1538.092	1905.317	0.807	0.000	1905.317	0.000
	101.834 - 100.834		1565.933	1932.983	0.810	0.000	1932.983	0.000
	100.834 - 99.834		1593.867	1960.858	0.813	0.000	1960.858	0.000
	99.834 - 98.834		1621.892	1988.925	0.815	0.000	1988.925	0.000
	98.834 - 97.834		1650.008	2017.192	0.818	0.000	2017.192	0.000
L18	97.834 - 96.834	TP33.971x32.804x0.375	1678.217	2045.658	0.820	0.000	2045.658	0.000
	96.834 - 95.743		1709.100	2076.950	0.823	0.000	2076.950	0.000
	95.743 - 94.652		1740.150	2108.467	0.825	0.000	2108.467	0.000
	94.652 - 93.561		1771.442	2140.233	0.828	0.000	2140.233	0.000
	93.561 - 92.47		1802.983	2172.225	0.830	0.000	2172.225	0.000
	92.47 - 87.449		1015.325	2320.425	0.438	0.000	2320.425	0.000
	87.449 - 86.449		949.617	2225.583	0.427	0.000	2225.583	0.000
	86.449 - 85		1999.458	2255.450	0.887	0.000	2255.450	0.000
L21	86.449 - 85 (21)	TP35.98x35.642x0.375	2049.617	2299.083	0.891	0.000	2299.083	0.000
L22	85 - 84.75 (22)	TP36.038x35.98x0.375	2058.283	2306.425	0.892	0.000	2306.425	0.000
L23	84.75 - 83.75	TP37.203x36.038x0.375	2093.017	2333.183	0.897	0.000	2333.183	0.000
	83.75 - 82.75		2127.825	2360.050	0.902	0.000	2360.050	0.000
	82.75 - 81.75		2162.717	2387.017	0.906	0.000	2387.017	0.000
	81.75 - 80.75		2197.692	2414.083	0.910	0.000	2414.083	0.000
	80.75 - 79.75		2232.742	2441.250	0.915	0.000	2441.250	0.000
L24	79.75 - 78.5625	TP38.31x37.203x0.375	2274.467	2473.650	0.919	0.000	2473.650	0.000
	78.5625 - 77.375		2316.300	2506.183	0.924	0.000	2506.183	0.000
	77.375 - 76.1875		2358.258	2538.850	0.929	0.000	2538.850	0.000
	76.1875 - 75		2400.317	2571.658	0.933	0.000	2571.658	0.000
	75							

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L25	75 - 74.75 (25)	TP38.369x38.31x0.7	2409.192	4765.633	0.506	0.000	4765.633	0.000
L26	74.75 - 74 (26)	TP38.543x38.369x0.7	2435.842	4810.367	0.506	0.000	4810.367	0.000
L27	74 - 73.75 (27)	TP38.602x38.543x0.375	2444.742	2606.342	0.938	0.000	2606.342	0.000
L28	73.75 - 72.75	TP39.767x38.602x0.375	2480.633	2634.192	0.942	0.000	2634.192	0.000
	72.75 - 71.75		2516.425	2662.133	0.945	0.000	2662.133	0.000
	71.75 - 70.75		2552.292	2690.167	0.949	0.000	2690.167	0.000
	70.75 - 69.75		2588.233	2718.292	0.952	0.000	2718.292	0.000
	69.75 - 68.75		2624.258	2746.517	0.955	0.000	2746.517	0.000
L29	68.75 - 67.75	TP40.932x39.767x0.375	2660.367	2774.825	0.959	0.000	2774.825	0.000
	67.75 - 66.75		2696.542	2803.217	0.962	0.000	2803.217	0.000
	66.75 - 65.75		2732.800	2831.700	0.965	0.000	2831.700	0.000
	65.75 - 64.75		2769.142	2860.275	0.968	0.000	2860.275	0.000
	64.75 - 63.75		2805.558	2888.933	0.971	0.000	2888.933	0.000
L30	63.75 - 62.75	TP42.098x40.932x0.375	2842.050	2917.675	0.974	0.000	2917.675	0.000
	62.75 - 61.75		2878.625	2946.500	0.977	0.000	2946.500	0.000
	61.75 - 60.75		2915.275	2975.408	0.980	0.000	2975.408	0.000
	60.75 - 59.75		2952.000	3004.400	0.983	0.000	3004.400	0.000
	59.75 - 58.75		2988.808	3033.475	0.985	0.000	3033.475	0.000
L31	58.75 - 57.75	TP43.263x42.098x0.375	3025.683	3062.633	0.988	0.000	3062.633	0.000
	57.75 - 56.75		3062.642	3091.867	0.991	0.000	3091.867	0.000
	56.75 - 55.75		3099.683	3121.175	0.993	0.000	3121.175	0.000
	55.75 - 54.75		3136.792	3150.567	0.996	0.000	3150.567	0.000
	54.75 - 53.75		3173.983	3180.033	0.998	0.000	3180.033	0.000
L32	53.75 -	TP45.804x43.263x0.375	3217.492	3214.533	1.001	0.000	3214.533	0.000
	52.5825							
	52.5825 -		3261.108	3249.133	1.004	0.000	3249.133	0.000
	51.415							
	51.415 -		3304.817	3283.833	1.006	0.000	3283.833	0.000
	50.2475							
	50.2475 -		3348.633	3318.625	1.009	0.000	3318.625	0.000
	49.08							
	49.08 - 42.848		1704.092	3505.992	0.486	0.000	3505.992	0.000
L33	49.08 - 42.848	TP45.281x43.602x0.438	1880.950	4140.967	0.454	0.000	4140.967	0.000
	42.848 -		3623.375	4178.733	0.867	0.000	4178.733	0.000
	41.848							
L34	41.848 -	TP46.442x45.281x0.438	3661.783	4216.617	0.868	0.000	4216.617	0.000
	40.848							
	40.848 -		3700.267	4254.600	0.870	0.000	4254.600	0.000
	39.848							
	39.848 -		3738.825	4292.692	0.871	0.000	4292.692	0.000
	38.848							
	38.848 -		3777.458	4330.892	0.872	0.000	4330.892	0.000
	37.848							
	37.848 -		3816.167	4369.192	0.873	0.000	4369.192	0.000
	36.848							
L35	36.848 -	TP47.604x46.442x0.438	3854.950	4407.600	0.875	0.000	4407.600	0.000
	35.848							
	35.848 -		3893.808	4446.108	0.876	0.000	4446.108	0.000
	34.848							
	34.848 -		3932.733	4484.717	0.877	0.000	4484.717	0.000
	33.848							
	33.848 -		3971.742	4523.425	0.878	0.000	4523.425	0.000
	32.848							
	32.848 -		4010.817	4562.242	0.879	0.000	4562.242	0.000
	31.848							
L36	31.848 -	TP48.765x47.604x0.438	4049.958	4601.150	0.880	0.000	4601.150	0.000
	30.848							
	30.848 -		4089.175	4640.158	0.881	0.000	4640.158	0.000
	29.848							
	29.848 -		4128.467	4679.267	0.882	0.000	4679.267	0.000

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L37	28.848	TP49.926x48.765x0.438	4167.825	4718.467	0.883	0.000	4718.467	0.000
	28.848 - 27.848							
	27.848 - 26.848							
	26.848 - 25.848							
	25.848 - 24.848							
	24.848 - 23.848							
	23.848 - 22.848							
L38	22.848 - 21.848	TP51.087x49.926x0.438	4405.392	4955.658	0.889	0.000	4955.658	0.000
	21.848 - 20.848							
	20.848 - 19.848							
	19.848 - 18.848							
	18.848 - 17.848							
	17.848 - 16.848							
	16.848 - 15.848							
L39	15.848 - 14.848	TP52.248x51.087x0.438	4685.442	5236.458	0.895	0.000	5236.458	0.000
	14.848 - 13.848							
	13.848 - 12.848							
	12.848 - 11.848							
	11.848 - 10.848							
	10.848 - 9.848							
	9.848 - 8.848							
L40	8.848 - 7.848	TP53.41x52.248x0.438	4968.308	5521.350	0.900	0.000	5521.350	0.000
	7.848 - 6.848							
	6.848 - 5.848							
	5.848 - 4.848							
	4.848 - 3.848							
	3.848 - 2.848							
	2.848 - 1.848							
L41	1.848 - 0 (42)	TP54.571x53.41x0.438	5090.383	5644.617	0.902	0.000	5644.617	0.000
L42		TP55x54.571x0.438	5131.192	5685.858	0.902	0.000	5685.858	0.000
L43		TP56x54.571x0.438	5172.050	5727.167	0.903	0.000	5727.167	0.000
L44		TP57x54.571x0.438	5212.975	5768.558	0.904	0.000	5768.558	0.000
L45		TP58x54.571x0.438	5288.750	5845.225	0.905	0.000	5845.225	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	182 - 181	TP15.678x14.5x0.25	0.026	201.725	0.000	0.000	255.903	0.000
	181 - 180		0.121	205.005	0.001	0.000	264.293	0.000
	180 - 179		0.182	208.285	0.001	0.000	272.818	0.000
	179 - 178		0.245	211.566	0.001	0.000	281.479	0.000
	178 - 177		2.466	214.846	0.011	0.147	290.275	0.001
L2	177 - 176	TP16.856x15.678x0.25	2.947	218.126	0.014	1.158	299.207	0.004

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L3	176 - 175	TP18.033x16.856x0.25	3.013	221.406	0.014	1.157	308.273	0.004
	175 - 174		3.129	224.687	0.014	1.411	317.476	0.004
	174 - 173		3.197	227.967	0.014	1.411	326.813	0.004
	173 - 172		3.266	231.247	0.014	1.411	336.287	0.004
	172 - 171		3.336	234.528	0.014	1.411	345.895	0.004
	171 - 170		3.407	237.808	0.014	1.411	355.638	0.004
	170 - 169		3.479	241.088	0.014	1.411	365.517	0.004
	169 - 168		3.552	244.368	0.015	1.411	375.532	0.004
L4	168 - 167	TP19.211x18.033x0.25	13.005	247.649	0.053	2.186	385.681	0.006
	167 - 166		13.080	250.929	0.052	2.186	395.966	0.006
	166 - 165		13.220	254.209	0.052	2.595	406.386	0.006
	165 - 164		13.296	257.490	0.052	2.595	416.942	0.006
	164 - 163		13.373	260.770	0.051	2.594	427.632	0.006
L5	163 - 162	TP20.389x19.211x0.25	13.450	264.050	0.051	2.594	438.459	0.006
	162 - 161		13.527	267.331	0.051	2.594	449.421	0.006
	161 - 160		13.605	270.611	0.050	2.593	460.517	0.006
	160 - 159		13.683	273.891	0.050	2.593	471.750	0.005
	159 - 158		13.762	277.171	0.050	2.592	483.118	0.005
L6	158 - 157	TP21.567x20.389x0.25	13.841	280.452	0.049	2.592	494.620	0.005
	157 - 156		19.402	283.732	0.068	2.591	506.258	0.005
	156 - 155		19.479	287.012	0.068	2.591	518.033	0.005
	155 - 154		19.556	290.293	0.067	2.590	529.941	0.005
	154 - 153		19.633	293.573	0.067	2.589	541.985	0.005
L7	153 - 152	TP22.744x21.567x0.25	19.710	296.853	0.066	2.589	554.165	0.005
	152 - 151		19.787	300.133	0.066	2.588	566.480	0.005
	151 - 150		19.864	303.414	0.065	2.587	578.930	0.004
	150 - 149		19.941	306.694	0.065	2.586	591.516	0.004
	149 - 148		20.018	309.974	0.065	2.585	604.237	0.004
L8	148 - 147	TP23.922x22.744x0.25	20.096	313.255	0.064	2.584	617.093	0.004
	147 - 146		20.172	316.535	0.064	2.583	630.085	0.004
	146 - 145		20.250	319.815	0.063	2.582	643.212	0.004
	145 - 144		20.327	323.095	0.063	2.581	656.474	0.004
	144 - 143		20.405	326.376	0.063	2.580	669.872	0.004
L9	143 - 142	TP25.1x23.922x0.25	20.483	329.656	0.062	2.579	683.404	0.004
	142 - 141		21.457	332.936	0.064	2.578	697.072	0.004
	141 - 140		21.534	336.217	0.064	2.577	710.877	0.004
	140 - 139		24.512	339.497	0.072	2.576	724.816	0.004
	139 - 138		24.584	342.777	0.072	2.575	738.890	0.003
L10	138 - 137	TP26.023x25.1x0.25	24.656	346.057	0.071	2.574	753.099	0.003
	137 - 136.834		24.659	346.602	0.071	2.574	755.472	0.003
	136.834 - 133.081		10.594	358.913	0.030	1.076	810.092	0.001
L11	136.834 - 133.081	TP25.805x24.639x0.375	14.497	525.136	0.028	1.497	1156.133	0.001
	133.081 - 131.834		25.186	531.213	0.047	2.571	1183.050	0.002
L12	131.834 - 130.834	TP26.972x25.805x0.375	25.268	536.086	0.047	2.570	1204.850	0.002
	130.834 - 129.834		25.354	540.960	0.047	2.569	1226.858	0.002
	129.834 - 128.834		25.439	545.833	0.047	2.569	1249.058	0.002
	128.834 - 127.834		25.526	550.706	0.046	2.568	1271.467	0.002
	127.834 - 126.834		25.612	555.579	0.046	2.567	1294.067	0.002
L13	126.834 - 125.834	TP28.138x26.972x0.375	25.698	560.452	0.046	2.566	1316.867	0.002
	125.834 - 124.834		25.784	565.325	0.046	2.565	1339.867	0.002

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L14	124.834 - 123.834	TP29.305x28.138x0.375	25.871	570.199	0.045	2.564	1363.067	0.002
	123.834 - 122.834		25.958	575.072	0.045	2.563	1386.467	0.002
	122.834 - 121.834		26.045	579.945	0.045	2.562	1410.058	0.002
	121.834 - 120.834		26.132	584.818	0.045	2.562	1433.858	0.002
	120.834 - 119.834		26.220	589.691	0.044	2.561	1457.850	0.002
	119.834 - 118.834		26.307	594.564	0.044	2.560	1482.050	0.002
	118.834 - 117.834		26.395	599.438	0.044	2.559	1506.442	0.002
	117.834 - 116.834		26.483	604.311	0.044	2.558	1531.033	0.002
	116.834 - 115.834		26.571	609.184	0.044	2.557	1555.825	0.002
	115.834 - 114.834		26.659	614.057	0.043	2.556	1580.817	0.002
L15	114.834 - 113.834	TP30.471x29.305x0.375	26.747	618.930	0.043	2.556	1606.008	0.002
	113.834 - 112.834		26.836	623.803	0.043	2.555	1631.400	0.002
	112.834 - 111.834		26.925	628.677	0.043	2.554	1656.992	0.002
	111.834 - 110.834		27.014	633.550	0.043	2.553	1682.775	0.002
	110.834 - 109.834		27.103	638.423	0.042	2.552	1708.758	0.001
	109.834 - 108.834		27.192	643.296	0.042	2.551	1734.950	0.001
	108.834 - 107.834		27.282	648.169	0.042	2.551	1761.333	0.001
	107.834 - 106.834		27.372	653.042	0.042	2.550	1787.917	0.001
	106.834 - 105.834		27.461	657.916	0.042	2.549	1814.700	0.001
	105.834 - 104.834		27.551	662.789	0.042	2.548	1841.683	0.001
L16	104.834 - 103.834	TP31.638x30.471x0.375	27.641	667.662	0.041	2.547	1868.867	0.001
	103.834 - 102.834		27.732	672.535	0.041	2.547	1896.250	0.001
	102.834 - 101.834		27.823	677.408	0.041	2.546	1923.825	0.001
	101.834 - 100.834		27.913	682.281	0.041	2.545	1951.608	0.001
	100.834 - 99.834		28.003	687.155	0.041	2.544	1979.583	0.001
	99.834 - 98.834		28.094	692.028	0.041	2.544	2007.758	0.001
	98.834 - 97.834		28.186	696.901	0.040	2.543	2036.133	0.001
	97.834 - 96.834		28.277	701.774	0.040	2.542	2064.708	0.001
	96.834 - 95.743		28.378	707.091	0.040	2.542	2096.117	0.001
	95.743 - 94.652		28.663	712.407	0.040	2.541	2127.758	0.001

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	94.652 - 93.561		28.763	717.724	0.040	2.540	2159.633	0.001
	93.561 - 92.47		29.116	723.041	0.040	2.539	2191.742	0.001
	92.47 - 87.449		18.777	747.509	0.025	1.349	2342.600	0.001
L20	92.47 - 87.449	TP35.642x34.239x0.375	15.763	731.819	0.022	1.189	2245.292	0.001
	87.449 - 86.449		34.586	736.688	0.047	2.385	2275.258	0.001
L21	86.449 - 85 (21)	TP35.98x35.642x0.375	34.713	743.742	0.047	2.385	2319.050	0.001
L22	85 - 84.75 (22)	TP36.038x35.98x0.375	34.708	744.959	0.047	2.384	2326.642	0.001
L23	84.75 - 83.75	TP37.203x36.038x0.375	34.803	749.828	0.046	2.384	2357.150	0.001
	83.75 - 82.75		34.882	754.696	0.046	2.383	2387.858	0.001
	82.75 - 81.75		34.962	759.565	0.046	2.382	2418.767	0.001
	81.75 - 80.75		35.042	764.433	0.046	2.382	2449.875	0.001
	80.75 - 79.75		35.123	769.302	0.046	2.381	2481.183	0.001
L24	79.75 - 78.5625	TP38.31x37.203x0.375	35.222	775.083	0.045	2.380	2518.617	0.001
	78.5625 - 77.375		35.316	780.865	0.045	2.380	2556.325	0.001
	77.375 - 76.1875		35.411	786.646	0.045	2.379	2594.317	0.001
	76.1875 - 75		35.506	792.428	0.045	2.378	2632.592	0.001
L25	75 - 74.75 (25)	TP38.369x38.31x0.7	35.511	1468.800	0.024	2.378	4845.317	0.000
L26	74.75 - 74 (26)	TP38.543x38.369x0.7	35.600	1475.610	0.024	2.378	4890.383	0.000
L27	74 - 73.75 (27)	TP38.602x38.543x0.375	35.619	798.513	0.045	2.378	2673.183	0.001
L28	73.75 - 72.75	TP39.767x38.602x0.375	35.781	803.382	0.045	2.377	2705.883	0.001
	72.75 - 71.75		35.860	808.250	0.044	2.230	2738.775	0.001
	71.75 - 70.75		35.939	813.119	0.044	2.229	2771.867	0.001
	70.75 - 69.75		36.018	817.988	0.044	2.229	2805.158	0.001
	69.75 - 68.75		36.098	822.856	0.044	2.228	2838.650	0.001
L29	68.75 - 67.75	TP40.932x39.767x0.375	36.176	827.725	0.044	2.228	2872.342	0.001
	67.75 - 66.75		36.254	832.593	0.044	2.227	2906.233	0.001
	66.75 - 65.75		36.333	837.462	0.043	2.227	2940.317	0.001
	65.75 - 64.75		36.411	842.330	0.043	2.226	2974.608	0.001
	64.75 - 63.75		36.490	847.199	0.043	2.226	3009.092	0.001
L30	63.75 - 62.75	TP42.098x40.932x0.375	36.568	852.067	0.043	2.225	3043.775	0.001
	62.75 - 61.75		36.645	856.936	0.043	2.225	3078.658	0.001
	61.75 - 60.75		36.723	861.804	0.043	2.225	3113.742	0.001
	60.75 - 59.75		36.801	866.673	0.042	2.224	3149.017	0.001
	59.75 - 58.75		36.879	871.542	0.042	2.224	3184.500	0.001
L31	58.75 - 57.75	TP43.263x42.098x0.375	36.955	876.410	0.042	2.223	3220.175	0.001
	57.75 - 56.75		37.032	881.279	0.042	2.223	3256.050	0.001
	56.75 - 55.75		37.109	886.147	0.042	2.223	3292.125	0.001
	55.75 - 54.75		37.186	891.016	0.042	2.222	3328.400	0.001
	54.75 - 53.75		37.263	895.884	0.042	2.222	3364.875	0.001
L32	53.75 - 52.5825	TP45.804x43.263x0.375	37.353	901.568	0.041	2.221	3407.708	0.001
	52.5825 - 51.415		37.440	907.252	0.041	2.221	3450.808	0.001
	51.415 - 50.2475		37.526	912.936	0.041	2.221	3494.183	0.001
	50.2475 - 49.08		37.613	918.620	0.041	2.220	3537.833	0.001
	49.08 - 42.848		18.448	948.961	0.019	1.055	3775.392	0.000
L33	49.08 - 42.848	TP45.281x43.602x0.438	19.941	1087.200	0.018	1.165	4247.492	0.000
	42.848 - 41.848		38.405	1092.860	0.035	2.219	4291.833	0.001
L34	41.848 - 40.848	TP46.442x45.281x0.438	38.480	1098.510	0.035	2.219	4336.400	0.001
	40.848 -		38.556	1104.170	0.035	2.219	4381.200	0.001

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L41	9.848 - 8.848	TP54.571x53.41x0.438	40.589	1279.630	0.032	2.214	5884.191	0.000
	8.848 - 7.848		40.646	1285.290	0.032	2.214	5936.358	0.000
	7.848 - 6.848		40.702	1290.950	0.032	2.214	5988.750	0.000
	6.848 - 5.848		40.759	1296.610	0.031	2.214	6041.383	0.000
	5.848 - 4.848		40.816	1302.270	0.031	2.214	6094.241	0.000
	4.848 - 3.848		40.873	1307.930	0.031	2.214	6147.325	0.000
	3.848 - 2.848		40.930	1313.590	0.031	2.214	6200.650	0.000
L42	2.848 - 1.848	TP55x54.571x0.438	40.987	1319.250	0.031	2.214	6254.191	0.000
	1.848 - 0 (42)		41.118	1329.710	0.031	2.214	6353.758	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	182 - 181	0.000	0.000	0.000	0.000	0.000	0.000 ¹	1.050	4.8.2 ✓
	181 - 180	0.000	0.000	0.000	0.001	0.000	✓	1.050	4.8.2 ✓
	180 - 179	0.000	0.001	0.000	0.001	0.000	✓	1.050	4.8.2 ✓
	179 - 178	0.000	0.002	0.000	0.001	0.000	✓	1.050	4.8.2 ✓
	178 - 177	0.001	0.051	0.000	0.011	0.001	✓	1.050	4.8.2 ✓
L2	177 - 176	0.001	0.059	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
	176 - 175	0.001	0.067	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
	175 - 174	0.001	0.075	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
	174 - 173	0.001	0.083	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
	173 - 172	0.001	0.090	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
L3	172 - 171	0.001	0.097	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
	171 - 170	0.001	0.104	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
	170 - 169	0.001	0.111	0.000	0.014	0.004	✓	1.050	4.8.2 ✓
	169 - 168	0.001	0.117	0.000	0.015	0.004	✓	1.050	4.8.2 ✓
	168 - 167	0.006	0.152	0.000	0.053	0.006	✓	1.050	4.8.2 ✓
L4	167 - 166	0.006	0.181	0.000	0.052	0.006	✓	1.050	4.8.2 ✓
	166 - 165	0.006	0.209	0.000	0.052	0.006	✓	1.050	4.8.2 ✓
	165 - 164	0.006	0.236	0.000	0.052	0.006	✓	1.050	4.8.2 ✓
	164 - 163	0.006	0.262	0.000	0.051	0.006	✓	1.050	4.8.2 ✓

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Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
	163 - 162	0.006	0.286	0.000	0.051	0.006	0.295	1.050	4.8.2 ✓
L5	162 - 161	0.006	0.309	0.000	0.051	0.006	0.319	1.050	4.8.2 ✓
	161 - 160	0.006	0.332	0.000	0.050	0.006	0.341	1.050	4.8.2 ✓
	160 - 159	0.006	0.353	0.000	0.050	0.005	0.362	1.050	4.8.2 ✓
	159 - 158	0.006	0.373	0.000	0.050	0.005	0.383	1.050	4.8.2 ✓
	158 - 157	0.006	0.393	0.000	0.049	0.005	0.402	1.050	4.8.2 ✓
L6	157 - 156	0.010	0.433	0.000	0.068	0.005	0.448	1.050	4.8.2 ✓
	156 - 155	0.010	0.461	0.000	0.068	0.005	0.476	1.050	4.8.2 ✓
	155 - 154	0.010	0.488	0.000	0.067	0.005	0.503	1.050	4.8.2 ✓
	154 - 153	0.010	0.514	0.000	0.067	0.005	0.529	1.050	4.8.2 ✓
	153 - 152	0.010	0.538	0.000	0.066	0.005	0.553	1.050	4.8.2 ✓
L7	152 - 151	0.010	0.562	0.000	0.066	0.005	0.576	1.050	4.8.2 ✓
	151 - 150	0.010	0.584	0.000	0.065	0.004	0.599	1.050	4.8.2 ✓
	150 - 149	0.010	0.605	0.000	0.065	0.004	0.620	1.050	4.8.2 ✓
	149 - 148	0.010	0.626	0.000	0.065	0.004	0.641	1.050	4.8.2 ✓
	148 - 147	0.010	0.646	0.000	0.064	0.004	0.660	1.050	4.8.2 ✓
L8	147 - 146	0.010	0.664	0.000	0.064	0.004	0.679	1.050	4.8.2 ✓
	146 - 145	0.010	0.683	0.000	0.063	0.004	0.697	1.050	4.8.2 ✓
	145 - 144	0.010	0.700	0.000	0.063	0.004	0.714	1.050	4.8.2 ✓
	144 - 143	0.010	0.716	0.000	0.063	0.004	0.731	1.050	4.8.2 ✓
	143 - 142	0.010	0.732	0.000	0.062	0.004	0.747	1.050	4.8.2 ✓
L9	142 - 141	0.010	0.750	0.000	0.064	0.004	0.765	1.050	4.8.2 ✓
	141 - 140	0.010	0.768	0.000	0.064	0.004	0.783	1.050	4.8.2 ✓
	140 - 139	0.013	0.793	0.000	0.072	0.004	0.811	1.050	4.8.2 ✓
	139 - 138	0.013	0.813	0.000	0.072	0.003	0.832	1.050	4.8.2 ✓
	138 - 137	0.013	0.833	0.000	0.071	0.003	0.852	1.050	4.8.2 ✓

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L10	137 - 136.834	0.013	0.836	0.000	0.071	0.003	0.855	1.050	4.8.2 ✓
	136.834 - 133.081	0.005	0.379	0.000	0.030	0.001	0.385	1.050	4.8.2 ✓
L11	136.834 - 133.081	0.005	0.363	0.000	0.028	0.001	0.370	1.050	4.8.2 ✓
	133.081 - 131.834	0.009	0.637	0.000	0.047	0.002	0.649	1.050	4.8.2 ✓
L12	131.834 - 130.834	0.009	0.647	0.000	0.047	0.002	0.658	1.050	4.8.2 ✓
	130.834 - 129.834	0.009	0.656	0.000	0.047	0.002	0.667	1.050	4.8.2 ✓
	129.834 - 128.834	0.009	0.665	0.000	0.047	0.002	0.676	1.050	4.8.2 ✓
	128.834 - 127.834	0.009	0.673	0.000	0.046	0.002	0.685	1.050	4.8.2 ✓
	127.834 - 126.834	0.009	0.681	0.000	0.046	0.002	0.693	1.050	4.8.2 ✓
L13	126.834 - 125.834	0.009	0.689	0.000	0.046	0.002	0.701	1.050	4.8.2 ✓
	125.834 - 124.834	0.009	0.697	0.000	0.046	0.002	0.708	1.050	4.8.2 ✓
	124.834 - 123.834	0.009	0.704	0.000	0.045	0.002	0.715	1.050	4.8.2 ✓
	123.834 - 122.834	0.009	0.711	0.000	0.045	0.002	0.722	1.050	4.8.2 ✓
	122.834 - 121.834	0.009	0.717	0.000	0.045	0.002	0.729	1.050	4.8.2 ✓
L14	121.834 - 120.834	0.009	0.724	0.000	0.045	0.002	0.735	1.050	4.8.2 ✓
	120.834 - 119.834	0.009	0.730	0.000	0.044	0.002	0.742	1.050	4.8.2 ✓
	119.834 - 118.834	0.010	0.736	0.000	0.044	0.002	0.748	1.050	4.8.2 ✓
	118.834 - 117.834	0.010	0.742	0.000	0.044	0.002	0.753	1.050	4.8.2 ✓
	117.834 - 116.834	0.010	0.747	0.000	0.044	0.002	0.759	1.050	4.8.2 ✓
L15	116.834 - 115.834	0.010	0.752	0.000	0.044	0.002	0.764	1.050	4.8.2 ✓
	115.834 - 114.834	0.010	0.757	0.000	0.043	0.002	0.769	1.050	4.8.2 ✓
	114.834 - 113.834	0.010	0.762	0.000	0.043	0.002	0.774	1.050	4.8.2 ✓
	113.834 - 112.834	0.010	0.767	0.000	0.043	0.002	0.778	1.050	4.8.2 ✓
	112.834 - 111.834	0.010	0.771	0.000	0.043	0.002	0.783	1.050	4.8.2 ✓
L16	111.834 - 110.834	0.010	0.776	0.000	0.043	0.002	0.787	1.050	4.8.2 ✓
	110.834 - 109.834	0.010	0.780	0.000	0.042	0.001	0.791	1.050	4.8.2 ✓

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L17	109.834 - 108.834	0.010	0.784	0.000	0.042	0.001	0.795	1.050	4.8.2 ✓
	108.834 - 107.834	0.010	0.787	0.000	0.042	0.001	0.799	1.050	4.8.2 ✓
	107.834 - 106.834	0.010	0.791	0.000	0.042	0.001	0.803	1.050	4.8.2 ✓
	106.834 - 105.834	0.010	0.795	0.000	0.042	0.001	0.806	1.050	4.8.2 ✓
	105.834 - 104.834	0.010	0.798	0.000	0.042	0.001	0.810	1.050	4.8.2 ✓
	104.834 - 103.834	0.010	0.801	0.000	0.041	0.001	0.813	1.050	4.8.2 ✓
	103.834 - 102.834	0.010	0.804	0.000	0.041	0.001	0.816	1.050	4.8.2 ✓
L18	102.834 - 101.834	0.010	0.807	0.000	0.041	0.001	0.819	1.050	4.8.2 ✓
	101.834 - 100.834	0.010	0.810	0.000	0.041	0.001	0.822	1.050	4.8.2 ✓
	100.834 - 99.834	0.010	0.813	0.000	0.041	0.001	0.825	1.050	4.8.2 ✓
	99.834 - 98.834	0.010	0.815	0.000	0.041	0.001	0.827	1.050	4.8.2 ✓
	98.834 - 97.834	0.010	0.818	0.000	0.040	0.001	0.830	1.050	4.8.2 ✓
	97.834 - 96.834	0.010	0.820	0.000	0.040	0.001	0.832	1.050	4.8.2 ✓
	96.834 - 95.743	0.010	0.823	0.000	0.040	0.001	0.835	1.050	4.8.2 ✓
L19	95.743 - 94.652	0.010	0.825	0.000	0.040	0.001	0.837	1.050	4.8.2 ✓
	94.652 - 93.561	0.010	0.828	0.000	0.040	0.001	0.840	1.050	4.8.2 ✓
	93.561 - 92.47	0.010	0.830	0.000	0.040	0.001	0.842	1.050	4.8.2 ✓
	92.47 - 87.449	0.007	0.438	0.000	0.025	0.001	0.445	1.050	4.8.2 ✓
	87.449 - 86.449	0.013	0.887	0.000	0.047	0.001	0.902	1.050	4.8.2 ✓
	86.449 - 85 (21)	0.013	0.891	0.000	0.047	0.001	0.907	1.050	4.8.2 ✓
	85 - 84.75 (22)	0.013	0.892	0.000	0.047	0.001	0.908	1.050	4.8.2 ✓
L20	84.75 - 83.75	0.013	0.897	0.000	0.046	0.001	0.912	1.050	4.8.2 ✓
	83.75 - 82.75	0.013	0.902	0.000	0.046	0.001	0.917	1.050	4.8.2 ✓
	82.75 - 81.75	0.013	0.906	0.000	0.046	0.001	0.921	1.050	4.8.2 ✓
	81.75 - 80.75	0.013	0.910	0.000	0.046	0.001	0.926	1.050	4.8.2 ✓

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	80.75 - 79.75	0.013	0.915	0.000	0.046	0.001	0.930	1.050	4.8.2 ✓
L24	79.75 - 78.5625	0.013	0.919	0.000	0.045	0.001	0.935	1.050	4.8.2 ✓
	78.5625 - 77.375	0.013	0.924	0.000	0.045	0.001	0.939	1.050	4.8.2 ✓
	77.375 - 76.1875	0.013	0.929	0.000	0.045	0.001	0.944	1.050	4.8.2 ✓
	76.1875 - 75	0.013	0.933	0.000	0.045	0.001	0.949	1.050	4.8.2 ✓
L25	75 - 74.75 (25)	0.007	0.506	0.000	0.024	0.000	0.513	1.050	4.8.2 ✓
L26	74.75 - 74 (26)	0.007	0.506	0.000	0.024	0.000	0.514	1.050	4.8.2 ✓
L27	74 - 73.75 (27)	0.013	0.938	0.000	0.045	0.001	0.953	1.050	4.8.2 ✓
L28	73.75 - 72.75	0.013	0.942	0.000	0.045	0.001	0.957	1.050	4.8.2 ✓
	72.75 - 71.75	0.013	0.945	0.000	0.044	0.001	0.961	1.050	4.8.2 ✓
	71.75 - 70.75	0.013	0.949	0.000	0.044	0.001	0.964	1.050	4.8.2 ✓
	70.75 - 69.75	0.013	0.952	0.000	0.044	0.001	0.967	1.050	4.8.2 ✓
	69.75 - 68.75	0.013	0.955	0.000	0.044	0.001	0.971	1.050	4.8.2 ✓
L29	68.75 - 67.75	0.013	0.959	0.000	0.044	0.001	0.974	1.050	4.8.2 ✓
	67.75 - 66.75	0.013	0.962	0.000	0.044	0.001	0.977	1.050	4.8.2 ✓
	66.75 - 65.75	0.013	0.965	0.000	0.043	0.001	0.980	1.050	4.8.2 ✓
	65.75 - 64.75	0.013	0.968	0.000	0.043	0.001	0.983	1.050	4.8.2 ✓
	64.75 - 63.75	0.013	0.971	0.000	0.043	0.001	0.986	1.050	4.8.2 ✓
L30	63.75 - 62.75	0.013	0.974	0.000	0.043	0.001	0.989	1.050	4.8.2 ✓
	62.75 - 61.75	0.013	0.977	0.000	0.043	0.001	0.992	1.050	4.8.2 ✓
	61.75 - 60.75	0.014	0.980	0.000	0.043	0.001	0.995	1.050	4.8.2 ✓
	60.75 - 59.75	0.014	0.983	0.000	0.042	0.001	0.998	1.050	4.8.2 ✓
	59.75 - 58.75	0.014	0.985	0.000	0.042	0.001	1.001	1.050	4.8.2 ✓
L31	58.75 - 57.75	0.014	0.988	0.000	0.042	0.001	1.003	1.050	4.8.2 ✓
	57.75 - 56.75	0.014	0.991	0.000	0.042	0.001	1.006	1.050	4.8.2 ✓
	56.75 - 55.75	0.014	0.993	0.000	0.042	0.001	1.009	1.050	4.8.2 ✓

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	55.75 - 54.75	0.014	0.996	0.000	0.042	0.001	1.011	1.050	4.8.2 ✓
	54.75 - 53.75	0.014	0.998	0.000	0.042	0.001	1.014	1.050	4.8.2 ✓
L32	53.75 - 52.5825	0.014	1.001	0.000	0.041	0.001	1.016	1.050	4.8.2 ✓
	52.5825 - 51.415	0.014	1.004	0.000	0.041	0.001	1.019	1.050	4.8.2 ✓
	51.415 - 50.2475	0.014	1.006	0.000	0.041	0.001	1.022	1.050	4.8.2 ✓
	50.2475 - 49.08	0.014	1.009	0.000	0.041	0.001	1.025	1.050	4.8.2 ✓
	49.08 - 42.848	0.007	0.486	0.000	0.019	0.000	0.493	1.050	4.8.2 ✓
L33	49.08 - 42.848	0.007	0.454	0.000	0.018	0.000	0.461	1.050	4.8.2 ✓
	42.848 - 41.848	0.013	0.867	0.000	0.035	0.001	0.881	1.050	4.8.2 ✓
L34	41.848 - 40.848	0.013	0.868	0.000	0.035	0.001	0.882	1.050	4.8.2 ✓
	40.848 - 39.848	0.013	0.870	0.000	0.035	0.001	0.884	1.050	4.8.2 ✓
	39.848 - 38.848	0.013	0.871	0.000	0.035	0.001	0.885	1.050	4.8.2 ✓
	38.848 - 37.848	0.013	0.872	0.000	0.035	0.000	0.886	1.050	4.8.2 ✓
	37.848 - 36.848	0.013	0.873	0.000	0.035	0.000	0.887	1.050	4.8.2 ✓
L35	36.848 - 35.848	0.013	0.875	0.000	0.034	0.000	0.889	1.050	4.8.2 ✓
	35.848 - 34.848	0.013	0.876	0.000	0.034	0.000	0.890	1.050	4.8.2 ✓
	34.848 - 33.848	0.013	0.877	0.000	0.034	0.000	0.891	1.050	4.8.2 ✓
	33.848 - 32.848	0.013	0.878	0.000	0.034	0.000	0.892	1.050	4.8.2 ✓
	32.848 - 31.848	0.013	0.879	0.000	0.034	0.000	0.893	1.050	4.8.2 ✓
L36	31.848 - 30.848	0.013	0.880	0.000	0.034	0.000	0.894	1.050	4.8.2 ✓
	30.848 - 29.848	0.013	0.881	0.000	0.034	0.000	0.895	1.050	4.8.2 ✓
	29.848 - 28.848	0.013	0.882	0.000	0.034	0.000	0.896	1.050	4.8.2 ✓
	28.848 - 27.848	0.013	0.883	0.000	0.034	0.000	0.897	1.050	4.8.2 ✓
	27.848 - 26.848	0.013	0.884	0.000	0.034	0.000	0.898	1.050	4.8.2 ✓
L37	26.848 - 25.848	0.013	0.885	0.000	0.033	0.000	0.899	1.050	4.8.2 ✓
	25.848 - 24.848	0.013	0.886	0.000	0.033	0.000	0.900	1.050	4.8.2 ✓

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L38	24.848 - 23.848	0.013	0.887	0.000	0.033	0.000	0.901	1.050	4.8.2 ✓
	23.848 - 22.848	0.013	0.888	0.000	0.033	0.000	0.902	1.050	4.8.2 ✓
	22.848 - 21.848	0.013	0.889	0.000	0.033	0.000	0.903	1.050	4.8.2 ✓
	21.848 - 20.848	0.013	0.890	0.000	0.033	0.000	0.904	1.050	4.8.2 ✓
	20.848 - 19.848	0.013	0.891	0.000	0.033	0.000	0.905	1.050	4.8.2 ✓
	19.848 - 18.848	0.013	0.892	0.000	0.033	0.000	0.906	1.050	4.8.2 ✓
	18.848 - 17.848	0.013	0.892	0.000	0.033	0.000	0.907	1.050	4.8.2 ✓
L39	17.848 - 16.848	0.013	0.893	0.000	0.033	0.000	0.908	1.050	4.8.2 ✓
	16.848 - 15.848	0.013	0.894	0.000	0.032	0.000	0.908	1.050	4.8.2 ✓
	15.848 - 14.848	0.013	0.895	0.000	0.032	0.000	0.909	1.050	4.8.2 ✓
	14.848 - 13.848	0.013	0.896	0.000	0.032	0.000	0.910	1.050	4.8.2 ✓
	13.848 - 12.848	0.013	0.896	0.000	0.032	0.000	0.911	1.050	4.8.2 ✓
	12.848 - 11.848	0.013	0.897	0.000	0.032	0.000	0.912	1.050	4.8.2 ✓
	11.848 - 10.848	0.013	0.898	0.000	0.032	0.000	0.912	1.050	4.8.2 ✓
L40	10.848 - 9.848	0.014	0.898	0.000	0.032	0.000	0.913	1.050	4.8.2 ✓
	9.848 - 8.848	0.014	0.899	0.000	0.032	0.000	0.914	1.050	4.8.2 ✓
	8.848 - 7.848	0.014	0.900	0.000	0.032	0.000	0.914	1.050	4.8.2 ✓
	7.848 - 6.848	0.014	0.901	0.000	0.032	0.000	0.915	1.050	4.8.2 ✓
	6.848 - 5.848	0.014	0.901	0.000	0.031	0.000	0.916	1.050	4.8.2 ✓
	5.848 - 4.848	0.014	0.902	0.000	0.031	0.000	0.916	1.050	4.8.2 ✓
	4.848 - 3.848	0.014	0.902	0.000	0.031	0.000	0.917	1.050	4.8.2 ✓
L41	3.848 - 2.848	0.014	0.903	0.000	0.031	0.000	0.918	1.050	4.8.2 ✓
	2.848 - 1.848	0.014	0.904	0.000	0.031	0.000	0.918	1.050	4.8.2 ✓
	1.848 - 0 (42)	0.014	0.905	0.000	0.031	0.000	0.920	1.050	4.8.2 ✓
L42							✓		

¹ P_u / ϕP_n controls

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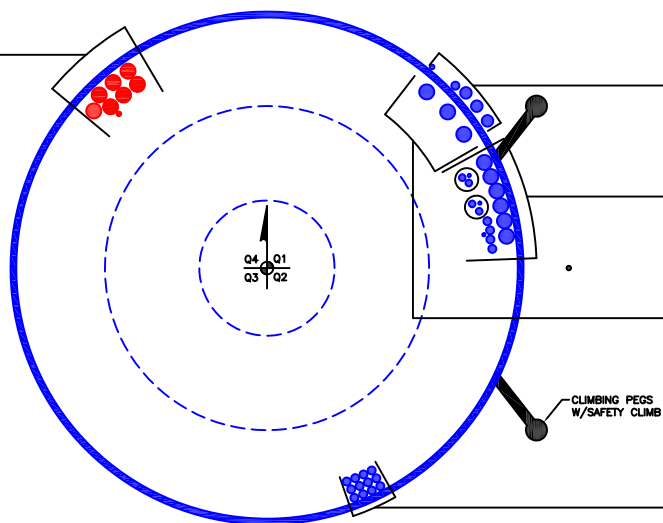
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	182 - 177	Pole	TP15.678x14.5x0.25	1	-0.717	--	5.0	Pass*
L2	177 - 172	Pole	TP16.856x15.678x0.25	2	-0.903	--	8.7	Pass*
L3	172 - 167	Pole	TP18.033x16.856x0.25	3	-5.111	--	15.3	Pass*
L4	167 - 162	Pole	TP19.211x18.033x0.25	4	-5.485	--	28.1	Pass*
L5	162 - 157	Pole	TP20.389x19.211x0.25	5	-5.919	--	38.2	Pass*
L6	157 - 152	Pole	TP21.567x20.389x0.25	6	-9.706	--	52.6	Pass*
L7	152 - 147	Pole	TP22.744x21.567x0.25	7	-10.310	--	62.8	Pass*
L8	147 - 142	Pole	TP23.922x22.744x0.25	8	-10.956	--	71.0	Pass*
L9	142 - 137	Pole	TP25.1x23.922x0.25	9	-15.132	--	81.0	Pass*
L10	137 - 136.83	Pole	TP26.023x25.1x0.25	10	-15.178	--	81.4	Pass*
L11	136.83 - 131.83	Pole	TP25.805x24.639x0.375	11	-16.306	--	61.7	Pass*
L12	131.83 - 126.83	Pole	TP26.972x25.805x0.375	12	-17.250	--	65.9	Pass*
L13	126.83 - 121.83	Pole	TP28.138x26.972x0.375	13	-18.226	--	69.4	Pass*
L14	121.83 - 116.83	Pole	TP29.305x28.138x0.375	14	-19.237	--	72.2	Pass*
L15	116.83 - 111.83	Pole	TP30.471x29.305x0.375	15	-20.281	--	74.5	Pass*
L16	111.83 - 106.83	Pole	TP31.638x30.471x0.375	16	-21.358	--	76.4	Pass*
L17	106.83 - 101.83	Pole	TP32.804x31.638x0.375	17	-22.465	--	77.9	Pass*
L18	101.83 - 96.83	Pole	TP33.971x32.804x0.375	18	-23.605	--	79.2	Pass*
L19	96.83 - 92.47	Pole	TP36.16x33.971x0.375	19	-24.970	--	80.1	Pass*
L20	92.47 - 86.45	Pole	TP35.642x34.239x0.375	20	-31.573	--	85.8	Pass*
L21	86.45 - 85	Pole	TP35.98x35.642x0.375	21	-31.936	--	86.3	Pass*
L22	85 - 84.75	Pole	TP36.038x35.98x0.375	22	-32.032	--	86.4	Pass*
L23	84.75 - 79.75	Pole	TP37.203x36.038x0.375	23	-33.328	--	88.5	Pass*
L24	79.75 - 75	Pole	TP38.31x37.203x0.375	24	-34.602	--	90.3	Pass*
L25	75 - 74.75	Pole + Reinf.	TP38.369x38.31x0.7	25	-34.726	--	77.9	Pass*
L26	74.75 - 74	Pole + Reinf.	TP38.543x38.369x0.7	26	-35.011	--	78.2	Pass*
L27	74 - 73.75	Pole	TP38.602x38.543x0.375	27	-35.084	--	90.8	Pass*
L28	73.75 - 68.75	Pole	TP39.767x38.602x0.375	28	-36.522	--	92.4	Pass*
L29	68.75 - 63.75	Pole	TP40.932x39.767x0.375	29	-37.936	--	93.9	Pass*
L30	63.75 - 58.75	Pole	TP42.098x40.932x0.375	30	-39.380	--	95.3	Pass*
L31	58.75 - 53.75	Pole	TP43.263x42.098x0.375	31	-40.854	--	96.5	Pass*
L32	53.75 - 49.08	Pole	TP45.804x43.263x0.375	32	-42.253	--	97.6	Pass*
L33	49.08 - 41.85	Pole	TP45.281x43.602x0.4375	33	-45.898	--	83.9	Pass*
L34	41.85 - 36.85	Pole	TP46.442x45.281x0.4375	34	-47.609	--	84.5	Pass*
L35	36.85 - 31.85	Pole	TP47.604x46.442x0.4375	35	-49.355	--	85.1	Pass*
L36	31.85 - 26.85	Pole	TP48.765x47.604x0.4375	36	-51.133	--	85.6	Pass*
L37	26.85 - 21.85	Pole	TP49.926x48.765x0.4375	37	-52.944	--	86.0	Pass*
L38	21.85 - 16.85	Pole	TP51.087x49.926x0.4375	38	-54.788	--	86.4	Pass*
L39	16.85 - 11.85	Pole	TP52.248x51.087x0.4375	39	-56.664	--	86.8	Pass*
L40	11.85 - 6.85	Pole	TP53.41x52.248x0.4375	40	-58.572	--	87.2	Pass*
L41	6.85 - 1.85	Pole	TP54.571x53.41x0.4375	41	-60.512	--	87.5	Pass*
L42	1.85 - 0	Pole	TP55x54.571x0.4375	42	-61.221	--	87.6	Pass*
							Summary	
							Pole (L32)	97.6
							RATING =	97.6
								Pass*

* See additional documentation in "Appendix C - Additional Calculations" for calculations supporting the % capacity consumed.

APPENDIX B
BASE LEVEL DRAWING

(PROPOSED EQUIPMENT CONFIGURATION)
(1) 1/2" TO 90 FT LEVEL
(7) 1-5/8" TO 90 FT LEVEL



(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 73 FT LEVEL
(1) 7/8" TO 140 FT LEVEL
(3) 1-1/4" TO 140 FT LEVEL
(OTHER CONSIDERED EQUIPMENT—IN CONDUIT)
(2) 3/8" TO 168 FT LEVEL
(4) 3/4" TO 168 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 5/8" TO 168 FT LEVEL
(4) 7/8" TO 168 FT LEVEL
(6) 1-5/8" TO 168 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 157 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(12) 7/8" TO 178 FT LEVEL

BUSINESS UNIT: 842872

APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 842872
Work Order: 1962049



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Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	182	48.919	3.753	18	14.5	26.023	0.25	Auto	A572-65
2	136.834	49.385	5.021	18	24.64	36.16	0.375	Auto	A572-65
3	92.47	49.622	6.232	18	34.24	45.804	0.375	Auto	A572-65
4	49.08	49.08	0	18	43.60	55	0.4375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	49	75	plate	PL 5.75" x 1"	3			E2						E2						E2			
2	74	85	plate	PL 5.75" x 1"	3				E2						E2						E2		
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	5.75	1	5.75	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	14.000	4.500	1.1875	A572-65
2	5.75	1	5.75	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	14.000	4.500	1.1875	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
PL 5.75" x 1"	Top	8	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	8	N	3	3	-	-	-	-	-	-	-	-	-

TNX Geometry Input

Increment (ft): 5 [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	182 - 177	5		18	14.500	15.678	0.25	A572-65	1.000
2	177 - 172	5		18	15.678	16.856	0.25	A572-65	1.000
3	172 - 167	5		18	16.856	18.033	0.25	A572-65	1.000
4	167 - 162	5		18	18.033	19.211	0.25	A572-65	1.000
5	162 - 157	5		18	19.211	20.389	0.25	A572-65	1.000
6	157 - 152	5		18	20.389	21.567	0.25	A572-65	1.000
7	152 - 147	5		18	21.567	22.744	0.25	A572-65	1.000
8	147 - 142	5		18	22.744	23.922	0.25	A572-65	1.000
9	142 - 137	5		18	23.922	25.100	0.25	A572-65	1.000
10	137 - 136.834	3.919	3.753	18	25.100	26.023	0.25	A572-65	1.000
11	136.834 - 131.834	5		18	24.639	25.805	0.375	A572-65	1.000
12	131.834 - 126.834	5		18	25.805	26.972	0.375	A572-65	1.000
13	126.834 - 121.834	5		18	26.972	28.138	0.375	A572-65	1.000
14	121.834 - 116.834	5		18	28.138	29.305	0.375	A572-65	1.000
15	116.834 - 111.834	5		18	29.305	30.471	0.375	A572-65	1.000
16	111.834 - 106.834	5		18	30.471	31.638	0.375	A572-65	1.000
17	106.834 - 101.834	5		18	31.638	32.804	0.375	A572-65	1.000
18	101.834 - 96.834	5		18	32.804	33.971	0.375	A572-65	1.000
19	96.834 - 92.47	9.385	5.021	18	33.971	36.160	0.375	A572-65	1.000
20	92.47 - 86.449	6.021		18	34.239	35.642	0.375	A572-65	1.000
21	86.449 - 85	1.449		18	35.642	35.980	0.375	A572-65	1.000
22	85 - 84.75	0.25		18	35.980	36.038	0.375	A572-65	1.000
23	84.75 - 79.75	5		18	36.038	37.203	0.375	A572-65	1.000
24	79.75 - 75	4.75		18	37.203	38.310	0.375	A572-65	1.000
25	75 - 74.75	0.25		18	38.310	38.369	0.7	A572-65	0.953
26	74.75 - 74	0.75		18	38.369	38.543	0.7	A572-65	0.951
27	74 - 73.75	0.25		18	38.543	38.602	0.375	A572-65	1.000
28	73.75 - 68.75	5		18	38.602	39.767	0.375	A572-65	1.000
29	68.75 - 63.75	5		18	39.767	40.932	0.375	A572-65	1.000
30	63.75 - 58.75	5		18	40.932	42.098	0.375	A572-65	1.000
31	58.75 - 53.75	5		18	42.098	43.263	0.375	A572-65	1.000
32	53.75 - 49.08	10.902	6.232	18	43.263	45.804	0.375	A572-65	1.000
33	49.08 - 41.848	7.232		18	43.602	45.281	0.4375	A572-65	1.000
34	41.848 - 36.848	5		18	45.281	46.442	0.4375	A572-65	1.000
35	36.848 - 31.848	5		18	46.442	47.604	0.4375	A572-65	1.000
36	31.848 - 26.848	5		18	47.604	48.765	0.4375	A572-65	1.000
37	26.848 - 21.848	5		18	48.765	49.926	0.4375	A572-65	1.000
38	21.848 - 16.848	5		18	49.926	51.087	0.4375	A572-65	1.000
39	16.848 - 11.848	5		18	51.087	52.248	0.4375	A572-65	1.000
40	11.848 - 6.848	5		18	52.248	53.410	0.4375	A572-65	1.000
41	6.848 - 1.848	5		18	53.410	54.571	0.4375	A572-65	1.000
42	1.848 - 0	1.848		18	54.571	55.000	0.4375	A572-65	1.000

TNX Section Forces

Increment (ft):		TNX Output		
	5			
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	182 - 177	0.72	14.65	2.47
2	177 - 172	0.90	29.91	3.27
3	172 - 167	5.11	57.81	13.00
4	167 - 162	5.48	123.97	13.45
5	162 - 157	5.92	192.18	13.84
6	157 - 152	9.71	295.29	19.71
7	152 - 147	10.31	394.76	20.10
8	147 - 142	10.96	496.15	20.48
9	142 - 137	15.13	615.33	24.66
10	137 - 136.834	15.18	619.42	24.66
11	136.834 - 131.834	16.31	744.01	25.19
12	131.834 - 126.834	17.25	870.91	25.61
13	126.834 - 121.834	18.23	999.96	26.05
14	121.834 - 116.834	19.24	1131.17	26.48
15	116.834 - 111.834	20.28	1264.59	26.93
16	111.834 - 106.834	21.36	1400.22	27.37
17	106.834 - 101.834	22.47	1538.09	27.82
18	101.834 - 96.834	23.60	1678.22	28.28
19	96.834 - 92.47	24.97	1802.98	29.12
20	92.47 - 86.449	31.57	1999.45	34.59
21	86.449 - 85	31.94	2049.61	34.71
22	85 - 84.75	32.03	2058.28	34.71
23	84.75 - 79.75	33.33	2232.74	35.12
24	79.75 - 75	34.60	2400.31	35.51
25	75 - 74.75	34.73	2409.18	35.51
26	74.75 - 74	35.01	2435.84	35.60
27	74 - 73.75	35.08	2444.74	35.62
28	73.75 - 68.75	36.52	2624.26	36.10
29	68.75 - 63.75	37.94	2805.55	36.49
30	63.75 - 58.75	39.38	2988.80	36.88
31	58.75 - 53.75	40.85	3173.98	37.26
32	53.75 - 49.08	42.25	3348.63	37.61
33	49.08 - 41.848	45.90	3623.37	38.41
34	41.848 - 36.848	47.61	3816.16	38.78
35	36.848 - 31.848	49.35	4010.81	39.15
36	31.848 - 26.848	51.13	4207.25	39.50
37	26.848 - 21.848	52.94	4405.39	39.83
38	21.848 - 16.848	54.79	4605.13	40.14
39	16.848 - 11.848	56.66	4806.33	40.42
40	11.848 - 6.848	58.57	5008.95	40.70
41	6.848 - 1.848	60.51	5212.98	40.99
42	1.848 - 0	61.22	5288.75	41.12

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
182 - 177	Pole	TP15.678x14.5x0.25	Pole	5.0%	Pass
177 - 172	Pole	TP16.856x15.678x0.25	Pole	8.7%	Pass
172 - 167	Pole	TP18.033x16.856x0.25	Pole	15.3%	Pass
167 - 162	Pole	TP19.211x18.033x0.25	Pole	28.1%	Pass
162 - 157	Pole	TP20.389x19.211x0.25	Pole	38.2%	Pass
157 - 152	Pole	TP21.567x20.389x0.25	Pole	52.6%	Pass
152 - 147	Pole	TP22.744x21.567x0.25	Pole	62.8%	Pass
147 - 142	Pole	TP23.922x22.744x0.25	Pole	71.0%	Pass
142 - 137	Pole	TP25.1x23.922x0.25	Pole	81.0%	Pass
137 - 136.83	Pole	TP26.023x25.1x0.25	Pole	81.4%	Pass
136.83 - 131.83	Pole	TP25.805x24.639x0.375	Pole	61.7%	Pass
131.83 - 126.83	Pole	TP26.972x25.805x0.375	Pole	65.9%	Pass
126.83 - 121.83	Pole	TP28.138x26.972x0.375	Pole	69.4%	Pass
121.83 - 116.83	Pole	TP29.305x28.138x0.375	Pole	72.2%	Pass
116.83 - 111.83	Pole	TP30.471x29.305x0.375	Pole	74.5%	Pass
111.83 - 106.83	Pole	TP31.638x30.471x0.375	Pole	76.4%	Pass
106.83 - 101.83	Pole	TP32.804x31.638x0.375	Pole	77.9%	Pass
101.83 - 96.83	Pole	TP33.971x32.804x0.375	Pole	79.2%	Pass
96.83 - 92.47	Pole	TP36.16x33.971x0.375	Pole	80.1%	Pass
92.47 - 86.45	Pole	TP35.642x34.239x0.375	Pole	85.8%	Pass
86.45 - 85	Pole	TP35.98x35.642x0.375	Pole	86.3%	Pass
85 - 84.75	Pole	TP36.038x35.98x0.375	Pole	86.4%	Pass
84.75 - 79.75	Pole	TP37.203x36.038x0.375	Pole	88.5%	Pass
79.75 - 75	Pole	TP38.31x37.203x0.375	Pole	90.3%	Pass
75 - 74.75	Pole + Reinf.	TP38.369x38.31x0.7	Reinf. 2 Tension Rupture	77.9%	Pass
74.75 - 74	Pole + Reinf.	TP38.543x38.369x0.7	Reinf. 2 Tension Rupture	78.2%	Pass
74 - 73.75	Pole	TP38.602x38.543x0.375	Pole	90.8%	Pass
73.75 - 68.75	Pole	TP39.767x38.602x0.375	Pole	92.4%	Pass
68.75 - 63.75	Pole	TP40.932x39.767x0.375	Pole	93.9%	Pass
63.75 - 58.75	Pole	TP42.098x40.932x0.375	Pole	95.3%	Pass
58.75 - 53.75	Pole	TP43.263x42.098x0.375	Pole	96.5%	Pass
53.75 - 49.08	Pole	TP45.804x43.263x0.375	Pole	97.6%	Pass
49.08 - 41.85	Pole	TP45.281x43.602x0.4375	Pole	83.9%	Pass
41.85 - 36.85	Pole	TP46.442x45.281x0.4375	Pole	84.5%	Pass
36.85 - 31.85	Pole	TP47.604x46.442x0.4375	Pole	85.1%	Pass
31.85 - 26.85	Pole	TP48.765x47.604x0.4375	Pole	85.6%	Pass
26.85 - 21.85	Pole	TP49.926x48.765x0.4375	Pole	86.0%	Pass
21.85 - 16.85	Pole	TP51.087x49.926x0.4375	Pole	86.4%	Pass
16.85 - 11.85	Pole	TP52.248x51.087x0.4375	Pole	86.8%	Pass
11.85 - 6.85	Pole	TP53.41x52.248x0.4375	Pole	87.2%	Pass
6.85 - 1.85	Pole	TP54.571x53.41x0.4375	Pole	87.5%	Pass
1.85 - 0	Pole	TP55x54.571x0.4375	Pole	87.6%	Pass
				Summary	
			Pole	97.6%	Pass
			Reinforcement	78.2%	Pass
			Overall	97.6%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity*		
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2
182 - 177	368	n/a	368	12.24	n/a	12.24	5.0%		
177 - 172	459	n/a	459	13.18	n/a	13.18	8.7%		
172 - 167	564	n/a	564	14.11	n/a	14.11	15.3%		
167 - 162	683	n/a	683	15.05	n/a	15.05	28.1%		
162 - 157	819	n/a	819	15.98	n/a	15.98	38.2%		
157 - 152	971	n/a	971	16.91	n/a	16.91	52.6%		
152 - 147	1141	n/a	1141	17.85	n/a	17.85	62.8%		
147 - 142	1329	n/a	1329	18.78	n/a	18.78	71.0%		
142 - 137	1538	n/a	1538	19.72	n/a	19.72	81.0%		
137 - 136.83	1545	n/a	1545	19.75	n/a	19.75	81.4%		
136.83 - 131.83	2472	n/a	2472	30.27	n/a	30.27	61.7%		
131.83 - 126.83	2828	n/a	2828	31.66	n/a	31.66	65.9%		
126.83 - 121.83	3217	n/a	3217	33.04	n/a	33.04	69.4%		
121.83 - 116.83	3640	n/a	3640	34.43	n/a	34.43	72.2%		
116.83 - 111.83	4098	n/a	4098	35.82	n/a	35.82	74.5%		
111.83 - 106.83	4593	n/a	4593	37.21	n/a	37.21	76.4%		
106.83 - 101.83	5127	n/a	5127	38.60	n/a	38.60	77.9%		
101.83 - 96.83	5700	n/a	5700	39.99	n/a	39.99	79.2%		
96.83 - 92.47	6234	n/a	6234	41.20	n/a	41.20	80.1%		
92.47 - 86.45	6594	n/a	6594	41.97	n/a	41.97	85.8%		
86.45 - 85	6785	n/a	6785	42.38	n/a	42.38	86.3%		
85 - 84.75	6818	n/a	6818	42.45	n/a	42.45	86.4%		
84.75 - 79.75	7509	n/a	7509	43.83	n/a	43.83	88.5%		
79.75 - 75	8206	n/a	8206	45.15	n/a	45.15	90.3%		
75 - 74.75	8244	6733	14977	45.22	34.50	79.72	49.0%	77.9%	77.9%
74.75 - 74	8359	6792	15151	45.43	34.50	79.93	49.3%	78.2%	78.2%
74 - 73.75	8397	n/a	8397	45.50	n/a	45.50	90.8%		
73.75 - 68.75	9189	n/a	9189	46.88	n/a	46.88	92.4%		
68.75 - 63.75	10028	n/a	10028	48.27	n/a	48.27	93.9%		
63.75 - 58.75	10918	n/a	10918	49.66	n/a	49.66	95.3%		
58.75 - 53.75	11859	n/a	11859	51.05	n/a	51.05	96.5%		
53.75 - 49.08	12784	n/a	12784	52.34	n/a	52.34	97.6%		
49.08 - 41.85	15815	n/a	15815	62.27	n/a	62.27	83.9%		
41.85 - 36.85	17076	n/a	17076	63.88	n/a	63.88	84.5%		
36.85 - 31.85	18402	n/a	18402	65.49	n/a	65.49	85.1%		
31.85 - 26.85	19795	n/a	19795	67.11	n/a	67.11	85.6%		
26.85 - 21.85	21256	n/a	21256	68.72	n/a	68.72	86.0%		
21.85 - 16.85	22788	n/a	22788	70.33	n/a	70.33	86.4%		
16.85 - 11.85	24391	n/a	24391	71.94	n/a	71.94	86.8%		
11.85 - 6.85	26068	n/a	26068	73.56	n/a	73.56	87.2%		
6.85 - 1.85	27820	n/a	27820	75.17	n/a	75.17	87.5%		
1.85 - 0	28487	n/a	28487	75.76	n/a	75.76	87.6%		

Note: Section capacity checked using 5 degree increments.

Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

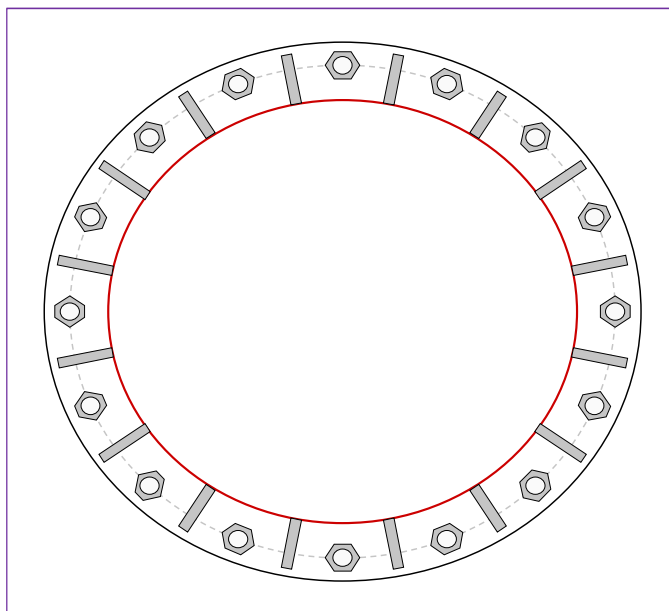


Site Info	
BU #	842872
Site Name	Rocky Hill, CT
Order #	568277 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
I_{ar} (in)	3.125

Applied Loads	
Moment (kip-ft)	5288.75
Axial Force (kips)	61.22
Shear Force (kips)	41.12

*TIA-222-H Section 15.5 Applied



Connection Properties

Anchor Rod Data

(16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 64" BC

Base Plate Data

70" OD x 2" Plate (A871-60; $F_y=60$ ksi, $F_u=80$ ksi)

Stiffener Data

(16) 36"H x 6.5"W x 1.25"T, Notch: 0.75"

plate: $F_y=65$ ksi ; weld: $F_y=80$ ksi

horiz. weld: 0.625" fillet

vert. weld: 0.375" fillet

Pole Data

55" x 0.4375" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Analysis Results

Anchor Rod Summary

(units of kips, kip-in)

$Pu_t = 243.96$	$\phi Pn_t = 243.75$	Stress Rating
$Vu = 2.57$	$\phi Vn = 149.1$	95.4%
$Mu = n/a$	$\phi Mn = n/a$	Pass

Base Plate Summary

Max Stress (ksi):	41.79	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	73.7%	Pass

Stiffener Summary

Horizontal Weld:	89.8%	Pass
Vertical Weld:	25.2%	Pass
Plate Flexure+Shear:	2.8%	Pass
Plate Tension+Shear:	39.4%	Pass
Plate Compression:	33.1%	Pass

Pole Summary

Punching Shear:	4.0%	Pass
-----------------	-------------	-------------

Drilled Pier Foundation

BU # : 842872
 Site Name: Rocky Hill, CT
 Order Number: 568277 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

Report File:



Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	5289	
Axial Force (kips)	61	
Shear Force (kips)	41	

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

Pier Design Data		
Depth	17.667	ft
Ext. Above Grade	0.833	ft
Pier Section 1		
From 0.833' above grade to 15.167' below grade		
Pier Diameter	7	ft
Rebar Quantity	20	
Rebar Size	11	
Clear Cover to Ties	3	in
Tie Size	3	
Tie Spacing		in
Rebar Quantity	4	
Rebar Size	11	
Rebar Cage Diameter	71	in
Pier Section 2		
From 15.167' below grade to 17.617' below grade		
Pier Diameter	7	ft
Rebar Quantity	20	
Rebar Size	11	
Clear Cover to Ties	3	in
Tie Size	3	
Tie Spacing		in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	Compression	Uplift
D _{v=0} (ft from TOC)	4.65	-
Soil Safety Factor	1.94	-
Max Moment (kip-ft)	5474.43	-
Rating*	65.1%	-

Soil Vertical Check	Compression	Uplift
Skin Friction (kips)	439.84	-
End Bearing (kips)	659.53	-
Weight of Concrete (kips)	101.71	-
Total Capacity (kips)	1099.36	-
Axial (kips)	162.71	-
Rating*	14.1%	-

Reinforced Concrete Flexure	Compression	Uplift
Critical Depth (ft from TOC)	4.53	-
Critical Moment (kip-ft)	5473.83	-
Critical Moment Capacity	5861.41	-
Rating*	88.9%	-

Reinforced Concrete Shear	Compression	Uplift
Critical Depth (ft from TOC)	14.39	-
Critical Shear (kip)	576.08	-
Critical Shear Capacity	587.81	-
Rating*	93.3%	-

Shear-Friction Methodology is Applied

Soil Interaction Rating*	65.1%
Structural Foundation Rating*	93.3%

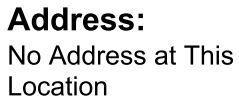
*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☒
N/A	☐
Shear Design Options	
Check Shear along Depth of Pier:	☒
Utilize Shear-Friction Methodology:	☒
Override Critical Depth:	☐

[Go to Soil Calculations](#)

Soil Profile			
Groundwater Depth	8.5	# of Layers	6

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	Y _{soil} (pcf)	Y _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.33	3.33	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.33	5	1.67	120	150	3	0	1.650	1.650	0.00	0.00			Cohesive
3	5	7	2	110	150	1.75	0	0.963	0.963	0.96	0.96			Cohesive
4	7	8.5	1.5	135	150	5	0	2.321	2.321	2.32	2.32			Cohesive
5	8.5	12	3.5	73	87.6	5	0	2.321	2.321	2.32	2.32			Cohesive
6	12	17.667	5.667	73	87.6	5	0	2.321	2.321	2.32	2.32	22.85		Cohesive



ASCE 7 Hazards Report

Standard: ASCE/SEI 7-10

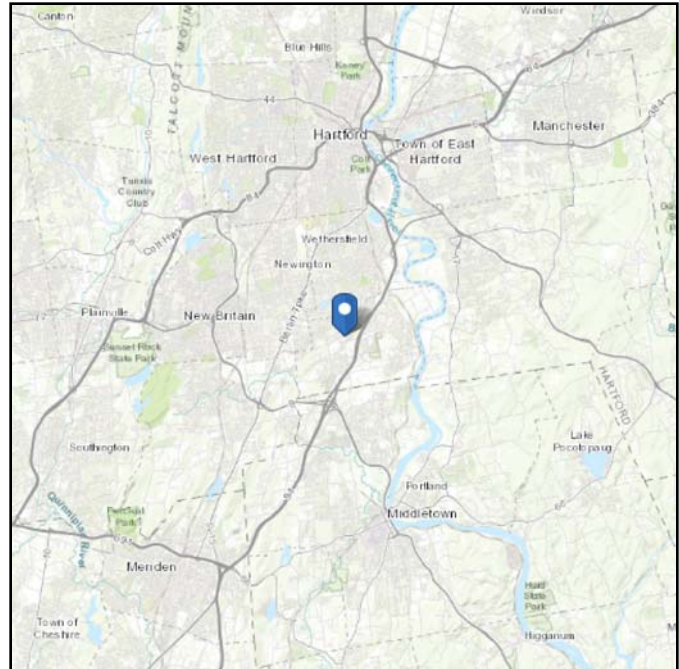
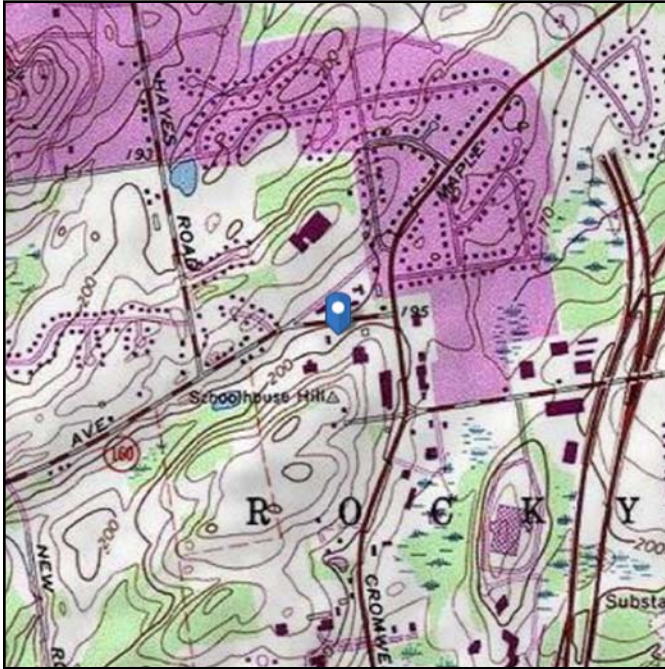
Risk Category: II

Soil Class: D - Stiff Soil

Elevation: 198.53 ft (NAVD 88)

Latitude: 41.660247

Longitude: -72.680717

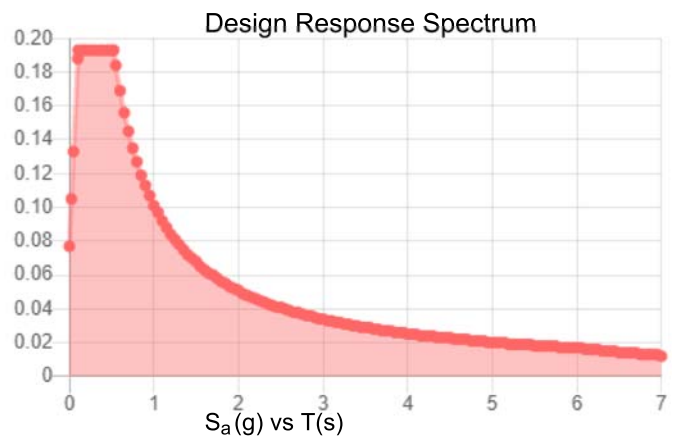
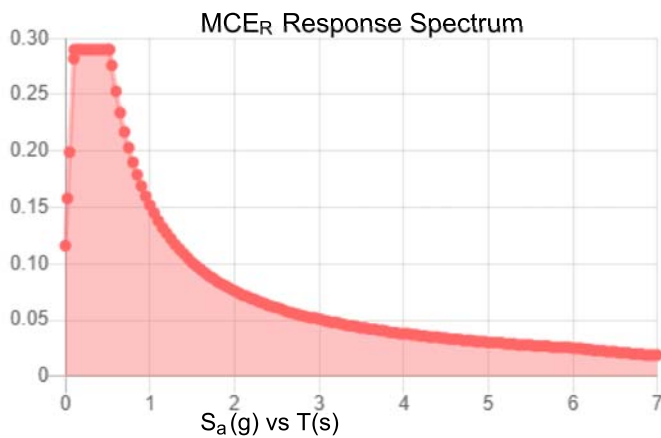


Site Soil Class: D - Stiff Soil

Results:

S_S :	0.181	S_{DS} :	0.193
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.092
S_{MS} :	0.29	PGA_M :	0.147
S_{M1} :	0.152	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Mon May 10 2021

Date Source:

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

Ice

Results:

Ice Thickness: 1.00 in.

Concurrent Temperature: 5 F

Gust Speed: 50 mph

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

Date Accessed: Mon May 10 2021

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

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

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

Exhibit E

Mount Analysis



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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10058982
Maser Consulting Connecticut Project #: 21777775A

June 24, 2021

Site Information

Site ID: 468685-VZW / ROCKY HILL 3 CT
Site Name: ROCKY HILL 3 CT
Carrier Name: Verizon Wireless
Address: 52 New Britain Ave
Rocky Hill, Connecticut 06067
Hartford County
Latitude: 41.660277°
Longitude: -72.681110°

Structure Information

Tower Type: 182-Ft Monopole
Mount Type: 13.92-Ft Platform

FUZE ID # 16232007

Analysis Results

Platform: 56.0% Pass

*****Contractor PMI Requirements:**

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Zachary Telljohann



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: 324786, dated March 18, 2021
Mount Mapping Report	Elite-ICT, Site ID: 842872, dated April 19, 2021

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: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.993
Seismic Parameters:	S_s : 0.200 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
87.50	88.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Added
	90.00	6	Commscope	NHH-65B-R2B	Retained
		3	Amphenol Antel	BXA-70080-4BF-EDIN-0	
		3	RFS	FD9R6004/2C-3L	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RRFDC-3315-PF-48	
		1	-	GPS	
	91.5	3	Samsung	MT6407-77A	Added

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	2	OVP-2
RVZDC-6627-PF-48	6	OVP-6

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - 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
<i>Mount Pipe</i>	35.6%	<i>Pass</i>
<i>Support Rail Corner Angle</i>	53.3%	<i>Pass</i>
<i>Support Rail Stabilizer</i>	10.6%	<i>Pass</i>
<i>Standoff Angle</i>	26.4%	<i>Pass</i>
<i>Standoff Horizontal Smaller</i>	25.5%	<i>Pass</i>
<i>Standoff Horizontal Larger</i>	12.6%	<i>Pass</i>
<i>Support Rail</i>	48.1%	<i>Pass</i>
<i>Standoff Double Angle</i>	6.8%	<i>Pass</i>
<i>Face Horizontal</i>	56.0%	<i>Pass</i>
<i>Connection Check</i>	24.8%	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	56.0%
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Recommendation:

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

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

Attachments:

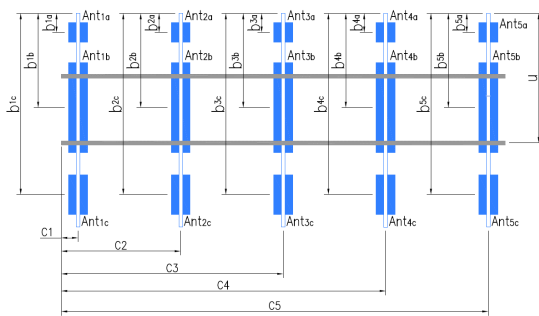
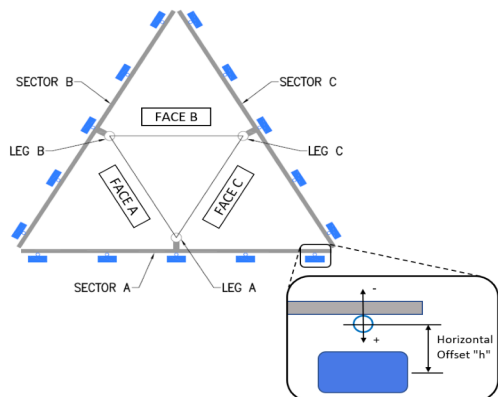
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Windspeed Usage Letter



1277671

Tower Owner:	Crown Castle	Mapping Date:	4/19/2021
Site Name:	Rocky Hill	Tower Type:	Monopole
Site Number or ID:	842872	Tower Height (Ft.):	160
Mapping Contractor:	Elite ICT Services	Mount Elevation (Ft.):	96

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



Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	83.75 x 2-3/8" x 1/8"	53.00	28.00	C1	84 x 2-3/8" x 1/8"	55.50	28.00
A2	72 x 2.5" x 3/16"	58.00	64.00	C2	73 x 2.5" x 3/16"	62.50	66.00
A3	73 x 2.5" x 3/16"	42.00	120.00	C3	73 x 2.5" x 3/16"	57.00	117.00
A4	73 x 2.5" x 3/16"	38.00	146.00	C4	73 x 2.5" x 3/16"	38.50	145.00
A5				C5			
A6				C6			
B1	84 x 2-3/8" x 1/8"	51.00	23.00	D1			
B2	72 x 2.5" x 3/16"	54.00	63.00	D2			
B3	73 x 2.5" x 3/16"	49.00	116.00	D3			
B4	73 x 2.5" x 3/16"	34.00	145.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							46
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							0
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					11.3

[illegible]

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B										
Sector A:	30.00	Deg	Leg A:		Deg			Ant _{1a}	NHH-65B-R2B	12.00	8.00	72.00		98.0833	26.00	9.00	180.00	264,265
Sector B:	150.00	Deg	Leg B:		Deg			Ant _{1b}	NHH-65B-R2B	12.00	8.00	72.00		98.0833	26.00	9.00	180.00	264,266
Sector C:	270.00	Deg	Leg C:		Deg			Ant _{1c}	RFV01U-D2A	16.00	10.00	15.50		97.6667	31.00	8.00		264,267
Sector D:		Deg	Leg D:		Deg			Ant _{2a}	RFV01U-D1A	16.00	12.00	15.50		97.6667	34.00	9.00		268,269
								Ant _{2b}										
								Ant _{2c}										
Climbing Facility Information								Ant _{3a}	1270-09-5344	12.00	6.50	74.50		98.75	16.00	8.00	150.00	270,271
Climbing Facility	Location:		150.00	Deg	Sector B			Ant _{3b}	FD9R6004/2C-3L	7.00	0.50	6.00		97.5	31.00	-4.00		272,273
	Corrosion Type:							Ant _{3c}										
	Access:		Climbing path was unobstructed.					Ant _{4a}	BXA70080-4CF-EDIN	8.00	5.00	47.50		96.8333	24.00	16.00	150.00	274,276
								Ant _{4b}	FD9R6004/2C-3L	7.00	0.50	6.00		96.6667	26.00	-4.00		277,279
								Ant _{4c}										
								Ant _{5a}										
								Ant _{5b}										
								Ant _{5c}										
								Ant on Standoff										
								Ant on Standoff										
								Ant on Tower										
								Ant on Tower										
								Sector C										
								Ant _{1a}	NHH-65B-R2B	12.00	8.00	72.00		98.2083	29.00	9.50	240.00	345,347
								Ant _{1b}	NHH-65B-R2B	12.00	8.00	72.00		98.2083	29.00	9.50	240.00	345,348
								Ant _{1c}	RFV01U-D2A	16.00	10.00	15.50		97.875	33.00	-8.00		345,349
								Ant _{2a}	RFV01U-D1A	16.00	12.00	15.50		97.7917	41.00	-10.00		350,351
								Ant _{2b}										
								Ant _{2c}										
								Ant _{3a}	1270-09-5344	12.00	6.50	74.50		98.4167	28.00	6.50	240.00	352,354
								Ant _{3b}	FD9R6004/2C-3L	7.00	0.50	6.00		97.625	37.50	-4.00		355,357
								Ant _{3c}										
								Ant _{4a}	BXA70080-4CF-EDIN	8.00	5.00	47.50		97.375	22.00	16.00	240.00	358,359
								Ant _{4b}	FD9R6004/2C-3L	7.00	0.50	6.00		97.2917	23.00	-4.00		360,361
								Ant _{4c}										
								Ant _{5a}										
								Ant _{5b}										
								Ant _{5c}										
								Ant on Standoff	RRFDC-3315-PF-48	14.00	10.00	27.00			30.00	8.00		327,331
								Ant on Standoff	RRFDC-3315-PF-48	14.00	10.00	27.00			30.00	8.00		332,334
								Ant on Tower										
								Ant on Tower										
								Sector D										
								Ant _{1a}										
								Ant _{1b}										
								Ant _{1c}										
								Ant _{2a}										
								Ant _{2b}										
								Ant _{2c}										
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								Ant _{4c}										
								Ant _{5a}										
								Ant _{5b}										
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								Ant on Standoff										
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Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #



Antenna Mount Mapping Form (PATENT PENDING)

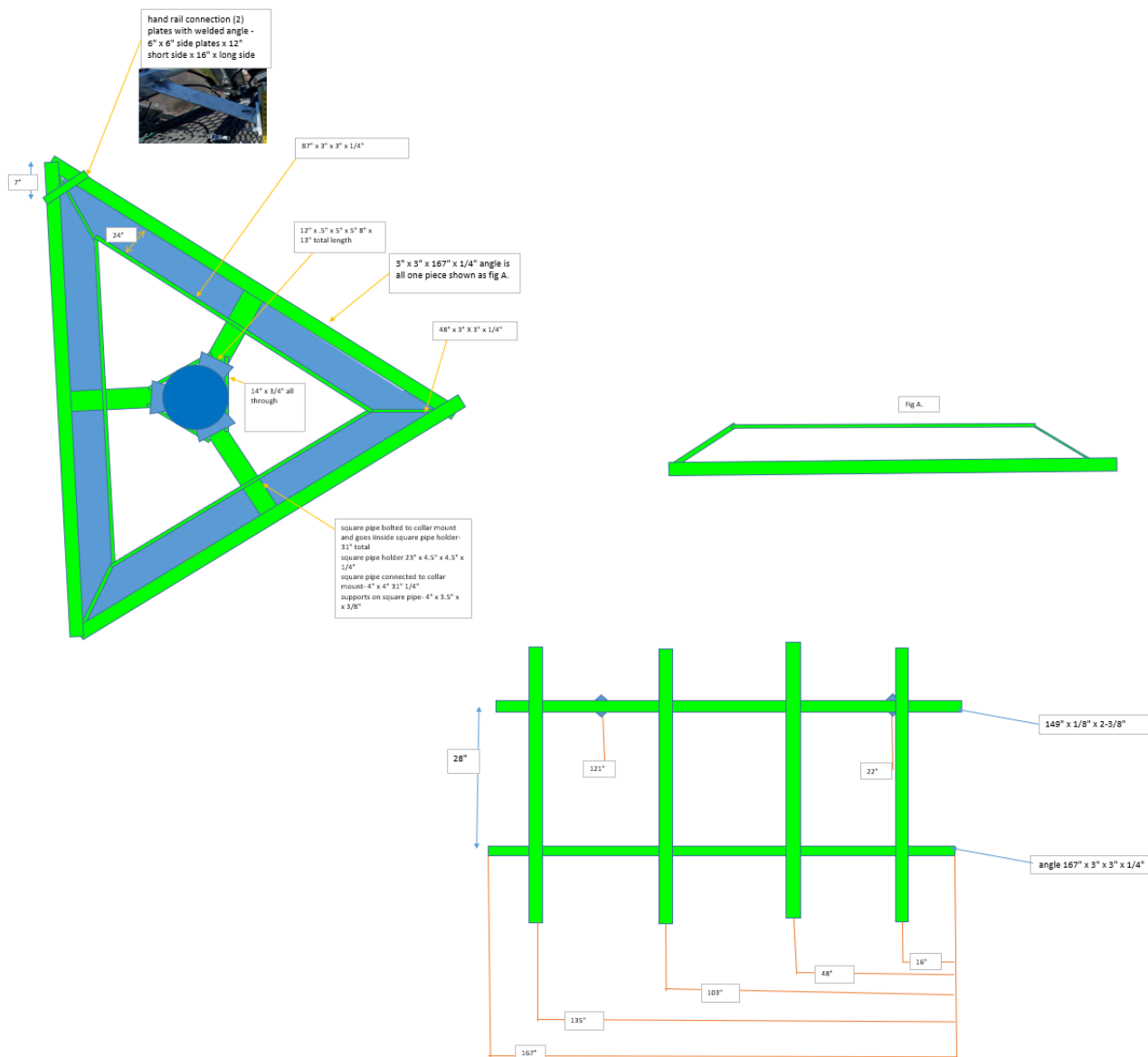
FCC #

1277671

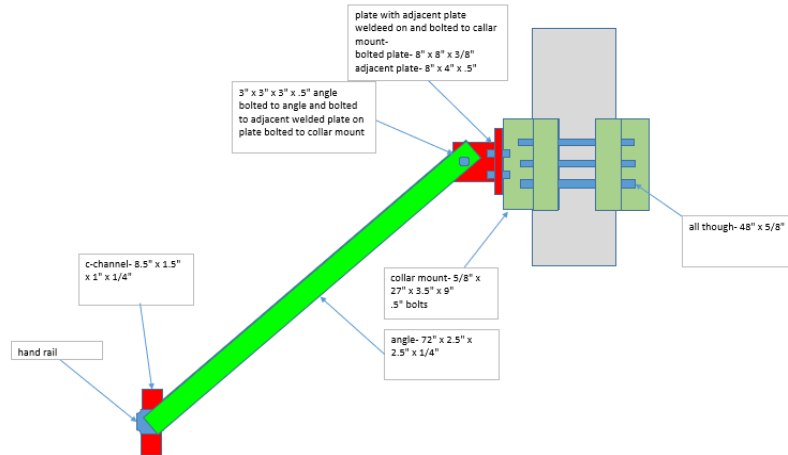
Tower Owner:	Crown Castle	Mapping Date:	4/19/2021
Site Name:	Rocky Hill	Tower Type:	Monopole
Site Number or ID:	842872	Tower Height (Ft.):	160
Mapping Contractor:	Elite ICT Services	Mount Elevation (Ft.):	96

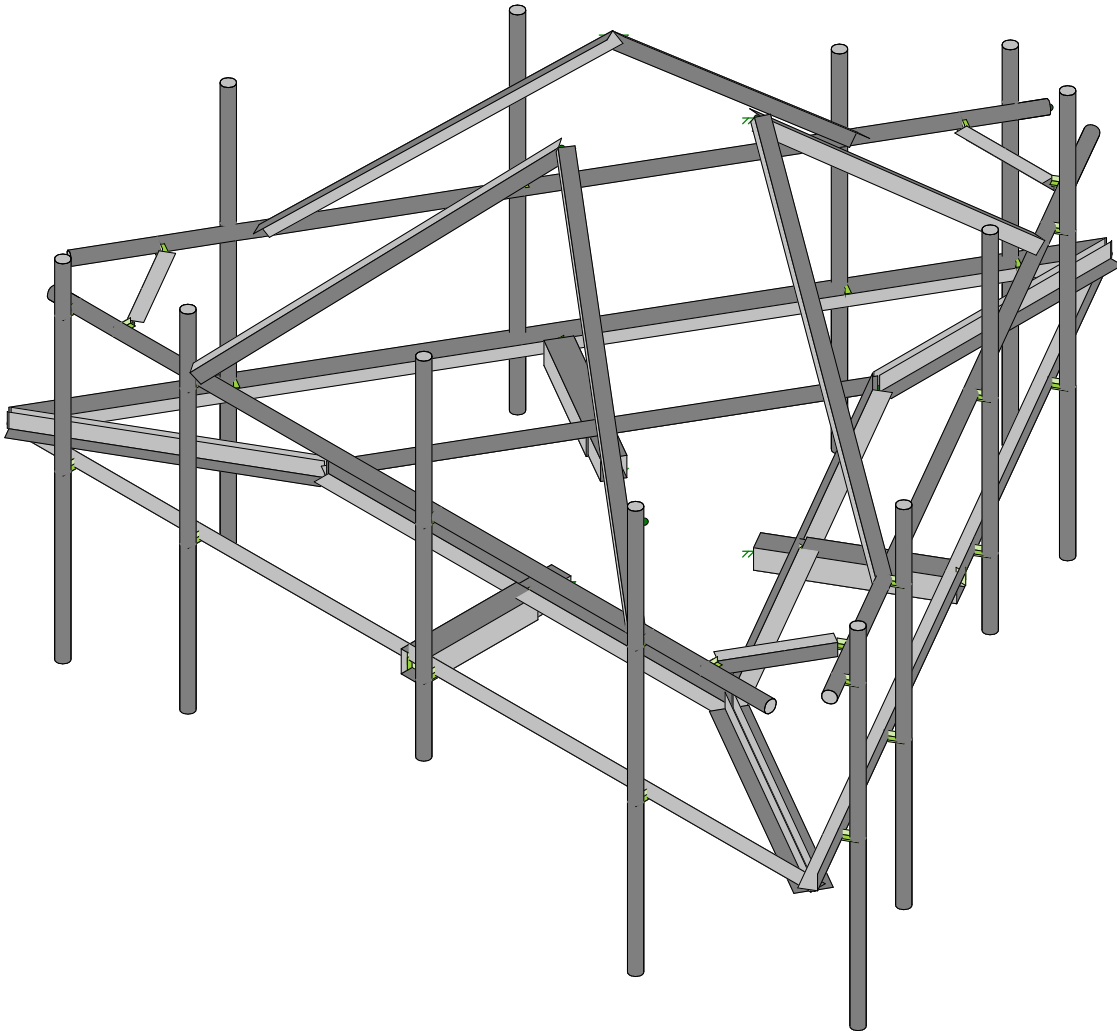
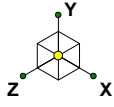
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is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

Please Insert Sketches of the Antenna Mount



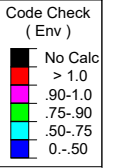
Please Insert Sketches of the Antenna Mount, cont'd



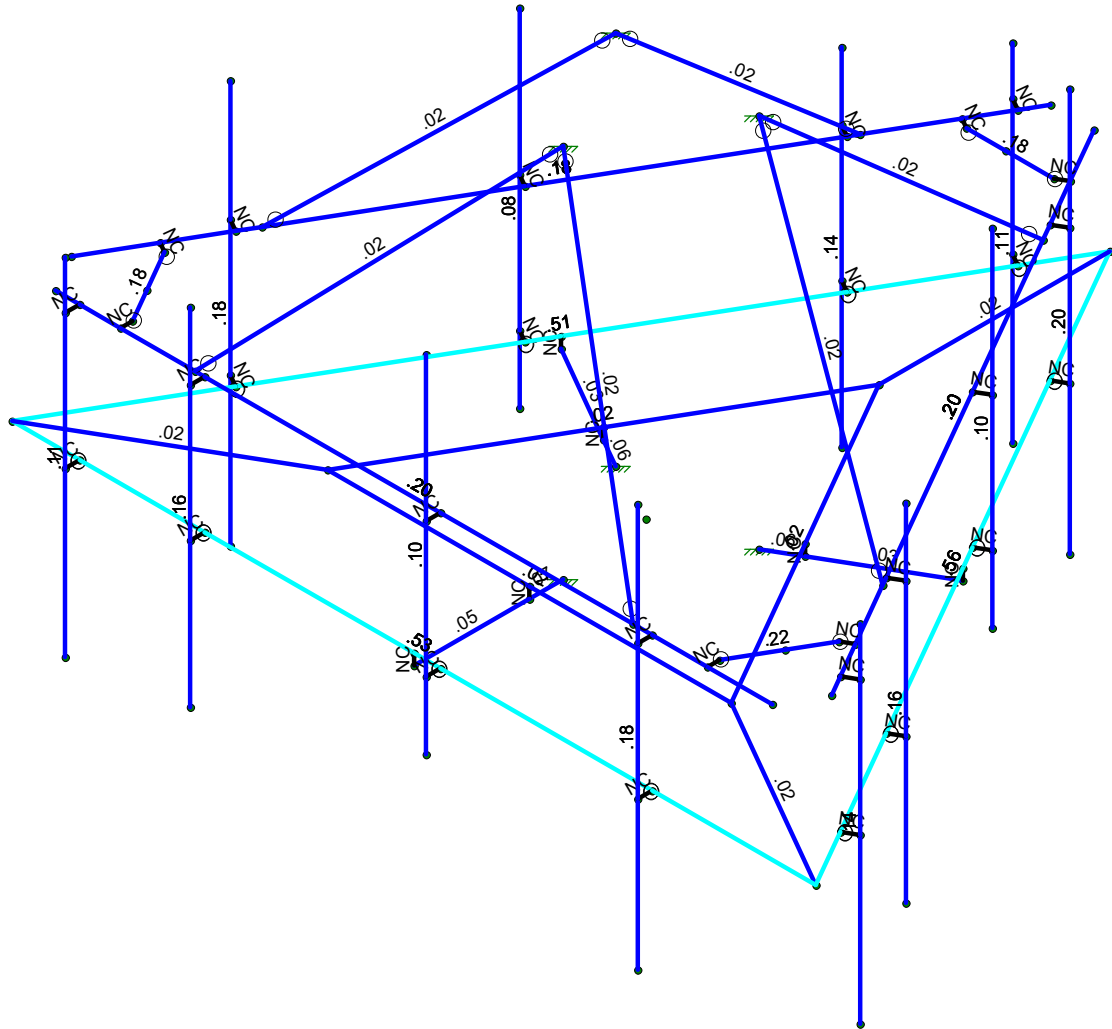
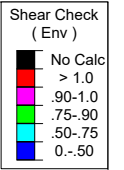
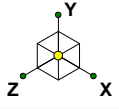


Envelope Only Solution

		SK - 1
		June 24, 2021 at 4:55 PM
		468685-VZW_MT_LO_H.r3d



468685-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

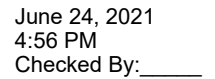
SK - 3

June 24, 2021 at 4:56 PM

468685-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					117		
2	Antenna Di	None					117		
3	Antenna Wo (0 Deg)	None					117		
4	Antenna Wo (30 Deg)	None					117		
5	Antenna Wo (60 Deg)	None					117		
6	Antenna Wo (90 Deg)	None					117		
7	Antenna Wo (120 Deg)	None					117		
8	Antenna Wo (150 Deg)	None					117		
9	Antenna Wo (180 Deg)	None					117		
10	Antenna Wo (210 Deg)	None					117		
11	Antenna Wo (240 Deg)	None					117		
12	Antenna Wo (270 Deg)	None					117		
13	Antenna Wo (300 Deg)	None					117		
14	Antenna Wo (330 Deg)	None					117		
15	Antenna Wi (0 Deg)	None					117		
16	Antenna Wi (30 Deg)	None					117		
17	Antenna Wi (60 Deg)	None					117		
18	Antenna Wi (90 Deg)	None					117		
19	Antenna Wi (120 Deg)	None					117		
20	Antenna Wi (150 Deg)	None					117		
21	Antenna Wi (180 Deg)	None					117		
22	Antenna Wi (210 Deg)	None					117		
23	Antenna Wi (240 Deg)	None					117		
24	Antenna Wi (270 Deg)	None					117		
25	Antenna Wi (300 Deg)	None					117		
26	Antenna Wi (330 Deg)	None					117		
27	Antenna Wm (0 Deg)	None					117		
28	Antenna Wm (30 Deg)	None					117		
29	Antenna Wm (60 Deg)	None					117		
30	Antenna Wm (90 Deg)	None					117		
31	Antenna Wm (120 Deg)	None					117		
32	Antenna Wm (150 Deg)	None					117		
33	Antenna Wm (180 Deg)	None					117		
34	Antenna Wm (210 Deg)	None					117		
35	Antenna Wm (240 Deg)	None					117		
36	Antenna Wm (270 Deg)	None					117		
37	Antenna Wm (300 Deg)	None					117		
38	Antenna Wm (330 Deg)	None					117		
39	Structure D	None		-1					3
40	Structure Di	None						39	3
41	Structure Wo (0 Deg)	None						78	
42	Structure Wo (30 Deg)	None						78	
43	Structure Wo (60 Deg)	None						78	
44	Structure Wo (90 Deg)	None						78	
45	Structure Wo (120 D...	None						78	
46	Structure Wo (150 D...	None						78	
47	Structure Wo (180 D...	None						78	
48	Structure Wo (210 D...	None						78	
49	Structure Wo (240 D...	None						78	
50	Structure Wo (270 D...	None						78	
51	Structure Wo (300 D...	None						78	
52	Structure Wo (330 D...	None						78	
53	Structure Wi (0 Deg)	None						78	
54	Structure Wi (30 Deg)	None						78	
55	Structure Wi (60 Deg)	None						78	
56	Structure Wi (90 Deg)	None						78	



	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...)	Surface(P...
57	Structure Wi (120 De...	None						78		
58	Structure Wi (150 De...	None						78		
59	Structure Wi (180 De...	None						78		
60	Structure Wi (210 De...	None						78		
61	Structure Wi (240 De...	None						78		
62	Structure Wi (270 De...	None						78		
63	Structure Wi (300 De...	None						78		
64	Structure Wi (330 De...	None						78		
65	Structure Wm (0 Deg)	None						78		
66	Structure Wm (30 De...	None						78		
67	Structure Wm (60 De...	None						78		
68	Structure Wm (90 De...	None						78		
69	Structure Wm (120 D...	None						78		
70	Structure Wm (150 D...	None						78		
71	Structure Wm (180 D...	None						78		
72	Structure Wm (210 D...	None						78		
73	Structure Wm (240 D...	None						78		
74	Structure Wm (270 D...	None						78		
75	Structure Wm (300 D...	None						78		
76	Structure Wm (330 D...	None						78		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						27		
82	BLC 40 Transient Are...	None						27		

	Description	Sol.	PD.	SR.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
1	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	3	1	41	1										
2	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	4	1	42	1										
3	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	5	1	43	1										
4	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	6	1	44	1										
5	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	7	1	45	1										
6	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	8	1	46	1										
7	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	9	1	47	1										
8	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	10	1	48	1										
9	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	11	1	49	1										
10	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	12	1	50	1										
11	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	13	1	51	1										
12	1.2D+1.0Wo	Yes	Y		1	1.2	39	1.2	14	1	52	1										
13	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1						
17	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1						
18	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1						
19	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1						
20	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1						
21	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1						
22	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1						
23	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1						
24	1.2D + 1.0Di	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1						
25	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1								
26	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	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.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
27	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1				
28	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1				
29	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1				
30	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1				
31	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1				
32	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1				
33	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1				
34	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1				
35	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1				
36	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1				
37	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1				
38	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1				
39	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1				
40	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1				
41	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1				
42	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1				
43	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1				
44	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1				
45	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1				
46	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1				
47	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1				
48	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1				
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5								
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5								
51	1.4D	Yes	Y		1	1.4	39	1.4										
52	Seismic Mass		Y		1	1	39	1										
53	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1				
54	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866				
55	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5				
56	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ					
57	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5				
58	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866				
59	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1				
60	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866				
61	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5				
62	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ					
63	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5				
64	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	4.666917	0	
2	N2	6.958333	0	4.666917	0	
3	N3	-6.958333	0	4.666917	0	
4	N11	0	0	2.666914	0	
5	N14	0	-0.1875	4.666917	0	
6	N15	0	-0.1875	2.666914	0	
7	N16	0	-0.1875	2.08358	0	
8	N31	6.208333	2.333333	4.666917	0	
9	N32	-6.208333	2.333333	4.666917	0	
10	N101	-5.083333	2.333333	4.666917	0	
11	N103	-5.083333	2.333333	4.458583	0	
12	N112	-5.423746	2.333333	3.868971	0	
13	N20	-0	0	-7.38527	0	
14	N21	6.583333	2.333333	4.017398	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N22	0.375	2.333333	-6.735751	0	
16	N20A	-0.	0	-3.38527	0	
17	N21A	-0.	0	0.649521	0	
18	N29	-3.494231	0	2.666916	0	
19	N39	3.494231	0	2.666916	0	
20	N33A	-0.375	2.333333	-6.735752	0	
21	N34A	-6.583333	2.333333	4.017397	0	
22	N35A	5.083332	2.333333	4.666919	0	
23	N36	5.083332	2.333333	4.458586	0	
24	N31A	3.479167	0	-1.359177	0	
25	N32A	1.747114	0	-0.359176	0	
26	N33	3.479167	-0.1875	-1.359177	0	
27	N34	1.747114	-0.1875	-0.359176	0	
28	N35	1.241932	-0.1875	-0.067509	0	
29	N37	-3.479167	0	-1.359177	0	
30	N38A	-1.747114	0	-0.359176	0	
31	N39B	-3.479167	-0.1875	-1.359177	0	
32	N40A	-1.747114	-0.1875	-0.359176	0	
33	N41A	-1.241932	-0.1875	-0.067509	0	
34	N50	4.125	0	4.666917	0	
35	N51	0.458333	0	4.666917	0	
36	N52A	-3.625	0	4.666917	0	
37	N53A	-5.791667	0	4.666917	0	
38	N54	4.125	2.333333	4.666917	0	
39	N55	0.458333	2.333333	4.666917	0	
40	N56	-3.625	2.333333	4.666917	0	
41	N57	-5.791667	2.333333	4.666917	0	
42	N58	4.125	0	4.916917	0	
43	N59	0.458333	0	4.916917	0	
44	N60	-3.625	0	4.916917	0	
45	N61	-5.791667	0	4.916917	0	
46	N62	4.125	2.333333	4.916917	0	
47	N63	0.458333	2.333333	4.916917	0	
48	N64	-3.625	2.333333	4.916917	0	
49	N65	-5.791667	2.333333	4.916917	0	
50	N66	4.125	4.416667	4.916917	0	
51	N67	4.125	-2.5625	4.916917	0	
52	N68	0.458333	4.833333	4.916917	0	
53	N69	0.458333	-1.166667	4.916917	0	
54	N70	-3.625	3.5	4.916917	0	
55	N71	-3.625	-2.5	4.916917	0	
56	N72	-5.791667	3.166667	4.916917	0	
57	N73	-5.791667	-2.833333	4.916917	0	
58	N127A	1.241932	6.3125	-0.067509	0	
59	N128	-1.241932	6.3125	-0.067509	0	
60	N129	-0.	6.3125	2.08358	0	
61	N120A	-3.791667	2.333333	4.666917	0	
62	N121A	3.791667	2.333333	4.666917	0	
63	N124A	5.375	2.333333	1.924502	0	
64	N125A	1.583334	2.333333	-4.642857	0	
65	N128A	-1.583334	2.333333	-4.642857	0	
66	N129A	-5.375	2.333333	1.924502	0	
67	N119A	6.020834	2.333333	3.043118	0	
68	N120B	5.840412	2.333333	3.147285	0	
69	N121B	5.499999	2.333333	3.736898	0	
70	N123A	0.937503	2.333333	-5.761473	0	
71	N124B	0.757081	2.333333	-5.657307	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N125B	-0.9375	2.333333	-5.761473	0	
73	N126A	-0.757078	2.333333	-5.657307	0	
74	N127B	-0.076252	2.333333	-5.657307	0	
75	N129B	-6.020835	2.333333	3.043116	0	
76	N130	-5.840413	2.333333	3.147283	0	
77	N82	1.416667	0	-4.931532	0	
78	N83	3.25	0	-1.756106	0	
79	N84	5.291667	0	1.780165	0	
80	N85	6.375	0	3.656553	0	
81	N86	1.416667	2.333333	-4.931532	0	
82	N87	3.25	2.333333	-1.756106	0	
83	N88	5.291667	2.333333	1.780165	0	
84	N89	6.375	2.333333	3.656553	0	
85	N90	1.633173	0	-5.056532	0	
86	N91	3.466507	0	-1.881106	0	
87	N92	5.508173	0	1.655165	0	
88	N93	6.591507	0	3.531553	0	
89	N94	1.633173	2.333333	-5.056532	0	
90	N95	3.466507	2.333333	-1.881106	0	
91	N96	5.508173	2.333333	1.655165	0	
92	N97	6.591507	2.333333	3.531553	0	
93	N98	1.633173	4.416667	-5.056532	0	
94	N99	1.633173	-2.5625	-5.056532	0	
95	N100	3.466507	4.833333	-1.881106	0	
96	N101A	3.466507	-1.166667	-1.881106	0	
97	N102	5.508173	3.5	1.655165	0	
98	N103A	5.508173	-2.5	1.655165	0	
99	N104	6.591507	3.166667	3.531553	0	
100	N105	6.591507	-2.833333	3.531553	0	
101	N107	-5.541667	0	2.213177	0	
102	N108	-3.708334	0	-0.962249	0	
103	N109	-1.666667	0	-4.498519	0	
104	N110	-0.583334	0	-6.374908	0	
105	N111	-5.541667	2.333333	2.213177	0	
106	N112A	-3.708334	2.333333	-0.962249	0	
107	N113	-1.666667	2.333333	-4.498519	0	
108	N114	-0.583334	2.333333	-6.374908	0	
109	N115	-5.758173	0	2.088177	0	
110	N116	-3.92484	0	-1.087249	0	
111	N117	-1.883173	0	-4.623519	0	
112	N118	-0.79984	0	-6.499908	0	
113	N119	-5.758173	2.333333	2.088177	0	
114	N120	-3.92484	2.333333	-1.087249	0	
115	N121	-1.883173	2.333333	-4.623519	0	
116	N122	-0.79984	2.333333	-6.499908	0	
117	N123	-5.758173	4.416667	2.088177	0	
118	N124	-5.758173	-2.5625	2.088177	0	
119	N125	-3.92484	4.833333	-1.087249	0	
120	N126	-3.92484	-1.166667	-1.087249	0	
121	N127	-1.883173	3.5	-4.623519	0	
122	N128B	-1.883173	-2.5	-4.623519	0	
123	N129C	-0.79984	3.166667	-6.499908	0	
124	N130A	-0.79984	-2.833333	-6.499908	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Equipment Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Support Rail	PIPE 2.0	Beam	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Support Rail Stabilizer	L2.5x2.5x4	Beam	None	A36 Gr.36	Typical	1.19	.692	.692	.026
5	Standoff Horizontal Larg...	HSS4.5X4.5X3	Beam	None	A500 Gr. B 46	Typical	2.93	9.02	9.02	14.4
6	Standoff Horizontal Sma...	HSS4X4X3	Beam	None	A500 Gr. B 46	Typical	2.58	6.21	6.21	10
7	Face Horizontal	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Standoff Angle	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
9	Support Rail Corner Ang...	L2.5x2.5x4	Beam	None	A36 Gr.36	Typical	1.19	.692	.692	.026
10	Standoff Double Angle	LL3x3x4x0	Beam	None	A36 Gr.36	Typical	2.88	4.5	2.46	.063

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N3			Face Horizontal	Beam	None	A36 Gr.36	Typical
2	M10	N1	N14			RIGID	None	None	RIGID	Typical
3	M11	N11	N15			RIGID	None	None	RIGID	Typical
4	M12	N14	N15			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
5	M13	N15	N16			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
6	M26	N31	N32			Support Rail	Beam	None	A53 Gr. B	Typical
7	M61	N101	N103			RIGID	None	None	RIGID	Typical
8	M67	N103	N130		90	Support Rail C...	Beam	None	A36 Gr.36	Typical
9	M12A	N2	N20		270	Face Horizontal	Beam	None	A36 Gr.36	Typical
10	M13A	N21	N22			Support Rail	Beam	None	A53 Gr. B	Typical
11	M13B	N20	N20A		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
12	M14	N20	N3		270	Face Horizontal	Beam	None	A36 Gr.36	Typical
13	M20	N3	N29		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
14	M26A	N2	N39		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
15	M25	N33A	N34A			Support Rail	Beam	None	A53 Gr. B	Typical
16	M26B	N35A	N36			RIGID	None	None	RIGID	Typical
17	M23	N31A	N33			RIGID	None	None	RIGID	Typical
18	M24	N32A	N34			RIGID	None	None	RIGID	Typical
19	M25B	N33	N34			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
20	M26C	N34	N35			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
21	M27A	N37	N39B			RIGID	None	None	RIGID	Typical
22	M28A	N38A	N40A			RIGID	None	None	RIGID	Typical
23	M29A	N39B	N40A			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
24	M30A	N40A	N41A			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
25	M37	N54	N62			RIGID	None	None	RIGID	Typical
26	M38	N50	N58			RIGID	None	None	RIGID	Typical
27	M39	N51	N59			RIGID	None	None	RIGID	Typical
28	M40	N55	N63			RIGID	None	None	RIGID	Typical
29	M41	N56	N64			RIGID	None	None	RIGID	Typical
30	M42	N52A	N60			RIGID	None	None	RIGID	Typical
31	M43	N53A	N61			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
32	M44	N57	N65			RIGID	None	None	RIGID	Typical
33	MP1A	N66	N67			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
34	MP2A	N68	N69			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
35	MP3A	N70	N71			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
36	MP4A	N72	N73			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
37	M49	N29	N20A		270	Standoff Angle	Beam	None	A36 Gr.36	Typical
38	M50	N20A	N39		270	Standoff Angle	Beam	None	A36 Gr.36	Typical
39	M51	N39	N29		270	Standoff Angle	Beam	None	A36 Gr.36	Typical
40	M72A	N129	N120A		90	Support Rail S...	Beam	None	A36 Gr.36	Typical
41	M73A	N129	N121A		180	Support Rail S...	Beam	None	A36 Gr.36	Typical
42	M74	N127A	N124A		180	Support Rail S...	Beam	None	A36 Gr.36	Typical
43	M75	N127A	N125A		180	Support Rail S...	Beam	None	A36 Gr.36	Typical
44	M76	N128	N128A		90	Support Rail S...	Beam	None	A36 Gr.36	Typical
45	M77	N128	N129A		180	Support Rail S...	Beam	None	A36 Gr.36	Typical
46	M72B	N119A	N120B			RIGID	None	None	RIGID	Typical
47	M73B	N120B	N36		90	Support Rail C...	Beam	None	A36 Gr.36	Typical
48	M74A	N123A	N124B			RIGID	None	None	RIGID	Typical
49	M75A	N125B	N126A			RIGID	None	None	RIGID	Typical
50	M76A	N126A	N124B		90	Support Rail C...	Beam	None	A36 Gr.36	Typical
51	M77A	N129B	N130			RIGID	None	None	RIGID	Typical
52	M54	N86	N94			RIGID	None	None	RIGID	Typical
53	M55	N82	N90			RIGID	None	None	RIGID	Typical
54	M56	N83	N91			RIGID	None	None	RIGID	Typical
55	M57	N87	N95			RIGID	None	None	RIGID	Typical
56	M58	N88	N96			RIGID	None	None	RIGID	Typical
57	M59	N84	N92			RIGID	None	None	RIGID	Typical
58	M60	N85	N93			RIGID	None	None	RIGID	Typical
59	M61A	N89	N97			RIGID	None	None	RIGID	Typical
60	MP1C	N98	N99			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
61	MP2C	N100	N101A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
62	MP3C	N102	N103A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
63	MP4C	N104	N105			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
64	M66	N111	N119			RIGID	None	None	RIGID	Typical
65	M67A	N107	N115			RIGID	None	None	RIGID	Typical
66	M68	N108	N116			RIGID	None	None	RIGID	Typical
67	M69	N112A	N120			RIGID	None	None	RIGID	Typical
68	M70	N113	N121			RIGID	None	None	RIGID	Typical
69	M71	N109	N117			RIGID	None	None	RIGID	Typical
70	M72	N110	N118			RIGID	None	None	RIGID	Typical
71	M73	N114	N122			RIGID	None	None	RIGID	Typical
72	MP1B	N123	N124			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
73	MP2B	N125	N126			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
74	MP3B	N127	N128B			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
75	MP4B	N129C	N130A			Mount Pipe	Column	Pipe	A53 Gr. B	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	M1						Yes				None
2	M10						Yes	** NA **			None
3	M11						Yes	** NA **			None
4	M12						Yes				None
5	M13						Yes				None
6	M26						Yes	Default			None
7	M61	OOOOOX					Yes	** NA **			None
8	M67						Yes	Default			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...
9	M12A						Yes				None
10	M13A						Yes	Default			None
11	M13B						Yes				None
12	M14						Yes				None
13	M20						Yes				None
14	M26A						Yes				None
15	M25						Yes	Default			None
16	M26B	OOOOOX					Yes	** NA **			None
17	M23						Yes	** NA **			None
18	M24						Yes	** NA **			None
19	M25B						Yes				None
20	M26C						Yes				None
21	M27A						Yes	** NA **			None
22	M28A						Yes	** NA **			None
23	M29A						Yes				None
24	M30A						Yes				None
25	M37						Yes	** NA **			None
26	M38		OOOXOO				Yes	** NA **			None
27	M39		OOOXOO				Yes	** NA **			None
28	M40						Yes	** NA **			None
29	M41						Yes	** NA **			None
30	M42		OOOXOO				Yes	** NA **			None
31	M43		OOOXOO				Yes	** NA **			None
32	M44						Yes	** NA **			None
33	MP1A						Yes	** NA **			None
34	MP2A						Yes	** NA **			None
35	MP3A						Yes	** NA **			None
36	MP4A						Yes	** NA **			None
37	M49						Yes				None
38	M50						Yes				None
39	M51						Yes				None
40	M72A	BenPIN	BenPIN				Yes	Default			None
41	M73A	BenPIN	BenPIN				Yes	Default			None
42	M74	BenPIN	BenPIN				Yes	Default			None
43	M75	BenPIN	BenPIN				Yes	Default			None
44	M76	BenPIN	BenPIN				Yes	Default			None
45	M77	BenPIN	BenPIN				Yes	Default			None
46	M72B	OOOOOX					Yes	** NA **			None
47	M73B						Yes	Default			None
48	M74A	OOOOOX					Yes	** NA **			None
49	M75A	OOOOOX					Yes	** NA **			None
50	M76A						Yes	Default			None
51	M77A	OOOOOX					Yes	** NA **			None
52	M54						Yes	** NA **			None
53	M55		OOOXOO				Yes	** NA **			None
54	M56		OOOXOO				Yes	** NA **			None
55	M57						Yes	** NA **			None
56	M58						Yes	** NA **			None
57	M59		OOOXOO				Yes	** NA **			None
58	M60		OOOXOO				Yes	** NA **			None
59	M61A						Yes	** NA **			None
60	MP1C						Yes	** NA **			None
61	MP2C						Yes	** NA **			None
62	MP3C						Yes	** NA **			None
63	MP4C						Yes	** NA **			None
64	M66						Yes	** NA **			None
65	M67A		OOOXOO				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...
66	M68		OOOXOO				Yes	** NA **			None
67	M69						Yes	** NA **			None
68	M70						Yes	** NA **			None
69	M71		OOOXOO				Yes	** NA **			None
70	M72		OOOXOO				Yes	** NA **			None
71	M73						Yes	** NA **			None
72	MP1B						Yes	** NA **			None
73	MP2B						Yes	** NA **			None
74	MP3B						Yes	** NA **			None
75	MP4B						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-21.85	1
2	MP1A	My	-.011	1
3	MP1A	Mz	.015	1
4	MP1A	Y	-21.85	5
5	MP1A	My	-.011	5
6	MP1A	Mz	.015	5
7	MP1B	Y	-21.85	1
8	MP1B	My	-.007	1
9	MP1B	Mz	-.017	1
10	MP1B	Y	-21.85	5
11	MP1B	My	-.007	5
12	MP1B	Mz	-.017	5
13	MP1C	Y	-21.85	1
14	MP1C	My	.018	1
15	MP1C	Mz	.002	1
16	MP1C	Y	-21.85	5
17	MP1C	My	.018	5
18	MP1C	Mz	.002	5
19	MP1A	Y	-21.85	1
20	MP1A	My	-.011	1
21	MP1A	Mz	-.015	1
22	MP1A	Y	-21.85	5
23	MP1A	My	-.011	5
24	MP1A	Mz	-.015	5
25	MP1B	Y	-21.85	1
26	MP1B	My	.018	1
27	MP1B	Mz	-.002	1
28	MP1B	Y	-21.85	5
29	MP1B	My	.018	5
30	MP1B	Mz	-.002	5
31	MP1C	Y	-21.85	1
32	MP1C	My	-.007	1
33	MP1C	Mz	.017	1
34	MP1C	Y	-21.85	5
35	MP1C	My	-.007	5
36	MP1C	Mz	.017	5
37	MP4A	Y	-6	.25
38	MP4A	My	-.003	.25
39	MP4A	Mz	0	.25
40	MP4A	Y	-6	3.75
41	MP4A	My	-.003	3.75
42	MP4A	Mz	0	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	Y	-6	.25
44	MP4B	My	.002	.25
45	MP4B	Mz	-.003	.25
46	MP4B	Y	-6	3.75
47	MP4B	My	.002	3.75
48	MP4B	Mz	-.003	3.75
49	MP4C	Y	-6	.25
50	MP4C	My	.002	.25
51	MP4C	Mz	.003	.25
52	MP4C	Y	-6	3.75
53	MP4C	My	.002	3.75
54	MP4C	Mz	.003	3.75
55	MP4A	Y	-3.1	2
56	MP4A	My	.002	2
57	MP4A	Mz	0	2
58	MP4B	Y	-3.1	2
59	MP4B	My	-.000775	2
60	MP4B	Mz	.001	2
61	MP4C	Y	-3.1	2
62	MP4C	My	-.000775	2
63	MP4C	Mz	-.001	2
64	MP1A	Y	-84.4	3
65	MP1A	My	.042	3
66	MP1A	Mz	0	3
67	MP1B	Y	-84.4	3
68	MP1B	My	-.021	3
69	MP1B	Mz	.037	3
70	MP1C	Y	-84.4	3
71	MP1C	My	-.021	3
72	MP1C	Mz	-.037	3
73	MP2A	Y	-70.3	3
74	MP2A	My	.035	3
75	MP2A	Mz	0	3
76	MP2B	Y	-70.3	3
77	MP2B	My	-.018	3
78	MP2B	Mz	.03	3
79	MP2C	Y	-70.3	3
80	MP2C	My	-.018	3
81	MP2C	Mz	-.03	3
82	MP3C	Y	-26.9	1
83	MP3C	My	-.007	1
84	MP3C	Mz	-.012	1
85	MP4C	Y	-26.9	1
86	MP4C	My	-.007	1
87	MP4C	Mz	-.012	1
88	MP3A	Y	-4.4	5
89	MP3A	My	-.002	5
90	MP3A	Mz	0	5
91	MP3B	Y	-4.4	5
92	MP3B	My	.001	5
93	MP3B	Mz	-.002	5
94	MP3C	Y	-4.4	5
95	MP3C	My	.001	5
96	MP3C	Mz	.002	5
97	MP3A	Y	-43.55	.25
98	MP3A	My	-.022	.25
99	MP3A	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP3A	Y	-43.55	2.25
101	MP3A	My	-.022	2.25
102	MP3A	Mz	0	2.25
103	MP3B	Y	-43.55	.25
104	MP3B	My	.011	.25
105	MP3B	Mz	-.019	.25
106	MP3B	Y	-43.55	2.25
107	MP3B	My	.011	2.25
108	MP3B	Mz	-.019	2.25
109	MP3C	Y	-43.55	.25
110	MP3C	My	.011	.25
111	MP3C	Mz	.019	.25
112	MP3C	Y	-43.55	2.25
113	MP3C	My	.011	2.25
114	MP3C	Mz	.019	2.25
115	M26	Y	-10	.5
116	M26	My	0	.5
117	M26	Mz	0	.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-90.813	1
2	MP1A	My	-.045	1
3	MP1A	Mz	.061	1
4	MP1A	Y	-90.813	5
5	MP1A	My	-.045	5
6	MP1A	Mz	.061	5
7	MP1B	Y	-90.813	1
8	MP1B	My	-.03	1
9	MP1B	Mz	-.07	1
10	MP1B	Y	-90.813	5
11	MP1B	My	-.03	5
12	MP1B	Mz	-.07	5
13	MP1C	Y	-90.813	1
14	MP1C	My	.075	1
15	MP1C	Mz	.009	1
16	MP1C	Y	-90.813	5
17	MP1C	My	.075	5
18	MP1C	Mz	.009	5
19	MP1A	Y	-90.813	1
20	MP1A	My	-.045	1
21	MP1A	Mz	-.061	1
22	MP1A	Y	-90.813	5
23	MP1A	My	-.045	5
24	MP1A	Mz	-.061	5
25	MP1B	Y	-90.813	1
26	MP1B	My	.075	1
27	MP1B	Mz	-.009	1
28	MP1B	Y	-90.813	5
29	MP1B	My	.075	5
30	MP1B	Mz	-.009	5
31	MP1C	Y	-90.813	1
32	MP1C	My	-.03	1
33	MP1C	Mz	.07	1
34	MP1C	Y	-90.813	5
35	MP1C	My	-.03	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP1C	Mz	.07	5
37	MP4A	Y	-46.766	.25
38	MP4A	My	-.023	.25
39	MP4A	Mz	0	.25
40	MP4A	Y	-46.766	3.75
41	MP4A	My	-.023	3.75
42	MP4A	Mz	0	3.75
43	MP4B	Y	-46.766	.25
44	MP4B	My	.012	.25
45	MP4B	Mz	-.02	.25
46	MP4B	Y	-46.766	3.75
47	MP4B	My	.012	3.75
48	MP4B	Mz	-.02	3.75
49	MP4C	Y	-46.766	.25
50	MP4C	My	.012	.25
51	MP4C	Mz	.02	.25
52	MP4C	Y	-46.766	3.75
53	MP4C	My	.012	3.75
54	MP4C	Mz	.02	3.75
55	MP4A	Y	-10.474	2
56	MP4A	My	.005	2
57	MP4A	Mz	0	2
58	MP4B	Y	-10.474	2
59	MP4B	My	-.003	2
60	MP4B	Mz	.005	2
61	MP4C	Y	-10.474	2
62	MP4C	My	-.003	2
63	MP4C	Mz	-.005	2
64	MP1A	Y	-68.02	3
65	MP1A	My	.034	3
66	MP1A	Mz	0	3
67	MP1B	Y	-68.02	3
68	MP1B	My	-.017	3
69	MP1B	Mz	.029	3
70	MP1C	Y	-68.02	3
71	MP1C	My	-.017	3
72	MP1C	Mz	-.029	3
73	MP2A	Y	-61.381	3
74	MP2A	My	.031	3
75	MP2A	Mz	0	3
76	MP2B	Y	-61.381	3
77	MP2B	My	-.015	3
78	MP2B	Mz	.027	3
79	MP2C	Y	-61.381	3
80	MP2C	My	-.015	3
81	MP2C	Mz	-.027	3
82	MP3C	Y	-95.888	1
83	MP3C	My	-.024	1
84	MP3C	Mz	-.042	1
85	MP4C	Y	-95.888	1
86	MP4C	My	-.024	1
87	MP4C	Mz	-.042	1
88	MP3A	Y	-21.471	5
89	MP3A	My	-.011	5
90	MP3A	Mz	0	5
91	MP3B	Y	-21.471	5
92	MP3B	My	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
93	MP3B	Mz	-.009	5
94	MP3C	Y	-21.471	5
95	MP3C	My	.005	5
96	MP3C	Mz	.009	5
97	MP3A	Y	-53.575	.25
98	MP3A	My	-.027	.25
99	MP3A	Mz	0	.25
100	MP3A	Y	-53.575	2.25
101	MP3A	My	-.027	2.25
102	MP3A	Mz	0	2.25
103	MP3B	Y	-53.575	.25
104	MP3B	My	.013	.25
105	MP3B	Mz	-.023	.25
106	MP3B	Y	-53.575	2.25
107	MP3B	My	.013	2.25
108	MP3B	Mz	-.023	2.25
109	MP3C	Y	-53.575	.25
110	MP3C	My	.013	.25
111	MP3C	Mz	.023	.25
112	MP3C	Y	-53.575	2.25
113	MP3C	My	.013	2.25
114	MP3C	Mz	.023	2.25
115	M26	Y	-19.781	.5
116	M26	My	0	.5
117	M26	Mz	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	1
2	MP1A	Z	-151.511	1
3	MP1A	Mx	-.101	1
4	MP1A	X	0	5
5	MP1A	Z	-151.511	5
6	MP1A	Mx	-.101	5
7	MP1B	X	0	1
8	MP1B	Z	-113.001	1
9	MP1B	Mx	.087	1
10	MP1B	X	0	5
11	MP1B	Z	-113.001	5
12	MP1B	Mx	.087	5
13	MP1C	X	0	1
14	MP1C	Z	-113.001	1
15	MP1C	Mx	-.011	1
16	MP1C	X	0	5
17	MP1C	Z	-113.001	5
18	MP1C	Mx	-.011	5
19	MP1A	X	0	1
20	MP1A	Z	-151.511	1
21	MP1A	Mx	.101	1
22	MP1A	X	0	5
23	MP1A	Z	-151.511	5
24	MP1A	Mx	.101	5
25	MP1B	X	0	1
26	MP1B	Z	-113.001	1
27	MP1B	Mx	.011	1
28	MP1B	X	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP1B	Z	-113.001	5
30	MP1B	Mx	.011	5
31	MP1C	X	0	1
32	MP1C	Z	-113.001	1
33	MP1C	Mx	-.087	1
34	MP1C	X	0	5
35	MP1C	Z	-113.001	5
36	MP1C	Mx	-.087	5
37	MP4A	X	0	.25
38	MP4A	Z	-66.755	.25
39	MP4A	Mx	0	.25
40	MP4A	X	0	3.75
41	MP4A	Z	-66.755	3.75
42	MP4A	Mx	0	3.75
43	MP4B	X	0	.25
44	MP4B	Z	-55.966	.25
45	MP4B	Mx	.024	.25
46	MP4B	X	0	3.75
47	MP4B	Z	-55.966	3.75
48	MP4B	Mx	.024	3.75
49	MP4C	X	0	.25
50	MP4C	Z	-55.966	.25
51	MP4C	Mx	-.024	.25
52	MP4C	X	0	3.75
53	MP4C	Z	-55.966	3.75
54	MP4C	Mx	-.024	3.75
55	MP4A	X	0	2
56	MP4A	Z	-13.501	2
57	MP4A	Mx	0	2
58	MP4B	X	0	2
59	MP4B	Z	-5.518	2
60	MP4B	Mx	-.002	2
61	MP4C	X	0	2
62	MP4C	Z	-5.518	2
63	MP4C	Mx	.002	2
64	MP1A	X	0	3
65	MP1A	Z	-70.13	3
66	MP1A	Mx	0	3
67	MP1B	X	0	3
68	MP1B	Z	-52.691	3
69	MP1B	Mx	-.023	3
70	MP1C	X	0	3
71	MP1C	Z	-52.691	3
72	MP1C	Mx	.023	3
73	MP2A	X	0	3
74	MP2A	Z	-70.13	3
75	MP2A	Mx	0	3
76	MP2B	X	0	3
77	MP2B	Z	-46.011	3
78	MP2B	Mx	-.02	3
79	MP2C	X	0	3
80	MP2C	Z	-46.011	3
81	MP2C	Mx	.02	3
82	MP3C	X	0	1
83	MP3C	Z	-79.848	1
84	MP3C	Mx	.035	1
85	MP4C	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	-79.848	1
87	MP4C	Mx	.035	1
88	MP3A	X	0	5
89	MP3A	Z	-33.378	5
90	MP3A	Mx	0	5
91	MP3B	X	0	5
92	MP3B	Z	-13.254	5
93	MP3B	Mx	.006	5
94	MP3C	X	0	5
95	MP3C	Z	-13.254	5
96	MP3C	Mx	-.006	5
97	MP3A	X	0	.25
98	MP3A	Z	-88.132	.25
99	MP3A	Mx	0	.25
100	MP3A	X	0	2.25
101	MP3A	Z	-88.132	2.25
102	MP3A	Mx	0	2.25
103	MP3B	X	0	.25
104	MP3B	Z	-47.91	.25
105	MP3B	Mx	.021	.25
106	MP3B	X	0	2.25
107	MP3B	Z	-47.91	2.25
108	MP3B	Mx	.021	2.25
109	MP3C	X	0	.25
110	MP3C	Z	-47.91	.25
111	MP3C	Mx	-.021	.25
112	MP3C	X	0	2.25
113	MP3C	Z	-47.91	2.25
114	MP3C	Mx	-.021	2.25
115	M26	X	0	.5
116	M26	Z	-33.753	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	69.337	1
2	MP1A	Z	-120.096	1
3	MP1A	Mx	-.115	1
4	MP1A	X	69.337	5
5	MP1A	Z	-120.096	5
6	MP1A	Mx	-.115	5
7	MP1B	X	50.082	1
8	MP1B	Z	-86.744	1
9	MP1B	Mx	.05	1
10	MP1B	X	50.082	5
11	MP1B	Z	-86.744	5
12	MP1B	Mx	.05	5
13	MP1C	X	69.337	1
14	MP1C	Z	-120.096	1
15	MP1C	Mx	.045	1
16	MP1C	X	69.337	5
17	MP1C	Z	-120.096	5
18	MP1C	Mx	.045	5
19	MP1A	X	69.337	1
20	MP1A	Z	-120.096	1
21	MP1A	Mx	.045	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP1A	X	69.337	5
23	MP1A	Z	-120.096	5
24	MP1A	Mx	.045	5
25	MP1B	X	50.082	1
26	MP1B	Z	-86.744	1
27	MP1B	Mx	.05	1
28	MP1B	X	50.082	5
29	MP1B	Z	-86.744	5
30	MP1B	Mx	.05	5
31	MP1C	X	69.337	1
32	MP1C	Z	-120.096	1
33	MP1C	Mx	-.115	1
34	MP1C	X	69.337	5
35	MP1C	Z	-120.096	5
36	MP1C	Mx	-.115	5
37	MP4A	X	31.579	.25
38	MP4A	Z	-54.697	.25
39	MP4A	Mx	-.016	.25
40	MP4A	X	31.579	3.75
41	MP4A	Z	-54.697	3.75
42	MP4A	Mx	-.016	3.75
43	MP4B	X	26.185	.25
44	MP4B	Z	-45.353	.25
45	MP4B	Mx	.026	.25
46	MP4B	X	26.185	3.75
47	MP4B	Z	-45.353	3.75
48	MP4B	Mx	.026	3.75
49	MP4C	X	31.579	.25
50	MP4C	Z	-54.697	.25
51	MP4C	Mx	-.016	.25
52	MP4C	X	31.579	3.75
53	MP4C	Z	-54.697	3.75
54	MP4C	Mx	-.016	3.75
55	MP4A	X	5.42	2
56	MP4A	Z	-9.388	2
57	MP4A	Mx	.003	2
58	MP4B	X	1.428	2
59	MP4B	Z	-2.474	2
60	MP4B	Mx	-.001	2
61	MP4C	X	5.42	2
62	MP4C	Z	-9.388	2
63	MP4C	Mx	.003	2
64	MP1A	X	32.159	3
65	MP1A	Z	-55.7	3
66	MP1A	Mx	.016	3
67	MP1B	X	23.439	3
68	MP1B	Z	-40.598	3
69	MP1B	Mx	-.023	3
70	MP1C	X	32.159	3
71	MP1C	Z	-55.7	3
72	MP1C	Mx	.016	3
73	MP2A	X	31.045	3
74	MP2A	Z	-53.772	3
75	MP2A	Mx	.016	3
76	MP2B	X	18.986	3
77	MP2B	Z	-32.884	3
78	MP2B	Mx	-.019	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
79	MP2C	X	31.045	3
80	MP2C	Z	-53.772	3
81	MP2C	Mx	.016	3
82	MP3C	X	44.56	1
83	MP3C	Z	-77.181	1
84	MP3C	Mx	.022	1
85	MP4C	X	44.56	1
86	MP4C	Z	-77.181	1
87	MP4C	Mx	.022	1
88	MP3A	X	13.335	5
89	MP3A	Z	-23.096	5
90	MP3A	Mx	-.007	5
91	MP3B	X	3.273	5
92	MP3B	Z	-5.669	5
93	MP3B	Mx	.003	5
94	MP3C	X	13.335	5
95	MP3C	Z	-23.096	5
96	MP3C	Mx	-.007	5
97	MP3A	X	37.362	.25
98	MP3A	Z	-64.713	.25
99	MP3A	Mx	-.019	.25
100	MP3A	X	37.362	2.25
101	MP3A	Z	-64.713	2.25
102	MP3A	Mx	-.019	2.25
103	MP3B	X	17.252	.25
104	MP3B	Z	-29.881	.25
105	MP3B	Mx	.017	.25
106	MP3B	X	17.252	2.25
107	MP3B	Z	-29.881	2.25
108	MP3B	Mx	.017	2.25
109	MP3C	X	37.362	.25
110	MP3C	Z	-64.713	.25
111	MP3C	Mx	-.019	.25
112	MP3C	X	37.362	2.25
113	MP3C	Z	-64.713	2.25
114	MP3C	Mx	-.019	2.25
115	M26	X	13.126	.5
116	M26	Z	-22.735	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	97.862	1
2	MP1A	Z	-56.5	1
3	MP1A	Mx	-.087	1
4	MP1A	X	97.862	5
5	MP1A	Z	-56.5	5
6	MP1A	Mx	-.087	5
7	MP1B	X	97.862	1
8	MP1B	Z	-56.5	1
9	MP1B	Mx	.011	1
10	MP1B	X	97.862	5
11	MP1B	Z	-56.5	5
12	MP1B	Mx	.011	5
13	MP1C	X	131.213	1
14	MP1C	Z	-75.756	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
15	MP1C	Mx	.101	1
16	MP1C	X	131.213	5
17	MP1C	Z	-75.756	5
18	MP1C	Mx	.101	5
19	MP1A	X	97.862	1
20	MP1A	Z	-56.5	1
21	MP1A	Mx	-.011	1
22	MP1A	X	97.862	5
23	MP1A	Z	-56.5	5
24	MP1A	Mx	-.011	5
25	MP1B	X	97.862	1
26	MP1B	Z	-56.5	1
27	MP1B	Mx	.087	1
28	MP1B	X	97.862	5
29	MP1B	Z	-56.5	5
30	MP1B	Mx	.087	5
31	MP1C	X	131.213	1
32	MP1C	Z	-75.756	1
33	MP1C	Mx	-.101	1
34	MP1C	X	131.213	5
35	MP1C	Z	-75.756	5
36	MP1C	Mx	-.101	5
37	MP4A	X	48.468	.25
38	MP4A	Z	-27.983	.25
39	MP4A	Mx	-.024	.25
40	MP4A	X	48.468	3.75
41	MP4A	Z	-27.983	3.75
42	MP4A	Mx	-.024	3.75
43	MP4B	X	48.468	.25
44	MP4B	Z	-27.983	.25
45	MP4B	Mx	.024	.25
46	MP4B	X	48.468	3.75
47	MP4B	Z	-27.983	3.75
48	MP4B	Mx	.024	3.75
49	MP4C	X	57.812	.25
50	MP4C	Z	-33.378	.25
51	MP4C	Mx	0	.25
52	MP4C	X	57.812	3.75
53	MP4C	Z	-33.378	3.75
54	MP4C	Mx	0	3.75
55	MP4A	X	4.778	2
56	MP4A	Z	-2.759	2
57	MP4A	Mx	.002	2
58	MP4B	X	4.778	2
59	MP4B	Z	-2.759	2
60	MP4B	Mx	-.002	2
61	MP4C	X	11.692	2
62	MP4C	Z	-6.751	2
63	MP4C	Mx	0	2
64	MP1A	X	45.632	3
65	MP1A	Z	-26.346	3
66	MP1A	Mx	.023	3
67	MP1B	X	45.632	3
68	MP1B	Z	-26.346	3
69	MP1B	Mx	-.023	3
70	MP1C	X	60.735	3
71	MP1C	Z	-35.065	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mx	0	3
73	MP2A	X	39.847	3
74	MP2A	Z	-23.006	3
75	MP2A	Mx	.02	3
76	MP2B	X	39.847	3
77	MP2B	Z	-23.006	3
78	MP2B	Mx	-.02	3
79	MP2C	X	60.735	3
80	MP2C	Z	-35.065	3
81	MP2C	Mx	0	3
82	MP3C	X	81.196	1
83	MP3C	Z	-46.879	1
84	MP3C	Mx	0	1
85	MP4C	X	81.196	1
86	MP4C	Z	-46.879	1
87	MP4C	Mx	0	1
88	MP3A	X	11.478	5
89	MP3A	Z	-6.627	5
90	MP3A	Mx	-.006	5
91	MP3B	X	11.478	5
92	MP3B	Z	-6.627	5
93	MP3B	Mx	.006	5
94	MP3C	X	28.906	5
95	MP3C	Z	-16.689	5
96	MP3C	Mx	0	5
97	MP3A	X	41.492	.25
98	MP3A	Z	-23.955	.25
99	MP3A	Mx	-.021	.25
100	MP3A	X	41.492	2.25
101	MP3A	Z	-23.955	2.25
102	MP3A	Mx	-.021	2.25
103	MP3B	X	41.492	.25
104	MP3B	Z	-23.955	.25
105	MP3B	Mx	.021	.25
106	MP3B	X	41.492	2.25
107	MP3B	Z	-23.955	2.25
108	MP3B	Mx	.021	2.25
109	MP3C	X	76.324	.25
110	MP3C	Z	-44.066	.25
111	MP3C	Mx	0	.25
112	MP3C	X	76.324	2.25
113	MP3C	Z	-44.066	2.25
114	MP3C	Mx	0	2.25
115	M26	X	19.487	.5
116	M26	Z	-11.251	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	100.164	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.05	1
4	MP1A	X	100.164	5
5	MP1A	Z	0	5
6	MP1A	Mx	-.05	5
7	MP1B	X	138.675	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	0	1
9	MP1B	Mx	-.045	1
10	MP1B	X	138.675	5
11	MP1B	Z	0	5
12	MP1B	Mx	-.045	5
13	MP1C	X	138.675	1
14	MP1C	Z	0	1
15	MP1C	Mx	.115	1
16	MP1C	X	138.675	5
17	MP1C	Z	0	5
18	MP1C	Mx	.115	5
19	MP1A	X	100.164	1
20	MP1A	Z	0	1
21	MP1A	Mx	-.05	1
22	MP1A	X	100.164	5
23	MP1A	Z	0	5
24	MP1A	Mx	-.05	5
25	MP1B	X	138.675	1
26	MP1B	Z	0	1
27	MP1B	Mx	.115	1
28	MP1B	X	138.675	5
29	MP1B	Z	0	5
30	MP1B	Mx	.115	5
31	MP1C	X	138.675	1
32	MP1C	Z	0	1
33	MP1C	Mx	-.045	1
34	MP1C	X	138.675	5
35	MP1C	Z	0	5
36	MP1C	Mx	-.045	5
37	MP4A	X	52.369	.25
38	MP4A	Z	0	.25
39	MP4A	Mx	-.026	.25
40	MP4A	X	52.369	3.75
41	MP4A	Z	0	3.75
42	MP4A	Mx	-.026	3.75
43	MP4B	X	63.159	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	.016	.25
46	MP4B	X	63.159	3.75
47	MP4B	Z	0	3.75
48	MP4B	Mx	.016	3.75
49	MP4C	X	63.159	.25
50	MP4C	Z	0	.25
51	MP4C	Mx	.016	.25
52	MP4C	X	63.159	3.75
53	MP4C	Z	0	3.75
54	MP4C	Mx	.016	3.75
55	MP4A	X	2.857	2
56	MP4A	Z	0	2
57	MP4A	Mx	.001	2
58	MP4B	X	10.84	2
59	MP4B	Z	0	2
60	MP4B	Mx	-.003	2
61	MP4C	X	10.84	2
62	MP4C	Z	0	2
63	MP4C	Mx	-.003	2
64	MP1A	X	46.879	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
65	MP1A	Z	0	3
66	MP1A	Mx	.023	3
67	MP1B	X	64.317	3
68	MP1B	Z	0	3
69	MP1B	Mx	-.016	3
70	MP1C	X	64.317	3
71	MP1C	Z	0	3
72	MP1C	Mx	-.016	3
73	MP2A	X	37.972	3
74	MP2A	Z	0	3
75	MP2A	Mx	.019	3
76	MP2B	X	62.091	3
77	MP2B	Z	0	3
78	MP2B	Mx	-.016	3
79	MP2C	X	62.091	3
80	MP2C	Z	0	3
81	MP2C	Mx	-.016	3
82	MP3C	X	89.121	1
83	MP3C	Z	0	1
84	MP3C	Mx	-.022	1
85	MP4C	X	89.121	1
86	MP4C	Z	0	1
87	MP4C	Mx	-.022	1
88	MP3A	X	6.546	5
89	MP3A	Z	0	5
90	MP3A	Mx	-.003	5
91	MP3B	X	26.67	5
92	MP3B	Z	0	5
93	MP3B	Mx	.007	5
94	MP3C	X	26.67	5
95	MP3C	Z	0	5
96	MP3C	Mx	.007	5
97	MP3A	X	34.503	.25
98	MP3A	Z	0	.25
99	MP3A	Mx	-.017	.25
100	MP3A	X	34.503	2.25
101	MP3A	Z	0	2.25
102	MP3A	Mx	-.017	2.25
103	MP3B	X	74.725	.25
104	MP3B	Z	0	.25
105	MP3B	Mx	.019	.25
106	MP3B	X	74.725	2.25
107	MP3B	Z	0	2.25
108	MP3B	Mx	.019	2.25
109	MP3C	X	74.725	.25
110	MP3C	Z	0	.25
111	MP3C	Mx	.019	.25
112	MP3C	X	74.725	2.25
113	MP3C	Z	0	2.25
114	MP3C	Mx	.019	2.25
115	M26	X	26.252	.5
116	M26	Z	0	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
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Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	97.862	1
2	MP1A	Z	56.5	1
3	MP1A	Mx	-.011	1
4	MP1A	X	97.862	5
5	MP1A	Z	56.5	5
6	MP1A	Mx	-.011	5
7	MP1B	X	131.213	1
8	MP1B	Z	75.756	1
9	MP1B	Mx	-.101	1
10	MP1B	X	131.213	5
11	MP1B	Z	75.756	5
12	MP1B	Mx	-.101	5
13	MP1C	X	97.862	1
14	MP1C	Z	56.5	1
15	MP1C	Mx	.087	1
16	MP1C	X	97.862	5
17	MP1C	Z	56.5	5
18	MP1C	Mx	.087	5
19	MP1A	X	97.862	1
20	MP1A	Z	56.5	1
21	MP1A	Mx	-.087	1
22	MP1A	X	97.862	5
23	MP1A	Z	56.5	5
24	MP1A	Mx	-.087	5
25	MP1B	X	131.213	1
26	MP1B	Z	75.756	1
27	MP1B	Mx	.101	1
28	MP1B	X	131.213	5
29	MP1B	Z	75.756	5
30	MP1B	Mx	.101	5
31	MP1C	X	97.862	1
32	MP1C	Z	56.5	1
33	MP1C	Mx	.011	1
34	MP1C	X	97.862	5
35	MP1C	Z	56.5	5
36	MP1C	Mx	.011	5
37	MP4A	X	48.468	.25
38	MP4A	Z	27.983	.25
39	MP4A	Mx	-.024	.25
40	MP4A	X	48.468	3.75
41	MP4A	Z	27.983	3.75
42	MP4A	Mx	-.024	3.75
43	MP4B	X	57.812	.25
44	MP4B	Z	33.378	.25
45	MP4B	Mx	0	.25
46	MP4B	X	57.812	3.75
47	MP4B	Z	33.378	3.75
48	MP4B	Mx	0	3.75
49	MP4C	X	48.468	.25
50	MP4C	Z	27.983	.25
51	MP4C	Mx	.024	.25
52	MP4C	X	48.468	3.75
53	MP4C	Z	27.983	3.75
54	MP4C	Mx	.024	3.75
55	MP4A	X	4.778	2
56	MP4A	Z	2.759	2
57	MP4A	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4B	X	11.692	2
59	MP4B	Z	6.751	2
60	MP4B	Mx	0	2
61	MP4C	X	4.778	2
62	MP4C	Z	2.759	2
63	MP4C	Mx	-.002	2
64	MP1A	X	45.632	3
65	MP1A	Z	26.346	3
66	MP1A	Mx	.023	3
67	MP1B	X	60.735	3
68	MP1B	Z	35.065	3
69	MP1B	Mx	0	3
70	MP1C	X	45.632	3
71	MP1C	Z	26.346	3
72	MP1C	Mx	-.023	3
73	MP2A	X	39.847	3
74	MP2A	Z	23.006	3
75	MP2A	Mx	.02	3
76	MP2B	X	60.735	3
77	MP2B	Z	35.065	3
78	MP2B	Mx	0	3
79	MP2C	X	39.847	3
80	MP2C	Z	23.006	3
81	MP2C	Mx	-.02	3
82	MP3C	X	69.151	1
83	MP3C	Z	39.924	1
84	MP3C	Mx	-.035	1
85	MP4C	X	69.151	1
86	MP4C	Z	39.924	1
87	MP4C	Mx	-.035	1
88	MP3A	X	11.478	5
89	MP3A	Z	6.627	5
90	MP3A	Mx	-.006	5
91	MP3B	X	28.906	5
92	MP3B	Z	16.689	5
93	MP3B	Mx	0	5
94	MP3C	X	11.478	5
95	MP3C	Z	6.627	5
96	MP3C	Mx	.006	5
97	MP3A	X	41.492	.25
98	MP3A	Z	23.955	.25
99	MP3A	Mx	-.021	.25
100	MP3A	X	41.492	2.25
101	MP3A	Z	23.955	2.25
102	MP3A	Mx	-.021	2.25
103	MP3B	X	76.324	.25
104	MP3B	Z	44.066	.25
105	MP3B	Mx	0	.25
106	MP3B	X	76.324	2.25
107	MP3B	Z	44.066	2.25
108	MP3B	Mx	0	2.25
109	MP3C	X	41.492	.25
110	MP3C	Z	23.955	.25
111	MP3C	Mx	.021	.25
112	MP3C	X	41.492	2.25
113	MP3C	Z	23.955	2.25
114	MP3C	Mx	.021	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	M26	X	29.231	.5
116	M26	Z	16.876	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	69.337	1
2	MP1A	Z	120.096	1
3	MP1A	Mx	.045	1
4	MP1A	X	69.337	5
5	MP1A	Z	120.096	5
6	MP1A	Mx	.045	5
7	MP1B	X	69.337	1
8	MP1B	Z	120.096	1
9	MP1B	Mx	-.115	1
10	MP1B	X	69.337	5
11	MP1B	Z	120.096	5
12	MP1B	Mx	-.115	5
13	MP1C	X	50.082	1
14	MP1C	Z	86.744	1
15	MP1C	Mx	.05	1
16	MP1C	X	50.082	5
17	MP1C	Z	86.744	5
18	MP1C	Mx	.05	5
19	MP1A	X	69.337	1
20	MP1A	Z	120.096	1
21	MP1A	Mx	-.115	1
22	MP1A	X	69.337	5
23	MP1A	Z	120.096	5
24	MP1A	Mx	-.115	5
25	MP1B	X	69.337	1
26	MP1B	Z	120.096	1
27	MP1B	Mx	.045	1
28	MP1B	X	69.337	5
29	MP1B	Z	120.096	5
30	MP1B	Mx	.045	5
31	MP1C	X	50.082	1
32	MP1C	Z	86.744	1
33	MP1C	Mx	.05	1
34	MP1C	X	50.082	5
35	MP1C	Z	86.744	5
36	MP1C	Mx	.05	5
37	MP4A	X	31.579	.25
38	MP4A	Z	54.697	.25
39	MP4A	Mx	-.016	.25
40	MP4A	X	31.579	3.75
41	MP4A	Z	54.697	3.75
42	MP4A	Mx	-.016	3.75
43	MP4B	X	31.579	.25
44	MP4B	Z	54.697	.25
45	MP4B	Mx	-.016	.25
46	MP4B	X	31.579	3.75
47	MP4B	Z	54.697	3.75
48	MP4B	Mx	-.016	3.75
49	MP4C	X	26.185	.25
50	MP4C	Z	45.353	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
51	MP4C	Mx	.026	.25
52	MP4C	X	26.185	3.75
53	MP4C	Z	45.353	3.75
54	MP4C	Mx	.026	3.75
55	MP4A	X	5.42	2
56	MP4A	Z	9.388	2
57	MP4A	Mx	.003	2
58	MP4B	X	5.42	2
59	MP4B	Z	9.388	2
60	MP4B	Mx	.003	2
61	MP4C	X	1.428	2
62	MP4C	Z	2.474	2
63	MP4C	Mx	-.001	2
64	MP1A	X	32.159	3
65	MP1A	Z	55.7	3
66	MP1A	Mx	.016	3
67	MP1B	X	32.159	3
68	MP1B	Z	55.7	3
69	MP1B	Mx	.016	3
70	MP1C	X	23.439	3
71	MP1C	Z	40.598	3
72	MP1C	Mx	-.023	3
73	MP2A	X	31.045	3
74	MP2A	Z	53.772	3
75	MP2A	Mx	.016	3
76	MP2B	X	31.045	3
77	MP2B	Z	53.772	3
78	MP2B	Mx	.016	3
79	MP2C	X	18.986	3
80	MP2C	Z	32.884	3
81	MP2C	Mx	-.019	3
82	MP3C	X	37.606	1
83	MP3C	Z	65.135	1
84	MP3C	Mx	-.038	1
85	MP4C	X	37.606	1
86	MP4C	Z	65.135	1
87	MP4C	Mx	-.038	1
88	MP3A	X	13.335	5
89	MP3A	Z	23.096	5
90	MP3A	Mx	-.007	5
91	MP3B	X	13.335	5
92	MP3B	Z	23.096	5
93	MP3B	Mx	-.007	5
94	MP3C	X	3.273	5
95	MP3C	Z	5.669	5
96	MP3C	Mx	.003	5
97	MP3A	X	37.362	.25
98	MP3A	Z	64.713	.25
99	MP3A	Mx	-.019	.25
100	MP3A	X	37.362	2.25
101	MP3A	Z	64.713	2.25
102	MP3A	Mx	-.019	2.25
103	MP3B	X	37.362	.25
104	MP3B	Z	64.713	.25
105	MP3B	Mx	-.019	.25
106	MP3B	X	37.362	2.25
107	MP3B	Z	64.713	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP3B	Mx	-.019	2.25
109	MP3C	X	17.252	.25
110	MP3C	Z	29.881	.25
111	MP3C	Mx	.017	.25
112	MP3C	X	17.252	2.25
113	MP3C	Z	29.881	2.25
114	MP3C	Mx	.017	2.25
115	M26	X	18.751	.5
116	M26	Z	32.478	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	151.511	1
3	MP1A	Mx	.101	1
4	MP1A	X	0	5
5	MP1A	Z	151.511	5
6	MP1A	Mx	.101	5
7	MP1B	X	0	1
8	MP1B	Z	113.001	1
9	MP1B	Mx	-.087	1
10	MP1B	X	0	5
11	MP1B	Z	113.001	5
12	MP1B	Mx	-.087	5
13	MP1C	X	0	1
14	MP1C	Z	113.001	1
15	MP1C	Mx	.011	1
16	MP1C	X	0	5
17	MP1C	Z	113.001	5
18	MP1C	Mx	.011	5
19	MP1A	X	0	1
20	MP1A	Z	151.511	1
21	MP1A	Mx	-.101	1
22	MP1A	X	0	5
23	MP1A	Z	151.511	5
24	MP1A	Mx	-.101	5
25	MP1B	X	0	1
26	MP1B	Z	113.001	1
27	MP1B	Mx	-.011	1
28	MP1B	X	0	5
29	MP1B	Z	113.001	5
30	MP1B	Mx	-.011	5
31	MP1C	X	0	1
32	MP1C	Z	113.001	1
33	MP1C	Mx	.087	1
34	MP1C	X	0	5
35	MP1C	Z	113.001	5
36	MP1C	Mx	.087	5
37	MP4A	X	0	.25
38	MP4A	Z	66.755	.25
39	MP4A	Mx	0	.25
40	MP4A	X	0	3.75
41	MP4A	Z	66.755	3.75
42	MP4A	Mx	0	3.75
43	MP4B	X	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
44	MP4B	Z	55.966	.25
45	MP4B	Mx	-.024	.25
46	MP4B	X	0	3.75
47	MP4B	Z	55.966	3.75
48	MP4B	Mx	-.024	3.75
49	MP4C	X	0	.25
50	MP4C	Z	55.966	.25
51	MP4C	Mx	.024	.25
52	MP4C	X	0	3.75
53	MP4C	Z	55.966	3.75
54	MP4C	Mx	.024	3.75
55	MP4A	X	0	2
56	MP4A	Z	13.501	2
57	MP4A	Mx	0	2
58	MP4B	X	0	2
59	MP4B	Z	5.518	2
60	MP4B	Mx	.002	2
61	MP4C	X	0	2
62	MP4C	Z	5.518	2
63	MP4C	Mx	-.002	2
64	MP1A	X	0	3
65	MP1A	Z	70.13	3
66	MP1A	Mx	0	3
67	MP1B	X	0	3
68	MP1B	Z	52.691	3
69	MP1B	Mx	.023	3
70	MP1C	X	0	3
71	MP1C	Z	52.691	3
72	MP1C	Mx	-.023	3
73	MP2A	X	0	3
74	MP2A	Z	70.13	3
75	MP2A	Mx	0	3
76	MP2B	X	0	3
77	MP2B	Z	46.011	3
78	MP2B	Mx	.02	3
79	MP2C	X	0	3
80	MP2C	Z	46.011	3
81	MP2C	Mx	-.02	3
82	MP3C	X	0	1
83	MP3C	Z	79.848	1
84	MP3C	Mx	-.035	1
85	MP4C	X	0	1
86	MP4C	Z	79.848	1
87	MP4C	Mx	-.035	1
88	MP3A	X	0	5
89	MP3A	Z	33.378	5
90	MP3A	Mx	0	5
91	MP3B	X	0	5
92	MP3B	Z	13.254	5
93	MP3B	Mx	-.006	5
94	MP3C	X	0	5
95	MP3C	Z	13.254	5
96	MP3C	Mx	.006	5
97	MP3A	X	0	.25
98	MP3A	Z	88.132	.25
99	MP3A	Mx	0	.25
100	MP3A	X	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
101	MP3A	Z	88.132	2.25
102	MP3A	Mx	0	2.25
103	MP3B	X	0	.25
104	MP3B	Z	47.91	.25
105	MP3B	Mx	-.021	.25
106	MP3B	X	0	2.25
107	MP3B	Z	47.91	2.25
108	MP3B	Mx	-.021	2.25
109	MP3C	X	0	.25
110	MP3C	Z	47.91	.25
111	MP3C	Mx	.021	.25
112	MP3C	X	0	2.25
113	MP3C	Z	47.91	2.25
114	MP3C	Mx	.021	2.25
115	M26	X	0	.5
116	M26	Z	33.753	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-69.337	1
2	MP1A	Z	120.096	1
3	MP1A	Mx	.115	1
4	MP1A	X	-69.337	5
5	MP1A	Z	120.096	5
6	MP1A	Mx	.115	5
7	MP1B	X	-50.082	1
8	MP1B	Z	86.744	1
9	MP1B	Mx	-.05	1
10	MP1B	X	-50.082	5
11	MP1B	Z	86.744	5
12	MP1B	Mx	-.05	5
13	MP1C	X	-69.337	1
14	MP1C	Z	120.096	1
15	MP1C	Mx	-.045	1
16	MP1C	X	-69.337	5
17	MP1C	Z	120.096	5
18	MP1C	Mx	-.045	5
19	MP1A	X	-69.337	1
20	MP1A	Z	120.096	1
21	MP1A	Mx	-.045	1
22	MP1A	X	-69.337	5
23	MP1A	Z	120.096	5
24	MP1A	Mx	-.045	5
25	MP1B	X	-50.082	1
26	MP1B	Z	86.744	1
27	MP1B	Mx	-.05	1
28	MP1B	X	-50.082	5
29	MP1B	Z	86.744	5
30	MP1B	Mx	-.05	5
31	MP1C	X	-69.337	1
32	MP1C	Z	120.096	1
33	MP1C	Mx	.115	1
34	MP1C	X	-69.337	5
35	MP1C	Z	120.096	5
36	MP1C	Mx	.115	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
37	MP4A	X	-31.579	.25
38	MP4A	Z	54.697	.25
39	MP4A	Mx	.016	.25
40	MP4A	X	-31.579	3.75
41	MP4A	Z	54.697	3.75
42	MP4A	Mx	.016	3.75
43	MP4B	X	-26.185	.25
44	MP4B	Z	45.353	.25
45	MP4B	Mx	-.026	.25
46	MP4B	X	-26.185	3.75
47	MP4B	Z	45.353	3.75
48	MP4B	Mx	-.026	3.75
49	MP4C	X	-31.579	.25
50	MP4C	Z	54.697	.25
51	MP4C	Mx	.016	.25
52	MP4C	X	-31.579	3.75
53	MP4C	Z	54.697	3.75
54	MP4C	Mx	.016	3.75
55	MP4A	X	-5.42	2
56	MP4A	Z	9.388	2
57	MP4A	Mx	-.003	2
58	MP4B	X	-1.428	2
59	MP4B	Z	2.474	2
60	MP4B	Mx	.001	2
61	MP4C	X	-5.42	2
62	MP4C	Z	9.388	2
63	MP4C	Mx	-.003	2
64	MP1A	X	-32.159	3
65	MP1A	Z	55.7	3
66	MP1A	Mx	-.016	3
67	MP1B	X	-23.439	3
68	MP1B	Z	40.598	3
69	MP1B	Mx	.023	3
70	MP1C	X	-32.159	3
71	MP1C	Z	55.7	3
72	MP1C	Mx	-.016	3
73	MP2A	X	-31.045	3
74	MP2A	Z	53.772	3
75	MP2A	Mx	-.016	3
76	MP2B	X	-18.986	3
77	MP2B	Z	32.884	3
78	MP2B	Mx	.019	3
79	MP2C	X	-31.045	3
80	MP2C	Z	53.772	3
81	MP2C	Mx	-.016	3
82	MP3C	X	-44.56	1
83	MP3C	Z	77.181	1
84	MP3C	Mx	-.022	1
85	MP4C	X	-44.56	1
86	MP4C	Z	77.181	1
87	MP4C	Mx	-.022	1
88	MP3A	X	-13.335	5
89	MP3A	Z	23.096	5
90	MP3A	Mx	.007	5
91	MP3B	X	-3.273	5
92	MP3B	Z	5.669	5
93	MP3B	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
94	MP3C	X	-13.335	5
95	MP3C	Z	23.096	5
96	MP3C	Mx	.007	5
97	MP3A	X	-37.362	.25
98	MP3A	Z	64.713	.25
99	MP3A	Mx	.019	.25
100	MP3A	X	-37.362	2.25
101	MP3A	Z	64.713	2.25
102	MP3A	Mx	.019	2.25
103	MP3B	X	-17.252	.25
104	MP3B	Z	29.881	.25
105	MP3B	Mx	-.017	.25
106	MP3B	X	-17.252	2.25
107	MP3B	Z	29.881	2.25
108	MP3B	Mx	-.017	2.25
109	MP3C	X	-37.362	.25
110	MP3C	Z	64.713	.25
111	MP3C	Mx	.019	.25
112	MP3C	X	-37.362	2.25
113	MP3C	Z	64.713	2.25
114	MP3C	Mx	.019	2.25
115	M26	X	-13.126	.5
116	M26	Z	22.735	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-97.862	1
2	MP1A	Z	56.5	1
3	MP1A	Mx	.087	1
4	MP1A	X	-97.862	5
5	MP1A	Z	56.5	5
6	MP1A	Mx	.087	5
7	MP1B	X	-97.862	1
8	MP1B	Z	56.5	1
9	MP1B	Mx	-.011	1
10	MP1B	X	-97.862	5
11	MP1B	Z	56.5	5
12	MP1B	Mx	-.011	5
13	MP1C	X	-131.213	1
14	MP1C	Z	75.756	1
15	MP1C	Mx	-.101	1
16	MP1C	X	-131.213	5
17	MP1C	Z	75.756	5
18	MP1C	Mx	-.101	5
19	MP1A	X	-97.862	1
20	MP1A	Z	56.5	1
21	MP1A	Mx	.011	1
22	MP1A	X	-97.862	5
23	MP1A	Z	56.5	5
24	MP1A	Mx	.011	5
25	MP1B	X	-97.862	1
26	MP1B	Z	56.5	1
27	MP1B	Mx	-.087	1
28	MP1B	X	-97.862	5
29	MP1B	Z	56.5	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1B	Mx	-.087	5
31	MP1C	X	-131.213	1
32	MP1C	Z	75.756	1
33	MP1C	Mx	.101	1
34	MP1C	X	-131.213	5
35	MP1C	Z	75.756	5
36	MP1C	Mx	.101	5
37	MP4A	X	-48.468	.25
38	MP4A	Z	27.983	.25
39	MP4A	Mx	.024	.25
40	MP4A	X	-48.468	3.75
41	MP4A	Z	27.983	3.75
42	MP4A	Mx	.024	3.75
43	MP4B	X	-48.468	.25
44	MP4B	Z	27.983	.25
45	MP4B	Mx	-.024	.25
46	MP4B	X	-48.468	3.75
47	MP4B	Z	27.983	3.75
48	MP4B	Mx	-.024	3.75
49	MP4C	X	-57.812	.25
50	MP4C	Z	33.378	.25
51	MP4C	Mx	0	.25
52	MP4C	X	-57.812	3.75
53	MP4C	Z	33.378	3.75
54	MP4C	Mx	0	3.75
55	MP4A	X	-4.778	2
56	MP4A	Z	2.759	2
57	MP4A	Mx	-.002	2
58	MP4B	X	-4.778	2
59	MP4B	Z	2.759	2
60	MP4B	Mx	.002	2
61	MP4C	X	-11.692	2
62	MP4C	Z	6.751	2
63	MP4C	Mx	0	2
64	MP1A	X	-45.632	3
65	MP1A	Z	26.346	3
66	MP1A	Mx	-.023	3
67	MP1B	X	-45.632	3
68	MP1B	Z	26.346	3
69	MP1B	Mx	.023	3
70	MP1C	X	-60.735	3
71	MP1C	Z	35.065	3
72	MP1C	Mx	0	3
73	MP2A	X	-39.847	3
74	MP2A	Z	23.006	3
75	MP2A	Mx	-.02	3
76	MP2B	X	-39.847	3
77	MP2B	Z	23.006	3
78	MP2B	Mx	.02	3
79	MP2C	X	-60.735	3
80	MP2C	Z	35.065	3
81	MP2C	Mx	0	3
82	MP3C	X	-81.196	1
83	MP3C	Z	46.879	1
84	MP3C	Mx	0	1
85	MP4C	X	-81.196	1
86	MP4C	Z	46.879	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
87	MP4C	Mx	0	1
88	MP3A	X	-11.478	5
89	MP3A	Z	6.627	5
90	MP3A	Mx	.006	5
91	MP3B	X	-11.478	5
92	MP3B	Z	6.627	5
93	MP3B	Mx	-.006	5
94	MP3C	X	-28.906	5
95	MP3C	Z	16.689	5
96	MP3C	Mx	0	5
97	MP3A	X	-41.492	.25
98	MP3A	Z	23.955	.25
99	MP3A	Mx	.021	.25
100	MP3A	X	-41.492	2.25
101	MP3A	Z	23.955	2.25
102	MP3A	Mx	.021	2.25
103	MP3B	X	-41.492	.25
104	MP3B	Z	23.955	.25
105	MP3B	Mx	-.021	.25
106	MP3B	X	-41.492	2.25
107	MP3B	Z	23.955	2.25
108	MP3B	Mx	-.021	2.25
109	MP3C	X	-76.324	.25
110	MP3C	Z	44.066	.25
111	MP3C	Mx	0	.25
112	MP3C	X	-76.324	2.25
113	MP3C	Z	44.066	2.25
114	MP3C	Mx	0	2.25
115	M26	X	-19.487	.5
116	M26	Z	11.251	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-100.164	1
2	MP1A	Z	0	1
3	MP1A	Mx	.05	1
4	MP1A	X	-100.164	5
5	MP1A	Z	0	5
6	MP1A	Mx	.05	5
7	MP1B	X	-138.675	1
8	MP1B	Z	0	1
9	MP1B	Mx	.045	1
10	MP1B	X	-138.675	5
11	MP1B	Z	0	5
12	MP1B	Mx	.045	5
13	MP1C	X	-138.675	1
14	MP1C	Z	0	1
15	MP1C	Mx	-.115	1
16	MP1C	X	-138.675	5
17	MP1C	Z	0	5
18	MP1C	Mx	-.115	5
19	MP1A	X	-100.164	1
20	MP1A	Z	0	1
21	MP1A	Mx	.05	1
22	MP1A	X	-100.164	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP1A	Z	0	5
24	MP1A	Mx	.05	5
25	MP1B	X	-138.675	1
26	MP1B	Z	0	1
27	MP1B	Mx	-.115	1
28	MP1B	X	-138.675	5
29	MP1B	Z	0	5
30	MP1B	Mx	-.115	5
31	MP1C	X	-138.675	1
32	MP1C	Z	0	1
33	MP1C	Mx	.045	1
34	MP1C	X	-138.675	5
35	MP1C	Z	0	5
36	MP1C	Mx	.045	5
37	MP4A	X	-52.369	.25
38	MP4A	Z	0	.25
39	MP4A	Mx	.026	.25
40	MP4A	X	-52.369	3.75
41	MP4A	Z	0	3.75
42	MP4A	Mx	.026	3.75
43	MP4B	X	-63.159	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	-.016	.25
46	MP4B	X	-63.159	3.75
47	MP4B	Z	0	3.75
48	MP4B	Mx	-.016	3.75
49	MP4C	X	-63.159	.25
50	MP4C	Z	0	.25
51	MP4C	Mx	-.016	.25
52	MP4C	X	-63.159	3.75
53	MP4C	Z	0	3.75
54	MP4C	Mx	-.016	3.75
55	MP4A	X	-2.857	2
56	MP4A	Z	0	2
57	MP4A	Mx	-.001	2
58	MP4B	X	-10.84	2
59	MP4B	Z	0	2
60	MP4B	Mx	.003	2
61	MP4C	X	-10.84	2
62	MP4C	Z	0	2
63	MP4C	Mx	.003	2
64	MP1A	X	-46.879	3
65	MP1A	Z	0	3
66	MP1A	Mx	-.023	3
67	MP1B	X	-64.317	3
68	MP1B	Z	0	3
69	MP1B	Mx	.016	3
70	MP1C	X	-64.317	3
71	MP1C	Z	0	3
72	MP1C	Mx	.016	3
73	MP2A	X	-37.972	3
74	MP2A	Z	0	3
75	MP2A	Mx	-.019	3
76	MP2B	X	-62.091	3
77	MP2B	Z	0	3
78	MP2B	Mx	.016	3
79	MP2C	X	-62.091	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	0	3
81	MP2C	Mx	.016	3
82	MP3C	X	-89.121	1
83	MP3C	Z	0	1
84	MP3C	Mx	.022	1
85	MP4C	X	-89.121	1
86	MP4C	Z	0	1
87	MP4C	Mx	.022	1
88	MP3A	X	-6.546	5
89	MP3A	Z	0	5
90	MP3A	Mx	.003	5
91	MP3B	X	-26.67	5
92	MP3B	Z	0	5
93	MP3B	Mx	-.007	5
94	MP3C	X	-26.67	5
95	MP3C	Z	0	5
96	MP3C	Mx	-.007	5
97	MP3A	X	-34.503	.25
98	MP3A	Z	0	.25
99	MP3A	Mx	.017	.25
100	MP3A	X	-34.503	2.25
101	MP3A	Z	0	2.25
102	MP3A	Mx	.017	2.25
103	MP3B	X	-74.725	.25
104	MP3B	Z	0	.25
105	MP3B	Mx	-.019	.25
106	MP3B	X	-74.725	2.25
107	MP3B	Z	0	2.25
108	MP3B	Mx	-.019	2.25
109	MP3C	X	-74.725	.25
110	MP3C	Z	0	.25
111	MP3C	Mx	-.019	.25
112	MP3C	X	-74.725	2.25
113	MP3C	Z	0	2.25
114	MP3C	Mx	-.019	2.25
115	M26	X	-26.252	.5
116	M26	Z	0	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-97.862	1
2	MP1A	Z	-56.5	1
3	MP1A	Mx	.011	1
4	MP1A	X	-97.862	5
5	MP1A	Z	-56.5	5
6	MP1A	Mx	.011	5
7	MP1B	X	-131.213	1
8	MP1B	Z	-75.756	1
9	MP1B	Mx	.101	1
10	MP1B	X	-131.213	5
11	MP1B	Z	-75.756	5
12	MP1B	Mx	.101	5
13	MP1C	X	-97.862	1
14	MP1C	Z	-56.5	1
15	MP1C	Mx	-.087	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	-97.862	5
17	MP1C	Z	-56.5	5
18	MP1C	Mx	-.087	5
19	MP1A	X	-97.862	1
20	MP1A	Z	-56.5	1
21	MP1A	Mx	.087	1
22	MP1A	X	-97.862	5
23	MP1A	Z	-56.5	5
24	MP1A	Mx	.087	5
25	MP1B	X	-131.213	1
26	MP1B	Z	-75.756	1
27	MP1B	Mx	-.101	1
28	MP1B	X	-131.213	5
29	MP1B	Z	-75.756	5
30	MP1B	Mx	-.101	5
31	MP1C	X	-97.862	1
32	MP1C	Z	-56.5	1
33	MP1C	Mx	-.011	1
34	MP1C	X	-97.862	5
35	MP1C	Z	-56.5	5
36	MP1C	Mx	-.011	5
37	MP4A	X	-48.468	.25
38	MP4A	Z	-27.983	.25
39	MP4A	Mx	.024	.25
40	MP4A	X	-48.468	3.75
41	MP4A	Z	-27.983	3.75
42	MP4A	Mx	.024	3.75
43	MP4B	X	-57.812	.25
44	MP4B	Z	-33.378	.25
45	MP4B	Mx	0	.25
46	MP4B	X	-57.812	3.75
47	MP4B	Z	-33.378	3.75
48	MP4B	Mx	0	3.75
49	MP4C	X	-48.468	.25
50	MP4C	Z	-27.983	.25
51	MP4C	Mx	-.024	.25
52	MP4C	X	-48.468	3.75
53	MP4C	Z	-27.983	3.75
54	MP4C	Mx	-.024	3.75
55	MP4A	X	-4.778	2
56	MP4A	Z	-2.759	2
57	MP4A	Mx	-.002	2
58	MP4B	X	-11.692	2
59	MP4B	Z	-6.751	2
60	MP4B	Mx	0	2
61	MP4C	X	-4.778	2
62	MP4C	Z	-2.759	2
63	MP4C	Mx	.002	2
64	MP1A	X	-45.632	3
65	MP1A	Z	-26.346	3
66	MP1A	Mx	-.023	3
67	MP1B	X	-60.735	3
68	MP1B	Z	-35.065	3
69	MP1B	Mx	0	3
70	MP1C	X	-45.632	3
71	MP1C	Z	-26.346	3
72	MP1C	Mx	.023	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
73	MP2A	X	-39.847	3
74	MP2A	Z	-23.006	3
75	MP2A	Mx	-.02	3
76	MP2B	X	-60.735	3
77	MP2B	Z	-35.065	3
78	MP2B	Mx	0	3
79	MP2C	X	-39.847	3
80	MP2C	Z	-23.006	3
81	MP2C	Mx	.02	3
82	MP3C	X	-69.151	1
83	MP3C	Z	-39.924	1
84	MP3C	Mx	.035	1
85	MP4C	X	-69.151	1
86	MP4C	Z	-39.924	1
87	MP4C	Mx	.035	1
88	MP3A	X	-11.478	5
89	MP3A	Z	-6.627	5
90	MP3A	Mx	.006	5
91	MP3B	X	-28.906	5
92	MP3B	Z	-16.689	5
93	MP3B	Mx	0	5
94	MP3C	X	-11.478	5
95	MP3C	Z	-6.627	5
96	MP3C	Mx	-.006	5
97	MP3A	X	-41.492	.25
98	MP3A	Z	-23.955	.25
99	MP3A	Mx	.021	.25
100	MP3A	X	-41.492	2.25
101	MP3A	Z	-23.955	2.25
102	MP3A	Mx	.021	2.25
103	MP3B	X	-76.324	.25
104	MP3B	Z	-44.066	.25
105	MP3B	Mx	0	.25
106	MP3B	X	-76.324	2.25
107	MP3B	Z	-44.066	2.25
108	MP3B	Mx	0	2.25
109	MP3C	X	-41.492	.25
110	MP3C	Z	-23.955	.25
111	MP3C	Mx	-.021	.25
112	MP3C	X	-41.492	2.25
113	MP3C	Z	-23.955	2.25
114	MP3C	Mx	-.021	2.25
115	M26	X	-29.231	.5
116	M26	Z	-16.876	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-69.337	1
2	MP1A	Z	-120.096	1
3	MP1A	Mx	-.045	1
4	MP1A	X	-69.337	5
5	MP1A	Z	-120.096	5
6	MP1A	Mx	-.045	5
7	MP1B	X	-69.337	1
8	MP1B	Z	-120.096	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
9	MP1B	Mx	.115	1
10	MP1B	X	-69.337	5
11	MP1B	Z	-120.096	5
12	MP1B	Mx	.115	5
13	MP1C	X	-50.082	1
14	MP1C	Z	-86.744	1
15	MP1C	Mx	-.05	1
16	MP1C	X	-50.082	5
17	MP1C	Z	-86.744	5
18	MP1C	Mx	-.05	5
19	MP1A	X	-69.337	1
20	MP1A	Z	-120.096	1
21	MP1A	Mx	.115	1
22	MP1A	X	-69.337	5
23	MP1A	Z	-120.096	5
24	MP1A	Mx	.115	5
25	MP1B	X	-69.337	1
26	MP1B	Z	-120.096	1
27	MP1B	Mx	-.045	1
28	MP1B	X	-69.337	5
29	MP1B	Z	-120.096	5
30	MP1B	Mx	-.045	5
31	MP1C	X	-50.082	1
32	MP1C	Z	-86.744	1
33	MP1C	Mx	-.05	1
34	MP1C	X	-50.082	5
35	MP1C	Z	-86.744	5
36	MP1C	Mx	-.05	5
37	MP4A	X	-31.579	.25
38	MP4A	Z	-54.697	.25
39	MP4A	Mx	.016	.25
40	MP4A	X	-31.579	3.75
41	MP4A	Z	-54.697	3.75
42	MP4A	Mx	.016	3.75
43	MP4B	X	-31.579	.25
44	MP4B	Z	-54.697	.25
45	MP4B	Mx	.016	.25
46	MP4B	X	-31.579	3.75
47	MP4B	Z	-54.697	3.75
48	MP4B	Mx	.016	3.75
49	MP4C	X	-26.185	.25
50	MP4C	Z	-45.353	.25
51	MP4C	Mx	-.026	.25
52	MP4C	X	-26.185	3.75
53	MP4C	Z	-45.353	3.75
54	MP4C	Mx	-.026	3.75
55	MP4A	X	-5.42	2
56	MP4A	Z	-9.388	2
57	MP4A	Mx	-.003	2
58	MP4B	X	-5.42	2
59	MP4B	Z	-9.388	2
60	MP4B	Mx	-.003	2
61	MP4C	X	-1.428	2
62	MP4C	Z	-2.474	2
63	MP4C	Mx	.001	2
64	MP1A	X	-32.159	3
65	MP1A	Z	-55.7	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP1A	Mx	-.016	3
67	MP1B	X	-32.159	3
68	MP1B	Z	-55.7	3
69	MP1B	Mx	-.016	3
70	MP1C	X	-23.439	3
71	MP1C	Z	-40.598	3
72	MP1C	Mx	.023	3
73	MP2A	X	-31.045	3
74	MP2A	Z	-53.772	3
75	MP2A	Mx	-.016	3
76	MP2B	X	-31.045	3
77	MP2B	Z	-53.772	3
78	MP2B	Mx	-.016	3
79	MP2C	X	-18.986	3
80	MP2C	Z	-32.884	3
81	MP2C	Mx	.019	3
82	MP3C	X	-37.606	1
83	MP3C	Z	-65.135	1
84	MP3C	Mx	.038	1
85	MP4C	X	-37.606	1
86	MP4C	Z	-65.135	1
87	MP4C	Mx	.038	1
88	MP3A	X	-13.335	5
89	MP3A	Z	-23.096	5
90	MP3A	Mx	.007	5
91	MP3B	X	-13.335	5
92	MP3B	Z	-23.096	5
93	MP3B	Mx	.007	5
94	MP3C	X	-3.273	5
95	MP3C	Z	-5.669	5
96	MP3C	Mx	-.003	5
97	MP3A	X	-37.362	.25
98	MP3A	Z	-64.713	.25
99	MP3A	Mx	.019	.25
100	MP3A	X	-37.362	2.25
101	MP3A	Z	-64.713	2.25
102	MP3A	Mx	.019	2.25
103	MP3B	X	-37.362	.25
104	MP3B	Z	-64.713	.25
105	MP3B	Mx	.019	.25
106	MP3B	X	-37.362	2.25
107	MP3B	Z	-64.713	2.25
108	MP3B	Mx	.019	2.25
109	MP3C	X	-17.252	.25
110	MP3C	Z	-29.881	.25
111	MP3C	Mx	-.017	.25
112	MP3C	X	-17.252	2.25
113	MP3C	Z	-29.881	2.25
114	MP3C	Mx	-.017	2.25
115	M26	X	-18.751	.5
116	M26	Z	-32.478	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	-31.309	1
3	MP1A	Mx	-.021	1
4	MP1A	X	0	5
5	MP1A	Z	-31.309	5
6	MP1A	Mx	-.021	5
7	MP1B	X	0	1
8	MP1B	Z	-24.296	1
9	MP1B	Mx	.019	1
10	MP1B	X	0	5
11	MP1B	Z	-24.296	5
12	MP1B	Mx	.019	5
13	MP1C	X	0	1
14	MP1C	Z	-24.296	1
15	MP1C	Mx	-.002	1
16	MP1C	X	0	5
17	MP1C	Z	-24.296	5
18	MP1C	Mx	-.002	5
19	MP1A	X	0	1
20	MP1A	Z	-31.309	1
21	MP1A	Mx	.021	1
22	MP1A	X	0	5
23	MP1A	Z	-31.309	5
24	MP1A	Mx	.021	5
25	MP1B	X	0	1
26	MP1B	Z	-24.296	1
27	MP1B	Mx	.002	1
28	MP1B	X	0	5
29	MP1B	Z	-24.296	5
30	MP1B	Mx	.002	5
31	MP1C	X	0	1
32	MP1C	Z	-24.296	1
33	MP1C	Mx	-.019	1
34	MP1C	X	0	5
35	MP1C	Z	-24.296	5
36	MP1C	Mx	-.019	5
37	MP4A	X	0	.25
38	MP4A	Z	-14.833	.25
39	MP4A	Mx	0	.25
40	MP4A	X	0	3.75
41	MP4A	Z	-14.833	3.75
42	MP4A	Mx	0	3.75
43	MP4B	X	0	.25
44	MP4B	Z	-12.787	.25
45	MP4B	Mx	.006	.25
46	MP4B	X	0	3.75
47	MP4B	Z	-12.787	3.75
48	MP4B	Mx	.006	3.75
49	MP4C	X	0	.25
50	MP4C	Z	-12.787	.25
51	MP4C	Mx	-.006	.25
52	MP4C	X	0	3.75
53	MP4C	Z	-12.787	3.75
54	MP4C	Mx	-.006	3.75
55	MP4A	X	0	2
56	MP4A	Z	-3.805	2
57	MP4A	Mx	0	2
58	MP4B	X	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
59	MP4B	Z	-2.179	2
60	MP4B	Mx	-.000944	2
61	MP4C	X	0	2
62	MP4C	Z	-2.179	2
63	MP4C	Mx	.000944	2
64	MP1A	X	0	3
65	MP1A	Z	-16.231	3
66	MP1A	Mx	0	3
67	MP1B	X	0	3
68	MP1B	Z	-12.669	3
69	MP1B	Mx	-.005	3
70	MP1C	X	0	3
71	MP1C	Z	-12.669	3
72	MP1C	Mx	.005	3
73	MP2A	X	0	3
74	MP2A	Z	-16.231	3
75	MP2A	Mx	0	3
76	MP2B	X	0	3
77	MP2B	Z	-11.315	3
78	MP2B	Mx	-.005	3
79	MP2C	X	0	3
80	MP2C	Z	-11.315	3
81	MP2C	Mx	.005	3
82	MP3C	X	0	1
83	MP3C	Z	-18.444	1
84	MP3C	Mx	.008	1
85	MP4C	X	0	1
86	MP4C	Z	-18.444	1
87	MP4C	Mx	.008	1
88	MP3A	X	0	5
89	MP3A	Z	-8.636	5
90	MP3A	Mx	0	5
91	MP3B	X	0	5
92	MP3B	Z	-4.322	5
93	MP3B	Mx	.002	5
94	MP3C	X	0	5
95	MP3C	Z	-4.322	5
96	MP3C	Mx	-.002	5
97	MP3A	X	0	.25
98	MP3A	Z	-18.805	.25
99	MP3A	Mx	0	.25
100	MP3A	X	0	2.25
101	MP3A	Z	-18.805	2.25
102	MP3A	Mx	0	2.25
103	MP3B	X	0	.25
104	MP3B	Z	-10.931	.25
105	MP3B	Mx	.005	.25
106	MP3B	X	0	2.25
107	MP3B	Z	-10.931	2.25
108	MP3B	Mx	.005	2.25
109	MP3C	X	0	.25
110	MP3C	Z	-10.931	.25
111	MP3C	Mx	-.005	.25
112	MP3C	X	0	2.25
113	MP3C	Z	-10.931	2.25
114	MP3C	Mx	-.005	2.25
115	M26	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	M26	Z	-8.105	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	14.486	1
2	MP1A	Z	-25.09	1
3	MP1A	Mx	-.024	1
4	MP1A	X	14.486	5
5	MP1A	Z	-25.09	5
6	MP1A	Mx	-.024	5
7	MP1B	X	10.979	1
8	MP1B	Z	-19.016	1
9	MP1B	Mx	.011	1
10	MP1B	X	10.979	5
11	MP1B	Z	-19.016	5
12	MP1B	Mx	.011	5
13	MP1C	X	14.486	1
14	MP1C	Z	-25.09	1
15	MP1C	Mx	.009	1
16	MP1C	X	14.486	5
17	MP1C	Z	-25.09	5
18	MP1C	Mx	.009	5
19	MP1A	X	14.486	1
20	MP1A	Z	-25.09	1
21	MP1A	Mx	.009	1
22	MP1A	X	14.486	5
23	MP1A	Z	-25.09	5
24	MP1A	Mx	.009	5
25	MP1B	X	10.979	1
26	MP1B	Z	-19.016	1
27	MP1B	Mx	.011	1
28	MP1B	X	10.979	5
29	MP1B	Z	-19.016	5
30	MP1B	Mx	.011	5
31	MP1C	X	14.486	1
32	MP1C	Z	-25.09	1
33	MP1C	Mx	-.024	1
34	MP1C	X	14.486	5
35	MP1C	Z	-25.09	5
36	MP1C	Mx	-.024	5
37	MP4A	X	7.076	.25
38	MP4A	Z	-12.255	.25
39	MP4A	Mx	-.004	.25
40	MP4A	X	7.076	3.75
41	MP4A	Z	-12.255	3.75
42	MP4A	Mx	-.004	3.75
43	MP4B	X	6.053	.25
44	MP4B	Z	-10.483	.25
45	MP4B	Mx	.006	.25
46	MP4B	X	6.053	3.75
47	MP4B	Z	-10.483	3.75
48	MP4B	Mx	.006	3.75
49	MP4C	X	7.076	.25
50	MP4C	Z	-12.255	.25
51	MP4C	Mx	-.004	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP4C	X	7.076	3.75
53	MP4C	Z	-12.255	3.75
54	MP4C	Mx	-.004	3.75
55	MP4A	X	1.631	2
56	MP4A	Z	-2.826	2
57	MP4A	Mx	.000815	2
58	MP4B	X	.818	2
59	MP4B	Z	-1.417	2
60	MP4B	Mx	-.000818	2
61	MP4C	X	1.631	2
62	MP4C	Z	-2.826	2
63	MP4C	Mx	.000816	2
64	MP1A	X	7.522	3
65	MP1A	Z	-13.028	3
66	MP1A	Mx	.004	3
67	MP1B	X	5.741	3
68	MP1B	Z	-9.943	3
69	MP1B	Mx	-.006	3
70	MP1C	X	7.522	3
71	MP1C	Z	-13.028	3
72	MP1C	Mx	.004	3
73	MP2A	X	7.296	3
74	MP2A	Z	-12.637	3
75	MP2A	Mx	.004	3
76	MP2B	X	4.838	3
77	MP2B	Z	-8.38	3
78	MP2B	Mx	-.005	3
79	MP2C	X	7.296	3
80	MP2C	Z	-12.637	3
81	MP2C	Mx	.004	3
82	MP3C	X	10.373	1
83	MP3C	Z	-17.966	1
84	MP3C	Mx	.005	1
85	MP4C	X	10.373	1
86	MP4C	Z	-17.966	1
87	MP4C	Mx	.005	1
88	MP3A	X	3.599	5
89	MP3A	Z	-6.234	5
90	MP3A	Mx	-.002	5
91	MP3B	X	1.442	5
92	MP3B	Z	-2.498	5
93	MP3B	Mx	.001	5
94	MP3C	X	3.599	5
95	MP3C	Z	-6.234	5
96	MP3C	Mx	-.002	5
97	MP3A	X	8.09	.25
98	MP3A	Z	-14.013	.25
99	MP3A	Mx	-.004	.25
100	MP3A	X	8.09	2.25
101	MP3A	Z	-14.013	2.25
102	MP3A	Mx	-.004	2.25
103	MP3B	X	4.153	.25
104	MP3B	Z	-7.194	.25
105	MP3B	Mx	.004	.25
106	MP3B	X	4.153	2.25
107	MP3B	Z	-7.194	2.25
108	MP3B	Mx	.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
109	MP3C	X	8.09	.25
110	MP3C	Z	-14.013	.25
111	MP3C	Mx	-.004	.25
112	MP3C	X	8.09	2.25
113	MP3C	Z	-14.013	2.25
114	MP3C	Mx	-.004	2.25
115	M26	X	3.466	.5
116	M26	Z	-6.004	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	21.041	1
2	MP1A	Z	-12.148	1
3	MP1A	Mx	-.019	1
4	MP1A	X	21.041	5
5	MP1A	Z	-12.148	5
6	MP1A	Mx	-.019	5
7	MP1B	X	21.041	1
8	MP1B	Z	-12.148	1
9	MP1B	Mx	.002	1
10	MP1B	X	21.041	5
11	MP1B	Z	-12.148	5
12	MP1B	Mx	.002	5
13	MP1C	X	27.115	1
14	MP1C	Z	-15.655	1
15	MP1C	Mx	.021	1
16	MP1C	X	27.115	5
17	MP1C	Z	-15.655	5
18	MP1C	Mx	.021	5
19	MP1A	X	21.041	1
20	MP1A	Z	-12.148	1
21	MP1A	Mx	-.002	1
22	MP1A	X	21.041	5
23	MP1A	Z	-12.148	5
24	MP1A	Mx	-.002	5
25	MP1B	X	21.041	1
26	MP1B	Z	-12.148	1
27	MP1B	Mx	.019	1
28	MP1B	X	21.041	5
29	MP1B	Z	-12.148	5
30	MP1B	Mx	.019	5
31	MP1C	X	27.115	1
32	MP1C	Z	-15.655	1
33	MP1C	Mx	-.021	1
34	MP1C	X	27.115	5
35	MP1C	Z	-15.655	5
36	MP1C	Mx	-.021	5
37	MP4A	X	11.074	.25
38	MP4A	Z	-6.394	.25
39	MP4A	Mx	-.006	.25
40	MP4A	X	11.074	3.75
41	MP4A	Z	-6.394	3.75
42	MP4A	Mx	-.006	3.75
43	MP4B	X	11.074	.25
44	MP4B	Z	-6.394	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
45	MP4B	Mx	.006	.25
46	MP4B	X	11.074	3.75
47	MP4B	Z	-6.394	3.75
48	MP4B	Mx	.006	3.75
49	MP4C	X	12.846	.25
50	MP4C	Z	-7.416	.25
51	MP4C	Mx	0	.25
52	MP4C	X	12.846	3.75
53	MP4C	Z	-7.416	3.75
54	MP4C	Mx	0	3.75
55	MP4A	X	1.887	2
56	MP4A	Z	-1.089	2
57	MP4A	Mx	.000943	2
58	MP4B	X	1.887	2
59	MP4B	Z	-1.089	2
60	MP4B	Mx	-.000943	2
61	MP4C	X	3.295	2
62	MP4C	Z	-1.902	2
63	MP4C	Mx	0	2
64	MP1A	X	10.971	3
65	MP1A	Z	-6.334	3
66	MP1A	Mx	.005	3
67	MP1B	X	10.971	3
68	MP1B	Z	-6.334	3
69	MP1B	Mx	-.005	3
70	MP1C	X	14.056	3
71	MP1C	Z	-8.115	3
72	MP1C	Mx	0	3
73	MP2A	X	9.799	3
74	MP2A	Z	-5.658	3
75	MP2A	Mx	.005	3
76	MP2B	X	9.799	3
77	MP2B	Z	-5.658	3
78	MP2B	Mx	-.005	3
79	MP2C	X	14.056	3
80	MP2C	Z	-8.115	3
81	MP2C	Mx	0	3
82	MP3C	X	18.962	1
83	MP3C	Z	-10.948	1
84	MP3C	Mx	0	1
85	MP4C	X	18.962	1
86	MP4C	Z	-10.948	1
87	MP4C	Mx	0	1
88	MP3A	X	3.743	5
89	MP3A	Z	-2.161	5
90	MP3A	Mx	-.002	5
91	MP3B	X	3.743	5
92	MP3B	Z	-2.161	5
93	MP3B	Mx	.002	5
94	MP3C	X	7.479	5
95	MP3C	Z	-4.318	5
96	MP3C	Mx	0	5
97	MP3A	X	9.467	.25
98	MP3A	Z	-5.466	.25
99	MP3A	Mx	-.005	.25
100	MP3A	X	9.467	2.25
101	MP3A	Z	-5.466	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
102	MP3A	Mx	-.005	2.25
103	MP3B	X	9.467	.25
104	MP3B	Z	-5.466	.25
105	MP3B	Mx	.005	.25
106	MP3B	X	9.467	2.25
107	MP3B	Z	-5.466	2.25
108	MP3B	Mx	.005	2.25
109	MP3C	X	16.286	.25
110	MP3C	Z	-9.403	.25
111	MP3C	Mx	0	.25
112	MP3C	X	16.286	2.25
113	MP3C	Z	-9.403	2.25
114	MP3C	Mx	0	2.25
115	M26	X	5.496	.5
116	M26	Z	-3.173	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	21.958	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.011	1
4	MP1A	X	21.958	5
5	MP1A	Z	0	5
6	MP1A	Mx	-.011	5
7	MP1B	X	28.972	1
8	MP1B	Z	0	1
9	MP1B	Mx	-.009	1
10	MP1B	X	28.972	5
11	MP1B	Z	0	5
12	MP1B	Mx	-.009	5
13	MP1C	X	28.972	1
14	MP1C	Z	0	1
15	MP1C	Mx	.024	1
16	MP1C	X	28.972	5
17	MP1C	Z	0	5
18	MP1C	Mx	.024	5
19	MP1A	X	21.958	1
20	MP1A	Z	0	1
21	MP1A	Mx	-.011	1
22	MP1A	X	21.958	5
23	MP1A	Z	0	5
24	MP1A	Mx	-.011	5
25	MP1B	X	28.972	1
26	MP1B	Z	0	1
27	MP1B	Mx	.024	1
28	MP1B	X	28.972	5
29	MP1B	Z	0	5
30	MP1B	Mx	.024	5
31	MP1C	X	28.972	1
32	MP1C	Z	0	1
33	MP1C	Mx	-.009	1
34	MP1C	X	28.972	5
35	MP1C	Z	0	5
36	MP1C	Mx	-.009	5
37	MP4A	X	12.105	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4A	Z	0	.25
39	MP4A	Mx	-.006	.25
40	MP4A	X	12.105	3.75
41	MP4A	Z	0	3.75
42	MP4A	Mx	-.006	3.75
43	MP4B	X	14.151	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	.004	.25
46	MP4B	X	14.151	3.75
47	MP4B	Z	0	3.75
48	MP4B	Mx	.004	3.75
49	MP4C	X	14.151	.25
50	MP4C	Z	0	.25
51	MP4C	Mx	.004	.25
52	MP4C	X	14.151	3.75
53	MP4C	Z	0	3.75
54	MP4C	Mx	.004	3.75
55	MP4A	X	1.636	2
56	MP4A	Z	0	2
57	MP4A	Mx	.000818	2
58	MP4B	X	3.263	2
59	MP4B	Z	0	2
60	MP4B	Mx	-.000816	2
61	MP4C	X	3.263	2
62	MP4C	Z	0	2
63	MP4C	Mx	-.000816	2
64	MP1A	X	11.481	3
65	MP1A	Z	0	3
66	MP1A	Mx	.006	3
67	MP1B	X	15.044	3
68	MP1B	Z	0	3
69	MP1B	Mx	-.004	3
70	MP1C	X	15.044	3
71	MP1C	Z	0	3
72	MP1C	Mx	-.004	3
73	MP2A	X	9.676	3
74	MP2A	Z	0	3
75	MP2A	Mx	.005	3
76	MP2B	X	14.592	3
77	MP2B	Z	0	3
78	MP2B	Mx	-.004	3
79	MP2C	X	14.592	3
80	MP2C	Z	0	3
81	MP2C	Mx	-.004	3
82	MP3C	X	20.745	1
83	MP3C	Z	0	1
84	MP3C	Mx	-.005	1
85	MP4C	X	20.745	1
86	MP4C	Z	0	1
87	MP4C	Mx	-.005	1
88	MP3A	X	2.884	5
89	MP3A	Z	0	5
90	MP3A	Mx	-.001	5
91	MP3B	X	7.198	5
92	MP3B	Z	0	5
93	MP3B	Mx	.002	5
94	MP3C	X	7.198	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
95	MP3C	Z	0	5
96	MP3C	Mx	.002	5
97	MP3A	X	8.307	.25
98	MP3A	Z	0	.25
99	MP3A	Mx	-.004	.25
100	MP3A	X	8.307	2.25
101	MP3A	Z	0	2.25
102	MP3A	Mx	-.004	2.25
103	MP3B	X	16.181	.25
104	MP3B	Z	0	.25
105	MP3B	Mx	.004	.25
106	MP3B	X	16.181	2.25
107	MP3B	Z	0	2.25
108	MP3B	Mx	.004	2.25
109	MP3C	X	16.181	.25
110	MP3C	Z	0	.25
111	MP3C	Mx	.004	.25
112	MP3C	X	16.181	2.25
113	MP3C	Z	0	2.25
114	MP3C	Mx	.004	2.25
115	M26	X	6.933	.5
116	M26	Z	0	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	21.041	1
2	MP1A	Z	12.148	1
3	MP1A	Mx	-.002	1
4	MP1A	X	21.041	5
5	MP1A	Z	12.148	5
6	MP1A	Mx	-.002	5
7	MP1B	X	27.115	1
8	MP1B	Z	15.655	1
9	MP1B	Mx	-.021	1
10	MP1B	X	27.115	5
11	MP1B	Z	15.655	5
12	MP1B	Mx	-.021	5
13	MP1C	X	21.041	1
14	MP1C	Z	12.148	1
15	MP1C	Mx	.019	1
16	MP1C	X	21.041	5
17	MP1C	Z	12.148	5
18	MP1C	Mx	.019	5
19	MP1A	X	21.041	1
20	MP1A	Z	12.148	1
21	MP1A	Mx	-.019	1
22	MP1A	X	21.041	5
23	MP1A	Z	12.148	5
24	MP1A	Mx	-.019	5
25	MP1B	X	27.115	1
26	MP1B	Z	15.655	1
27	MP1B	Mx	.021	1
28	MP1B	X	27.115	5
29	MP1B	Z	15.655	5
30	MP1B	Mx	.021	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1C	X	21.041	1
32	MP1C	Z	12.148	1
33	MP1C	Mx	.002	1
34	MP1C	X	21.041	5
35	MP1C	Z	12.148	5
36	MP1C	Mx	.002	5
37	MP4A	X	11.074	.25
38	MP4A	Z	6.394	.25
39	MP4A	Mx	-.006	.25
40	MP4A	X	11.074	3.75
41	MP4A	Z	6.394	3.75
42	MP4A	Mx	-.006	3.75
43	MP4B	X	12.846	.25
44	MP4B	Z	7.416	.25
45	MP4B	Mx	0	.25
46	MP4B	X	12.846	3.75
47	MP4B	Z	7.416	3.75
48	MP4B	Mx	0	3.75
49	MP4C	X	11.074	.25
50	MP4C	Z	6.394	.25
51	MP4C	Mx	.006	.25
52	MP4C	X	11.074	3.75
53	MP4C	Z	6.394	3.75
54	MP4C	Mx	.006	3.75
55	MP4A	X	1.887	2
56	MP4A	Z	1.089	2
57	MP4A	Mx	.000943	2
58	MP4B	X	3.295	2
59	MP4B	Z	1.902	2
60	MP4B	Mx	0	2
61	MP4C	X	1.887	2
62	MP4C	Z	1.089	2
63	MP4C	Mx	-.000943	2
64	MP1A	X	10.971	3
65	MP1A	Z	6.334	3
66	MP1A	Mx	.005	3
67	MP1B	X	14.056	3
68	MP1B	Z	8.115	3
69	MP1B	Mx	0	3
70	MP1C	X	10.971	3
71	MP1C	Z	6.334	3
72	MP1C	Mx	-.005	3
73	MP2A	X	9.799	3
74	MP2A	Z	5.658	3
75	MP2A	Mx	.005	3
76	MP2B	X	14.056	3
77	MP2B	Z	8.115	3
78	MP2B	Mx	0	3
79	MP2C	X	9.799	3
80	MP2C	Z	5.658	3
81	MP2C	Mx	-.005	3
82	MP3C	X	15.973	1
83	MP3C	Z	9.222	1
84	MP3C	Mx	-.008	1
85	MP4C	X	15.973	1
86	MP4C	Z	9.222	1
87	MP4C	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP3A	X	3.743	5
89	MP3A	Z	2.161	5
90	MP3A	Mx	-.002	5
91	MP3B	X	7.479	5
92	MP3B	Z	4.318	5
93	MP3B	Mx	0	5
94	MP3C	X	3.743	5
95	MP3C	Z	2.161	5
96	MP3C	Mx	.002	5
97	MP3A	X	9.467	.25
98	MP3A	Z	5.466	.25
99	MP3A	Mx	-.005	.25
100	MP3A	X	9.467	2.25
101	MP3A	Z	5.466	2.25
102	MP3A	Mx	-.005	2.25
103	MP3B	X	16.286	.25
104	MP3B	Z	9.403	.25
105	MP3B	Mx	0	.25
106	MP3B	X	16.286	2.25
107	MP3B	Z	9.403	2.25
108	MP3B	Mx	0	2.25
109	MP3C	X	9.467	.25
110	MP3C	Z	5.466	.25
111	MP3C	Mx	.005	.25
112	MP3C	X	9.467	2.25
113	MP3C	Z	5.466	2.25
114	MP3C	Mx	.005	2.25
115	M26	X	7.019	.5
116	M26	Z	4.053	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	14.486	1
2	MP1A	Z	25.09	1
3	MP1A	Mx	.009	1
4	MP1A	X	14.486	5
5	MP1A	Z	25.09	5
6	MP1A	Mx	.009	5
7	MP1B	X	14.486	1
8	MP1B	Z	25.09	1
9	MP1B	Mx	-.024	1
10	MP1B	X	14.486	5
11	MP1B	Z	25.09	5
12	MP1B	Mx	-.024	5
13	MP1C	X	10.979	1
14	MP1C	Z	19.016	1
15	MP1C	Mx	.011	1
16	MP1C	X	10.979	5
17	MP1C	Z	19.016	5
18	MP1C	Mx	.011	5
19	MP1A	X	14.486	1
20	MP1A	Z	25.09	1
21	MP1A	Mx	-.024	1
22	MP1A	X	14.486	5
23	MP1A	Z	25.09	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1A	Mx	-.024	5
25	MP1B	X	14.486	1
26	MP1B	Z	25.09	1
27	MP1B	Mx	.009	1
28	MP1B	X	14.486	5
29	MP1B	Z	25.09	5
30	MP1B	Mx	.009	5
31	MP1C	X	10.979	1
32	MP1C	Z	19.016	1
33	MP1C	Mx	.011	1
34	MP1C	X	10.979	5
35	MP1C	Z	19.016	5
36	MP1C	Mx	.011	5
37	MP4A	X	7.076	.25
38	MP4A	Z	12.255	.25
39	MP4A	Mx	-.004	.25
40	MP4A	X	7.076	3.75
41	MP4A	Z	12.255	3.75
42	MP4A	Mx	-.004	3.75
43	MP4B	X	7.076	.25
44	MP4B	Z	12.255	.25
45	MP4B	Mx	-.004	.25
46	MP4B	X	7.076	3.75
47	MP4B	Z	12.255	3.75
48	MP4B	Mx	-.004	3.75
49	MP4C	X	6.053	.25
50	MP4C	Z	10.483	.25
51	MP4C	Mx	.006	.25
52	MP4C	X	6.053	3.75
53	MP4C	Z	10.483	3.75
54	MP4C	Mx	.006	3.75
55	MP4A	X	1.631	2
56	MP4A	Z	2.826	2
57	MP4A	Mx	.000815	2
58	MP4B	X	1.631	2
59	MP4B	Z	2.826	2
60	MP4B	Mx	.000816	2
61	MP4C	X	.818	2
62	MP4C	Z	1.417	2
63	MP4C	Mx	-.000818	2
64	MP1A	X	7.522	3
65	MP1A	Z	13.028	3
66	MP1A	Mx	.004	3
67	MP1B	X	7.522	3
68	MP1B	Z	13.028	3
69	MP1B	Mx	.004	3
70	MP1C	X	5.741	3
71	MP1C	Z	9.943	3
72	MP1C	Mx	-.006	3
73	MP2A	X	7.296	3
74	MP2A	Z	12.637	3
75	MP2A	Mx	.004	3
76	MP2B	X	7.296	3
77	MP2B	Z	12.637	3
78	MP2B	Mx	.004	3
79	MP2C	X	4.838	3
80	MP2C	Z	8.38	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2C	Mx	-.005	3
82	MP3C	X	8.647	1
83	MP3C	Z	14.977	1
84	MP3C	Mx	-.009	1
85	MP4C	X	8.647	1
86	MP4C	Z	14.977	1
87	MP4C	Mx	-.009	1
88	MP3A	X	3.599	5
89	MP3A	Z	6.234	5
90	MP3A	Mx	-.002	5
91	MP3B	X	3.599	5
92	MP3B	Z	6.234	5
93	MP3B	Mx	-.002	5
94	MP3C	X	1.442	5
95	MP3C	Z	2.498	5
96	MP3C	Mx	.001	5
97	MP3A	X	8.09	.25
98	MP3A	Z	14.013	.25
99	MP3A	Mx	-.004	.25
100	MP3A	X	8.09	2.25
101	MP3A	Z	14.013	2.25
102	MP3A	Mx	-.004	2.25
103	MP3B	X	8.09	.25
104	MP3B	Z	14.013	.25
105	MP3B	Mx	-.004	.25
106	MP3B	X	8.09	2.25
107	MP3B	Z	14.013	2.25
108	MP3B	Mx	-.004	2.25
109	MP3C	X	4.153	.25
110	MP3C	Z	7.194	.25
111	MP3C	Mx	.004	.25
112	MP3C	X	4.153	2.25
113	MP3C	Z	7.194	2.25
114	MP3C	Mx	.004	2.25
115	M26	X	4.346	.5
116	M26	Z	7.527	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	31.309	1
3	MP1A	Mx	.021	1
4	MP1A	X	0	5
5	MP1A	Z	31.309	5
6	MP1A	Mx	.021	5
7	MP1B	X	0	1
8	MP1B	Z	24.296	1
9	MP1B	Mx	-.019	1
10	MP1B	X	0	5
11	MP1B	Z	24.296	5
12	MP1B	Mx	-.019	5
13	MP1C	X	0	1
14	MP1C	Z	24.296	1
15	MP1C	Mx	.002	1
16	MP1C	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	Z	24.296	5
18	MP1C	Mx	.002	5
19	MP1A	X	0	1
20	MP1A	Z	31.309	1
21	MP1A	Mx	-.021	1
22	MP1A	X	0	5
23	MP1A	Z	31.309	5
24	MP1A	Mx	-.021	5
25	MP1B	X	0	1
26	MP1B	Z	24.296	1
27	MP1B	Mx	-.002	1
28	MP1B	X	0	5
29	MP1B	Z	24.296	5
30	MP1B	Mx	-.002	5
31	MP1C	X	0	1
32	MP1C	Z	24.296	1
33	MP1C	Mx	.019	1
34	MP1C	X	0	5
35	MP1C	Z	24.296	5
36	MP1C	Mx	.019	5
37	MP4A	X	0	.25
38	MP4A	Z	14.833	.25
39	MP4A	Mx	0	.25
40	MP4A	X	0	3.75
41	MP4A	Z	14.833	3.75
42	MP4A	Mx	0	3.75
43	MP4B	X	0	.25
44	MP4B	Z	12.787	.25
45	MP4B	Mx	-.006	.25
46	MP4B	X	0	3.75
47	MP4B	Z	12.787	3.75
48	MP4B	Mx	-.006	3.75
49	MP4C	X	0	.25
50	MP4C	Z	12.787	.25
51	MP4C	Mx	.006	.25
52	MP4C	X	0	3.75
53	MP4C	Z	12.787	3.75
54	MP4C	Mx	.006	3.75
55	MP4A	X	0	2
56	MP4A	Z	3.805	2
57	MP4A	Mx	0	2
58	MP4B	X	0	2
59	MP4B	Z	2.179	2
60	MP4B	Mx	.000944	2
61	MP4C	X	0	2
62	MP4C	Z	2.179	2
63	MP4C	Mx	-.000944	2
64	MP1A	X	0	3
65	MP1A	Z	16.231	3
66	MP1A	Mx	0	3
67	MP1B	X	0	3
68	MP1B	Z	12.669	3
69	MP1B	Mx	.005	3
70	MP1C	X	0	3
71	MP1C	Z	12.669	3
72	MP1C	Mx	-.005	3
73	MP2A	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
74	MP2A	Z	16.231	3
75	MP2A	Mx	0	3
76	MP2B	X	0	3
77	MP2B	Z	11.315	3
78	MP2B	Mx	.005	3
79	MP2C	X	0	3
80	MP2C	Z	11.315	3
81	MP2C	Mx	-.005	3
82	MP3C	X	0	1
83	MP3C	Z	18.444	1
84	MP3C	Mx	-.008	1
85	MP4C	X	0	1
86	MP4C	Z	18.444	1
87	MP4C	Mx	-.008	1
88	MP3A	X	0	5
89	MP3A	Z	8.636	5
90	MP3A	Mx	0	5
91	MP3B	X	0	5
92	MP3B	Z	4.322	5
93	MP3B	Mx	-.002	5
94	MP3C	X	0	5
95	MP3C	Z	4.322	5
96	MP3C	Mx	.002	5
97	MP3A	X	0	.25
98	MP3A	Z	18.805	.25
99	MP3A	Mx	0	.25
100	MP3A	X	0	2.25
101	MP3A	Z	18.805	2.25
102	MP3A	Mx	0	2.25
103	MP3B	X	0	.25
104	MP3B	Z	10.931	.25
105	MP3B	Mx	-.005	.25
106	MP3B	X	0	2.25
107	MP3B	Z	10.931	2.25
108	MP3B	Mx	-.005	2.25
109	MP3C	X	0	.25
110	MP3C	Z	10.931	.25
111	MP3C	Mx	.005	.25
112	MP3C	X	0	2.25
113	MP3C	Z	10.931	2.25
114	MP3C	Mx	.005	2.25
115	M26	X	0	.5
116	M26	Z	8.105	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-14.486	1
2	MP1A	Z	25.09	1
3	MP1A	Mx	.024	1
4	MP1A	X	-14.486	5
5	MP1A	Z	25.09	5
6	MP1A	Mx	.024	5
7	MP1B	X	-10.979	1
8	MP1B	Z	19.016	1
9	MP1B	Mx	-.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1B	X	-10.979	5
11	MP1B	Z	19.016	5
12	MP1B	Mx	-.011	5
13	MP1C	X	-14.486	1
14	MP1C	Z	25.09	1
15	MP1C	Mx	-.009	1
16	MP1C	X	-14.486	5
17	MP1C	Z	25.09	5
18	MP1C	Mx	-.009	5
19	MP1A	X	-14.486	1
20	MP1A	Z	25.09	1
21	MP1A	Mx	-.009	1
22	MP1A	X	-14.486	5
23	MP1A	Z	25.09	5
24	MP1A	Mx	-.009	5
25	MP1B	X	-10.979	1
26	MP1B	Z	19.016	1
27	MP1B	Mx	-.011	1
28	MP1B	X	-10.979	5
29	MP1B	Z	19.016	5
30	MP1B	Mx	-.011	5
31	MP1C	X	-14.486	1
32	MP1C	Z	25.09	1
33	MP1C	Mx	.024	1
34	MP1C	X	-14.486	5
35	MP1C	Z	25.09	5
36	MP1C	Mx	.024	5
37	MP4A	X	-7.076	.25
38	MP4A	Z	12.255	.25
39	MP4A	Mx	.004	.25
40	MP4A	X	-7.076	3.75
41	MP4A	Z	12.255	3.75
42	MP4A	Mx	.004	3.75
43	MP4B	X	-6.053	.25
44	MP4B	Z	10.483	.25
45	MP4B	Mx	-.006	.25
46	MP4B	X	-6.053	3.75
47	MP4B	Z	10.483	3.75
48	MP4B	Mx	-.006	3.75
49	MP4C	X	-7.076	.25
50	MP4C	Z	12.255	.25
51	MP4C	Mx	.004	.25
52	MP4C	X	-7.076	3.75
53	MP4C	Z	12.255	3.75
54	MP4C	Mx	.004	3.75
55	MP4A	X	-1.631	2
56	MP4A	Z	2.826	2
57	MP4A	Mx	-.000815	2
58	MP4B	X	-.818	2
59	MP4B	Z	1.417	2
60	MP4B	Mx	.000818	2
61	MP4C	X	-1.631	2
62	MP4C	Z	2.826	2
63	MP4C	Mx	-.000816	2
64	MP1A	X	-7.522	3
65	MP1A	Z	13.028	3
66	MP1A	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
67	MP1B	X	-5.741	3
68	MP1B	Z	9.943	3
69	MP1B	Mx	.006	3
70	MP1C	X	-7.522	3
71	MP1C	Z	13.028	3
72	MP1C	Mx	-.004	3
73	MP2A	X	-7.296	3
74	MP2A	Z	12.637	3
75	MP2A	Mx	-.004	3
76	MP2B	X	-4.838	3
77	MP2B	Z	8.38	3
78	MP2B	Mx	.005	3
79	MP2C	X	-7.296	3
80	MP2C	Z	12.637	3
81	MP2C	Mx	-.004	3
82	MP3C	X	-10.373	1
83	MP3C	Z	17.966	1
84	MP3C	Mx	-.005	1
85	MP4C	X	-10.373	1
86	MP4C	Z	17.966	1
87	MP4C	Mx	-.005	1
88	MP3A	X	-3.599	5
89	MP3A	Z	6.234	5
90	MP3A	Mx	.002	5
91	MP3B	X	-1.442	5
92	MP3B	Z	2.498	5
93	MP3B	Mx	-.001	5
94	MP3C	X	-3.599	5
95	MP3C	Z	6.234	5
96	MP3C	Mx	.002	5
97	MP3A	X	-8.09	.25
98	MP3A	Z	14.013	.25
99	MP3A	Mx	.004	.25
100	MP3A	X	-8.09	2.25
101	MP3A	Z	14.013	2.25
102	MP3A	Mx	.004	2.25
103	MP3B	X	-4.153	.25
104	MP3B	Z	7.194	.25
105	MP3B	Mx	-.004	.25
106	MP3B	X	-4.153	2.25
107	MP3B	Z	7.194	2.25
108	MP3B	Mx	-.004	2.25
109	MP3C	X	-8.09	.25
110	MP3C	Z	14.013	.25
111	MP3C	Mx	.004	.25
112	MP3C	X	-8.09	2.25
113	MP3C	Z	14.013	2.25
114	MP3C	Mx	.004	2.25
115	M26	X	-3.466	.5
116	M26	Z	6.004	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-21.041	1
2	MP1A	Z	12.148	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
3	MP1A	Mx	.019	1
4	MP1A	X	-21.041	5
5	MP1A	Z	12.148	5
6	MP1A	Mx	.019	5
7	MP1B	X	-21.041	1
8	MP1B	Z	12.148	1
9	MP1B	Mx	-.002	1
10	MP1B	X	-21.041	5
11	MP1B	Z	12.148	5
12	MP1B	Mx	-.002	5
13	MP1C	X	-27.115	1
14	MP1C	Z	15.655	1
15	MP1C	Mx	-.021	1
16	MP1C	X	-27.115	5
17	MP1C	Z	15.655	5
18	MP1C	Mx	-.021	5
19	MP1A	X	-21.041	1
20	MP1A	Z	12.148	1
21	MP1A	Mx	.002	1
22	MP1A	X	-21.041	5
23	MP1A	Z	12.148	5
24	MP1A	Mx	.002	5
25	MP1B	X	-21.041	1
26	MP1B	Z	12.148	1
27	MP1B	Mx	-.019	1
28	MP1B	X	-21.041	5
29	MP1B	Z	12.148	5
30	MP1B	Mx	-.019	5
31	MP1C	X	-27.115	1
32	MP1C	Z	15.655	1
33	MP1C	Mx	.021	1
34	MP1C	X	-27.115	5
35	MP1C	Z	15.655	5
36	MP1C	Mx	.021	5
37	MP4A	X	-11.074	.25
38	MP4A	Z	6.394	.25
39	MP4A	Mx	.006	.25
40	MP4A	X	-11.074	3.75
41	MP4A	Z	6.394	3.75
42	MP4A	Mx	.006	3.75
43	MP4B	X	-11.074	.25
44	MP4B	Z	6.394	.25
45	MP4B	Mx	-.006	.25
46	MP4B	X	-11.074	3.75
47	MP4B	Z	6.394	3.75
48	MP4B	Mx	-.006	3.75
49	MP4C	X	-12.846	.25
50	MP4C	Z	7.416	.25
51	MP4C	Mx	0	.25
52	MP4C	X	-12.846	3.75
53	MP4C	Z	7.416	3.75
54	MP4C	Mx	0	3.75
55	MP4A	X	-1.887	2
56	MP4A	Z	1.089	2
57	MP4A	Mx	-.000943	2
58	MP4B	X	-1.887	2
59	MP4B	Z	1.089	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP4B	Mx	.000943	2
61	MP4C	X	-3.295	2
62	MP4C	Z	1.902	2
63	MP4C	Mx	0	2
64	MP1A	X	-10.971	3
65	MP1A	Z	6.334	3
66	MP1A	Mx	-.005	3
67	MP1B	X	-10.971	3
68	MP1B	Z	6.334	3
69	MP1B	Mx	.005	3
70	MP1C	X	-14.056	3
71	MP1C	Z	8.115	3
72	MP1C	Mx	0	3
73	MP2A	X	-9.799	3
74	MP2A	Z	5.658	3
75	MP2A	Mx	-.005	3
76	MP2B	X	-9.799	3
77	MP2B	Z	5.658	3
78	MP2B	Mx	.005	3
79	MP2C	X	-14.056	3
80	MP2C	Z	8.115	3
81	MP2C	Mx	0	3
82	MP3C	X	-18.962	1
83	MP3C	Z	10.948	1
84	MP3C	Mx	0	1
85	MP4C	X	-18.962	1
86	MP4C	Z	10.948	1
87	MP4C	Mx	0	1
88	MP3A	X	-3.743	5
89	MP3A	Z	2.161	5
90	MP3A	Mx	.002	5
91	MP3B	X	-3.743	5
92	MP3B	Z	2.161	5
93	MP3B	Mx	-.002	5
94	MP3C	X	-7.479	5
95	MP3C	Z	4.318	5
96	MP3C	Mx	0	5
97	MP3A	X	-9.467	.25
98	MP3A	Z	5.466	.25
99	MP3A	Mx	.005	.25
100	MP3A	X	-9.467	2.25
101	MP3A	Z	5.466	2.25
102	MP3A	Mx	.005	2.25
103	MP3B	X	-9.467	.25
104	MP3B	Z	5.466	.25
105	MP3B	Mx	-.005	.25
106	MP3B	X	-9.467	2.25
107	MP3B	Z	5.466	2.25
108	MP3B	Mx	-.005	2.25
109	MP3C	X	-16.286	.25
110	MP3C	Z	9.403	.25
111	MP3C	Mx	0	.25
112	MP3C	X	-16.286	2.25
113	MP3C	Z	9.403	2.25
114	MP3C	Mx	0	2.25
115	M26	X	-5.496	.5
116	M26	Z	3.173	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-21.958	1
2	MP1A	Z	0	1
3	MP1A	Mx	.011	1
4	MP1A	X	-21.958	5
5	MP1A	Z	0	5
6	MP1A	Mx	.011	5
7	MP1B	X	-28.972	1
8	MP1B	Z	0	1
9	MP1B	Mx	.009	1
10	MP1B	X	-28.972	5
11	MP1B	Z	0	5
12	MP1B	Mx	.009	5
13	MP1C	X	-28.972	1
14	MP1C	Z	0	1
15	MP1C	Mx	-.024	1
16	MP1C	X	-28.972	5
17	MP1C	Z	0	5
18	MP1C	Mx	-.024	5
19	MP1A	X	-21.958	1
20	MP1A	Z	0	1
21	MP1A	Mx	.011	1
22	MP1A	X	-21.958	5
23	MP1A	Z	0	5
24	MP1A	Mx	.011	5
25	MP1B	X	-28.972	1
26	MP1B	Z	0	1
27	MP1B	Mx	-.024	1
28	MP1B	X	-28.972	5
29	MP1B	Z	0	5
30	MP1B	Mx	-.024	5
31	MP1C	X	-28.972	1
32	MP1C	Z	0	1
33	MP1C	Mx	.009	1
34	MP1C	X	-28.972	5
35	MP1C	Z	0	5
36	MP1C	Mx	.009	5
37	MP4A	X	-12.105	.25
38	MP4A	Z	0	.25
39	MP4A	Mx	.006	.25
40	MP4A	X	-12.105	3.75
41	MP4A	Z	0	3.75
42	MP4A	Mx	.006	3.75
43	MP4B	X	-14.151	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	-.004	.25
46	MP4B	X	-14.151	3.75
47	MP4B	Z	0	3.75
48	MP4B	Mx	-.004	3.75
49	MP4C	X	-14.151	.25
50	MP4C	Z	0	.25
51	MP4C	Mx	-.004	.25
52	MP4C	X	-14.151	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	0	3.75
54	MP4C	Mx	-.004	3.75
55	MP4A	X	-1.636	2
56	MP4A	Z	0	2
57	MP4A	Mx	-.000818	2
58	MP4B	X	-3.263	2
59	MP4B	Z	0	2
60	MP4B	Mx	.000816	2
61	MP4C	X	-3.263	2
62	MP4C	Z	0	2
63	MP4C	Mx	.000816	2
64	MP1A	X	-11.481	3
65	MP1A	Z	0	3
66	MP1A	Mx	-.006	3
67	MP1B	X	-15.044	3
68	MP1B	Z	0	3
69	MP1B	Mx	.004	3
70	MP1C	X	-15.044	3
71	MP1C	Z	0	3
72	MP1C	Mx	.004	3
73	MP2A	X	-9.676	3
74	MP2A	Z	0	3
75	MP2A	Mx	-.005	3
76	MP2B	X	-14.592	3
77	MP2B	Z	0	3
78	MP2B	Mx	.004	3
79	MP2C	X	-14.592	3
80	MP2C	Z	0	3
81	MP2C	Mx	.004	3
82	MP3C	X	-20.745	1
83	MP3C	Z	0	1
84	MP3C	Mx	.005	1
85	MP4C	X	-20.745	1
86	MP4C	Z	0	1
87	MP4C	Mx	.005	1
88	MP3A	X	-2.884	5
89	MP3A	Z	0	5
90	MP3A	Mx	.001	5
91	MP3B	X	-7.198	5
92	MP3B	Z	0	5
93	MP3B	Mx	-.002	5
94	MP3C	X	-7.198	5
95	MP3C	Z	0	5
96	MP3C	Mx	-.002	5
97	MP3A	X	-8.307	.25
98	MP3A	Z	0	.25
99	MP3A	Mx	.004	.25
100	MP3A	X	-8.307	2.25
101	MP3A	Z	0	2.25
102	MP3A	Mx	.004	2.25
103	MP3B	X	-16.181	.25
104	MP3B	Z	0	.25
105	MP3B	Mx	-.004	.25
106	MP3B	X	-16.181	2.25
107	MP3B	Z	0	2.25
108	MP3B	Mx	-.004	2.25
109	MP3C	X	-16.181	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP3C	Z	0	.25
111	MP3C	Mx	-.004	.25
112	MP3C	X	-16.181	2.25
113	MP3C	Z	0	2.25
114	MP3C	Mx	-.004	2.25
115	M26	X	-6.933	.5
116	M26	Z	0	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-21.041	1
2	MP1A	Z	-12.148	1
3	MP1A	Mx	.002	1
4	MP1A	X	-21.041	5
5	MP1A	Z	-12.148	5
6	MP1A	Mx	.002	5
7	MP1B	X	-27.115	1
8	MP1B	Z	-15.655	1
9	MP1B	Mx	.021	1
10	MP1B	X	-27.115	5
11	MP1B	Z	-15.655	5
12	MP1B	Mx	.021	5
13	MP1C	X	-21.041	1
14	MP1C	Z	-12.148	1
15	MP1C	Mx	-.019	1
16	MP1C	X	-21.041	5
17	MP1C	Z	-12.148	5
18	MP1C	Mx	-.019	5
19	MP1A	X	-21.041	1
20	MP1A	Z	-12.148	1
21	MP1A	Mx	.019	1
22	MP1A	X	-21.041	5
23	MP1A	Z	-12.148	5
24	MP1A	Mx	.019	5
25	MP1B	X	-27.115	1
26	MP1B	Z	-15.655	1
27	MP1B	Mx	-.021	1
28	MP1B	X	-27.115	5
29	MP1B	Z	-15.655	5
30	MP1B	Mx	-.021	5
31	MP1C	X	-21.041	1
32	MP1C	Z	-12.148	1
33	MP1C	Mx	-.002	1
34	MP1C	X	-21.041	5
35	MP1C	Z	-12.148	5
36	MP1C	Mx	-.002	5
37	MP4A	X	-11.074	.25
38	MP4A	Z	-6.394	.25
39	MP4A	Mx	.006	.25
40	MP4A	X	-11.074	3.75
41	MP4A	Z	-6.394	3.75
42	MP4A	Mx	.006	3.75
43	MP4B	X	-12.846	.25
44	MP4B	Z	-7.416	.25
45	MP4B	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	-12.846	3.75
47	MP4B	Z	-7.416	3.75
48	MP4B	Mx	0	3.75
49	MP4C	X	-11.074	.25
50	MP4C	Z	-6.394	.25
51	MP4C	Mx	-.006	.25
52	MP4C	X	-11.074	3.75
53	MP4C	Z	-6.394	3.75
54	MP4C	Mx	-.006	3.75
55	MP4A	X	-1.887	2
56	MP4A	Z	-1.089	2
57	MP4A	Mx	-.000943	2
58	MP4B	X	-3.295	2
59	MP4B	Z	-1.902	2
60	MP4B	Mx	0	2
61	MP4C	X	-1.887	2
62	MP4C	Z	-1.089	2
63	MP4C	Mx	.000943	2
64	MP1A	X	-10.971	3
65	MP1A	Z	-6.334	3
66	MP1A	Mx	-.005	3
67	MP1B	X	-14.056	3
68	MP1B	Z	-8.115	3
69	MP1B	Mx	0	3
70	MP1C	X	-10.971	3
71	MP1C	Z	-6.334	3
72	MP1C	Mx	.005	3
73	MP2A	X	-9.799	3
74	MP2A	Z	-5.658	3
75	MP2A	Mx	-.005	3
76	MP2B	X	-14.056	3
77	MP2B	Z	-8.115	3
78	MP2B	Mx	0	3
79	MP2C	X	-9.799	3
80	MP2C	Z	-5.658	3
81	MP2C	Mx	.005	3
82	MP3C	X	-15.973	1
83	MP3C	Z	-9.222	1
84	MP3C	Mx	.008	1
85	MP4C	X	-15.973	1
86	MP4C	Z	-9.222	1
87	MP4C	Mx	.008	1
88	MP3A	X	-3.743	5
89	MP3A	Z	-2.161	5
90	MP3A	Mx	.002	5
91	MP3B	X	-7.479	5
92	MP3B	Z	-4.318	5
93	MP3B	Mx	0	5
94	MP3C	X	-3.743	5
95	MP3C	Z	-2.161	5
96	MP3C	Mx	-.002	5
97	MP3A	X	-9.467	.25
98	MP3A	Z	-5.466	.25
99	MP3A	Mx	.005	.25
100	MP3A	X	-9.467	2.25
101	MP3A	Z	-5.466	2.25
102	MP3A	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
103	MP3B	X	-16.286	.25
104	MP3B	Z	-9.403	.25
105	MP3B	Mx	0	.25
106	MP3B	X	-16.286	2.25
107	MP3B	Z	-9.403	2.25
108	MP3B	Mx	0	2.25
109	MP3C	X	-9.467	.25
110	MP3C	Z	-5.466	.25
111	MP3C	Mx	-.005	.25
112	MP3C	X	-9.467	2.25
113	MP3C	Z	-5.466	2.25
114	MP3C	Mx	-.005	2.25
115	M26	X	-7.019	.5
116	M26	Z	-4.053	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-14.486	1
2	MP1A	Z	-25.09	1
3	MP1A	Mx	-.009	1
4	MP1A	X	-14.486	5
5	MP1A	Z	-25.09	5
6	MP1A	Mx	-.009	5
7	MP1B	X	-14.486	1
8	MP1B	Z	-25.09	1
9	MP1B	Mx	.024	1
10	MP1B	X	-14.486	5
11	MP1B	Z	-25.09	5
12	MP1B	Mx	.024	5
13	MP1C	X	-10.979	1
14	MP1C	Z	-19.016	1
15	MP1C	Mx	-.011	1
16	MP1C	X	-10.979	5
17	MP1C	Z	-19.016	5
18	MP1C	Mx	-.011	5
19	MP1A	X	-14.486	1
20	MP1A	Z	-25.09	1
21	MP1A	Mx	.024	1
22	MP1A	X	-14.486	5
23	MP1A	Z	-25.09	5
24	MP1A	Mx	.024	5
25	MP1B	X	-14.486	1
26	MP1B	Z	-25.09	1
27	MP1B	Mx	-.009	1
28	MP1B	X	-14.486	5
29	MP1B	Z	-25.09	5
30	MP1B	Mx	-.009	5
31	MP1C	X	-10.979	1
32	MP1C	Z	-19.016	1
33	MP1C	Mx	-.011	1
34	MP1C	X	-10.979	5
35	MP1C	Z	-19.016	5
36	MP1C	Mx	-.011	5
37	MP4A	X	-7.076	.25
38	MP4A	Z	-12.255	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
39	MP4A	Mx	.004	.25
40	MP4A	X	-7.076	3.75
41	MP4A	Z	-12.255	3.75
42	MP4A	Mx	.004	3.75
43	MP4B	X	-7.076	.25
44	MP4B	Z	-12.255	.25
45	MP4B	Mx	.004	.25
46	MP4B	X	-7.076	3.75
47	MP4B	Z	-12.255	3.75
48	MP4B	Mx	.004	3.75
49	MP4C	X	-6.053	.25
50	MP4C	Z	-10.483	.25
51	MP4C	Mx	-.006	.25
52	MP4C	X	-6.053	3.75
53	MP4C	Z	-10.483	3.75
54	MP4C	Mx	-.006	3.75
55	MP4A	X	-1.631	2
56	MP4A	Z	-2.826	2
57	MP4A	Mx	-.000815	2
58	MP4B	X	-1.631	2
59	MP4B	Z	-2.826	2
60	MP4B	Mx	-.000816	2
61	MP4C	X	-.818	2
62	MP4C	Z	-1.417	2
63	MP4C	Mx	.000818	2
64	MP1A	X	-7.522	3
65	MP1A	Z	-13.028	3
66	MP1A	Mx	-.004	3
67	MP1B	X	-7.522	3
68	MP1B	Z	-13.028	3
69	MP1B	Mx	-.004	3
70	MP1C	X	-5.741	3
71	MP1C	Z	-9.943	3
72	MP1C	Mx	.006	3
73	MP2A	X	-7.296	3
74	MP2A	Z	-12.637	3
75	MP2A	Mx	-.004	3
76	MP2B	X	-7.296	3
77	MP2B	Z	-12.637	3
78	MP2B	Mx	-.004	3
79	MP2C	X	-4.838	3
80	MP2C	Z	-8.38	3
81	MP2C	Mx	.005	3
82	MP3C	X	-8.647	1
83	MP3C	Z	-14.977	1
84	MP3C	Mx	.009	1
85	MP4C	X	-8.647	1
86	MP4C	Z	-14.977	1
87	MP4C	Mx	.009	1
88	MP3A	X	-3.599	5
89	MP3A	Z	-6.234	5
90	MP3A	Mx	.002	5
91	MP3B	X	-3.599	5
92	MP3B	Z	-6.234	5
93	MP3B	Mx	.002	5
94	MP3C	X	-1.442	5
95	MP3C	Z	-2.498	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
96	MP3C	Mx	-.001	5
97	MP3A	X	-8.09	.25
98	MP3A	Z	-14.013	.25
99	MP3A	Mx	.004	.25
100	MP3A	X	-8.09	2.25
101	MP3A	Z	-14.013	2.25
102	MP3A	Mx	.004	2.25
103	MP3B	X	-8.09	.25
104	MP3B	Z	-14.013	.25
105	MP3B	Mx	.004	.25
106	MP3B	X	-8.09	2.25
107	MP3B	Z	-14.013	2.25
108	MP3B	Mx	.004	2.25
109	MP3C	X	-4.153	.25
110	MP3C	Z	-7.194	.25
111	MP3C	Mx	-.004	.25
112	MP3C	X	-4.153	2.25
113	MP3C	Z	-7.194	2.25
114	MP3C	Mx	-.004	2.25
115	M26	X	-4.346	.5
116	M26	Z	-7.527	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	-9.793	1
3	MP1A	Mx	-.007	1
4	MP1A	X	0	5
5	MP1A	Z	-9.793	5
6	MP1A	Mx	-.007	5
7	MP1B	X	0	1
8	MP1B	Z	-7.304	1
9	MP1B	Mx	.006	1
10	MP1B	X	0	5
11	MP1B	Z	-7.304	5
12	MP1B	Mx	.006	5
13	MP1C	X	0	1
14	MP1C	Z	-7.304	1
15	MP1C	Mx	-.000728	1
16	MP1C	X	0	5
17	MP1C	Z	-7.304	5
18	MP1C	Mx	-.000728	5
19	MP1A	X	0	1
20	MP1A	Z	-9.793	1
21	MP1A	Mx	.007	1
22	MP1A	X	0	5
23	MP1A	Z	-9.793	5
24	MP1A	Mx	.007	5
25	MP1B	X	0	1
26	MP1B	Z	-7.304	1
27	MP1B	Mx	.000728	1
28	MP1B	X	0	5
29	MP1B	Z	-7.304	5
30	MP1B	Mx	.000728	5
31	MP1C	X	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
32	MP1C	Z	-7.304	1
33	MP1C	Mx	-.006	1
34	MP1C	X	0	5
35	MP1C	Z	-7.304	5
36	MP1C	Mx	-.006	5
37	MP4A	X	0	.25
38	MP4A	Z	-4.315	.25
39	MP4A	Mx	0	.25
40	MP4A	X	0	3.75
41	MP4A	Z	-4.315	3.75
42	MP4A	Mx	0	3.75
43	MP4B	X	0	.25
44	MP4B	Z	-3.617	.25
45	MP4B	Mx	.002	.25
46	MP4B	X	0	3.75
47	MP4B	Z	-3.617	3.75
48	MP4B	Mx	.002	3.75
49	MP4C	X	0	.25
50	MP4C	Z	-3.617	.25
51	MP4C	Mx	-.002	.25
52	MP4C	X	0	3.75
53	MP4C	Z	-3.617	3.75
54	MP4C	Mx	-.002	3.75
55	MP4A	X	0	2
56	MP4A	Z	-.873	2
57	MP4A	Mx	0	2
58	MP4B	X	0	2
59	MP4B	Z	-.357	2
60	MP4B	Mx	-.000155	2
61	MP4C	X	0	2
62	MP4C	Z	-.357	2
63	MP4C	Mx	.000155	2
64	MP1A	X	0	3
65	MP1A	Z	-4.533	3
66	MP1A	Mx	0	3
67	MP1B	X	0	3
68	MP1B	Z	-3.406	3
69	MP1B	Mx	-.001	3
70	MP1C	X	0	3
71	MP1C	Z	-3.406	3
72	MP1C	Mx	.001	3
73	MP2A	X	0	3
74	MP2A	Z	-4.533	3
75	MP2A	Mx	0	3
76	MP2B	X	0	3
77	MP2B	Z	-2.974	3
78	MP2B	Mx	-.001	3
79	MP2C	X	0	3
80	MP2C	Z	-2.974	3
81	MP2C	Mx	.001	3
82	MP3C	X	0	1
83	MP3C	Z	-5.161	1
84	MP3C	Mx	.002	1
85	MP4C	X	0	1
86	MP4C	Z	-5.161	1
87	MP4C	Mx	.002	1
88	MP3A	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
89	MP3A	Z	-2.157	5
90	MP3A	Mx	0	5
91	MP3B	X	0	5
92	MP3B	Z	-.857	5
93	MP3B	Mx	.000371	5
94	MP3C	X	0	5
95	MP3C	Z	-.857	5
96	MP3C	Mx	-.000371	5
97	MP3A	X	0	.25
98	MP3A	Z	-5.697	.25
99	MP3A	Mx	0	.25
100	MP3A	X	0	2.25
101	MP3A	Z	-5.697	2.25
102	MP3A	Mx	0	2.25
103	MP3B	X	0	.25
104	MP3B	Z	-3.097	.25
105	MP3B	Mx	.001	.25
106	MP3B	X	0	2.25
107	MP3B	Z	-3.097	2.25
108	MP3B	Mx	.001	2.25
109	MP3C	X	0	.25
110	MP3C	Z	-3.097	.25
111	MP3C	Mx	-.001	.25
112	MP3C	X	0	2.25
113	MP3C	Z	-3.097	2.25
114	MP3C	Mx	-.001	2.25
115	M26	X	0	.5
116	M26	Z	-2.182	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	4.482	1
2	MP1A	Z	-7.763	1
3	MP1A	Mx	-.007	1
4	MP1A	X	4.482	5
5	MP1A	Z	-7.763	5
6	MP1A	Mx	-.007	5
7	MP1B	X	3.237	1
8	MP1B	Z	-5.607	1
9	MP1B	Mx	.003	1
10	MP1B	X	3.237	5
11	MP1B	Z	-5.607	5
12	MP1B	Mx	.003	5
13	MP1C	X	4.482	1
14	MP1C	Z	-7.763	1
15	MP1C	Mx	.003	1
16	MP1C	X	4.482	5
17	MP1C	Z	-7.763	5
18	MP1C	Mx	.003	5
19	MP1A	X	4.482	1
20	MP1A	Z	-7.763	1
21	MP1A	Mx	.003	1
22	MP1A	X	4.482	5
23	MP1A	Z	-7.763	5
24	MP1A	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP1B	X	3.237	1
26	MP1B	Z	-5.607	1
27	MP1B	Mx	.003	1
28	MP1B	X	3.237	5
29	MP1B	Z	-5.607	5
30	MP1B	Mx	.003	5
31	MP1C	X	4.482	1
32	MP1C	Z	-7.763	1
33	MP1C	Mx	-.007	1
34	MP1C	X	4.482	5
35	MP1C	Z	-7.763	5
36	MP1C	Mx	-.007	5
37	MP4A	X	2.041	.25
38	MP4A	Z	-3.535	.25
39	MP4A	Mx	-.001	.25
40	MP4A	X	2.041	3.75
41	MP4A	Z	-3.535	3.75
42	MP4A	Mx	-.001	3.75
43	MP4B	X	1.692	.25
44	MP4B	Z	-2.931	.25
45	MP4B	Mx	.002	.25
46	MP4B	X	1.692	3.75
47	MP4B	Z	-2.931	3.75
48	MP4B	Mx	.002	3.75
49	MP4C	X	2.041	.25
50	MP4C	Z	-3.535	.25
51	MP4C	Mx	-.001	.25
52	MP4C	X	2.041	3.75
53	MP4C	Z	-3.535	3.75
54	MP4C	Mx	-.001	3.75
55	MP4A	X	.35	2
56	MP4A	Z	-.607	2
57	MP4A	Mx	.000175	2
58	MP4B	X	.092	2
59	MP4B	Z	-.16	2
60	MP4B	Mx	-9.2e-5	2
61	MP4C	X	.35	2
62	MP4C	Z	-.607	2
63	MP4C	Mx	.000175	2
64	MP1A	X	2.079	3
65	MP1A	Z	-3.6	3
66	MP1A	Mx	.001	3
67	MP1B	X	1.515	3
68	MP1B	Z	-2.624	3
69	MP1B	Mx	-.002	3
70	MP1C	X	2.079	3
71	MP1C	Z	-3.6	3
72	MP1C	Mx	.001	3
73	MP2A	X	2.007	3
74	MP2A	Z	-3.476	3
75	MP2A	Mx	.001	3
76	MP2B	X	1.227	3
77	MP2B	Z	-2.126	3
78	MP2B	Mx	-.001	3
79	MP2C	X	2.007	3
80	MP2C	Z	-3.476	3
81	MP2C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP3C	X	2.88	1
83	MP3C	Z	-4.989	1
84	MP3C	Mx	.001	1
85	MP4C	X	2.88	1
86	MP4C	Z	-4.989	1
87	MP4C	Mx	.001	1
88	MP3A	X	.862	5
89	MP3A	Z	-1.493	5
90	MP3A	Mx	-.000431	5
91	MP3B	X	.212	5
92	MP3B	Z	-.366	5
93	MP3B	Mx	.000211	5
94	MP3C	X	.862	5
95	MP3C	Z	-1.493	5
96	MP3C	Mx	-.000431	5
97	MP3A	X	2.415	.25
98	MP3A	Z	-4.183	.25
99	MP3A	Mx	-.001	.25
100	MP3A	X	2.415	2.25
101	MP3A	Z	-4.183	2.25
102	MP3A	Mx	-.001	2.25
103	MP3B	X	1.115	.25
104	MP3B	Z	-1.931	.25
105	MP3B	Mx	.001	.25
106	MP3B	X	1.115	2.25
107	MP3B	Z	-1.931	2.25
108	MP3B	Mx	.001	2.25
109	MP3C	X	2.415	.25
110	MP3C	Z	-4.183	.25
111	MP3C	Mx	-.001	.25
112	MP3C	X	2.415	2.25
113	MP3C	Z	-4.183	2.25
114	MP3C	Mx	-.001	2.25
115	M26	X	.848	.5
116	M26	Z	-1.47	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	6.325	1
2	MP1A	Z	-3.652	1
3	MP1A	Mx	-.006	1
4	MP1A	X	6.325	5
5	MP1A	Z	-3.652	5
6	MP1A	Mx	-.006	5
7	MP1B	X	6.325	1
8	MP1B	Z	-3.652	1
9	MP1B	Mx	.000728	1
10	MP1B	X	6.325	5
11	MP1B	Z	-3.652	5
12	MP1B	Mx	.000728	5
13	MP1C	X	8.481	1
14	MP1C	Z	-4.897	1
15	MP1C	Mx	.007	1
16	MP1C	X	8.481	5
17	MP1C	Z	-4.897	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1C	Mx	.007	5
19	MP1A	X	6.325	1
20	MP1A	Z	-3.652	1
21	MP1A	Mx	-.000728	1
22	MP1A	X	6.325	5
23	MP1A	Z	-3.652	5
24	MP1A	Mx	-.000728	5
25	MP1B	X	6.325	1
26	MP1B	Z	-3.652	1
27	MP1B	Mx	.006	1
28	MP1B	X	6.325	5
29	MP1B	Z	-3.652	5
30	MP1B	Mx	.006	5
31	MP1C	X	8.481	1
32	MP1C	Z	-4.897	1
33	MP1C	Mx	-.007	1
34	MP1C	X	8.481	5
35	MP1C	Z	-4.897	5
36	MP1C	Mx	-.007	5
37	MP4A	X	3.133	.25
38	MP4A	Z	-1.809	.25
39	MP4A	Mx	-.002	.25
40	MP4A	X	3.133	3.75
41	MP4A	Z	-1.809	3.75
42	MP4A	Mx	-.002	3.75
43	MP4B	X	3.133	.25
44	MP4B	Z	-1.809	.25
45	MP4B	Mx	.002	.25
46	MP4B	X	3.133	3.75
47	MP4B	Z	-1.809	3.75
48	MP4B	Mx	.002	3.75
49	MP4C	X	3.737	.25
50	MP4C	Z	-2.157	.25
51	MP4C	Mx	0	.25
52	MP4C	X	3.737	3.75
53	MP4C	Z	-2.157	3.75
54	MP4C	Mx	0	3.75
55	MP4A	X	.309	2
56	MP4A	Z	-.178	2
57	MP4A	Mx	.000155	2
58	MP4B	X	.309	2
59	MP4B	Z	-.178	2
60	MP4B	Mx	-.000154	2
61	MP4C	X	.756	2
62	MP4C	Z	-.436	2
63	MP4C	Mx	0	2
64	MP1A	X	2.95	3
65	MP1A	Z	-1.703	3
66	MP1A	Mx	.001	3
67	MP1B	X	2.95	3
68	MP1B	Z	-1.703	3
69	MP1B	Mx	-.001	3
70	MP1C	X	3.926	3
71	MP1C	Z	-2.266	3
72	MP1C	Mx	0	3
73	MP2A	X	2.576	3
74	MP2A	Z	-1.487	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
75	MP2A	Mx	.001	3
76	MP2B	X	2.576	3
77	MP2B	Z	-1.487	3
78	MP2B	Mx	-.001	3
79	MP2C	X	3.926	3
80	MP2C	Z	-2.266	3
81	MP2C	Mx	0	3
82	MP3C	X	5.248	1
83	MP3C	Z	-3.03	1
84	MP3C	Mx	0	1
85	MP4C	X	5.248	1
86	MP4C	Z	-3.03	1
87	MP4C	Mx	0	1
88	MP3A	X	.742	5
89	MP3A	Z	-.428	5
90	MP3A	Mx	-.000371	5
91	MP3B	X	.742	5
92	MP3B	Z	-.428	5
93	MP3B	Mx	.000371	5
94	MP3C	X	1.868	5
95	MP3C	Z	-1.079	5
96	MP3C	Mx	0	5
97	MP3A	X	2.682	.25
98	MP3A	Z	-1.548	.25
99	MP3A	Mx	-.001	.25
100	MP3A	X	2.682	2.25
101	MP3A	Z	-1.548	2.25
102	MP3A	Mx	-.001	2.25
103	MP3B	X	2.682	.25
104	MP3B	Z	-1.548	.25
105	MP3B	Mx	.001	.25
106	MP3B	X	2.682	2.25
107	MP3B	Z	-1.548	2.25
108	MP3B	Mx	.001	2.25
109	MP3C	X	4.933	.25
110	MP3C	Z	-2.848	.25
111	MP3C	Mx	0	.25
112	MP3C	X	4.933	2.25
113	MP3C	Z	-2.848	2.25
114	MP3C	Mx	0	2.25
115	M26	X	1.26	.5
116	M26	Z	-.727	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	6.474	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.003	1
4	MP1A	X	6.474	5
5	MP1A	Z	0	5
6	MP1A	Mx	-.003	5
7	MP1B	X	8.963	1
8	MP1B	Z	0	1
9	MP1B	Mx	-.003	1
10	MP1B	X	8.963	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
11	MP1B	Z	0	5
12	MP1B	Mx	-.003	5
13	MP1C	X	8.963	1
14	MP1C	Z	0	1
15	MP1C	Mx	.007	1
16	MP1C	X	8.963	5
17	MP1C	Z	0	5
18	MP1C	Mx	.007	5
19	MP1A	X	6.474	1
20	MP1A	Z	0	1
21	MP1A	Mx	-.003	1
22	MP1A	X	6.474	5
23	MP1A	Z	0	5
24	MP1A	Mx	-.003	5
25	MP1B	X	8.963	1
26	MP1B	Z	0	1
27	MP1B	Mx	.007	1
28	MP1B	X	8.963	5
29	MP1B	Z	0	5
30	MP1B	Mx	.007	5
31	MP1C	X	8.963	1
32	MP1C	Z	0	1
33	MP1C	Mx	-.003	1
34	MP1C	X	8.963	5
35	MP1C	Z	0	5
36	MP1C	Mx	-.003	5
37	MP4A	X	3.385	.25
38	MP4A	Z	0	.25
39	MP4A	Mx	-.002	.25
40	MP4A	X	3.385	3.75
41	MP4A	Z	0	3.75
42	MP4A	Mx	-.002	3.75
43	MP4B	X	4.082	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	.001	.25
46	MP4B	X	4.082	3.75
47	MP4B	Z	0	3.75
48	MP4B	Mx	.001	3.75
49	MP4C	X	4.082	.25
50	MP4C	Z	0	.25
51	MP4C	Mx	.001	.25
52	MP4C	X	4.082	3.75
53	MP4C	Z	0	3.75
54	MP4C	Mx	.001	3.75
55	MP4A	X	.185	2
56	MP4A	Z	0	2
57	MP4A	Mx	9.2e-5	2
58	MP4B	X	.701	2
59	MP4B	Z	0	2
60	MP4B	Mx	-.000175	2
61	MP4C	X	.701	2
62	MP4C	Z	0	2
63	MP4C	Mx	-.000175	2
64	MP1A	X	3.03	3
65	MP1A	Z	0	3
66	MP1A	Mx	.002	3
67	MP1B	X	4.157	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
68	MP1B	Z	0	3
69	MP1B	Mx	-.001	3
70	MP1C	X	4.157	3
71	MP1C	Z	0	3
72	MP1C	Mx	-.001	3
73	MP2A	X	2.454	3
74	MP2A	Z	0	3
75	MP2A	Mx	.001	3
76	MP2B	X	4.013	3
77	MP2B	Z	0	3
78	MP2B	Mx	-.001	3
79	MP2C	X	4.013	3
80	MP2C	Z	0	3
81	MP2C	Mx	-.001	3
82	MP3C	X	5.76	1
83	MP3C	Z	0	1
84	MP3C	Mx	-.001	1
85	MP4C	X	5.76	1
86	MP4C	Z	0	1
87	MP4C	Mx	-.001	1
88	MP3A	X	.423	5
89	MP3A	Z	0	5
90	MP3A	Mx	-.000212	5
91	MP3B	X	1.724	5
92	MP3B	Z	0	5
93	MP3B	Mx	.000431	5
94	MP3C	X	1.724	5
95	MP3C	Z	0	5
96	MP3C	Mx	.000431	5
97	MP3A	X	2.23	.25
98	MP3A	Z	0	.25
99	MP3A	Mx	-.001	.25
100	MP3A	X	2.23	2.25
101	MP3A	Z	0	2.25
102	MP3A	Mx	-.001	2.25
103	MP3B	X	4.83	.25
104	MP3B	Z	0	.25
105	MP3B	Mx	.001	.25
106	MP3B	X	4.83	2.25
107	MP3B	Z	0	2.25
108	MP3B	Mx	.001	2.25
109	MP3C	X	4.83	.25
110	MP3C	Z	0	.25
111	MP3C	Mx	.001	.25
112	MP3C	X	4.83	2.25
113	MP3C	Z	0	2.25
114	MP3C	Mx	.001	2.25
115	M26	X	1.697	.5
116	M26	Z	0	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	6.325	1
2	MP1A	Z	3.652	1
3	MP1A	Mx	-.000728	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP1A	X	6.325	5
5	MP1A	Z	3.652	5
6	MP1A	Mx	-.000728	5
7	MP1B	X	8.481	1
8	MP1B	Z	4.897	1
9	MP1B	Mx	-.007	1
10	MP1B	X	8.481	5
11	MP1B	Z	4.897	5
12	MP1B	Mx	-.007	5
13	MP1C	X	6.325	1
14	MP1C	Z	3.652	1
15	MP1C	Mx	.006	1
16	MP1C	X	6.325	5
17	MP1C	Z	3.652	5
18	MP1C	Mx	.006	5
19	MP1A	X	6.325	1
20	MP1A	Z	3.652	1
21	MP1A	Mx	-.006	1
22	MP1A	X	6.325	5
23	MP1A	Z	3.652	5
24	MP1A	Mx	-.006	5
25	MP1B	X	8.481	1
26	MP1B	Z	4.897	1
27	MP1B	Mx	.007	1
28	MP1B	X	8.481	5
29	MP1B	Z	4.897	5
30	MP1B	Mx	.007	5
31	MP1C	X	6.325	1
32	MP1C	Z	3.652	1
33	MP1C	Mx	.000728	1
34	MP1C	X	6.325	5
35	MP1C	Z	3.652	5
36	MP1C	Mx	.000728	5
37	MP4A	X	3.133	.25
38	MP4A	Z	1.809	.25
39	MP4A	Mx	-.002	.25
40	MP4A	X	3.133	3.75
41	MP4A	Z	1.809	3.75
42	MP4A	Mx	-.002	3.75
43	MP4B	X	3.737	.25
44	MP4B	Z	2.157	.25
45	MP4B	Mx	0	.25
46	MP4B	X	3.737	3.75
47	MP4B	Z	2.157	3.75
48	MP4B	Mx	0	3.75
49	MP4C	X	3.133	.25
50	MP4C	Z	1.809	.25
51	MP4C	Mx	.002	.25
52	MP4C	X	3.133	3.75
53	MP4C	Z	1.809	3.75
54	MP4C	Mx	.002	3.75
55	MP4A	X	.309	2
56	MP4A	Z	.178	2
57	MP4A	Mx	.000155	2
58	MP4B	X	.756	2
59	MP4B	Z	.436	2
60	MP4B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
61	MP4C	X	.309	2
62	MP4C	Z	.178	2
63	MP4C	Mx	-.000154	2
64	MP1A	X	2.95	3
65	MP1A	Z	1.703	3
66	MP1A	Mx	.001	3
67	MP1B	X	3.926	3
68	MP1B	Z	2.266	3
69	MP1B	Mx	0	3
70	MP1C	X	2.95	3
71	MP1C	Z	1.703	3
72	MP1C	Mx	-.001	3
73	MP2A	X	2.576	3
74	MP2A	Z	1.487	3
75	MP2A	Mx	.001	3
76	MP2B	X	3.926	3
77	MP2B	Z	2.266	3
78	MP2B	Mx	0	3
79	MP2C	X	2.576	3
80	MP2C	Z	1.487	3
81	MP2C	Mx	-.001	3
82	MP3C	X	4.47	1
83	MP3C	Z	2.581	1
84	MP3C	Mx	-.002	1
85	MP4C	X	4.47	1
86	MP4C	Z	2.581	1
87	MP4C	Mx	-.002	1
88	MP3A	X	.742	5
89	MP3A	Z	.428	5
90	MP3A	Mx	-.000371	5
91	MP3B	X	1.868	5
92	MP3B	Z	1.079	5
93	MP3B	Mx	0	5
94	MP3C	X	.742	5
95	MP3C	Z	.428	5
96	MP3C	Mx	.000371	5
97	MP3A	X	2.682	.25
98	MP3A	Z	1.548	.25
99	MP3A	Mx	-.001	.25
100	MP3A	X	2.682	2.25
101	MP3A	Z	1.548	2.25
102	MP3A	Mx	-.001	2.25
103	MP3B	X	4.933	.25
104	MP3B	Z	2.848	.25
105	MP3B	Mx	0	.25
106	MP3B	X	4.933	2.25
107	MP3B	Z	2.848	2.25
108	MP3B	Mx	0	2.25
109	MP3C	X	2.682	.25
110	MP3C	Z	1.548	.25
111	MP3C	Mx	.001	.25
112	MP3C	X	2.682	2.25
113	MP3C	Z	1.548	2.25
114	MP3C	Mx	.001	2.25
115	M26	X	1.889	.5
116	M26	Z	1.091	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	4.482	1
2	MP1A	Z	7.763	1
3	MP1A	Mx	.003	1
4	MP1A	X	4.482	5
5	MP1A	Z	7.763	5
6	MP1A	Mx	.003	5
7	MP1B	X	4.482	1
8	MP1B	Z	7.763	1
9	MP1B	Mx	-.007	1
10	MP1B	X	4.482	5
11	MP1B	Z	7.763	5
12	MP1B	Mx	-.007	5
13	MP1C	X	3.237	1
14	MP1C	Z	5.607	1
15	MP1C	Mx	.003	1
16	MP1C	X	3.237	5
17	MP1C	Z	5.607	5
18	MP1C	Mx	.003	5
19	MP1A	X	4.482	1
20	MP1A	Z	7.763	1
21	MP1A	Mx	-.007	1
22	MP1A	X	4.482	5
23	MP1A	Z	7.763	5
24	MP1A	Mx	-.007	5
25	MP1B	X	4.482	1
26	MP1B	Z	7.763	1
27	MP1B	Mx	.003	1
28	MP1B	X	4.482	5
29	MP1B	Z	7.763	5
30	MP1B	Mx	.003	5
31	MP1C	X	3.237	1
32	MP1C	Z	5.607	1
33	MP1C	Mx	.003	1
34	MP1C	X	3.237	5
35	MP1C	Z	5.607	5
36	MP1C	Mx	.003	5
37	MP4A	X	2.041	.25
38	MP4A	Z	3.535	.25
39	MP4A	Mx	-.001	.25
40	MP4A	X	2.041	3.75
41	MP4A	Z	3.535	3.75
42	MP4A	Mx	-.001	3.75
43	MP4B	X	2.041	.25
44	MP4B	Z	3.535	.25
45	MP4B	Mx	-.001	.25
46	MP4B	X	2.041	3.75
47	MP4B	Z	3.535	3.75
48	MP4B	Mx	-.001	3.75
49	MP4C	X	1.692	.25
50	MP4C	Z	2.931	.25
51	MP4C	Mx	.002	.25
52	MP4C	X	1.692	3.75
53	MP4C	Z	2.931	3.75
54	MP4C	Mx	.002	3.75
55	MP4A	X	.35	2
56	MP4A	Z	.607	2
57	MP4A	Mx	.000175	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP4B	X	.35	2
59	MP4B	Z	.607	2
60	MP4B	Mx	.000175	2
61	MP4C	X	.092	2
62	MP4C	Z	.16	2
63	MP4C	Mx	-9.2e-5	2
64	MP1A	X	2.079	3
65	MP1A	Z	3.6	3
66	MP1A	Mx	.001	3
67	MP1B	X	2.079	3
68	MP1B	Z	3.6	3
69	MP1B	Mx	.001	3
70	MP1C	X	1.515	3
71	MP1C	Z	2.624	3
72	MP1C	Mx	-.002	3
73	MP2A	X	2.007	3
74	MP2A	Z	3.476	3
75	MP2A	Mx	.001	3
76	MP2B	X	2.007	3
77	MP2B	Z	3.476	3
78	MP2B	Mx	.001	3
79	MP2C	X	1.227	3
80	MP2C	Z	2.126	3
81	MP2C	Mx	-.001	3
82	MP3C	X	2.431	1
83	MP3C	Z	4.21	1
84	MP3C	Mx	-.002	1
85	MP4C	X	2.431	1
86	MP4C	Z	4.21	1
87	MP4C	Mx	-.002	1
88	MP3A	X	.862	5
89	MP3A	Z	1.493	5
90	MP3A	Mx	-.000431	5
91	MP3B	X	.862	5
92	MP3B	Z	1.493	5
93	MP3B	Mx	-.000431	5
94	MP3C	X	.212	5
95	MP3C	Z	.366	5
96	MP3C	Mx	.000211	5
97	MP3A	X	2.415	.25
98	MP3A	Z	4.183	.25
99	MP3A	Mx	-.001	.25
100	MP3A	X	2.415	2.25
101	MP3A	Z	4.183	2.25
102	MP3A	Mx	-.001	2.25
103	MP3B	X	2.415	.25
104	MP3B	Z	4.183	.25
105	MP3B	Mx	-.001	.25
106	MP3B	X	2.415	2.25
107	MP3B	Z	4.183	2.25
108	MP3B	Mx	-.001	2.25
109	MP3C	X	1.115	.25
110	MP3C	Z	1.931	.25
111	MP3C	Mx	.001	.25
112	MP3C	X	1.115	2.25
113	MP3C	Z	1.931	2.25
114	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	M26	X	1.212	.5
116	M26	Z	2.099	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	9.793	1
3	MP1A	Mx	.007	1
4	MP1A	X	0	5
5	MP1A	Z	9.793	5
6	MP1A	Mx	.007	5
7	MP1B	X	0	1
8	MP1B	Z	7.304	1
9	MP1B	Mx	-.006	1
10	MP1B	X	0	5
11	MP1B	Z	7.304	5
12	MP1B	Mx	-.006	5
13	MP1C	X	0	1
14	MP1C	Z	7.304	1
15	MP1C	Mx	.000728	1
16	MP1C	X	0	5
17	MP1C	Z	7.304	5
18	MP1C	Mx	.000728	5
19	MP1A	X	0	1
20	MP1A	Z	9.793	1
21	MP1A	Mx	-.007	1
22	MP1A	X	0	5
23	MP1A	Z	9.793	5
24	MP1A	Mx	-.007	5
25	MP1B	X	0	1
26	MP1B	Z	7.304	1
27	MP1B	Mx	-.000728	1
28	MP1B	X	0	5
29	MP1B	Z	7.304	5
30	MP1B	Mx	-.000728	5
31	MP1C	X	0	1
32	MP1C	Z	7.304	1
33	MP1C	Mx	.006	1
34	MP1C	X	0	5
35	MP1C	Z	7.304	5
36	MP1C	Mx	.006	5
37	MP4A	X	0	.25
38	MP4A	Z	4.315	.25
39	MP4A	Mx	0	.25
40	MP4A	X	0	3.75
41	MP4A	Z	4.315	3.75
42	MP4A	Mx	0	3.75
43	MP4B	X	0	.25
44	MP4B	Z	3.617	.25
45	MP4B	Mx	-.002	.25
46	MP4B	X	0	3.75
47	MP4B	Z	3.617	3.75
48	MP4B	Mx	-.002	3.75
49	MP4C	X	0	.25
50	MP4C	Z	3.617	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
51	MP4C	Mx	.002	.25
52	MP4C	X	0	3.75
53	MP4C	Z	3.617	3.75
54	MP4C	Mx	.002	3.75
55	MP4A	X	0	2
56	MP4A	Z	.873	2
57	MP4A	Mx	0	2
58	MP4B	X	0	2
59	MP4B	Z	.357	2
60	MP4B	Mx	.000155	2
61	MP4C	X	0	2
62	MP4C	Z	.357	2
63	MP4C	Mx	-.000155	2
64	MP1A	X	0	3
65	MP1A	Z	4.533	3
66	MP1A	Mx	0	3
67	MP1B	X	0	3
68	MP1B	Z	3.406	3
69	MP1B	Mx	.001	3
70	MP1C	X	0	3
71	MP1C	Z	3.406	3
72	MP1C	Mx	-.001	3
73	MP2A	X	0	3
74	MP2A	Z	4.533	3
75	MP2A	Mx	0	3
76	MP2B	X	0	3
77	MP2B	Z	2.974	3
78	MP2B	Mx	.001	3
79	MP2C	X	0	3
80	MP2C	Z	2.974	3
81	MP2C	Mx	-.001	3
82	MP3C	X	0	1
83	MP3C	Z	5.161	1
84	MP3C	Mx	-.002	1
85	MP4C	X	0	1
86	MP4C	Z	5.161	1
87	MP4C	Mx	-.002	1
88	MP3A	X	0	5
89	MP3A	Z	2.157	5
90	MP3A	Mx	0	5
91	MP3B	X	0	5
92	MP3B	Z	.857	5
93	MP3B	Mx	-.000371	5
94	MP3C	X	0	5
95	MP3C	Z	.857	5
96	MP3C	Mx	.000371	5
97	MP3A	X	0	.25
98	MP3A	Z	5.697	.25
99	MP3A	Mx	0	.25
100	MP3A	X	0	2.25
101	MP3A	Z	5.697	2.25
102	MP3A	Mx	0	2.25
103	MP3B	X	0	.25
104	MP3B	Z	3.097	.25
105	MP3B	Mx	-.001	.25
106	MP3B	X	0	2.25
107	MP3B	Z	3.097	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
108	MP3B	Mx	-.001	2.25
109	MP3C	X	0	.25
110	MP3C	Z	3.097	.25
111	MP3C	Mx	.001	.25
112	MP3C	X	0	2.25
113	MP3C	Z	3.097	2.25
114	MP3C	Mx	.001	2.25
115	M26	X	0	.5
116	M26	Z	2.182	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-4.482	1
2	MP1A	Z	7.763	1
3	MP1A	Mx	.007	1
4	MP1A	X	-4.482	5
5	MP1A	Z	7.763	5
6	MP1A	Mx	.007	5
7	MP1B	X	-3.237	1
8	MP1B	Z	5.607	1
9	MP1B	Mx	-.003	1
10	MP1B	X	-3.237	5
11	MP1B	Z	5.607	5
12	MP1B	Mx	-.003	5
13	MP1C	X	-4.482	1
14	MP1C	Z	7.763	1
15	MP1C	Mx	-.003	1
16	MP1C	X	-4.482	5
17	MP1C	Z	7.763	5
18	MP1C	Mx	-.003	5
19	MP1A	X	-4.482	1
20	MP1A	Z	7.763	1
21	MP1A	Mx	-.003	1
22	MP1A	X	-4.482	5
23	MP1A	Z	7.763	5
24	MP1A	Mx	-.003	5
25	MP1B	X	-3.237	1
26	MP1B	Z	5.607	1
27	MP1B	Mx	-.003	1
28	MP1B	X	-3.237	5
29	MP1B	Z	5.607	5
30	MP1B	Mx	-.003	5
31	MP1C	X	-4.482	1
32	MP1C	Z	7.763	1
33	MP1C	Mx	.007	1
34	MP1C	X	-4.482	5
35	MP1C	Z	7.763	5
36	MP1C	Mx	.007	5
37	MP4A	X	-2.041	.25
38	MP4A	Z	3.535	.25
39	MP4A	Mx	.001	.25
40	MP4A	X	-2.041	3.75
41	MP4A	Z	3.535	3.75
42	MP4A	Mx	.001	3.75
43	MP4B	X	-1.692	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	2.931	.25
45	MP4B	Mx	-.002	.25
46	MP4B	X	-1.692	3.75
47	MP4B	Z	2.931	3.75
48	MP4B	Mx	-.002	3.75
49	MP4C	X	-2.041	.25
50	MP4C	Z	3.535	.25
51	MP4C	Mx	.001	.25
52	MP4C	X	-2.041	3.75
53	MP4C	Z	3.535	3.75
54	MP4C	Mx	.001	3.75
55	MP4A	X	-.35	2
56	MP4A	Z	.607	2
57	MP4A	Mx	-.000175	2
58	MP4B	X	-.092	2
59	MP4B	Z	.16	2
60	MP4B	Mx	9.2e-5	2
61	MP4C	X	-.35	2
62	MP4C	Z	.607	2
63	MP4C	Mx	-.000175	2
64	MP1A	X	-2.079	3
65	MP1A	Z	3.6	3
66	MP1A	Mx	-.001	3
67	MP1B	X	-1.515	3
68	MP1B	Z	2.624	3
69	MP1B	Mx	.002	3
70	MP1C	X	-2.079	3
71	MP1C	Z	3.6	3
72	MP1C	Mx	-.001	3
73	MP2A	X	-2.007	3
74	MP2A	Z	3.476	3
75	MP2A	Mx	-.001	3
76	MP2B	X	-1.227	3
77	MP2B	Z	2.126	3
78	MP2B	Mx	.001	3
79	MP2C	X	-2.007	3
80	MP2C	Z	3.476	3
81	MP2C	Mx	-.001	3
82	MP3C	X	-2.88	1
83	MP3C	Z	4.989	1
84	MP3C	Mx	-.001	1
85	MP4C	X	-2.88	1
86	MP4C	Z	4.989	1
87	MP4C	Mx	-.001	1
88	MP3A	X	-.862	5
89	MP3A	Z	1.493	5
90	MP3A	Mx	.000431	5
91	MP3B	X	-.212	5
92	MP3B	Z	.366	5
93	MP3B	Mx	-.000211	5
94	MP3C	X	-.862	5
95	MP3C	Z	1.493	5
96	MP3C	Mx	.000431	5
97	MP3A	X	-2.415	.25
98	MP3A	Z	4.183	.25
99	MP3A	Mx	.001	.25
100	MP3A	X	-2.415	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
101	MP3A	Z	4.183	2.25
102	MP3A	Mx	.001	2.25
103	MP3B	X	-1.115	.25
104	MP3B	Z	1.931	.25
105	MP3B	Mx	-.001	.25
106	MP3B	X	-1.115	2.25
107	MP3B	Z	1.931	2.25
108	MP3B	Mx	-.001	2.25
109	MP3C	X	-2.415	.25
110	MP3C	Z	4.183	.25
111	MP3C	Mx	.001	.25
112	MP3C	X	-2.415	2.25
113	MP3C	Z	4.183	2.25
114	MP3C	Mx	.001	2.25
115	M26	X	-.848	.5
116	M26	Z	1.47	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-6.325	1
2	MP1A	Z	3.652	1
3	MP1A	Mx	.006	1
4	MP1A	X	-6.325	5
5	MP1A	Z	3.652	5
6	MP1A	Mx	.006	5
7	MP1B	X	-6.325	1
8	MP1B	Z	3.652	1
9	MP1B	Mx	-.000728	1
10	MP1B	X	-6.325	5
11	MP1B	Z	3.652	5
12	MP1B	Mx	-.000728	5
13	MP1C	X	-8.481	1
14	MP1C	Z	4.897	1
15	MP1C	Mx	-.007	1
16	MP1C	X	-8.481	5
17	MP1C	Z	4.897	5
18	MP1C	Mx	-.007	5
19	MP1A	X	-6.325	1
20	MP1A	Z	3.652	1
21	MP1A	Mx	.000728	1
22	MP1A	X	-6.325	5
23	MP1A	Z	3.652	5
24	MP1A	Mx	.000728	5
25	MP1B	X	-6.325	1
26	MP1B	Z	3.652	1
27	MP1B	Mx	-.006	1
28	MP1B	X	-6.325	5
29	MP1B	Z	3.652	5
30	MP1B	Mx	-.006	5
31	MP1C	X	-8.481	1
32	MP1C	Z	4.897	1
33	MP1C	Mx	.007	1
34	MP1C	X	-8.481	5
35	MP1C	Z	4.897	5
36	MP1C	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
37	MP4A	X	-3.133	.25
38	MP4A	Z	1.809	.25
39	MP4A	Mx	.002	.25
40	MP4A	X	-3.133	3.75
41	MP4A	Z	1.809	3.75
42	MP4A	Mx	.002	3.75
43	MP4B	X	-3.133	.25
44	MP4B	Z	1.809	.25
45	MP4B	Mx	-.002	.25
46	MP4B	X	-3.133	3.75
47	MP4B	Z	1.809	3.75
48	MP4B	Mx	-.002	3.75
49	MP4C	X	-3.737	.25
50	MP4C	Z	2.157	.25
51	MP4C	Mx	0	.25
52	MP4C	X	-3.737	3.75
53	MP4C	Z	2.157	3.75
54	MP4C	Mx	0	3.75
55	MP4A	X	-.309	2
56	MP4A	Z	.178	2
57	MP4A	Mx	-.000155	2
58	MP4B	X	-.309	2
59	MP4B	Z	.178	2
60	MP4B	Mx	.000154	2
61	MP4C	X	-.756	2
62	MP4C	Z	.436	2
63	MP4C	Mx	0	2
64	MP1A	X	-2.95	3
65	MP1A	Z	1.703	3
66	MP1A	Mx	-.001	3
67	MP1B	X	-2.95	3
68	MP1B	Z	1.703	3
69	MP1B	Mx	.001	3
70	MP1C	X	-3.926	3
71	MP1C	Z	2.266	3
72	MP1C	Mx	0	3
73	MP2A	X	-2.576	3
74	MP2A	Z	1.487	3
75	MP2A	Mx	-.001	3
76	MP2B	X	-2.576	3
77	MP2B	Z	1.487	3
78	MP2B	Mx	.001	3
79	MP2C	X	-3.926	3
80	MP2C	Z	2.266	3
81	MP2C	Mx	0	3
82	MP3C	X	-5.248	1
83	MP3C	Z	3.03	1
84	MP3C	Mx	0	1
85	MP4C	X	-5.248	1
86	MP4C	Z	3.03	1
87	MP4C	Mx	0	1
88	MP3A	X	-.742	5
89	MP3A	Z	.428	5
90	MP3A	Mx	.000371	5
91	MP3B	X	-.742	5
92	MP3B	Z	.428	5
93	MP3B	Mx	-.000371	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
94	MP3C	X	-1.868	5
95	MP3C	Z	1.079	5
96	MP3C	Mx	0	5
97	MP3A	X	-2.682	.25
98	MP3A	Z	1.548	.25
99	MP3A	Mx	.001	.25
100	MP3A	X	-2.682	2.25
101	MP3A	Z	1.548	2.25
102	MP3A	Mx	.001	2.25
103	MP3B	X	-2.682	.25
104	MP3B	Z	1.548	.25
105	MP3B	Mx	-.001	.25
106	MP3B	X	-2.682	2.25
107	MP3B	Z	1.548	2.25
108	MP3B	Mx	-.001	2.25
109	MP3C	X	-4.933	.25
110	MP3C	Z	2.848	.25
111	MP3C	Mx	0	.25
112	MP3C	X	-4.933	2.25
113	MP3C	Z	2.848	2.25
114	MP3C	Mx	0	2.25
115	M26	X	-1.26	.5
116	M26	Z	.727	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-6.474	1
2	MP1A	Z	0	1
3	MP1A	Mx	.003	1
4	MP1A	X	-6.474	5
5	MP1A	Z	0	5
6	MP1A	Mx	.003	5
7	MP1B	X	-8.963	1
8	MP1B	Z	0	1
9	MP1B	Mx	.003	1
10	MP1B	X	-8.963	5
11	MP1B	Z	0	5
12	MP1B	Mx	.003	5
13	MP1C	X	-8.963	1
14	MP1C	Z	0	1
15	MP1C	Mx	-.007	1
16	MP1C	X	-8.963	5
17	MP1C	Z	0	5
18	MP1C	Mx	-.007	5
19	MP1A	X	-6.474	1
20	MP1A	Z	0	1
21	MP1A	Mx	.003	1
22	MP1A	X	-6.474	5
23	MP1A	Z	0	5
24	MP1A	Mx	.003	5
25	MP1B	X	-8.963	1
26	MP1B	Z	0	1
27	MP1B	Mx	-.007	1
28	MP1B	X	-8.963	5
29	MP1B	Z	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP1B	Mx	-.007	5
31	MP1C	X	-8.963	1
32	MP1C	Z	0	1
33	MP1C	Mx	.003	1
34	MP1C	X	-8.963	5
35	MP1C	Z	0	5
36	MP1C	Mx	.003	5
37	MP4A	X	-3.385	.25
38	MP4A	Z	0	.25
39	MP4A	Mx	.002	.25
40	MP4A	X	-3.385	3.75
41	MP4A	Z	0	3.75
42	MP4A	Mx	.002	3.75
43	MP4B	X	-4.082	.25
44	MP4B	Z	0	.25
45	MP4B	Mx	-.001	.25
46	MP4B	X	-4.082	3.75
47	MP4B	Z	0	3.75
48	MP4B	Mx	-.001	3.75
49	MP4C	X	-4.082	.25
50	MP4C	Z	0	.25
51	MP4C	Mx	-.001	.25
52	MP4C	X	-4.082	3.75
53	MP4C	Z	0	3.75
54	MP4C	Mx	-.001	3.75
55	MP4A	X	-.185	2
56	MP4A	Z	0	2
57	MP4A	Mx	-9.2e-5	2
58	MP4B	X	-.701	2
59	MP4B	Z	0	2
60	MP4B	Mx	.000175	2
61	MP4C	X	-.701	2
62	MP4C	Z	0	2
63	MP4C	Mx	.000175	2
64	MP1A	X	-3.03	3
65	MP1A	Z	0	3
66	MP1A	Mx	-.002	3
67	MP1B	X	-4.157	3
68	MP1B	Z	0	3
69	MP1B	Mx	.001	3
70	MP1C	X	-4.157	3
71	MP1C	Z	0	3
72	MP1C	Mx	.001	3
73	MP2A	X	-2.454	3
74	MP2A	Z	0	3
75	MP2A	Mx	-.001	3
76	MP2B	X	-4.013	3
77	MP2B	Z	0	3
78	MP2B	Mx	.001	3
79	MP2C	X	-4.013	3
80	MP2C	Z	0	3
81	MP2C	Mx	.001	3
82	MP3C	X	-5.76	1
83	MP3C	Z	0	1
84	MP3C	Mx	.001	1
85	MP4C	X	-5.76	1
86	MP4C	Z	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
87	MP4C	Mx	.001	1
88	MP3A	X	-4.23	5
89	MP3A	Z	0	5
90	MP3A	Mx	.000212	5
91	MP3B	X	-1.724	5
92	MP3B	Z	0	5
93	MP3B	Mx	-.000431	5
94	MP3C	X	-1.724	5
95	MP3C	Z	0	5
96	MP3C	Mx	-.000431	5
97	MP3A	X	-2.23	.25
98	MP3A	Z	0	.25
99	MP3A	Mx	.001	.25
100	MP3A	X	-2.23	2.25
101	MP3A	Z	0	2.25
102	MP3A	Mx	.001	2.25
103	MP3B	X	-4.83	.25
104	MP3B	Z	0	.25
105	MP3B	Mx	-.001	.25
106	MP3B	X	-4.83	2.25
107	MP3B	Z	0	2.25
108	MP3B	Mx	-.001	2.25
109	MP3C	X	-4.83	.25
110	MP3C	Z	0	.25
111	MP3C	Mx	-.001	.25
112	MP3C	X	-4.83	2.25
113	MP3C	Z	0	2.25
114	MP3C	Mx	-.001	2.25
115	M26	X	-1.697	.5
116	M26	Z	0	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-6.325	1
2	MP1A	Z	-3.652	1
3	MP1A	Mx	.000728	1
4	MP1A	X	-6.325	5
5	MP1A	Z	-3.652	5
6	MP1A	Mx	.000728	5
7	MP1B	X	-8.481	1
8	MP1B	Z	-4.897	1
9	MP1B	Mx	.007	1
10	MP1B	X	-8.481	5
11	MP1B	Z	-4.897	5
12	MP1B	Mx	.007	5
13	MP1C	X	-6.325	1
14	MP1C	Z	-3.652	1
15	MP1C	Mx	-.006	1
16	MP1C	X	-6.325	5
17	MP1C	Z	-3.652	5
18	MP1C	Mx	-.006	5
19	MP1A	X	-6.325	1
20	MP1A	Z	-3.652	1
21	MP1A	Mx	.006	1
22	MP1A	X	-6.325	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
23	MP1A	Z	-3.652	5
24	MP1A	Mx	.006	5
25	MP1B	X	-8.481	1
26	MP1B	Z	-4.897	1
27	MP1B	Mx	-.007	1
28	MP1B	X	-8.481	5
29	MP1B	Z	-4.897	5
30	MP1B	Mx	-.007	5
31	MP1C	X	-6.325	1
32	MP1C	Z	-3.652	1
33	MP1C	Mx	-.000728	1
34	MP1C	X	-6.325	5
35	MP1C	Z	-3.652	5
36	MP1C	Mx	-.000728	5
37	MP4A	X	-3.133	.25
38	MP4A	Z	-1.809	.25
39	MP4A	Mx	.002	.25
40	MP4A	X	-3.133	3.75
41	MP4A	Z	-1.809	3.75
42	MP4A	Mx	.002	3.75
43	MP4B	X	-3.737	.25
44	MP4B	Z	-2.157	.25
45	MP4B	Mx	0	.25
46	MP4B	X	-3.737	3.75
47	MP4B	Z	-2.157	3.75
48	MP4B	Mx	0	3.75
49	MP4C	X	-3.133	.25
50	MP4C	Z	-1.809	.25
51	MP4C	Mx	-.002	.25
52	MP4C	X	-3.133	3.75
53	MP4C	Z	-1.809	3.75
54	MP4C	Mx	-.002	3.75
55	MP4A	X	-.309	2
56	MP4A	Z	-.178	2
57	MP4A	Mx	-.000155	2
58	MP4B	X	-.756	2
59	MP4B	Z	-.436	2
60	MP4B	Mx	0	2
61	MP4C	X	-.309	2
62	MP4C	Z	-.178	2
63	MP4C	Mx	.000154	2
64	MP1A	X	-2.95	3
65	MP1A	Z	-1.703	3
66	MP1A	Mx	-.001	3
67	MP1B	X	-3.926	3
68	MP1B	Z	-2.266	3
69	MP1B	Mx	0	3
70	MP1C	X	-2.95	3
71	MP1C	Z	-1.703	3
72	MP1C	Mx	.001	3
73	MP2A	X	-2.576	3
74	MP2A	Z	-1.487	3
75	MP2A	Mx	-.001	3
76	MP2B	X	-3.926	3
77	MP2B	Z	-2.266	3
78	MP2B	Mx	0	3
79	MP2C	X	-2.576	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	-1.487	3
81	MP2C	Mx	.001	3
82	MP3C	X	-4.47	1
83	MP3C	Z	-2.581	1
84	MP3C	Mx	.002	1
85	MP4C	X	-4.47	1
86	MP4C	Z	-2.581	1
87	MP4C	Mx	.002	1
88	MP3A	X	-.742	5
89	MP3A	Z	-.428	5
90	MP3A	Mx	.000371	5
91	MP3B	X	-1.868	5
92	MP3B	Z	-1.079	5
93	MP3B	Mx	0	5
94	MP3C	X	-.742	5
95	MP3C	Z	-.428	5
96	MP3C	Mx	-.000371	5
97	MP3A	X	-2.682	.25
98	MP3A	Z	-1.548	.25
99	MP3A	Mx	.001	.25
100	MP3A	X	-2.682	2.25
101	MP3A	Z	-1.548	2.25
102	MP3A	Mx	.001	2.25
103	MP3B	X	-4.933	.25
104	MP3B	Z	-2.848	.25
105	MP3B	Mx	0	.25
106	MP3B	X	-4.933	2.25
107	MP3B	Z	-2.848	2.25
108	MP3B	Mx	0	2.25
109	MP3C	X	-2.682	.25
110	MP3C	Z	-1.548	.25
111	MP3C	Mx	-.001	.25
112	MP3C	X	-2.682	2.25
113	MP3C	Z	-1.548	2.25
114	MP3C	Mx	-.001	2.25
115	M26	X	-1.889	.5
116	M26	Z	-1.091	.5
117	M26	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.482	1
2	MP1A	Z	-7.763	1
3	MP1A	Mx	-.003	1
4	MP1A	X	-4.482	5
5	MP1A	Z	-7.763	5
6	MP1A	Mx	-.003	5
7	MP1B	X	-4.482	1
8	MP1B	Z	-7.763	1
9	MP1B	Mx	.007	1
10	MP1B	X	-4.482	5
11	MP1B	Z	-7.763	5
12	MP1B	Mx	.007	5
13	MP1C	X	-3.237	1
14	MP1C	Z	-5.607	1
15	MP1C	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP1C	X	-3.237	5
17	MP1C	Z	-5.607	5
18	MP1C	Mx	-.003	5
19	MP1A	X	-4.482	1
20	MP1A	Z	-7.763	1
21	MP1A	Mx	.007	1
22	MP1A	X	-4.482	5
23	MP1A	Z	-7.763	5
24	MP1A	Mx	.007	5
25	MP1B	X	-4.482	1
26	MP1B	Z	-7.763	1
27	MP1B	Mx	-.003	1
28	MP1B	X	-4.482	5
29	MP1B	Z	-7.763	5
30	MP1B	Mx	-.003	5
31	MP1C	X	-3.237	1
32	MP1C	Z	-5.607	1
33	MP1C	Mx	-.003	1
34	MP1C	X	-3.237	5
35	MP1C	Z	-5.607	5
36	MP1C	Mx	-.003	5
37	MP4A	X	-2.041	.25
38	MP4A	Z	-3.535	.25
39	MP4A	Mx	.001	.25
40	MP4A	X	-2.041	3.75
41	MP4A	Z	-3.535	3.75
42	MP4A	Mx	.001	3.75
43	MP4B	X	-2.041	.25
44	MP4B	Z	-3.535	.25
45	MP4B	Mx	.001	.25
46	MP4B	X	-2.041	3.75
47	MP4B	Z	-3.535	3.75
48	MP4B	Mx	.001	3.75
49	MP4C	X	-1.692	.25
50	MP4C	Z	-2.931	.25
51	MP4C	Mx	-.002	.25
52	MP4C	X	-1.692	3.75
53	MP4C	Z	-2.931	3.75
54	MP4C	Mx	-.002	3.75
55	MP4A	X	-.35	2
56	MP4A	Z	-.607	2
57	MP4A	Mx	-.000175	2
58	MP4B	X	-.35	2
59	MP4B	Z	-.607	2
60	MP4B	Mx	-.000175	2
61	MP4C	X	-.092	2
62	MP4C	Z	-.16	2
63	MP4C	Mx	9.2e-5	2
64	MP1A	X	-2.079	3
65	MP1A	Z	-3.6	3
66	MP1A	Mx	-.001	3
67	MP1B	X	-2.079	3
68	MP1B	Z	-3.6	3
69	MP1B	Mx	-.001	3
70	MP1C	X	-1.515	3
71	MP1C	Z	-2.624	3
72	MP1C	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP2A	X	-2.007	3
74	MP2A	Z	-3.476	3
75	MP2A	Mx	-.001	3
76	MP2B	X	-2.007	3
77	MP2B	Z	-3.476	3
78	MP2B	Mx	-.001	3
79	MP2C	X	-1.227	3
80	MP2C	Z	-2.126	3
81	MP2C	Mx	.001	3
82	MP3C	X	-2.431	1
83	MP3C	Z	-4.21	1
84	MP3C	Mx	.002	1
85	MP4C	X	-2.431	1
86	MP4C	Z	-4.21	1
87	MP4C	Mx	.002	1
88	MP3A	X	-.862	5
89	MP3A	Z	-1.493	5
90	MP3A	Mx	.000431	5
91	MP3B	X	-.862	5
92	MP3B	Z	-1.493	5
93	MP3B	Mx	.000431	5
94	MP3C	X	-.212	5
95	MP3C	Z	-.366	5
96	MP3C	Mx	-.000211	5
97	MP3A	X	-2.415	.25
98	MP3A	Z	-4.183	.25
99	MP3A	Mx	.001	.25
100	MP3A	X	-2.415	2.25
101	MP3A	Z	-4.183	2.25
102	MP3A	Mx	.001	2.25
103	MP3B	X	-2.415	.25
104	MP3B	Z	-4.183	.25
105	MP3B	Mx	.001	.25
106	MP3B	X	-2.415	2.25
107	MP3B	Z	-4.183	2.25
108	MP3B	Mx	.001	2.25
109	MP3C	X	-1.115	.25
110	MP3C	Z	-1.931	.25
111	MP3C	Mx	-.001	.25
112	MP3C	X	-1.115	2.25
113	MP3C	Z	-1.931	2.25
114	MP3C	Mx	-.001	2.25
115	M26	X	-1.212	.5
116	M26	Z	-2.099	.5
117	M26	Mx	0	.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%20

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%47

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 79 : Lv1) (Continued)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-11.912	-11.912	0	%100
2	M12	Y	-16.198	-16.198	0	%100
3	M13	Y	-14.769	-14.769	0	%100
4	M26	Y	-8.139	-8.139	0	%100
5	M67	Y	-10.484	-10.484	0	%100
6	M12A	Y	-11.912	-11.912	0	%100
7	M13A	Y	-8.139	-8.139	0	%100
8	M13B	Y	-15.463	-15.463	0	%100
9	M14	Y	-11.912	-11.912	0	%100
10	M20	Y	-15.463	-15.463	0	%100
11	M26A	Y	-15.463	-15.463	0	%100
12	M25	Y	-8.139	-8.139	0	%100
13	M25B	Y	-16.198	-16.198	0	%100
14	M26C	Y	-14.769	-14.769	0	%100
15	M29A	Y	-16.198	-16.198	0	%100
16	M30A	Y	-14.769	-14.769	0	%100
17	MP1A	Y	-8.139	-8.139	0	%100
18	MP2A	Y	-8.139	-8.139	0	%100
19	MP3A	Y	-8.139	-8.139	0	%100
20	MP4A	Y	-8.139	-8.139	0	%100
21	M49	Y	-11.912	-11.912	0	%100
22	M50	Y	-11.912	-11.912	0	%100
23	M51	Y	-11.912	-11.912	0	%100
24	M72A	Y	-10.484	-10.484	0	%100
25	M73A	Y	-10.484	-10.484	0	%100
26	M74	Y	-10.484	-10.484	0	%100
27	M75	Y	-10.484	-10.484	0	%100
28	M76	Y	-10.484	-10.484	0	%100
29	M77	Y	-10.484	-10.484	0	%100
30	M73B	Y	-10.484	-10.484	0	%100
31	M76A	Y	-10.484	-10.484	0	%100
32	MP1C	Y	-8.139	-8.139	0	%100
33	MP2C	Y	-8.139	-8.139	0	%100
34	MP3C	Y	-8.139	-8.139	0	%100
35	MP4C	Y	-8.139	-8.139	0	%100
36	MP1B	Y	-8.139	-8.139	0	%100
37	MP2B	Y	-8.139	-8.139	0	%100
38	MP3B	Y	-8.139	-8.139	0	%100
39	MP4B	Y	-8.139	-8.139	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-18.751	-18.751	0	%100
3	M12	X	0	0	0	%100
4	M12	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	-8.907	-8.907	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	-2.752	-2.752	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	-4.688	-4.688	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	-2.227	-2.227	0	%100
15	M13B	X	0	0	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	-4.688	-4.688	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-11.954	-11.954	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	-11.954	-11.954	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-2.227	-2.227	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	-10.47	-10.47	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	-7.969	-7.969	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	-10.47	-10.47	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	-7.969	-7.969	0	%100
33	MP1A	X	0	0	0	%100
34	MP1A	Z	-8.907	-8.907	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-8.907	-8.907	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	-8.907	-8.907	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-8.907	-8.907	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	-4.688	-4.688	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	-4.688	-4.688	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	-18.751	-18.751	0	%100
47	M72A	X	0	0	0	%100
48	M72A	Z	-12.799	-12.799	0	%100
49	M73A	X	0	0	0	%100
50	M73A	Z	-12.799	-12.799	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	-13.945	-13.945	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	-6.757	-6.757	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	-6.757	-6.757	0	%100
57	M77	X	0	0	0	%100
58	M77	Z	-13.945	-13.945	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	-2.752	-2.752	0	%100
61	M76A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M76A	Z	-11.008	-11.008	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-8.907	-8.907	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-8.907	-8.907	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-8.907	-8.907	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-8.907	-8.907	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-8.907	-8.907	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-8.907	-8.907	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-8.907	-8.907	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-8.907	-8.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.032	7.032	0	%100
2	M1	Z	-12.179	-12.179	0	%100
3	M12	X	1.745	1.745	0	%100
4	M12	Z	-3.022	-3.022	0	%100
5	M13	X	1.328	1.328	0	%100
6	M13	Z	-2.301	-2.301	0	%100
7	M26	X	3.34	3.34	0	%100
8	M26	Z	-5.785	-5.785	0	%100
9	M67	X	4.128	4.128	0	%100
10	M67	Z	-7.15	-7.15	0	%100
11	M12A	X	7.032	7.032	0	%100
12	M12A	Z	-12.179	-12.179	0	%100
13	M13A	X	3.34	3.34	0	%100
14	M13A	Z	-5.785	-5.785	0	%100
15	M13B	X	1.992	1.992	0	%100
16	M13B	Z	-3.451	-3.451	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	1.992	1.992	0	%100
20	M20	Z	-3.451	-3.451	0	%100
21	M26A	X	7.969	7.969	0	%100
22	M26A	Z	-13.803	-13.803	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	1.745	1.745	0	%100
26	M25B	Z	-3.022	-3.022	0	%100
27	M26C	X	1.328	1.328	0	%100
28	M26C	Z	-2.301	-2.301	0	%100
29	M29A	X	6.98	6.98	0	%100
30	M29A	Z	-12.089	-12.089	0	%100
31	M30A	X	5.313	5.313	0	%100
32	M30A	Z	-9.202	-9.202	0	%100
33	MP1A	X	4.453	4.453	0	%100
34	MP1A	Z	-7.714	-7.714	0	%100
35	MP2A	X	4.453	4.453	0	%100
36	MP2A	Z	-7.714	-7.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
37	MP3A	X	4.453	4.453	0	%100
38	MP3A	Z	-7.714	-7.714	0	%100
39	MP4A	X	4.453	4.453	0	%100
40	MP4A	Z	-7.714	-7.714	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	7.032	7.032	0	%100
44	M50	Z	-12.179	-12.179	0	%100
45	M51	X	7.032	7.032	0	%100
46	M51	Z	-12.179	-12.179	0	%100
47	M72A	X	4.195	4.195	0	%100
48	M72A	Z	-7.265	-7.265	0	%100
49	M73A	X	7.788	7.788	0	%100
50	M73A	Z	-13.49	-13.49	0	%100
51	M74	X	7.788	7.788	0	%100
52	M74	Z	-13.49	-13.49	0	%100
53	M75	X	4.195	4.195	0	%100
54	M75	Z	-7.265	-7.265	0	%100
55	M76	X	4.768	4.768	0	%100
56	M76	Z	-8.258	-8.258	0	%100
57	M77	X	4.768	4.768	0	%100
58	M77	Z	-8.258	-8.258	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	4.128	4.128	0	%100
62	M76A	Z	-7.15	-7.15	0	%100
63	MP1C	X	4.453	4.453	0	%100
64	MP1C	Z	-7.714	-7.714	0	%100
65	MP2C	X	4.453	4.453	0	%100
66	MP2C	Z	-7.714	-7.714	0	%100
67	MP3C	X	4.453	4.453	0	%100
68	MP3C	Z	-7.714	-7.714	0	%100
69	MP4C	X	4.453	4.453	0	%100
70	MP4C	Z	-7.714	-7.714	0	%100
71	MP1B	X	4.453	4.453	0	%100
72	MP1B	Z	-7.714	-7.714	0	%100
73	MP2B	X	4.453	4.453	0	%100
74	MP2B	Z	-7.714	-7.714	0	%100
75	MP3B	X	4.453	4.453	0	%100
76	MP3B	Z	-7.714	-7.714	0	%100
77	MP4B	X	4.453	4.453	0	%100
78	MP4B	Z	-7.714	-7.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	4.06	4.06	0	%100
2	M1	Z	-2.344	-2.344	0	%100
3	M12	X	9.067	9.067	0	%100
4	M12	Z	-5.235	-5.235	0	%100
5	M13	X	6.902	6.902	0	%100
6	M13	Z	-3.985	-3.985	0	%100
7	M26	X	1.928	1.928	0	%100
8	M26	Z	-1.113	-1.113	0	%100
9	M67	X	9.533	9.533	0	%100
10	M67	Z	-5.504	-5.504	0	%100
11	M12A	X	16.239	16.239	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
12	M12A	Z	-9.376	-9.376	0	%100
13	M13A	X	7.714	7.714	0	%100
14	M13A	Z	-4.453	-4.453	0	%100
15	M13B	X	10.352	10.352	0	%100
16	M13B	Z	-5.977	-5.977	0	%100
17	M14	X	4.06	4.06	0	%100
18	M14	Z	-2.344	-2.344	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	10.352	10.352	0	%100
22	M26A	Z	-5.977	-5.977	0	%100
23	M25	X	1.928	1.928	0	%100
24	M25	Z	-1.113	-1.113	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	9.067	9.067	0	%100
30	M29A	Z	-5.235	-5.235	0	%100
31	M30A	X	6.902	6.902	0	%100
32	M30A	Z	-3.985	-3.985	0	%100
33	MP1A	X	7.714	7.714	0	%100
34	MP1A	Z	-4.453	-4.453	0	%100
35	MP2A	X	7.714	7.714	0	%100
36	MP2A	Z	-4.453	-4.453	0	%100
37	MP3A	X	7.714	7.714	0	%100
38	MP3A	Z	-4.453	-4.453	0	%100
39	MP4A	X	7.714	7.714	0	%100
40	MP4A	Z	-4.453	-4.453	0	%100
41	M49	X	4.06	4.06	0	%100
42	M49	Z	-2.344	-2.344	0	%100
43	M50	X	16.239	16.239	0	%100
44	M50	Z	-9.376	-9.376	0	%100
45	M51	X	4.06	4.06	0	%100
46	M51	Z	-2.344	-2.344	0	%100
47	M72A	X	5.852	5.852	0	%100
48	M72A	Z	-3.379	-3.379	0	%100
49	M73A	X	12.077	12.077	0	%100
50	M73A	Z	-6.973	-6.973	0	%100
51	M74	X	11.084	11.084	0	%100
52	M74	Z	-6.399	-6.399	0	%100
53	M75	X	11.084	11.084	0	%100
54	M75	Z	-6.399	-6.399	0	%100
55	M76	X	12.077	12.077	0	%100
56	M76	Z	-6.973	-6.973	0	%100
57	M77	X	5.852	5.852	0	%100
58	M77	Z	-3.379	-3.379	0	%100
59	M73B	X	2.383	2.383	0	%100
60	M73B	Z	-1.376	-1.376	0	%100
61	M76A	X	2.383	2.383	0	%100
62	M76A	Z	-1.376	-1.376	0	%100
63	MP1C	X	7.714	7.714	0	%100
64	MP1C	Z	-4.453	-4.453	0	%100
65	MP2C	X	7.714	7.714	0	%100
66	MP2C	Z	-4.453	-4.453	0	%100
67	MP3C	X	7.714	7.714	0	%100
68	MP3C	Z	-4.453	-4.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
69	MP4C	X	7.714	7.714	0	%100
70	MP4C	Z	-4.453	-4.453	0	%100
71	MP1B	X	7.714	7.714	0	%100
72	MP1B	Z	-4.453	-4.453	0	%100
73	MP2B	X	7.714	7.714	0	%100
74	MP2B	Z	-4.453	-4.453	0	%100
75	MP3B	X	7.714	7.714	0	%100
76	MP3B	Z	-4.453	-4.453	0	%100
77	MP4B	X	7.714	7.714	0	%100
78	MP4B	Z	-4.453	-4.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M12	X	13.959	13.959	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	10.626	10.626	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	0	0	0	%100
9	M67	X	8.256	8.256	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	14.064	14.064	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	6.68	6.68	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	15.939	15.939	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	14.064	14.064	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	3.985	3.985	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	3.985	3.985	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	6.68	6.68	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	3.49	3.49	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	2.656	2.656	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	3.49	3.49	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	2.656	2.656	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	8.907	8.907	0	%100
34	MP1A	Z	0	0	0	%100
35	MP2A	X	8.907	8.907	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	8.907	8.907	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	8.907	8.907	0	%100
40	MP4A	Z	0	0	0	%100
41	M49	X	14.064	14.064	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	14.064	14.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
44	M50	Z	0	0	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	0	0	0	%100
47	M72A	X	9.535	9.535	0	%100
48	M72A	Z	0	0	0	%100
49	M73A	X	9.535	9.535	0	%100
50	M73A	Z	0	0	0	%100
51	M74	X	8.389	8.389	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	15.577	15.577	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	15.577	15.577	0	%100
56	M76	Z	0	0	0	%100
57	M77	X	8.389	8.389	0	%100
58	M77	Z	0	0	0	%100
59	M73B	X	8.256	8.256	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	0	0	0	%100
63	MP1C	X	8.907	8.907	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	8.907	8.907	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	8.907	8.907	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	8.907	8.907	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	8.907	8.907	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	8.907	8.907	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	8.907	8.907	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	8.907	8.907	0	%100
78	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	4.06	4.06	0	%100
2	M1	Z	2.344	2.344	0	%100
3	M12	X	9.067	9.067	0	%100
4	M12	Z	5.235	5.235	0	%100
5	M13	X	6.902	6.902	0	%100
6	M13	Z	3.985	3.985	0	%100
7	M26	X	1.928	1.928	0	%100
8	M26	Z	1.113	1.113	0	%100
9	M67	X	2.383	2.383	0	%100
10	M67	Z	1.376	1.376	0	%100
11	M12A	X	4.06	4.06	0	%100
12	M12A	Z	2.344	2.344	0	%100
13	M13A	X	1.928	1.928	0	%100
14	M13A	Z	1.113	1.113	0	%100
15	M13B	X	10.352	10.352	0	%100
16	M13B	Z	5.977	5.977	0	%100
17	M14	X	16.239	16.239	0	%100
18	M14	Z	9.376	9.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
19	M20	X	10.352	10.352	0	%100
20	M20	Z	5.977	5.977	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	7.714	7.714	0	%100
24	M25	Z	4.453	4.453	0	%100
25	M25B	X	9.067	9.067	0	%100
26	M25B	Z	5.235	5.235	0	%100
27	M26C	X	6.902	6.902	0	%100
28	M26C	Z	3.985	3.985	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	7.714	7.714	0	%100
34	MP1A	Z	4.453	4.453	0	%100
35	MP2A	X	7.714	7.714	0	%100
36	MP2A	Z	4.453	4.453	0	%100
37	MP3A	X	7.714	7.714	0	%100
38	MP3A	Z	4.453	4.453	0	%100
39	MP4A	X	7.714	7.714	0	%100
40	MP4A	Z	4.453	4.453	0	%100
41	M49	X	16.239	16.239	0	%100
42	M49	Z	9.376	9.376	0	%100
43	M50	X	4.06	4.06	0	%100
44	M50	Z	2.344	2.344	0	%100
45	M51	X	4.06	4.06	0	%100
46	M51	Z	2.344	2.344	0	%100
47	M72A	X	12.077	12.077	0	%100
48	M72A	Z	6.973	6.973	0	%100
49	M73A	X	5.852	5.852	0	%100
50	M73A	Z	3.379	3.379	0	%100
51	M74	X	5.852	5.852	0	%100
52	M74	Z	3.379	3.379	0	%100
53	M75	X	12.077	12.077	0	%100
54	M75	Z	6.973	6.973	0	%100
55	M76	X	11.084	11.084	0	%100
56	M76	Z	6.399	6.399	0	%100
57	M77	X	11.084	11.084	0	%100
58	M77	Z	6.399	6.399	0	%100
59	M73B	X	9.533	9.533	0	%100
60	M73B	Z	5.504	5.504	0	%100
61	M76A	X	2.383	2.383	0	%100
62	M76A	Z	1.376	1.376	0	%100
63	MP1C	X	7.714	7.714	0	%100
64	MP1C	Z	4.453	4.453	0	%100
65	MP2C	X	7.714	7.714	0	%100
66	MP2C	Z	4.453	4.453	0	%100
67	MP3C	X	7.714	7.714	0	%100
68	MP3C	Z	4.453	4.453	0	%100
69	MP4C	X	7.714	7.714	0	%100
70	MP4C	Z	4.453	4.453	0	%100
71	MP1B	X	7.714	7.714	0	%100
72	MP1B	Z	4.453	4.453	0	%100
73	MP2B	X	7.714	7.714	0	%100
74	MP2B	Z	4.453	4.453	0	%100
75	MP3B	X	7.714	7.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
76	MP3B	Z	4.453	4.453	0	%100
77	MP4B	X	7.714	7.714	0	%100
78	MP4B	Z	4.453	4.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	7.032	7.032	0	%100
2	M1	Z	12.179	12.179	0	%100
3	M12	X	1.745	1.745	0	%100
4	M12	Z	3.022	3.022	0	%100
5	M13	X	1.328	1.328	0	%100
6	M13	Z	2.301	2.301	0	%100
7	M26	X	3.34	3.34	0	%100
8	M26	Z	5.785	5.785	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	1.992	1.992	0	%100
16	M13B	Z	3.451	3.451	0	%100
17	M14	X	7.032	7.032	0	%100
18	M14	Z	12.179	12.179	0	%100
19	M20	X	7.969	7.969	0	%100
20	M20	Z	13.803	13.803	0	%100
21	M26A	X	1.992	1.992	0	%100
22	M26A	Z	3.451	3.451	0	%100
23	M25	X	3.34	3.34	0	%100
24	M25	Z	5.785	5.785	0	%100
25	M25B	X	6.98	6.98	0	%100
26	M25B	Z	12.089	12.089	0	%100
27	M26C	X	5.313	5.313	0	%100
28	M26C	Z	9.202	9.202	0	%100
29	M29A	X	1.745	1.745	0	%100
30	M29A	Z	3.022	3.022	0	%100
31	M30A	X	1.328	1.328	0	%100
32	M30A	Z	2.301	2.301	0	%100
33	MP1A	X	4.453	4.453	0	%100
34	MP1A	Z	7.714	7.714	0	%100
35	MP2A	X	4.453	4.453	0	%100
36	MP2A	Z	7.714	7.714	0	%100
37	MP3A	X	4.453	4.453	0	%100
38	MP3A	Z	7.714	7.714	0	%100
39	MP4A	X	4.453	4.453	0	%100
40	MP4A	Z	7.714	7.714	0	%100
41	M49	X	7.032	7.032	0	%100
42	M49	Z	12.179	12.179	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	7.032	7.032	0	%100
46	M51	Z	12.179	12.179	0	%100
47	M72A	X	7.788	7.788	0	%100
48	M72A	Z	13.49	13.49	0	%100
49	M73A	X	4.195	4.195	0	%100
50	M73A	Z	7.265	7.265	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
51	M74	X	4.768	4.768	0	%100
52	M74	Z	8.258	8.258	0	%100
53	M75	X	4.768	4.768	0	%100
54	M75	Z	8.258	8.258	0	%100
55	M76	X	4.195	4.195	0	%100
56	M76	Z	7.265	7.265	0	%100
57	M77	X	7.788	7.788	0	%100
58	M77	Z	13.49	13.49	0	%100
59	M73B	X	4.128	4.128	0	%100
60	M73B	Z	7.15	7.15	0	%100
61	M76A	X	4.128	4.128	0	%100
62	M76A	Z	7.15	7.15	0	%100
63	MP1C	X	4.453	4.453	0	%100
64	MP1C	Z	7.714	7.714	0	%100
65	MP2C	X	4.453	4.453	0	%100
66	MP2C	Z	7.714	7.714	0	%100
67	MP3C	X	4.453	4.453	0	%100
68	MP3C	Z	7.714	7.714	0	%100
69	MP4C	X	4.453	4.453	0	%100
70	MP4C	Z	7.714	7.714	0	%100
71	MP1B	X	4.453	4.453	0	%100
72	MP1B	Z	7.714	7.714	0	%100
73	MP2B	X	4.453	4.453	0	%100
74	MP2B	Z	7.714	7.714	0	%100
75	MP3B	X	4.453	4.453	0	%100
76	MP3B	Z	7.714	7.714	0	%100
77	MP4B	X	4.453	4.453	0	%100
78	MP4B	Z	7.714	7.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	18.751	18.751	0	%100
3	M12	X	0	0	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	8.907	8.907	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	2.752	2.752	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	4.688	4.688	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	2.227	2.227	0	%100
15	M13B	X	0	0	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	4.688	4.688	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	11.954	11.954	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	11.954	11.954	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	2.227	2.227	0	%100
25	M25B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
26	M25B	Z	10.47	10.47	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	7.969	7.969	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	10.47	10.47	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	7.969	7.969	0	%100
33	MP1A	X	0	0	0	%100
34	MP1A	Z	8.907	8.907	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	8.907	8.907	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	8.907	8.907	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	8.907	8.907	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	4.688	4.688	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	4.688	4.688	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	18.751	18.751	0	%100
47	M72A	X	0	0	0	%100
48	M72A	Z	12.799	12.799	0	%100
49	M73A	X	0	0	0	%100
50	M73A	Z	12.799	12.799	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	13.945	13.945	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	6.757	6.757	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	6.757	6.757	0	%100
57	M77	X	0	0	0	%100
58	M77	Z	13.945	13.945	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	2.752	2.752	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	11.008	11.008	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	8.907	8.907	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	8.907	8.907	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	8.907	8.907	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	8.907	8.907	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	8.907	8.907	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	8.907	8.907	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	8.907	8.907	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	8.907	8.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
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Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-7.032	-7.032	0	%100
2	M1	Z	12.179	12.179	0	%100
3	M12	X	-1.745	-1.745	0	%100
4	M12	Z	3.022	3.022	0	%100
5	M13	X	-1.328	-1.328	0	%100
6	M13	Z	2.301	2.301	0	%100
7	M26	X	-3.34	-3.34	0	%100
8	M26	Z	5.785	5.785	0	%100
9	M67	X	-4.128	-4.128	0	%100
10	M67	Z	7.15	7.15	0	%100
11	M12A	X	-7.032	-7.032	0	%100
12	M12A	Z	12.179	12.179	0	%100
13	M13A	X	-3.34	-3.34	0	%100
14	M13A	Z	5.785	5.785	0	%100
15	M13B	X	-1.992	-1.992	0	%100
16	M13B	Z	3.451	3.451	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	-1.992	-1.992	0	%100
20	M20	Z	3.451	3.451	0	%100
21	M26A	X	-7.969	-7.969	0	%100
22	M26A	Z	13.803	13.803	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	-1.745	-1.745	0	%100
26	M25B	Z	3.022	3.022	0	%100
27	M26C	X	-1.328	-1.328	0	%100
28	M26C	Z	2.301	2.301	0	%100
29	M29A	X	-6.98	-6.98	0	%100
30	M29A	Z	12.089	12.089	0	%100
31	M30A	X	-5.313	-5.313	0	%100
32	M30A	Z	9.202	9.202	0	%100
33	MP1A	X	-4.453	-4.453	0	%100
34	MP1A	Z	7.714	7.714	0	%100
35	MP2A	X	-4.453	-4.453	0	%100
36	MP2A	Z	7.714	7.714	0	%100
37	MP3A	X	-4.453	-4.453	0	%100
38	MP3A	Z	7.714	7.714	0	%100
39	MP4A	X	-4.453	-4.453	0	%100
40	MP4A	Z	7.714	7.714	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	-7.032	-7.032	0	%100
44	M50	Z	12.179	12.179	0	%100
45	M51	X	-7.032	-7.032	0	%100
46	M51	Z	12.179	12.179	0	%100
47	M72A	X	-4.195	-4.195	0	%100
48	M72A	Z	7.265	7.265	0	%100
49	M73A	X	-7.788	-7.788	0	%100
50	M73A	Z	13.49	13.49	0	%100
51	M74	X	-7.788	-7.788	0	%100
52	M74	Z	13.49	13.49	0	%100
53	M75	X	-4.195	-4.195	0	%100
54	M75	Z	7.265	7.265	0	%100
55	M76	X	-4.768	-4.768	0	%100
56	M76	Z	8.258	8.258	0	%100
57	M77	X	-4.768	-4.768	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
58	M77	Z	8.258	8.258	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	-4.128	-4.128	0	%100
62	M76A	Z	7.15	7.15	0	%100
63	MP1C	X	-4.453	-4.453	0	%100
64	MP1C	Z	7.714	7.714	0	%100
65	MP2C	X	-4.453	-4.453	0	%100
66	MP2C	Z	7.714	7.714	0	%100
67	MP3C	X	-4.453	-4.453	0	%100
68	MP3C	Z	7.714	7.714	0	%100
69	MP4C	X	-4.453	-4.453	0	%100
70	MP4C	Z	7.714	7.714	0	%100
71	MP1B	X	-4.453	-4.453	0	%100
72	MP1B	Z	7.714	7.714	0	%100
73	MP2B	X	-4.453	-4.453	0	%100
74	MP2B	Z	7.714	7.714	0	%100
75	MP3B	X	-4.453	-4.453	0	%100
76	MP3B	Z	7.714	7.714	0	%100
77	MP4B	X	-4.453	-4.453	0	%100
78	MP4B	Z	7.714	7.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-4.06	-4.06	0	%100
2	M1	Z	2.344	2.344	0	%100
3	M12	X	-9.067	-9.067	0	%100
4	M12	Z	5.235	5.235	0	%100
5	M13	X	-6.902	-6.902	0	%100
6	M13	Z	3.985	3.985	0	%100
7	M26	X	-1.928	-1.928	0	%100
8	M26	Z	1.113	1.113	0	%100
9	M67	X	-9.533	-9.533	0	%100
10	M67	Z	5.504	5.504	0	%100
11	M12A	X	-16.239	-16.239	0	%100
12	M12A	Z	9.376	9.376	0	%100
13	M13A	X	-7.714	-7.714	0	%100
14	M13A	Z	4.453	4.453	0	%100
15	M13B	X	-10.352	-10.352	0	%100
16	M13B	Z	5.977	5.977	0	%100
17	M14	X	-4.06	-4.06	0	%100
18	M14	Z	2.344	2.344	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	-10.352	-10.352	0	%100
22	M26A	Z	5.977	5.977	0	%100
23	M25	X	-1.928	-1.928	0	%100
24	M25	Z	1.113	1.113	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	-9.067	-9.067	0	%100
30	M29A	Z	5.235	5.235	0	%100
31	M30A	X	-6.902	-6.902	0	%100
32	M30A	Z	3.985	3.985	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
33	MP1A	X	-7.714	-7.714	0	%100
34	MP1A	Z	4.453	4.453	0	%100
35	MP2A	X	-7.714	-7.714	0	%100
36	MP2A	Z	4.453	4.453	0	%100
37	MP3A	X	-7.714	-7.714	0	%100
38	MP3A	Z	4.453	4.453	0	%100
39	MP4A	X	-7.714	-7.714	0	%100
40	MP4A	Z	4.453	4.453	0	%100
41	M49	X	-4.06	-4.06	0	%100
42	M49	Z	2.344	2.344	0	%100
43	M50	X	-16.239	-16.239	0	%100
44	M50	Z	9.376	9.376	0	%100
45	M51	X	-4.06	-4.06	0	%100
46	M51	Z	2.344	2.344	0	%100
47	M72A	X	-5.852	-5.852	0	%100
48	M72A	Z	3.379	3.379	0	%100
49	M73A	X	-12.077	-12.077	0	%100
50	M73A	Z	6.973	6.973	0	%100
51	M74	X	-11.084	-11.084	0	%100
52	M74	Z	6.399	6.399	0	%100
53	M75	X	-11.084	-11.084	0	%100
54	M75	Z	6.399	6.399	0	%100
55	M76	X	-12.077	-12.077	0	%100
56	M76	Z	6.973	6.973	0	%100
57	M77	X	-5.852	-5.852	0	%100
58	M77	Z	3.379	3.379	0	%100
59	M73B	X	-2.383	-2.383	0	%100
60	M73B	Z	1.376	1.376	0	%100
61	M76A	X	-2.383	-2.383	0	%100
62	M76A	Z	1.376	1.376	0	%100
63	MP1C	X	-7.714	-7.714	0	%100
64	MP1C	Z	4.453	4.453	0	%100
65	MP2C	X	-7.714	-7.714	0	%100
66	MP2C	Z	4.453	4.453	0	%100
67	MP3C	X	-7.714	-7.714	0	%100
68	MP3C	Z	4.453	4.453	0	%100
69	MP4C	X	-7.714	-7.714	0	%100
70	MP4C	Z	4.453	4.453	0	%100
71	MP1B	X	-7.714	-7.714	0	%100
72	MP1B	Z	4.453	4.453	0	%100
73	MP2B	X	-7.714	-7.714	0	%100
74	MP2B	Z	4.453	4.453	0	%100
75	MP3B	X	-7.714	-7.714	0	%100
76	MP3B	Z	4.453	4.453	0	%100
77	MP4B	X	-7.714	-7.714	0	%100
78	MP4B	Z	4.453	4.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M12	X	-13.959	-13.959	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	-10.626	-10.626	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
8	M26	Z	0	0	0	%100
9	M67	X	-8.256	-8.256	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	-14.064	-14.064	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	-6.68	-6.68	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	-15.939	-15.939	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	-14.064	-14.064	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	-3.985	-3.985	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	-3.985	-3.985	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	-6.68	-6.68	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	-3.49	-3.49	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	-2.656	-2.656	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	-3.49	-3.49	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	-2.656	-2.656	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	-8.907	-8.907	0	%100
34	MP1A	Z	0	0	0	%100
35	MP2A	X	-8.907	-8.907	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	-8.907	-8.907	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	-8.907	-8.907	0	%100
40	MP4A	Z	0	0	0	%100
41	M49	X	-14.064	-14.064	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	-14.064	-14.064	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	0	0	0	%100
47	M72A	X	-9.535	-9.535	0	%100
48	M72A	Z	0	0	0	%100
49	M73A	X	-9.535	-9.535	0	%100
50	M73A	Z	0	0	0	%100
51	M74	X	-8.389	-8.389	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	-15.577	-15.577	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	-15.577	-15.577	0	%100
56	M76	Z	0	0	0	%100
57	M77	X	-8.389	-8.389	0	%100
58	M77	Z	0	0	0	%100
59	M73B	X	-8.256	-8.256	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	0	0	0	%100
63	MP1C	X	-8.907	-8.907	0	%100
64	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
65	MP2C	X	-8.907	-8.907	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-8.907	-8.907	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-8.907	-8.907	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-8.907	-8.907	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-8.907	-8.907	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-8.907	-8.907	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-8.907	-8.907	0	%100
78	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-4.06	-4.06	0	%100
2	M1	Z	-2.344	-2.344	0	%100
3	M12	X	-9.067	-9.067	0	%100
4	M12	Z	-5.235	-5.235	0	%100
5	M13	X	-6.902	-6.902	0	%100
6	M13	Z	-3.985	-3.985	0	%100
7	M26	X	-1.928	-1.928	0	%100
8	M26	Z	-1.113	-1.113	0	%100
9	M67	X	-2.383	-2.383	0	%100
10	M67	Z	-1.376	-1.376	0	%100
11	M12A	X	-4.06	-4.06	0	%100
12	M12A	Z	-2.344	-2.344	0	%100
13	M13A	X	-1.928	-1.928	0	%100
14	M13A	Z	-1.113	-1.113	0	%100
15	M13B	X	-10.352	-10.352	0	%100
16	M13B	Z	-5.977	-5.977	0	%100
17	M14	X	-16.239	-16.239	0	%100
18	M14	Z	-9.376	-9.376	0	%100
19	M20	X	-10.352	-10.352	0	%100
20	M20	Z	-5.977	-5.977	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	-7.714	-7.714	0	%100
24	M25	Z	-4.453	-4.453	0	%100
25	M25B	X	-9.067	-9.067	0	%100
26	M25B	Z	-5.235	-5.235	0	%100
27	M26C	X	-6.902	-6.902	0	%100
28	M26C	Z	-3.985	-3.985	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	-7.714	-7.714	0	%100
34	MP1A	Z	-4.453	-4.453	0	%100
35	MP2A	X	-7.714	-7.714	0	%100
36	MP2A	Z	-4.453	-4.453	0	%100
37	MP3A	X	-7.714	-7.714	0	%100
38	MP3A	Z	-4.453	-4.453	0	%100
39	MP4A	X	-7.714	-7.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
40	MP4A	Z	-4.453	-4.453	0	%100
41	M49	X	-16.239	-16.239	0	%100
42	M49	Z	-9.376	-9.376	0	%100
43	M50	X	-4.06	-4.06	0	%100
44	M50	Z	-2.344	-2.344	0	%100
45	M51	X	-4.06	-4.06	0	%100
46	M51	Z	-2.344	-2.344	0	%100
47	M72A	X	-12.077	-12.077	0	%100
48	M72A	Z	-6.973	-6.973	0	%100
49	M73A	X	-5.852	-5.852	0	%100
50	M73A	Z	-3.379	-3.379	0	%100
51	M74	X	-5.852	-5.852	0	%100
52	M74	Z	-3.379	-3.379	0	%100
53	M75	X	-12.077	-12.077	0	%100
54	M75	Z	-6.973	-6.973	0	%100
55	M76	X	-11.084	-11.084	0	%100
56	M76	Z	-6.399	-6.399	0	%100
57	M77	X	-11.084	-11.084	0	%100
58	M77	Z	-6.399	-6.399	0	%100
59	M73B	X	-9.533	-9.533	0	%100
60	M73B	Z	-5.504	-5.504	0	%100
61	M76A	X	-2.383	-2.383	0	%100
62	M76A	Z	-1.376	-1.376	0	%100
63	MP1C	X	-7.714	-7.714	0	%100
64	MP1C	Z	-4.453	-4.453	0	%100
65	MP2C	X	-7.714	-7.714	0	%100
66	MP2C	Z	-4.453	-4.453	0	%100
67	MP3C	X	-7.714	-7.714	0	%100
68	MP3C	Z	-4.453	-4.453	0	%100
69	MP4C	X	-7.714	-7.714	0	%100
70	MP4C	Z	-4.453	-4.453	0	%100
71	MP1B	X	-7.714	-7.714	0	%100
72	MP1B	Z	-4.453	-4.453	0	%100
73	MP2B	X	-7.714	-7.714	0	%100
74	MP2B	Z	-4.453	-4.453	0	%100
75	MP3B	X	-7.714	-7.714	0	%100
76	MP3B	Z	-4.453	-4.453	0	%100
77	MP4B	X	-7.714	-7.714	0	%100
78	MP4B	Z	-4.453	-4.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-7.032	-7.032	0	%100
2	M1	Z	-12.179	-12.179	0	%100
3	M12	X	-1.745	-1.745	0	%100
4	M12	Z	-3.022	-3.022	0	%100
5	M13	X	-1.328	-1.328	0	%100
6	M13	Z	-2.301	-2.301	0	%100
7	M26	X	-3.34	-3.34	0	%100
8	M26	Z	-5.785	-5.785	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
15	M13B	X	-1.992	-1.992	0	%100
16	M13B	Z	-3.451	-3.451	0	%100
17	M14	X	-7.032	-7.032	0	%100
18	M14	Z	-12.179	-12.179	0	%100
19	M20	X	-7.969	-7.969	0	%100
20	M20	Z	-13.803	-13.803	0	%100
21	M26A	X	-1.992	-1.992	0	%100
22	M26A	Z	-3.451	-3.451	0	%100
23	M25	X	-3.34	-3.34	0	%100
24	M25	Z	-5.785	-5.785	0	%100
25	M25B	X	-6.98	-6.98	0	%100
26	M25B	Z	-12.089	-12.089	0	%100
27	M26C	X	-5.313	-5.313	0	%100
28	M26C	Z	-9.202	-9.202	0	%100
29	M29A	X	-1.745	-1.745	0	%100
30	M29A	Z	-3.022	-3.022	0	%100
31	M30A	X	-1.328	-1.328	0	%100
32	M30A	Z	-2.301	-2.301	0	%100
33	MP1A	X	-4.453	-4.453	0	%100
34	MP1A	Z	-7.714	-7.714	0	%100
35	MP2A	X	-4.453	-4.453	0	%100
36	MP2A	Z	-7.714	-7.714	0	%100
37	MP3A	X	-4.453	-4.453	0	%100
38	MP3A	Z	-7.714	-7.714	0	%100
39	MP4A	X	-4.453	-4.453	0	%100
40	MP4A	Z	-7.714	-7.714	0	%100
41	M49	X	-7.032	-7.032	0	%100
42	M49	Z	-12.179	-12.179	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	-7.032	-7.032	0	%100
46	M51	Z	-12.179	-12.179	0	%100
47	M72A	X	-7.788	-7.788	0	%100
48	M72A	Z	-13.49	-13.49	0	%100
49	M73A	X	-4.195	-4.195	0	%100
50	M73A	Z	-7.265	-7.265	0	%100
51	M74	X	-4.768	-4.768	0	%100
52	M74	Z	-8.258	-8.258	0	%100
53	M75	X	-4.768	-4.768	0	%100
54	M75	Z	-8.258	-8.258	0	%100
55	M76	X	-4.195	-4.195	0	%100
56	M76	Z	-7.265	-7.265	0	%100
57	M77	X	-7.788	-7.788	0	%100
58	M77	Z	-13.49	-13.49	0	%100
59	M73B	X	-4.128	-4.128	0	%100
60	M73B	Z	-7.15	-7.15	0	%100
61	M76A	X	-4.128	-4.128	0	%100
62	M76A	Z	-7.15	-7.15	0	%100
63	MP1C	X	-4.453	-4.453	0	%100
64	MP1C	Z	-7.714	-7.714	0	%100
65	MP2C	X	-4.453	-4.453	0	%100
66	MP2C	Z	-7.714	-7.714	0	%100
67	MP3C	X	-4.453	-4.453	0	%100
68	MP3C	Z	-7.714	-7.714	0	%100
69	MP4C	X	-4.453	-4.453	0	%100
70	MP4C	Z	-7.714	-7.714	0	%100
71	MP1B	X	-4.453	-4.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
72	MP1B	Z	-7.714	-7.714	0	%100
73	MP2B	X	-4.453	-4.453	0	%100
74	MP2B	Z	-7.714	-7.714	0	%100
75	MP3B	X	-4.453	-4.453	0	%100
76	MP3B	Z	-7.714	-7.714	0	%100
77	MP4B	X	-4.453	-4.453	0	%100
78	MP4B	Z	-7.714	-7.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-5.594	-5.594	0	%100
3	M12	X	0	0	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	-3.826	-3.826	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	-.85	-.85	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	-1.398	-1.398	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	-.957	-.957	0	%100
15	M13B	X	0	0	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	-1.398	-1.398	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-3.492	-3.492	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	-3.492	-3.492	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-.957	-.957	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	-3.001	-3.001	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	-2.405	-2.405	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	-3.001	-3.001	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	-2.405	-2.405	0	%100
33	MP1A	X	0	0	0	%100
34	MP1A	Z	-3.826	-3.826	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-3.693	-3.693	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	-3.693	-3.693	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	-3.693	-3.693	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	-1.398	-1.398	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	-1.398	-1.398	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	-5.594	-5.594	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
47	M72A	X	0	0	0	%100
48	M72A	Z	-4.022	-4.022	0	%100
49	M73A	X	0	0	0	%100
50	M73A	Z	-4.022	-4.022	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	-4.382	-4.382	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	-2.123	-2.123	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	-2.123	-2.123	0	%100
57	M77	X	0	0	0	%100
58	M77	Z	-4.382	-4.382	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	-.85	-.85	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	-3.399	-3.399	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-3.826	-3.826	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-3.693	-3.693	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-3.693	-3.693	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-3.693	-3.693	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-3.826	-3.826	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-3.693	-3.693	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-3.693	-3.693	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-3.693	-3.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	2.098	2.098	0	%100
2	M1	Z	-3.633	-3.633	0	%100
3	M12	X	.5	.5	0	%100
4	M12	Z	-.866	-.866	0	%100
5	M13	X	.401	.401	0	%100
6	M13	Z	-.694	-.694	0	%100
7	M26	X	1.435	1.435	0	%100
8	M26	Z	-2.485	-2.485	0	%100
9	M67	X	1.275	1.275	0	%100
10	M67	Z	-2.208	-2.208	0	%100
11	M12A	X	2.098	2.098	0	%100
12	M12A	Z	-3.633	-3.633	0	%100
13	M13A	X	1.435	1.435	0	%100
14	M13A	Z	-2.485	-2.485	0	%100
15	M13B	X	.582	.582	0	%100
16	M13B	Z	-1.008	-1.008	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	.582	.582	0	%100
20	M20	Z	-1.008	-1.008	0	%100
21	M26A	X	2.328	2.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
22	M26A	Z	-4.032	-4.032	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	.5	.5	0	%100
26	M25B	Z	-.866	-.866	0	%100
27	M26C	X	.401	.401	0	%100
28	M26C	Z	-.694	-.694	0	%100
29	M29A	X	2.001	2.001	0	%100
30	M29A	Z	-3.465	-3.465	0	%100
31	M30A	X	1.603	1.603	0	%100
32	M30A	Z	-2.777	-2.777	0	%100
33	MP1A	X	1.913	1.913	0	%100
34	MP1A	Z	-3.314	-3.314	0	%100
35	MP2A	X	1.846	1.846	0	%100
36	MP2A	Z	-3.198	-3.198	0	%100
37	MP3A	X	1.846	1.846	0	%100
38	MP3A	Z	-3.198	-3.198	0	%100
39	MP4A	X	1.846	1.846	0	%100
40	MP4A	Z	-3.198	-3.198	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	2.098	2.098	0	%100
44	M50	Z	-3.633	-3.633	0	%100
45	M51	X	2.098	2.098	0	%100
46	M51	Z	-3.633	-3.633	0	%100
47	M72A	X	1.318	1.318	0	%100
48	M72A	Z	-2.283	-2.283	0	%100
49	M73A	X	2.447	2.447	0	%100
50	M73A	Z	-4.239	-4.239	0	%100
51	M74	X	2.447	2.447	0	%100
52	M74	Z	-4.239	-4.239	0	%100
53	M75	X	1.318	1.318	0	%100
54	M75	Z	-2.283	-2.283	0	%100
55	M76	X	1.498	1.498	0	%100
56	M76	Z	-2.595	-2.595	0	%100
57	M77	X	1.498	1.498	0	%100
58	M77	Z	-2.595	-2.595	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	1.275	1.275	0	%100
62	M76A	Z	-2.208	-2.208	0	%100
63	MP1C	X	1.913	1.913	0	%100
64	MP1C	Z	-3.314	-3.314	0	%100
65	MP2C	X	1.846	1.846	0	%100
66	MP2C	Z	-3.198	-3.198	0	%100
67	MP3C	X	1.846	1.846	0	%100
68	MP3C	Z	-3.198	-3.198	0	%100
69	MP4C	X	1.846	1.846	0	%100
70	MP4C	Z	-3.198	-3.198	0	%100
71	MP1B	X	1.913	1.913	0	%100
72	MP1B	Z	-3.314	-3.314	0	%100
73	MP2B	X	1.846	1.846	0	%100
74	MP2B	Z	-3.198	-3.198	0	%100
75	MP3B	X	1.846	1.846	0	%100
76	MP3B	Z	-3.198	-3.198	0	%100
77	MP4B	X	1.846	1.846	0	%100
78	MP4B	Z	-3.198	-3.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.211	1.211	0	%100
2	M1	Z	-.699	-.699	0	%100
3	M12	X	2.599	2.599	0	%100
4	M12	Z	-1.501	-1.501	0	%100
5	M13	X	2.083	2.083	0	%100
6	M13	Z	-1.203	-1.203	0	%100
7	M26	X	.828	.828	0	%100
8	M26	Z	-.478	-.478	0	%100
9	M67	X	2.944	2.944	0	%100
10	M67	Z	-1.699	-1.699	0	%100
11	M12A	X	4.844	4.844	0	%100
12	M12A	Z	-2.797	-2.797	0	%100
13	M13A	X	3.314	3.314	0	%100
14	M13A	Z	-1.913	-1.913	0	%100
15	M13B	X	3.024	3.024	0	%100
16	M13B	Z	-1.746	-1.746	0	%100
17	M14	X	1.211	1.211	0	%100
18	M14	Z	-.699	-.699	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	3.024	3.024	0	%100
22	M26A	Z	-1.746	-1.746	0	%100
23	M25	X	.828	.828	0	%100
24	M25	Z	-.478	-.478	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	2.599	2.599	0	%100
30	M29A	Z	-1.501	-1.501	0	%100
31	M30A	X	2.083	2.083	0	%100
32	M30A	Z	-1.203	-1.203	0	%100
33	MP1A	X	3.314	3.314	0	%100
34	MP1A	Z	-1.913	-1.913	0	%100
35	MP2A	X	3.198	3.198	0	%100
36	MP2A	Z	-1.846	-1.846	0	%100
37	MP3A	X	3.198	3.198	0	%100
38	MP3A	Z	-1.846	-1.846	0	%100
39	MP4A	X	3.198	3.198	0	%100
40	MP4A	Z	-1.846	-1.846	0	%100
41	M49	X	1.211	1.211	0	%100
42	M49	Z	-.699	-.699	0	%100
43	M50	X	4.844	4.844	0	%100
44	M50	Z	-2.797	-2.797	0	%100
45	M51	X	1.211	1.211	0	%100
46	M51	Z	-.699	-.699	0	%100
47	M72A	X	1.839	1.839	0	%100
48	M72A	Z	-1.062	-1.062	0	%100
49	M73A	X	3.795	3.795	0	%100
50	M73A	Z	-2.191	-2.191	0	%100
51	M74	X	3.483	3.483	0	%100
52	M74	Z	-2.011	-2.011	0	%100
53	M75	X	3.483	3.483	0	%100
54	M75	Z	-2.011	-2.011	0	%100
55	M76	X	3.795	3.795	0	%100
56	M76	Z	-2.191	-2.191	0	%100
57	M77	X	1.839	1.839	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
58	M77	Z	-1.062	-1.062	0	%100
59	M73B	X	.736	.736	0	%100
60	M73B	Z	-.425	-.425	0	%100
61	M76A	X	.736	.736	0	%100
62	M76A	Z	-.425	-.425	0	%100
63	MP1C	X	3.314	3.314	0	%100
64	MP1C	Z	-1.913	-1.913	0	%100
65	MP2C	X	3.198	3.198	0	%100
66	MP2C	Z	-1.846	-1.846	0	%100
67	MP3C	X	3.198	3.198	0	%100
68	MP3C	Z	-1.846	-1.846	0	%100
69	MP4C	X	3.198	3.198	0	%100
70	MP4C	Z	-1.846	-1.846	0	%100
71	MP1B	X	3.314	3.314	0	%100
72	MP1B	Z	-1.913	-1.913	0	%100
73	MP2B	X	3.198	3.198	0	%100
74	MP2B	Z	-1.846	-1.846	0	%100
75	MP3B	X	3.198	3.198	0	%100
76	MP3B	Z	-1.846	-1.846	0	%100
77	MP4B	X	3.198	3.198	0	%100
78	MP4B	Z	-1.846	-1.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M12	X	4.002	4.002	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	3.207	3.207	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	0	0	0	%100
9	M67	X	2.549	2.549	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	4.195	4.195	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	2.87	2.87	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	4.656	4.656	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	4.195	4.195	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	1.164	1.164	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	1.164	1.164	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	2.87	2.87	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	1	1	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	.802	.802	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	1	1	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	.802	.802	0	%100
32	M30A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
33	MP1A	X	3.826	3.826	0	%100
34	MP1A	Z	0	0	0	%100
35	MP2A	X	3.693	3.693	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	3.693	3.693	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	3.693	3.693	0	%100
40	MP4A	Z	0	0	0	%100
41	M49	X	4.195	4.195	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	4.195	4.195	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	0	0	0	%100
47	M72A	X	2.996	2.996	0	%100
48	M72A	Z	0	0	0	%100
49	M73A	X	2.996	2.996	0	%100
50	M73A	Z	0	0	0	%100
51	M74	X	2.636	2.636	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	4.895	4.895	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	4.895	4.895	0	%100
56	M76	Z	0	0	0	%100
57	M77	X	2.636	2.636	0	%100
58	M77	Z	0	0	0	%100
59	M73B	X	2.549	2.549	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	0	0	0	%100
63	MP1C	X	3.826	3.826	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	3.693	3.693	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	3.693	3.693	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	3.693	3.693	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	3.826	3.826	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	3.693	3.693	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	3.693	3.693	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	3.693	3.693	0	%100
78	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	1.211	1.211	0	%100
2	M1	Z	.699	.699	0	%100
3	M12	X	2.599	2.599	0	%100
4	M12	Z	1.501	1.501	0	%100
5	M13	X	2.083	2.083	0	%100
6	M13	Z	1.203	1.203	0	%100
7	M26	X	.828	.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
8	M26	Z	.478	.478	0	%100
9	M67	X	.736	.736	0	%100
10	M67	Z	.425	.425	0	%100
11	M12A	X	1.211	1.211	0	%100
12	M12A	Z	.699	.699	0	%100
13	M13A	X	.828	.828	0	%100
14	M13A	Z	.478	.478	0	%100
15	M13B	X	3.024	3.024	0	%100
16	M13B	Z	1.746	1.746	0	%100
17	M14	X	4.844	4.844	0	%100
18	M14	Z	2.797	2.797	0	%100
19	M20	X	3.024	3.024	0	%100
20	M20	Z	1.746	1.746	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	3.314	3.314	0	%100
24	M25	Z	1.913	1.913	0	%100
25	M25B	X	2.599	2.599	0	%100
26	M25B	Z	1.501	1.501	0	%100
27	M26C	X	2.083	2.083	0	%100
28	M26C	Z	1.203	1.203	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	3.314	3.314	0	%100
34	MP1A	Z	1.913	1.913	0	%100
35	MP2A	X	3.198	3.198	0	%100
36	MP2A	Z	1.846	1.846	0	%100
37	MP3A	X	3.198	3.198	0	%100
38	MP3A	Z	1.846	1.846	0	%100
39	MP4A	X	3.198	3.198	0	%100
40	MP4A	Z	1.846	1.846	0	%100
41	M49	X	4.844	4.844	0	%100
42	M49	Z	2.797	2.797	0	%100
43	M50	X	1.211	1.211	0	%100
44	M50	Z	.699	.699	0	%100
45	M51	X	1.211	1.211	0	%100
46	M51	Z	.699	.699	0	%100
47	M72A	X	3.795	3.795	0	%100
48	M72A	Z	2.191	2.191	0	%100
49	M73A	X	1.839	1.839	0	%100
50	M73A	Z	1.062	1.062	0	%100
51	M74	X	1.839	1.839	0	%100
52	M74	Z	1.062	1.062	0	%100
53	M75	X	3.795	3.795	0	%100
54	M75	Z	2.191	2.191	0	%100
55	M76	X	3.483	3.483	0	%100
56	M76	Z	2.011	2.011	0	%100
57	M77	X	3.483	3.483	0	%100
58	M77	Z	2.011	2.011	0	%100
59	M73B	X	2.944	2.944	0	%100
60	M73B	Z	1.699	1.699	0	%100
61	M76A	X	.736	.736	0	%100
62	M76A	Z	.425	.425	0	%100
63	MP1C	X	3.314	3.314	0	%100
64	MP1C	Z	1.913	1.913	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
65	MP2C	X	3.198	3.198	0	%100
66	MP2C	Z	1.846	1.846	0	%100
67	MP3C	X	3.198	3.198	0	%100
68	MP3C	Z	1.846	1.846	0	%100
69	MP4C	X	3.198	3.198	0	%100
70	MP4C	Z	1.846	1.846	0	%100
71	MP1B	X	3.314	3.314	0	%100
72	MP1B	Z	1.913	1.913	0	%100
73	MP2B	X	3.198	3.198	0	%100
74	MP2B	Z	1.846	1.846	0	%100
75	MP3B	X	3.198	3.198	0	%100
76	MP3B	Z	1.846	1.846	0	%100
77	MP4B	X	3.198	3.198	0	%100
78	MP4B	Z	1.846	1.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.098	2.098	0	%100
2	M1	Z	3.633	3.633	0	%100
3	M12	X	.5	.5	0	%100
4	M12	Z	.866	.866	0	%100
5	M13	X	.401	.401	0	%100
6	M13	Z	.694	.694	0	%100
7	M26	X	1.435	1.435	0	%100
8	M26	Z	2.485	2.485	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	.582	.582	0	%100
16	M13B	Z	1.008	1.008	0	%100
17	M14	X	2.098	2.098	0	%100
18	M14	Z	3.633	3.633	0	%100
19	M20	X	2.328	2.328	0	%100
20	M20	Z	4.032	4.032	0	%100
21	M26A	X	.582	.582	0	%100
22	M26A	Z	1.008	1.008	0	%100
23	M25	X	1.435	1.435	0	%100
24	M25	Z	2.485	2.485	0	%100
25	M25B	X	2.001	2.001	0	%100
26	M25B	Z	3.465	3.465	0	%100
27	M26C	X	1.603	1.603	0	%100
28	M26C	Z	2.777	2.777	0	%100
29	M29A	X	.5	.5	0	%100
30	M29A	Z	.866	.866	0	%100
31	M30A	X	.401	.401	0	%100
32	M30A	Z	.694	.694	0	%100
33	MP1A	X	1.913	1.913	0	%100
34	MP1A	Z	3.314	3.314	0	%100
35	MP2A	X	1.846	1.846	0	%100
36	MP2A	Z	3.198	3.198	0	%100
37	MP3A	X	1.846	1.846	0	%100
38	MP3A	Z	3.198	3.198	0	%100
39	MP4A	X	1.846	1.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
40	MP4A	Z	3.198	3.198	0	%100
41	M49	X	2.098	2.098	0	%100
42	M49	Z	3.633	3.633	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	2.098	2.098	0	%100
46	M51	Z	3.633	3.633	0	%100
47	M72A	X	2.447	2.447	0	%100
48	M72A	Z	4.239	4.239	0	%100
49	M73A	X	1.318	1.318	0	%100
50	M73A	Z	2.283	2.283	0	%100
51	M74	X	1.498	1.498	0	%100
52	M74	Z	2.595	2.595	0	%100
53	M75	X	1.498	1.498	0	%100
54	M75	Z	2.595	2.595	0	%100
55	M76	X	1.318	1.318	0	%100
56	M76	Z	2.283	2.283	0	%100
57	M77	X	2.447	2.447	0	%100
58	M77	Z	4.239	4.239	0	%100
59	M73B	X	1.275	1.275	0	%100
60	M73B	Z	2.208	2.208	0	%100
61	M76A	X	1.275	1.275	0	%100
62	M76A	Z	2.208	2.208	0	%100
63	MP1C	X	1.913	1.913	0	%100
64	MP1C	Z	3.314	3.314	0	%100
65	MP2C	X	1.846	1.846	0	%100
66	MP2C	Z	3.198	3.198	0	%100
67	MP3C	X	1.846	1.846	0	%100
68	MP3C	Z	3.198	3.198	0	%100
69	MP4C	X	1.846	1.846	0	%100
70	MP4C	Z	3.198	3.198	0	%100
71	MP1B	X	1.913	1.913	0	%100
72	MP1B	Z	3.314	3.314	0	%100
73	MP2B	X	1.846	1.846	0	%100
74	MP2B	Z	3.198	3.198	0	%100
75	MP3B	X	1.846	1.846	0	%100
76	MP3B	Z	3.198	3.198	0	%100
77	MP4B	X	1.846	1.846	0	%100
78	MP4B	Z	3.198	3.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	5.594	5.594	0	%100
3	M12	X	0	0	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	3.826	3.826	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	.85	.85	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	1.398	1.398	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	.957	.957	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
15	M13B	X	0	0	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	1.398	1.398	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	3.492	3.492	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	3.492	3.492	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	.957	.957	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	3.001	3.001	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	2.405	2.405	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	3.001	3.001	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	2.405	2.405	0	%100
33	MP1A	X	0	0	0	%100
34	MP1A	Z	3.826	3.826	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	3.693	3.693	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	3.693	3.693	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	3.693	3.693	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	1.398	1.398	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	1.398	1.398	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	5.594	5.594	0	%100
47	M72A	X	0	0	0	%100
48	M72A	Z	4.022	4.022	0	%100
49	M73A	X	0	0	0	%100
50	M73A	Z	4.022	4.022	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	4.382	4.382	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	2.123	2.123	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	2.123	2.123	0	%100
57	M77	X	0	0	0	%100
58	M77	Z	4.382	4.382	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	.85	.85	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	3.399	3.399	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	3.826	3.826	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	3.693	3.693	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	3.693	3.693	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	3.693	3.693	0	%100
71	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
72	MP1B	Z	3.826	3.826	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	3.693	3.693	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	3.693	3.693	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	3.693	3.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.098	-2.098	0	%100
2	M1	Z	3.633	3.633	0	%100
3	M12	X	-.5	-.5	0	%100
4	M12	Z	.866	.866	0	%100
5	M13	X	-.401	-.401	0	%100
6	M13	Z	.694	.694	0	%100
7	M26	X	-1.435	-1.435	0	%100
8	M26	Z	2.485	2.485	0	%100
9	M67	X	-1.275	-1.275	0	%100
10	M67	Z	2.208	2.208	0	%100
11	M12A	X	-2.098	-2.098	0	%100
12	M12A	Z	3.633	3.633	0	%100
13	M13A	X	-1.435	-1.435	0	%100
14	M13A	Z	2.485	2.485	0	%100
15	M13B	X	-.582	-.582	0	%100
16	M13B	Z	1.008	1.008	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	-.582	-.582	0	%100
20	M20	Z	1.008	1.008	0	%100
21	M26A	X	-2.328	-2.328	0	%100
22	M26A	Z	4.032	4.032	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	-.5	-.5	0	%100
26	M25B	Z	.866	.866	0	%100
27	M26C	X	-.401	-.401	0	%100
28	M26C	Z	.694	.694	0	%100
29	M29A	X	-2.001	-2.001	0	%100
30	M29A	Z	3.465	3.465	0	%100
31	M30A	X	-1.603	-1.603	0	%100
32	M30A	Z	2.777	2.777	0	%100
33	MP1A	X	-1.913	-1.913	0	%100
34	MP1A	Z	3.314	3.314	0	%100
35	MP2A	X	-1.846	-1.846	0	%100
36	MP2A	Z	3.198	3.198	0	%100
37	MP3A	X	-1.846	-1.846	0	%100
38	MP3A	Z	3.198	3.198	0	%100
39	MP4A	X	-1.846	-1.846	0	%100
40	MP4A	Z	3.198	3.198	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	-2.098	-2.098	0	%100
44	M50	Z	3.633	3.633	0	%100
45	M51	X	-2.098	-2.098	0	%100
46	M51	Z	3.633	3.633	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
47	M72A	X	-1.318	-1.318	0	%100
48	M72A	Z	2.283	2.283	0	%100
49	M73A	X	-2.447	-2.447	0	%100
50	M73A	Z	4.239	4.239	0	%100
51	M74	X	-2.447	-2.447	0	%100
52	M74	Z	4.239	4.239	0	%100
53	M75	X	-1.318	-1.318	0	%100
54	M75	Z	2.283	2.283	0	%100
55	M76	X	-1.498	-1.498	0	%100
56	M76	Z	2.595	2.595	0	%100
57	M77	X	-1.498	-1.498	0	%100
58	M77	Z	2.595	2.595	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	-1.275	-1.275	0	%100
62	M76A	Z	2.208	2.208	0	%100
63	MP1C	X	-1.913	-1.913	0	%100
64	MP1C	Z	3.314	3.314	0	%100
65	MP2C	X	-1.846	-1.846	0	%100
66	MP2C	Z	3.198	3.198	0	%100
67	MP3C	X	-1.846	-1.846	0	%100
68	MP3C	Z	3.198	3.198	0	%100
69	MP4C	X	-1.846	-1.846	0	%100
70	MP4C	Z	3.198	3.198	0	%100
71	MP1B	X	-1.913	-1.913	0	%100
72	MP1B	Z	3.314	3.314	0	%100
73	MP2B	X	-1.846	-1.846	0	%100
74	MP2B	Z	3.198	3.198	0	%100
75	MP3B	X	-1.846	-1.846	0	%100
76	MP3B	Z	3.198	3.198	0	%100
77	MP4B	X	-1.846	-1.846	0	%100
78	MP4B	Z	3.198	3.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.211	-1.211	0	%100
2	M1	Z	.699	.699	0	%100
3	M12	X	-2.599	-2.599	0	%100
4	M12	Z	1.501	1.501	0	%100
5	M13	X	-2.083	-2.083	0	%100
6	M13	Z	1.203	1.203	0	%100
7	M26	X	-.828	-.828	0	%100
8	M26	Z	.478	.478	0	%100
9	M67	X	-2.944	-2.944	0	%100
10	M67	Z	1.699	1.699	0	%100
11	M12A	X	-4.844	-4.844	0	%100
12	M12A	Z	2.797	2.797	0	%100
13	M13A	X	-3.314	-3.314	0	%100
14	M13A	Z	1.913	1.913	0	%100
15	M13B	X	-3.024	-3.024	0	%100
16	M13B	Z	1.746	1.746	0	%100
17	M14	X	-1.211	-1.211	0	%100
18	M14	Z	.699	.699	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	-3.024	-3.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
22	M26A	Z	1.746	1.746	0	%100
23	M25	X	-.828	-.828	0	%100
24	M25	Z	.478	.478	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	-2.599	-2.599	0	%100
30	M29A	Z	1.501	1.501	0	%100
31	M30A	X	-2.083	-2.083	0	%100
32	M30A	Z	1.203	1.203	0	%100
33	MP1A	X	-3.314	-3.314	0	%100
34	MP1A	Z	1.913	1.913	0	%100
35	MP2A	X	-3.198	-3.198	0	%100
36	MP2A	Z	1.846	1.846	0	%100
37	MP3A	X	-3.198	-3.198	0	%100
38	MP3A	Z	1.846	1.846	0	%100
39	MP4A	X	-3.198	-3.198	0	%100
40	MP4A	Z	1.846	1.846	0	%100
41	M49	X	-1.211	-1.211	0	%100
42	M49	Z	.699	.699	0	%100
43	M50	X	-4.844	-4.844	0	%100
44	M50	Z	2.797	2.797	0	%100
45	M51	X	-1.211	-1.211	0	%100
46	M51	Z	.699	.699	0	%100
47	M72A	X	-1.839	-1.839	0	%100
48	M72A	Z	1.062	1.062	0	%100
49	M73A	X	-3.795	-3.795	0	%100
50	M73A	Z	2.191	2.191	0	%100
51	M74	X	-3.483	-3.483	0	%100
52	M74	Z	2.011	2.011	0	%100
53	M75	X	-3.483	-3.483	0	%100
54	M75	Z	2.011	2.011	0	%100
55	M76	X	-3.795	-3.795	0	%100
56	M76	Z	2.191	2.191	0	%100
57	M77	X	-1.839	-1.839	0	%100
58	M77	Z	1.062	1.062	0	%100
59	M73B	X	-.736	-.736	0	%100
60	M73B	Z	.425	.425	0	%100
61	M76A	X	-.736	-.736	0	%100
62	M76A	Z	.425	.425	0	%100
63	MP1C	X	-3.314	-3.314	0	%100
64	MP1C	Z	1.913	1.913	0	%100
65	MP2C	X	-3.198	-3.198	0	%100
66	MP2C	Z	1.846	1.846	0	%100
67	MP3C	X	-3.198	-3.198	0	%100
68	MP3C	Z	1.846	1.846	0	%100
69	MP4C	X	-3.198	-3.198	0	%100
70	MP4C	Z	1.846	1.846	0	%100
71	MP1B	X	-3.314	-3.314	0	%100
72	MP1B	Z	1.913	1.913	0	%100
73	MP2B	X	-3.198	-3.198	0	%100
74	MP2B	Z	1.846	1.846	0	%100
75	MP3B	X	-3.198	-3.198	0	%100
76	MP3B	Z	1.846	1.846	0	%100
77	MP4B	X	-3.198	-3.198	0	%100
78	MP4B	Z	1.846	1.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M12	X	-4.002	-4.002	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	-3.207	-3.207	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	0	0	0	%100
9	M67	X	-2.549	-2.549	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	-4.195	-4.195	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	-2.87	-2.87	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	-4.656	-4.656	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	-4.195	-4.195	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	-1.164	-1.164	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	-1.164	-1.164	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	-2.87	-2.87	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	-1	-1	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	-0.802	-0.802	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	-1	-1	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	-0.802	-0.802	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	-3.826	-3.826	0	%100
34	MP1A	Z	0	0	0	%100
35	MP2A	X	-3.693	-3.693	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	-3.693	-3.693	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	-3.693	-3.693	0	%100
40	MP4A	Z	0	0	0	%100
41	M49	X	-4.195	-4.195	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	-4.195	-4.195	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	0	0	0	%100
47	M72A	X	-2.996	-2.996	0	%100
48	M72A	Z	0	0	0	%100
49	M73A	X	-2.996	-2.996	0	%100
50	M73A	Z	0	0	0	%100
51	M74	X	-2.636	-2.636	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	-4.895	-4.895	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	-4.895	-4.895	0	%100
56	M76	Z	0	0	0	%100
57	M77	X	-2.636	-2.636	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
58	M77	Z	0	0	0	%100
59	M73B	X	-2.549	-2.549	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	0	0	0	%100
63	MP1C	X	-3.826	-3.826	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-3.693	-3.693	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-3.693	-3.693	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-3.693	-3.693	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-3.826	-3.826	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-3.693	-3.693	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-3.693	-3.693	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-3.693	-3.693	0	%100
78	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-1.211	-1.211	0	%100
2	M1	Z	-.699	-.699	0	%100
3	M12	X	-2.599	-2.599	0	%100
4	M12	Z	-1.501	-1.501	0	%100
5	M13	X	-2.083	-2.083	0	%100
6	M13	Z	-1.203	-1.203	0	%100
7	M26	X	-.828	-.828	0	%100
8	M26	Z	-.478	-.478	0	%100
9	M67	X	-.736	-.736	0	%100
10	M67	Z	-.425	-.425	0	%100
11	M12A	X	-1.211	-1.211	0	%100
12	M12A	Z	-.699	-.699	0	%100
13	M13A	X	-.828	-.828	0	%100
14	M13A	Z	-.478	-.478	0	%100
15	M13B	X	-3.024	-3.024	0	%100
16	M13B	Z	-1.746	-1.746	0	%100
17	M14	X	-4.844	-4.844	0	%100
18	M14	Z	-2.797	-2.797	0	%100
19	M20	X	-3.024	-3.024	0	%100
20	M20	Z	-1.746	-1.746	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	-3.314	-3.314	0	%100
24	M25	Z	-1.913	-1.913	0	%100
25	M25B	X	-2.599	-2.599	0	%100
26	M25B	Z	-1.501	-1.501	0	%100
27	M26C	X	-2.083	-2.083	0	%100
28	M26C	Z	-1.203	-1.203	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
33	MP1A	X	-3.314	-3.314	0	%100
34	MP1A	Z	-1.913	-1.913	0	%100
35	MP2A	X	-3.198	-3.198	0	%100
36	MP2A	Z	-1.846	-1.846	0	%100
37	MP3A	X	-3.198	-3.198	0	%100
38	MP3A	Z	-1.846	-1.846	0	%100
39	MP4A	X	-3.198	-3.198	0	%100
40	MP4A	Z	-1.846	-1.846	0	%100
41	M49	X	-4.844	-4.844	0	%100
42	M49	Z	-2.797	-2.797	0	%100
43	M50	X	-1.211	-1.211	0	%100
44	M50	Z	-.699	-.699	0	%100
45	M51	X	-1.211	-1.211	0	%100
46	M51	Z	-.699	-.699	0	%100
47	M72A	X	-3.795	-3.795	0	%100
48	M72A	Z	-2.191	-2.191	0	%100
49	M73A	X	-1.839	-1.839	0	%100
50	M73A	Z	-1.062	-1.062	0	%100
51	M74	X	-1.839	-1.839	0	%100
52	M74	Z	-1.062	-1.062	0	%100
53	M75	X	-3.795	-3.795	0	%100
54	M75	Z	-2.191	-2.191	0	%100
55	M76	X	-3.483	-3.483	0	%100
56	M76	Z	-2.011	-2.011	0	%100
57	M77	X	-3.483	-3.483	0	%100
58	M77	Z	-2.011	-2.011	0	%100
59	M73B	X	-2.944	-2.944	0	%100
60	M73B	Z	-1.699	-1.699	0	%100
61	M76A	X	-.736	-.736	0	%100
62	M76A	Z	-.425	-.425	0	%100
63	MP1C	X	-3.314	-3.314	0	%100
64	MP1C	Z	-1.913	-1.913	0	%100
65	MP2C	X	-3.198	-3.198	0	%100
66	MP2C	Z	-1.846	-1.846	0	%100
67	MP3C	X	-3.198	-3.198	0	%100
68	MP3C	Z	-1.846	-1.846	0	%100
69	MP4C	X	-3.198	-3.198	0	%100
70	MP4C	Z	-1.846	-1.846	0	%100
71	MP1B	X	-3.314	-3.314	0	%100
72	MP1B	Z	-1.913	-1.913	0	%100
73	MP2B	X	-3.198	-3.198	0	%100
74	MP2B	Z	-1.846	-1.846	0	%100
75	MP3B	X	-3.198	-3.198	0	%100
76	MP3B	Z	-1.846	-1.846	0	%100
77	MP4B	X	-3.198	-3.198	0	%100
78	MP4B	Z	-1.846	-1.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-2.098	-2.098	0	%100
2	M1	Z	-3.633	-3.633	0	%100
3	M12	X	-.5	-.5	0	%100
4	M12	Z	-.866	-.866	0	%100
5	M13	X	-.401	-.401	0	%100
6	M13	Z	-.694	-.694	0	%100
7	M26	X	-1.435	-1.435	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
8	M26	Z	-2.485	-2.485	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	-.582	-.582	0	%100
16	M13B	Z	-1.008	-1.008	0	%100
17	M14	X	-2.098	-2.098	0	%100
18	M14	Z	-3.633	-3.633	0	%100
19	M20	X	-2.328	-2.328	0	%100
20	M20	Z	-4.032	-4.032	0	%100
21	M26A	X	-.582	-.582	0	%100
22	M26A	Z	-1.008	-1.008	0	%100
23	M25	X	-1.435	-1.435	0	%100
24	M25	Z	-2.485	-2.485	0	%100
25	M25B	X	-2.001	-2.001	0	%100
26	M25B	Z	-3.465	-3.465	0	%100
27	M26C	X	-1.603	-1.603	0	%100
28	M26C	Z	-2.777	-2.777	0	%100
29	M29A	X	-.5	-.5	0	%100
30	M29A	Z	-.866	-.866	0	%100
31	M30A	X	-.401	-.401	0	%100
32	M30A	Z	-.694	-.694	0	%100
33	MP1A	X	-1.913	-1.913	0	%100
34	MP1A	Z	-3.314	-3.314	0	%100
35	MP2A	X	-1.846	-1.846	0	%100
36	MP2A	Z	-3.198	-3.198	0	%100
37	MP3A	X	-1.846	-1.846	0	%100
38	MP3A	Z	-3.198	-3.198	0	%100
39	MP4A	X	-1.846	-1.846	0	%100
40	MP4A	Z	-3.198	-3.198	0	%100
41	M49	X	-2.098	-2.098	0	%100
42	M49	Z	-3.633	-3.633	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	-2.098	-2.098	0	%100
46	M51	Z	-3.633	-3.633	0	%100
47	M72A	X	-2.447	-2.447	0	%100
48	M72A	Z	-4.239	-4.239	0	%100
49	M73A	X	-1.318	-1.318	0	%100
50	M73A	Z	-2.283	-2.283	0	%100
51	M74	X	-1.498	-1.498	0	%100
52	M74	Z	-2.595	-2.595	0	%100
53	M75	X	-1.498	-1.498	0	%100
54	M75	Z	-2.595	-2.595	0	%100
55	M76	X	-1.318	-1.318	0	%100
56	M76	Z	-2.283	-2.283	0	%100
57	M77	X	-2.447	-2.447	0	%100
58	M77	Z	-4.239	-4.239	0	%100
59	M73B	X	-1.275	-1.275	0	%100
60	M73B	Z	-2.208	-2.208	0	%100
61	M76A	X	-1.275	-1.275	0	%100
62	M76A	Z	-2.208	-2.208	0	%100
63	MP1C	X	-1.913	-1.913	0	%100
64	MP1C	Z	-3.314	-3.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
65	MP2C	X	-1.846	-1.846	0	%100
66	MP2C	Z	-3.198	-3.198	0	%100
67	MP3C	X	-1.846	-1.846	0	%100
68	MP3C	Z	-3.198	-3.198	0	%100
69	MP4C	X	-1.846	-1.846	0	%100
70	MP4C	Z	-3.198	-3.198	0	%100
71	MP1B	X	-1.913	-1.913	0	%100
72	MP1B	Z	-3.314	-3.314	0	%100
73	MP2B	X	-1.846	-1.846	0	%100
74	MP2B	Z	-3.198	-3.198	0	%100
75	MP3B	X	-1.846	-1.846	0	%100
76	MP3B	Z	-3.198	-3.198	0	%100
77	MP4B	X	-1.846	-1.846	0	%100
78	MP4B	Z	-3.198	-3.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.212	-1.212	0	%100
3	M12	X	0	0	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	-.576	-.576	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	-.178	-.178	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	-.303	-.303	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	-.144	-.144	0	%100
15	M13B	X	0	0	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	-.303	-.303	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.773	-.773	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	-.773	-.773	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-.144	-.144	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	-.677	-.677	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	-.515	-.515	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	-.677	-.677	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	-.515	-.515	0	%100
33	MP1A	X	0	0	0	%100
34	MP1A	Z	-.576	-.576	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-.576	-.576	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	-.576	-.576	0	%100
39	MP4A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
40	MP4A	Z	-.576	-.576	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	-.303	-.303	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	-.303	-.303	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	-1.212	-1.212	0	%100
47	M72A	X	0	0	0	%100
48	M72A	Z	-.827	-.827	0	%100
49	M73A	X	0	0	0	%100
50	M73A	Z	-.827	-.827	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	-.901	-.901	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	-.437	-.437	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	-.437	-.437	0	%100
57	M77	X	0	0	0	%100
58	M77	Z	-.901	-.901	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	-.178	-.178	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	-.712	-.712	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	-.576	-.576	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-.576	-.576	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	-.576	-.576	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-.576	-.576	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	-.576	-.576	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-.576	-.576	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	-.576	-.576	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	-.576	-.576	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.455	.455	0	%100
2	M1	Z	-.787	-.787	0	%100
3	M12	X	.113	.113	0	%100
4	M12	Z	-.195	-.195	0	%100
5	M13	X	.086	.086	0	%100
6	M13	Z	-.149	-.149	0	%100
7	M26	X	.216	.216	0	%100
8	M26	Z	-.374	-.374	0	%100
9	M67	X	.267	.267	0	%100
10	M67	Z	-.462	-.462	0	%100
11	M12A	X	.455	.455	0	%100
12	M12A	Z	-.787	-.787	0	%100
13	M13A	X	.216	.216	0	%100
14	M13A	Z	-.374	-.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
15	M13B	X	.129	.129	0	%100
16	M13B	Z	-.223	-.223	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	.129	.129	0	%100
20	M20	Z	-.223	-.223	0	%100
21	M26A	X	.515	.515	0	%100
22	M26A	Z	-.892	-.892	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	.113	.113	0	%100
26	M25B	Z	-.195	-.195	0	%100
27	M26C	X	.086	.086	0	%100
28	M26C	Z	-.149	-.149	0	%100
29	M29A	X	.451	.451	0	%100
30	M29A	Z	-.781	-.781	0	%100
31	M30A	X	.343	.343	0	%100
32	M30A	Z	-.595	-.595	0	%100
33	MP1A	X	.288	.288	0	%100
34	MP1A	Z	-.499	-.499	0	%100
35	MP2A	X	.288	.288	0	%100
36	MP2A	Z	-.499	-.499	0	%100
37	MP3A	X	.288	.288	0	%100
38	MP3A	Z	-.499	-.499	0	%100
39	MP4A	X	.288	.288	0	%100
40	MP4A	Z	-.499	-.499	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	.455	.455	0	%100
44	M50	Z	-.787	-.787	0	%100
45	M51	X	.455	.455	0	%100
46	M51	Z	-.787	-.787	0	%100
47	M72A	X	.271	.271	0	%100
48	M72A	Z	-.47	-.47	0	%100
49	M73A	X	.503	.503	0	%100
50	M73A	Z	-.872	-.872	0	%100
51	M74	X	.503	.503	0	%100
52	M74	Z	-.872	-.872	0	%100
53	M75	X	.271	.271	0	%100
54	M75	Z	-.47	-.47	0	%100
55	M76	X	.308	.308	0	%100
56	M76	Z	-.534	-.534	0	%100
57	M77	X	.308	.308	0	%100
58	M77	Z	-.534	-.534	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	.267	.267	0	%100
62	M76A	Z	-.462	-.462	0	%100
63	MP1C	X	.288	.288	0	%100
64	MP1C	Z	-.499	-.499	0	%100
65	MP2C	X	.288	.288	0	%100
66	MP2C	Z	-.499	-.499	0	%100
67	MP3C	X	.288	.288	0	%100
68	MP3C	Z	-.499	-.499	0	%100
69	MP4C	X	.288	.288	0	%100
70	MP4C	Z	-.499	-.499	0	%100
71	MP1B	X	.288	.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
72	MP1B	Z	-.499	-.499	0	%100
73	MP2B	X	.288	.288	0	%100
74	MP2B	Z	-.499	-.499	0	%100
75	MP3B	X	.288	.288	0	%100
76	MP3B	Z	-.499	-.499	0	%100
77	MP4B	X	.288	.288	0	%100
78	MP4B	Z	-.499	-.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.262	.262	0	%100
2	M1	Z	-.152	-.152	0	%100
3	M12	X	.586	.586	0	%100
4	M12	Z	-.338	-.338	0	%100
5	M13	X	.446	.446	0	%100
6	M13	Z	-.258	-.258	0	%100
7	M26	X	.125	.125	0	%100
8	M26	Z	-.072	-.072	0	%100
9	M67	X	.616	.616	0	%100
10	M67	Z	-.356	-.356	0	%100
11	M12A	X	1.05	1.05	0	%100
12	M12A	Z	-.606	-.606	0	%100
13	M13A	X	.499	.499	0	%100
14	M13A	Z	-.288	-.288	0	%100
15	M13B	X	.669	.669	0	%100
16	M13B	Z	-.386	-.386	0	%100
17	M14	X	.262	.262	0	%100
18	M14	Z	-.152	-.152	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	.669	.669	0	%100
22	M26A	Z	-.386	-.386	0	%100
23	M25	X	.125	.125	0	%100
24	M25	Z	-.072	-.072	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	.586	.586	0	%100
30	M29A	Z	-.338	-.338	0	%100
31	M30A	X	.446	.446	0	%100
32	M30A	Z	-.258	-.258	0	%100
33	MP1A	X	.499	.499	0	%100
34	MP1A	Z	-.288	-.288	0	%100
35	MP2A	X	.499	.499	0	%100
36	MP2A	Z	-.288	-.288	0	%100
37	MP3A	X	.499	.499	0	%100
38	MP3A	Z	-.288	-.288	0	%100
39	MP4A	X	.499	.499	0	%100
40	MP4A	Z	-.288	-.288	0	%100
41	M49	X	.262	.262	0	%100
42	M49	Z	-.152	-.152	0	%100
43	M50	X	1.05	1.05	0	%100
44	M50	Z	-.606	-.606	0	%100
45	M51	X	.262	.262	0	%100
46	M51	Z	-.152	-.152	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
47	M72A	X	.378	.378	0	%100
48	M72A	Z	-.218	-.218	0	%100
49	M73A	X	.781	.781	0	%100
50	M73A	Z	-.451	-.451	0	%100
51	M74	X	.716	.716	0	%100
52	M74	Z	-.414	-.414	0	%100
53	M75	X	.716	.716	0	%100
54	M75	Z	-.414	-.414	0	%100
55	M76	X	.781	.781	0	%100
56	M76	Z	-.451	-.451	0	%100
57	M77	X	.378	.378	0	%100
58	M77	Z	-.218	-.218	0	%100
59	M73B	X	.154	.154	0	%100
60	M73B	Z	-.089	-.089	0	%100
61	M76A	X	.154	.154	0	%100
62	M76A	Z	-.089	-.089	0	%100
63	MP1C	X	.499	.499	0	%100
64	MP1C	Z	-.288	-.288	0	%100
65	MP2C	X	.499	.499	0	%100
66	MP2C	Z	-.288	-.288	0	%100
67	MP3C	X	.499	.499	0	%100
68	MP3C	Z	-.288	-.288	0	%100
69	MP4C	X	.499	.499	0	%100
70	MP4C	Z	-.288	-.288	0	%100
71	MP1B	X	.499	.499	0	%100
72	MP1B	Z	-.288	-.288	0	%100
73	MP2B	X	.499	.499	0	%100
74	MP2B	Z	-.288	-.288	0	%100
75	MP3B	X	.499	.499	0	%100
76	MP3B	Z	-.288	-.288	0	%100
77	MP4B	X	.499	.499	0	%100
78	MP4B	Z	-.288	-.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M12	X	.902	.902	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	.687	.687	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	0	0	0	%100
9	M67	X	.534	.534	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	.909	.909	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	.432	.432	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	1.03	1.03	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	.909	.909	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	.258	.258	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	.258	.258	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
22	M26A	Z	0	0	0	%100
23	M25	X	.432	.432	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	.226	.226	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	.172	.172	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	.226	.226	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	.172	.172	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	.576	.576	0	%100
34	MP1A	Z	0	0	0	%100
35	MP2A	X	.576	.576	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	.576	.576	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	.576	.576	0	%100
40	MP4A	Z	0	0	0	%100
41	M49	X	.909	.909	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	.909	.909	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	0	0	0	%100
47	M72A	X	.616	.616	0	%100
48	M72A	Z	0	0	0	%100
49	M73A	X	.616	.616	0	%100
50	M73A	Z	0	0	0	%100
51	M74	X	.542	.542	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	1.007	1.007	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	1.007	1.007	0	%100
56	M76	Z	0	0	0	%100
57	M77	X	.542	.542	0	%100
58	M77	Z	0	0	0	%100
59	M73B	X	.534	.534	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	0	0	0	%100
63	MP1C	X	.576	.576	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	.576	.576	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	.576	.576	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	.576	.576	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	.576	.576	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	.576	.576	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	.576	.576	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	.576	.576	0	%100
78	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft, F...	End Magnitude[lb/ft, F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.262	.262	0	%100
2	M1	Z	.152	.152	0	%100
3	M12	X	.586	.586	0	%100
4	M12	Z	.338	.338	0	%100
5	M13	X	.446	.446	0	%100
6	M13	Z	.258	.258	0	%100
7	M26	X	.125	.125	0	%100
8	M26	Z	.072	.072	0	%100
9	M67	X	.154	.154	0	%100
10	M67	Z	.089	.089	0	%100
11	M12A	X	.262	.262	0	%100
12	M12A	Z	.152	.152	0	%100
13	M13A	X	.125	.125	0	%100
14	M13A	Z	.072	.072	0	%100
15	M13B	X	.669	.669	0	%100
16	M13B	Z	.386	.386	0	%100
17	M14	X	1.05	1.05	0	%100
18	M14	Z	.606	.606	0	%100
19	M20	X	.669	.669	0	%100
20	M20	Z	.386	.386	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	.499	.499	0	%100
24	M25	Z	.288	.288	0	%100
25	M25B	X	.586	.586	0	%100
26	M25B	Z	.338	.338	0	%100
27	M26C	X	.446	.446	0	%100
28	M26C	Z	.258	.258	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	.499	.499	0	%100
34	MP1A	Z	.288	.288	0	%100
35	MP2A	X	.499	.499	0	%100
36	MP2A	Z	.288	.288	0	%100
37	MP3A	X	.499	.499	0	%100
38	MP3A	Z	.288	.288	0	%100
39	MP4A	X	.499	.499	0	%100
40	MP4A	Z	.288	.288	0	%100
41	M49	X	1.05	1.05	0	%100
42	M49	Z	.606	.606	0	%100
43	M50	X	.262	.262	0	%100
44	M50	Z	.152	.152	0	%100
45	M51	X	.262	.262	0	%100
46	M51	Z	.152	.152	0	%100
47	M72A	X	.781	.781	0	%100
48	M72A	Z	.451	.451	0	%100
49	M73A	X	.378	.378	0	%100
50	M73A	Z	.218	.218	0	%100
51	M74	X	.378	.378	0	%100
52	M74	Z	.218	.218	0	%100
53	M75	X	.781	.781	0	%100
54	M75	Z	.451	.451	0	%100
55	M76	X	.716	.716	0	%100
56	M76	Z	.414	.414	0	%100
57	M77	X	.716	.716	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
58	M77	Z	.414	.414	0	%100
59	M73B	X	.616	.616	0	%100
60	M73B	Z	.356	.356	0	%100
61	M76A	X	.154	.154	0	%100
62	M76A	Z	.089	.089	0	%100
63	MP1C	X	.499	.499	0	%100
64	MP1C	Z	.288	.288	0	%100
65	MP2C	X	.499	.499	0	%100
66	MP2C	Z	.288	.288	0	%100
67	MP3C	X	.499	.499	0	%100
68	MP3C	Z	.288	.288	0	%100
69	MP4C	X	.499	.499	0	%100
70	MP4C	Z	.288	.288	0	%100
71	MP1B	X	.499	.499	0	%100
72	MP1B	Z	.288	.288	0	%100
73	MP2B	X	.499	.499	0	%100
74	MP2B	Z	.288	.288	0	%100
75	MP3B	X	.499	.499	0	%100
76	MP3B	Z	.288	.288	0	%100
77	MP4B	X	.499	.499	0	%100
78	MP4B	Z	.288	.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.455	.455	0	%100
2	M1	Z	.787	.787	0	%100
3	M12	X	.113	.113	0	%100
4	M12	Z	.195	.195	0	%100
5	M13	X	.086	.086	0	%100
6	M13	Z	.149	.149	0	%100
7	M26	X	.216	.216	0	%100
8	M26	Z	.374	.374	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	.129	.129	0	%100
16	M13B	Z	.223	.223	0	%100
17	M14	X	.455	.455	0	%100
18	M14	Z	.787	.787	0	%100
19	M20	X	.515	.515	0	%100
20	M20	Z	.892	.892	0	%100
21	M26A	X	.129	.129	0	%100
22	M26A	Z	.223	.223	0	%100
23	M25	X	.216	.216	0	%100
24	M25	Z	.374	.374	0	%100
25	M25B	X	.451	.451	0	%100
26	M25B	Z	.781	.781	0	%100
27	M26C	X	.343	.343	0	%100
28	M26C	Z	.595	.595	0	%100
29	M29A	X	.113	.113	0	%100
30	M29A	Z	.195	.195	0	%100
31	M30A	X	.086	.086	0	%100
32	M30A	Z	.149	.149	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
33	MP1A	X	.288	.288	0	%100
34	MP1A	Z	.499	.499	0	%100
35	MP2A	X	.288	.288	0	%100
36	MP2A	Z	.499	.499	0	%100
37	MP3A	X	.288	.288	0	%100
38	MP3A	Z	.499	.499	0	%100
39	MP4A	X	.288	.288	0	%100
40	MP4A	Z	.499	.499	0	%100
41	M49	X	.455	.455	0	%100
42	M49	Z	.787	.787	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	.455	.455	0	%100
46	M51	Z	.787	.787	0	%100
47	M72A	X	.503	.503	0	%100
48	M72A	Z	.872	.872	0	%100
49	M73A	X	.271	.271	0	%100
50	M73A	Z	.47	.47	0	%100
51	M74	X	.308	.308	0	%100
52	M74	Z	.534	.534	0	%100
53	M75	X	.308	.308	0	%100
54	M75	Z	.534	.534	0	%100
55	M76	X	.271	.271	0	%100
56	M76	Z	.47	.47	0	%100
57	M77	X	.503	.503	0	%100
58	M77	Z	.872	.872	0	%100
59	M73B	X	.267	.267	0	%100
60	M73B	Z	.462	.462	0	%100
61	M76A	X	.267	.267	0	%100
62	M76A	Z	.462	.462	0	%100
63	MP1C	X	.288	.288	0	%100
64	MP1C	Z	.499	.499	0	%100
65	MP2C	X	.288	.288	0	%100
66	MP2C	Z	.499	.499	0	%100
67	MP3C	X	.288	.288	0	%100
68	MP3C	Z	.499	.499	0	%100
69	MP4C	X	.288	.288	0	%100
70	MP4C	Z	.499	.499	0	%100
71	MP1B	X	.288	.288	0	%100
72	MP1B	Z	.499	.499	0	%100
73	MP2B	X	.288	.288	0	%100
74	MP2B	Z	.499	.499	0	%100
75	MP3B	X	.288	.288	0	%100
76	MP3B	Z	.499	.499	0	%100
77	MP4B	X	.288	.288	0	%100
78	MP4B	Z	.499	.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	0	0	0	%100
2	M1	Z	1.212	1.212	0	%100
3	M12	X	0	0	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
8	M26	Z	.576	.576	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	.178	.178	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	.303	.303	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	.144	.144	0	%100
15	M13B	X	0	0	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	.303	.303	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.773	.773	0	%100
21	M26A	X	0	0	0	%100
22	M26A	Z	.773	.773	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	.144	.144	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	.677	.677	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	.515	.515	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	.677	.677	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	.515	.515	0	%100
33	MP1A	X	0	0	0	%100
34	MP1A	Z	.576	.576	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	.576	.576	0	%100
37	MP3A	X	0	0	0	%100
38	MP3A	Z	.576	.576	0	%100
39	MP4A	X	0	0	0	%100
40	MP4A	Z	.576	.576	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	.303	.303	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	.303	.303	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	1.212	1.212	0	%100
47	M72A	X	0	0	0	%100
48	M72A	Z	.827	.827	0	%100
49	M73A	X	0	0	0	%100
50	M73A	Z	.827	.827	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	.901	.901	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	.437	.437	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	.437	.437	0	%100
57	M77	X	0	0	0	%100
58	M77	Z	.901	.901	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	.178	.178	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	.712	.712	0	%100
63	MP1C	X	0	0	0	%100
64	MP1C	Z	.576	.576	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
65	MP2C	X	0	0	0	%100
66	MP2C	Z	.576	.576	0	%100
67	MP3C	X	0	0	0	%100
68	MP3C	Z	.576	.576	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	.576	.576	0	%100
71	MP1B	X	0	0	0	%100
72	MP1B	Z	.576	.576	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	.576	.576	0	%100
75	MP3B	X	0	0	0	%100
76	MP3B	Z	.576	.576	0	%100
77	MP4B	X	0	0	0	%100
78	MP4B	Z	.576	.576	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.455	-.455	0	%100
2	M1	Z	.787	.787	0	%100
3	M12	X	-.113	-.113	0	%100
4	M12	Z	.195	.195	0	%100
5	M13	X	-.086	-.086	0	%100
6	M13	Z	.149	.149	0	%100
7	M26	X	-.216	-.216	0	%100
8	M26	Z	.374	.374	0	%100
9	M67	X	-.267	-.267	0	%100
10	M67	Z	.462	.462	0	%100
11	M12A	X	-.455	-.455	0	%100
12	M12A	Z	.787	.787	0	%100
13	M13A	X	-.216	-.216	0	%100
14	M13A	Z	.374	.374	0	%100
15	M13B	X	-.129	-.129	0	%100
16	M13B	Z	.223	.223	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	-.129	-.129	0	%100
20	M20	Z	.223	.223	0	%100
21	M26A	X	-.515	-.515	0	%100
22	M26A	Z	.892	.892	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	-.113	-.113	0	%100
26	M25B	Z	.195	.195	0	%100
27	M26C	X	-.086	-.086	0	%100
28	M26C	Z	.149	.149	0	%100
29	M29A	X	-.451	-.451	0	%100
30	M29A	Z	.781	.781	0	%100
31	M30A	X	-.343	-.343	0	%100
32	M30A	Z	.595	.595	0	%100
33	MP1A	X	-.288	-.288	0	%100
34	MP1A	Z	.499	.499	0	%100
35	MP2A	X	-.288	-.288	0	%100
36	MP2A	Z	.499	.499	0	%100
37	MP3A	X	-.288	-.288	0	%100
38	MP3A	Z	.499	.499	0	%100
39	MP4A	X	-.288	-.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
40	MP4A	Z	.499	.499	0	%100
41	M49	X	0	0	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	-.455	-.455	0	%100
44	M50	Z	.787	.787	0	%100
45	M51	X	-.455	-.455	0	%100
46	M51	Z	.787	.787	0	%100
47	M72A	X	-.271	-.271	0	%100
48	M72A	Z	.47	.47	0	%100
49	M73A	X	-.503	-.503	0	%100
50	M73A	Z	.872	.872	0	%100
51	M74	X	-.503	-.503	0	%100
52	M74	Z	.872	.872	0	%100
53	M75	X	-.271	-.271	0	%100
54	M75	Z	.47	.47	0	%100
55	M76	X	-.308	-.308	0	%100
56	M76	Z	.534	.534	0	%100
57	M77	X	-.308	-.308	0	%100
58	M77	Z	.534	.534	0	%100
59	M73B	X	0	0	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	-.267	-.267	0	%100
62	M76A	Z	.462	.462	0	%100
63	MP1C	X	-.288	-.288	0	%100
64	MP1C	Z	.499	.499	0	%100
65	MP2C	X	-.288	-.288	0	%100
66	MP2C	Z	.499	.499	0	%100
67	MP3C	X	-.288	-.288	0	%100
68	MP3C	Z	.499	.499	0	%100
69	MP4C	X	-.288	-.288	0	%100
70	MP4C	Z	.499	.499	0	%100
71	MP1B	X	-.288	-.288	0	%100
72	MP1B	Z	.499	.499	0	%100
73	MP2B	X	-.288	-.288	0	%100
74	MP2B	Z	.499	.499	0	%100
75	MP3B	X	-.288	-.288	0	%100
76	MP3B	Z	.499	.499	0	%100
77	MP4B	X	-.288	-.288	0	%100
78	MP4B	Z	.499	.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-.262	-.262	0	%100
2	M1	Z	.152	.152	0	%100
3	M12	X	-.586	-.586	0	%100
4	M12	Z	.338	.338	0	%100
5	M13	X	-.446	-.446	0	%100
6	M13	Z	.258	.258	0	%100
7	M26	X	-.125	-.125	0	%100
8	M26	Z	.072	.072	0	%100
9	M67	X	-.616	-.616	0	%100
10	M67	Z	.356	.356	0	%100
11	M12A	X	-1.05	-1.05	0	%100
12	M12A	Z	.606	.606	0	%100
13	M13A	X	-.499	-.499	0	%100
14	M13A	Z	.288	.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
15	M13B	X	-.669	-.669	0	%100
16	M13B	Z	.386	.386	0	%100
17	M14	X	-.262	-.262	0	%100
18	M14	Z	.152	.152	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	-.669	-.669	0	%100
22	M26A	Z	.386	.386	0	%100
23	M25	X	-.125	-.125	0	%100
24	M25	Z	.072	.072	0	%100
25	M25B	X	0	0	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	0	0	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	-.586	-.586	0	%100
30	M29A	Z	.338	.338	0	%100
31	M30A	X	-.446	-.446	0	%100
32	M30A	Z	.258	.258	0	%100
33	MP1A	X	-.499	-.499	0	%100
34	MP1A	Z	.288	.288	0	%100
35	MP2A	X	-.499	-.499	0	%100
36	MP2A	Z	.288	.288	0	%100
37	MP3A	X	-.499	-.499	0	%100
38	MP3A	Z	.288	.288	0	%100
39	MP4A	X	-.499	-.499	0	%100
40	MP4A	Z	.288	.288	0	%100
41	M49	X	-.262	-.262	0	%100
42	M49	Z	.152	.152	0	%100
43	M50	X	-1.05	-1.05	0	%100
44	M50	Z	.606	.606	0	%100
45	M51	X	-.262	-.262	0	%100
46	M51	Z	.152	.152	0	%100
47	M72A	X	-.378	-.378	0	%100
48	M72A	Z	.218	.218	0	%100
49	M73A	X	-.781	-.781	0	%100
50	M73A	Z	.451	.451	0	%100
51	M74	X	-.716	-.716	0	%100
52	M74	Z	.414	.414	0	%100
53	M75	X	-.716	-.716	0	%100
54	M75	Z	.414	.414	0	%100
55	M76	X	-.781	-.781	0	%100
56	M76	Z	.451	.451	0	%100
57	M77	X	-.378	-.378	0	%100
58	M77	Z	.218	.218	0	%100
59	M73B	X	-.154	-.154	0	%100
60	M73B	Z	.089	.089	0	%100
61	M76A	X	-.154	-.154	0	%100
62	M76A	Z	.089	.089	0	%100
63	MP1C	X	-.499	-.499	0	%100
64	MP1C	Z	.288	.288	0	%100
65	MP2C	X	-.499	-.499	0	%100
66	MP2C	Z	.288	.288	0	%100
67	MP3C	X	-.499	-.499	0	%100
68	MP3C	Z	.288	.288	0	%100
69	MP4C	X	-.499	-.499	0	%100
70	MP4C	Z	.288	.288	0	%100
71	MP1B	X	-.499	-.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
72	MP1B	Z	.288	.288	0	%100
73	MP2B	X	-.499	-.499	0	%100
74	MP2B	Z	.288	.288	0	%100
75	MP3B	X	-.499	-.499	0	%100
76	MP3B	Z	.288	.288	0	%100
77	MP4B	X	-.499	-.499	0	%100
78	MP4B	Z	.288	.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M12	X	-.902	-.902	0	%100
4	M12	Z	0	0	0	%100
5	M13	X	-.687	-.687	0	%100
6	M13	Z	0	0	0	%100
7	M26	X	0	0	0	%100
8	M26	Z	0	0	0	%100
9	M67	X	-.534	-.534	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	-.909	-.909	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	-.432	-.432	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	-1.03	-1.03	0	%100
16	M13B	Z	0	0	0	%100
17	M14	X	-.909	-.909	0	%100
18	M14	Z	0	0	0	%100
19	M20	X	-.258	-.258	0	%100
20	M20	Z	0	0	0	%100
21	M26A	X	-.258	-.258	0	%100
22	M26A	Z	0	0	0	%100
23	M25	X	-.432	-.432	0	%100
24	M25	Z	0	0	0	%100
25	M25B	X	-.226	-.226	0	%100
26	M25B	Z	0	0	0	%100
27	M26C	X	-.172	-.172	0	%100
28	M26C	Z	0	0	0	%100
29	M29A	X	-.226	-.226	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	-.172	-.172	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	-.576	-.576	0	%100
34	MP1A	Z	0	0	0	%100
35	MP2A	X	-.576	-.576	0	%100
36	MP2A	Z	0	0	0	%100
37	MP3A	X	-.576	-.576	0	%100
38	MP3A	Z	0	0	0	%100
39	MP4A	X	-.576	-.576	0	%100
40	MP4A	Z	0	0	0	%100
41	M49	X	-.909	-.909	0	%100
42	M49	Z	0	0	0	%100
43	M50	X	-.909	-.909	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	0	0	0	%100
46	M51	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
47	M72A	X	-.616	-.616	0	%100
48	M72A	Z	0	0	0	%100
49	M73A	X	-.616	-.616	0	%100
50	M73A	Z	0	0	0	%100
51	M74	X	-.542	-.542	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	-1.007	-1.007	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	-1.007	-1.007	0	%100
56	M76	Z	0	0	0	%100
57	M77	X	-.542	-.542	0	%100
58	M77	Z	0	0	0	%100
59	M73B	X	-.534	-.534	0	%100
60	M73B	Z	0	0	0	%100
61	M76A	X	0	0	0	%100
62	M76A	Z	0	0	0	%100
63	MP1C	X	-.576	-.576	0	%100
64	MP1C	Z	0	0	0	%100
65	MP2C	X	-.576	-.576	0	%100
66	MP2C	Z	0	0	0	%100
67	MP3C	X	-.576	-.576	0	%100
68	MP3C	Z	0	0	0	%100
69	MP4C	X	-.576	-.576	0	%100
70	MP4C	Z	0	0	0	%100
71	MP1B	X	-.576	-.576	0	%100
72	MP1B	Z	0	0	0	%100
73	MP2B	X	-.576	-.576	0	%100
74	MP2B	Z	0	0	0	%100
75	MP3B	X	-.576	-.576	0	%100
76	MP3B	Z	0	0	0	%100
77	MP4B	X	-.576	-.576	0	%100
78	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.262	-.262	0	%100
2	M1	Z	-.152	-.152	0	%100
3	M12	X	-.586	-.586	0	%100
4	M12	Z	-.338	-.338	0	%100
5	M13	X	-.446	-.446	0	%100
6	M13	Z	-.258	-.258	0	%100
7	M26	X	-.125	-.125	0	%100
8	M26	Z	-.072	-.072	0	%100
9	M67	X	-.154	-.154	0	%100
10	M67	Z	-.089	-.089	0	%100
11	M12A	X	-.262	-.262	0	%100
12	M12A	Z	-.152	-.152	0	%100
13	M13A	X	-.125	-.125	0	%100
14	M13A	Z	-.072	-.072	0	%100
15	M13B	X	-.669	-.669	0	%100
16	M13B	Z	-.386	-.386	0	%100
17	M14	X	-1.05	-1.05	0	%100
18	M14	Z	-.606	-.606	0	%100
19	M20	X	-.669	-.669	0	%100
20	M20	Z	-.386	-.386	0	%100
21	M26A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
22	M26A	Z	0	0	0	%100
23	M25	X	-.499	-.499	0	%100
24	M25	Z	-.288	-.288	0	%100
25	M25B	X	-.586	-.586	0	%100
26	M25B	Z	-.338	-.338	0	%100
27	M26C	X	-.446	-.446	0	%100
28	M26C	Z	-.258	-.258	0	%100
29	M29A	X	0	0	0	%100
30	M29A	Z	0	0	0	%100
31	M30A	X	0	0	0	%100
32	M30A	Z	0	0	0	%100
33	MP1A	X	-.499	-.499	0	%100
34	MP1A	Z	-.288	-.288	0	%100
35	MP2A	X	-.499	-.499	0	%100
36	MP2A	Z	-.288	-.288	0	%100
37	MP3A	X	-.499	-.499	0	%100
38	MP3A	Z	-.288	-.288	0	%100
39	MP4A	X	-.499	-.499	0	%100
40	MP4A	Z	-.288	-.288	0	%100
41	M49	X	-1.05	-1.05	0	%100
42	M49	Z	-.606	-.606	0	%100
43	M50	X	-.262	-.262	0	%100
44	M50	Z	-.152	-.152	0	%100
45	M51	X	-.262	-.262	0	%100
46	M51	Z	-.152	-.152	0	%100
47	M72A	X	-.781	-.781	0	%100
48	M72A	Z	-.451	-.451	0	%100
49	M73A	X	-.378	-.378	0	%100
50	M73A	Z	-.218	-.218	0	%100
51	M74	X	-.378	-.378	0	%100
52	M74	Z	-.218	-.218	0	%100
53	M75	X	-.781	-.781	0	%100
54	M75	Z	-.451	-.451	0	%100
55	M76	X	-.716	-.716	0	%100
56	M76	Z	-.414	-.414	0	%100
57	M77	X	-.716	-.716	0	%100
58	M77	Z	-.414	-.414	0	%100
59	M73B	X	-.616	-.616	0	%100
60	M73B	Z	-.356	-.356	0	%100
61	M76A	X	-.154	-.154	0	%100
62	M76A	Z	-.089	-.089	0	%100
63	MP1C	X	-.499	-.499	0	%100
64	MP1C	Z	-.288	-.288	0	%100
65	MP2C	X	-.499	-.499	0	%100
66	MP2C	Z	-.288	-.288	0	%100
67	MP3C	X	-.499	-.499	0	%100
68	MP3C	Z	-.288	-.288	0	%100
69	MP4C	X	-.499	-.499	0	%100
70	MP4C	Z	-.288	-.288	0	%100
71	MP1B	X	-.499	-.499	0	%100
72	MP1B	Z	-.288	-.288	0	%100
73	MP2B	X	-.499	-.499	0	%100
74	MP2B	Z	-.288	-.288	0	%100
75	MP3B	X	-.499	-.499	0	%100
76	MP3B	Z	-.288	-.288	0	%100
77	MP4B	X	-.499	-.499	0	%100
78	MP4B	Z	-.288	-.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.455	-.455	0	%100
2	M1	Z	-.787	-.787	0	%100
3	M12	X	-.113	-.113	0	%100
4	M12	Z	-.195	-.195	0	%100
5	M13	X	-.086	-.086	0	%100
6	M13	Z	-.149	-.149	0	%100
7	M26	X	-.216	-.216	0	%100
8	M26	Z	-.374	-.374	0	%100
9	M67	X	0	0	0	%100
10	M67	Z	0	0	0	%100
11	M12A	X	0	0	0	%100
12	M12A	Z	0	0	0	%100
13	M13A	X	0	0	0	%100
14	M13A	Z	0	0	0	%100
15	M13B	X	-.129	-.129	0	%100
16	M13B	Z	-.223	-.223	0	%100
17	M14	X	-.455	-.455	0	%100
18	M14	Z	-.787	-.787	0	%100
19	M20	X	-.515	-.515	0	%100
20	M20	Z	-.892	-.892	0	%100
21	M26A	X	-.129	-.129	0	%100
22	M26A	Z	-.223	-.223	0	%100
23	M25	X	-.216	-.216	0	%100
24	M25	Z	-.374	-.374	0	%100
25	M25B	X	-.451	-.451	0	%100
26	M25B	Z	-.781	-.781	0	%100
27	M26C	X	-.343	-.343	0	%100
28	M26C	Z	-.595	-.595	0	%100
29	M29A	X	-.113	-.113	0	%100
30	M29A	Z	-.195	-.195	0	%100
31	M30A	X	-.086	-.086	0	%100
32	M30A	Z	-.149	-.149	0	%100
33	MP1A	X	-.288	-.288	0	%100
34	MP1A	Z	-.499	-.499	0	%100
35	MP2A	X	-.288	-.288	0	%100
36	MP2A	Z	-.499	-.499	0	%100
37	MP3A	X	-.288	-.288	0	%100
38	MP3A	Z	-.499	-.499	0	%100
39	MP4A	X	-.288	-.288	0	%100
40	MP4A	Z	-.499	-.499	0	%100
41	M49	X	-.455	-.455	0	%100
42	M49	Z	-.787	-.787	0	%100
43	M50	X	0	0	0	%100
44	M50	Z	0	0	0	%100
45	M51	X	-.455	-.455	0	%100
46	M51	Z	-.787	-.787	0	%100
47	M72A	X	-.503	-.503	0	%100
48	M72A	Z	-.872	-.872	0	%100
49	M73A	X	-.271	-.271	0	%100
50	M73A	Z	-.47	-.47	0	%100
51	M74	X	-.308	-.308	0	%100
52	M74	Z	-.534	-.534	0	%100
53	M75	X	-.308	-.308	0	%100
54	M75	Z	-.534	-.534	0	%100
55	M76	X	-.271	-.271	0	%100
56	M76	Z	-.47	-.47	0	%100
57	M77	X	-.503	-.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M77	Z	-.872	-.872	0	%100
59	M73B	X	-.267	-.267	0	%100
60	M73B	Z	-.462	-.462	0	%100
61	M76A	X	-.267	-.267	0	%100
62	M76A	Z	-.462	-.462	0	%100
63	MP1C	X	-.288	-.288	0	%100
64	MP1C	Z	-.499	-.499	0	%100
65	MP2C	X	-.288	-.288	0	%100
66	MP2C	Z	-.499	-.499	0	%100
67	MP3C	X	-.288	-.288	0	%100
68	MP3C	Z	-.499	-.499	0	%100
69	MP4C	X	-.288	-.288	0	%100
70	MP4C	Z	-.499	-.499	0	%100
71	MP1B	X	-.288	-.288	0	%100
72	MP1B	Z	-.499	-.499	0	%100
73	MP2B	X	-.288	-.288	0	%100
74	MP2B	Z	-.499	-.499	0	%100
75	MP3B	X	-.288	-.288	0	%100
76	MP3B	Z	-.499	-.499	0	%100
77	MP4B	X	-.288	-.288	0	%100
78	MP4B	Z	-.499	-.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M13B	Y	-1.158	-5.593	0	2
2	M13B	Y	-5.593	-10.028	2	4
3	M14	Y	-.122	-3.072	0	2.319
4	M14	Y	-3.072	-4.928	2.319	4.639
5	M14	Y	-4.928	-4.57	4.639	6.958
6	M14	Y	-4.57	-4.928	6.958	9.278
7	M14	Y	-4.928	-3.072	9.278	11.597
8	M14	Y	-3.072	-.122	11.597	13.917
9	M20	Y	-1.158	-5.593	0	2
10	M20	Y	-5.593	-10.028	2	4
11	M49	Y	-5.109	-5.109	.152	6.837
12	M12A	Y	-.122	-3.072	0	2.319
13	M12A	Y	-3.072	-4.928	2.319	4.639
14	M12A	Y	-4.928	-4.57	4.639	6.958
15	M12A	Y	-4.57	-4.928	6.958	9.278
16	M12A	Y	-4.928	-3.072	9.278	11.597
17	M12A	Y	-3.072	-.122	11.597	13.917
18	M26A	Y	-1.158	-5.593	0	2
19	M26A	Y	-5.593	-10.028	2	4
20	M50	Y	-5.109	-5.109	.152	6.837
21	M1	Y	-.122	-3.072	0	2.319
22	M1	Y	-3.072	-4.928	2.319	4.639
23	M1	Y	-4.928	-4.57	4.639	6.958
24	M1	Y	-4.57	-4.928	6.958	9.278
25	M1	Y	-4.928	-3.072	9.278	11.597
26	M1	Y	-3.072	-.122	11.597	13.917
27	M51	Y	-5.109	-5.109	.152	6.837

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M13B	Y	-3.706	-17.898	0	2
2	M13B	Y	-17.898	-32.09	2	4

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
3	M14	Y	-.392	-9.83	0	2.319
4	M14	Y	-9.83	-15.771	2.319	4.639
5	M14	Y	-15.771	-14.623	4.639	6.958
6	M14	Y	-14.623	-15.771	6.958	9.278
7	M14	Y	-15.771	-9.83	9.278	11.597
8	M14	Y	-9.83	-.392	11.597	13.917
9	M20	Y	-3.706	-17.898	0	2
10	M20	Y	-17.898	-32.09	2	4
11	M49	Y	-16.35	-16.35	.152	6.837
12	M12A	Y	-.392	-9.83	0	2.319
13	M12A	Y	-9.83	-15.771	2.319	4.639
14	M12A	Y	-15.771	-14.623	4.639	6.958
15	M12A	Y	-14.623	-15.771	6.958	9.278
16	M12A	Y	-15.771	-9.83	9.278	11.597
17	M12A	Y	-9.83	-.392	11.597	13.917
18	M26A	Y	-3.706	-17.898	0	2
19	M26A	Y	-17.898	-32.09	2	4
20	M50	Y	-16.35	-16.35	.152	6.837
21	M1	Y	-.392	-9.83	0	2.319
22	M1	Y	-9.83	-15.771	2.319	4.639
23	M1	Y	-15.771	-14.623	4.639	6.958
24	M1	Y	-14.623	-15.771	6.958	9.278
25	M1	Y	-15.771	-9.83	9.278	11.597
26	M1	Y	-9.83	-.392	11.597	13.917
27	M51	Y	-16.35	-16.35	.152	6.837

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N20	N20A	N29	Y	Two Way	-.005
2	N20A	N20	N2	N39	Y	Two Way	-.005
3	N39	N2	N3	N29	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N20	N20A	N29	Y	Two Way	-.016
2	N20A	N20	N2	N39	Y	Two Way	-.016
3	N39	N2	N3	N29	Y	Two Way	-.016

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	N16	max	1539.621	11	977.848	13	622.532	1	1.124	7	1.091	8	.559	34
2		min	-1466.213	5	-350.852	7	-552.941	7	-2.235	37	-1.064	2	-.09	4
3	N35	max	985.644	10	1073.577	21	1531.866	1	1.049	9	1.071	8	2.024	9
4		min	-885.893	4	-354.693	3	-1534.926	7	-.477	3	-1.121	2	-1.029	3
5	N41A	max	961.163	10	969.686	17	1169.165	1	1.091	5	.833	4	.887	11
6		min	-1046.929	4	-334.647	11	-1174.754	7	-.609	11	-.826	10	-1.782	5
7	N127A	max	157.435	10	2387.802	15	790.154	2	.002	2	.001	5	.003	3
8		min	-1361.699	16	-174.725	9	-369.682	8	-.002	8	-.001	1	-.002	9
9	N128	max	1284.619	22	2235.806	23	685.594	24	.002	12	.001	12	.002	4
10		min	-252.081	4	-143.79	5	-211.366	6	-.002	6	-.001	6	-.003	10
11	N129	max	351.83	11	2288.696	19	197.081	1	.003	1	.002	8	.001	2
12		min	-407.443	5	-158.119	1	-1453.954	19	-.003	7	-.002	2	-.001	8
13	Totals:	max	4861.918	10	8763.939	14	4851.093	1						

Envelope Joint Reactions (Continued)

Joint	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
14	min	-4861.924	4	2974.668	8	-4851.079	7					

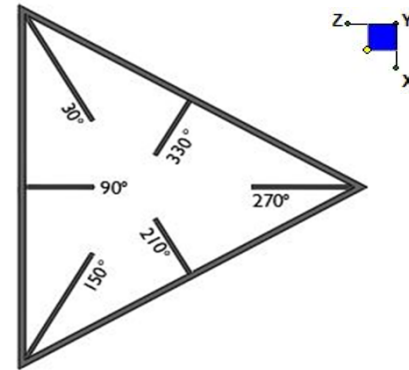
Envelope AISC 15th(360-16): LRFD Steel Code Checks

	Member	Shape	Code Check	Loc[ft]	LC	Shea...	Loc...	Dir	LC	phi*Pnc...	phi*Pn...	phi*Mn y...	phi*Mn z-z [...]	Eqn
1	M1	L3X3X4	.432	6.958	35	.527	6.958	y	1	3991.914	46656	1.688	2.725	1...H2-1
2	M12	HSS4.5X...	.110	2	2	.051	2	y	36	119784....	121302	16.25	16.25	1...H1-1b
3	M13	HSS4X4X3	.231	.583	2	.073	.583	y	25	106665....	106812	12.662	12.662	1...H1-1b
4	M26	PIPE_2.0	.416	9.83	8	.204	2.328		21	6380.208	32130	1.872	1.872	1...H1-1b
5	M67	L2.5x2.5x4	.507	0	5	.180	.694	y	12	35776.8....	38556	1.114	2.537	1...H2-1
6	M12A	L3X3X4	.377	11.162	2	.560	6.958	z	9	3991.914	46656	1.688	2.433	1...H2-1
7	M13A	PIPE_2.0	.481	2.457	15	.201	10....		20	6380.208	32130	1.872	1.872	2...H1-1a
8	M13B	LL3x3x4x0	.057	0	16	.018	4	z	10	76288.1....	93312	6.48	4.357	1...H1-1b
9	M14	L3X3X4	.372	11.162	10	.513	6.958	z	5	3991.914	46656	1.688	2.429	1...H2-1
10	M20	LL3x3x4x0	.058	0	23	.018	4	z	6	76288.1....	93312	6.48	4.357	1...H1-1b
11	M26A	LL3x3x4x0	.068	0	49	.020	4	z	2	76288.1....	93312	6.48	4.911	1...H1-1b
12	M25	PIPE_2.0	.364	9.959	9	.184	10....		13	6380.208	32130	1.872	1.872	2...H1-1b
13	M25B	HSS4.5X...	.126	2	8	.034	2	y	8	119784....	121302	16.25	16.25	1...H1-1b
14	M26C	HSS4X4X3	.255	.583	8	.059	.583	z	11	106665....	106812	12.662	12.662	1...H1-1b
15	M29A	HSS4.5X...	.106	2	4	.033	2	y	4	119784....	121302	16.25	16.25	1...H1-1b
16	M30A	HSS4X4X3	.223	.583	4	.057	.583	z	1	106665....	106812	12.662	12.662	1...H1-1b
17	MP1A	PIPE_2.0	.274	2.108	7	.176	2.108		1	17917.5....	32130	1.872	1.872	2...H1-1b
18	MP2A	PIPE_2.0	.356	2.5	10	.096	2.938		9	20866.7....	32130	1.872	1.872	2...H1-1b
19	MP3A	PIPE_2.0	.283	1.188	9	.158	3.5		2	20866.7....	32130	1.872	1.872	2...H1-1b
20	MP4A	PIPE_2.0	.179	.875	17	.112	2		12	20866.7....	32130	1.872	1.872	2...H1-1b
21	M49	L3X3X4	.235	3.494	16	.015	3.494	z	13	15830.2....	46656	1.688	3.242	1...H2-1
22	M50	L3X3X4	.264	3.494	22	.016	3.494	z	22	15830.2....	46656	1.688	3.242	1...H2-1
23	M51	L3X3X4	.260	3.494	23	.017	3.494	z	21	15830.2....	46656	1.688	3.236	1...H2-1
24	M72A	L2.5x2.5x4	.096	3.037	13	.016	0	y	6	11759.2....	38556	1.114	2.147	1...H2-1
25	M73A	L2.5x2.5x4	.099	3.037	13	.022	0	z	8	11759.2....	38556	1.114	2.147	1...H2-1
26	M74	L2.5x2.5x4	.106	3.037	13	.018	6.073	z	2	11759.2....	38556	1.114	2.147	1...H2-1
27	M75	L2.5x2.5x4	.097	3.037	21	.019	6.073	z	4	11759.2....	38556	1.114	2.147	1...H2-1
28	M76	L2.5x2.5x4	.096	3.037	17	.017	0	y	10	11759.2....	38556	1.114	2.147	1...H2-1
29	M77	L2.5x2.5x4	.098	3.037	17	.019	0	z	12	11759.2....	38556	1.114	2.147	1...H2-1
30	M73B	L2.5x2.5x4	.533	0	2	.216	0	y	8	35776.8....	38556	1.114	2.537	2...H2-1
31	M76A	L2.5x2.5x4	.531	0	9	.183	.694	y	10	35776.8....	38556	1.114	2.537	1...H2-1
32	MP1C	PIPE_2.0	.304	2.108	2	.202	2.108		9	17917.5....	32130	1.872	1.872	2...H1-1b
33	MP2C	PIPE_2.0	.343	2.5	1	.097	2.938		1	20866.7....	32130	1.872	1.872	2...H1-1b
34	MP3C	PIPE_2.0	.275	1.188	11	.156	3.5		10	20866.7....	32130	1.872	1.872	2...H1-1b
35	MP4C	PIPE_2.0	.247	.875	13	.136	.875		9	20866.7....	32130	1.872	1.872	2...H1-1b
36	MP1B	PIPE_2.0	.285	2.108	11	.180	2.108		5	17917.5....	32130	1.872	1.872	1...H1-1b
37	MP2B	PIPE_2.0	.300	2.5	2	.078	2.938		9	20866.7....	32130	1.872	1.872	2...H1-1b
38	MP3B	PIPE_2.0	.237	1.188	7	.142	3.5		6	20866.7....	32130	1.872	1.872	2...H1-1b
39	MP4B	PIPE_2.0	.193	.875	21	.112	2		4	20866.7....	32130	1.872	1.872	2...H1-1b

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N16	90
N35	210
N41A	330



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{Plate} (in):

Weld Size (1/16 in):

Phi*Rn (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
4
4
4
5.57
1.38
24.8%

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

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

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzwsmart.com> as depicted on the drawings

Photo Requirements:

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

- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

 Name _____

 Signature _____

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

Issue:

- Contractor to relocate existing OVPs on standoff mount pipe to positions 3 & 4 of the Gamma sector. Attach to mount pipes using existing hardware.
- Contractor to remove existing OVP pipe on standoff after relocating OVPs to antenna mount pipes.
- Contractor shall install a new safety climb wire rope guide to the threaded rods of the mount connection collar assembly.

Response:

Schedule A – Photo & Document File Structure



VzW Site Number / Name



Base & “During Installation” Photos



Pre-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Post-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Photos of climbing facility and safety climb – If Present



Certifications – Submission of this document including certifications



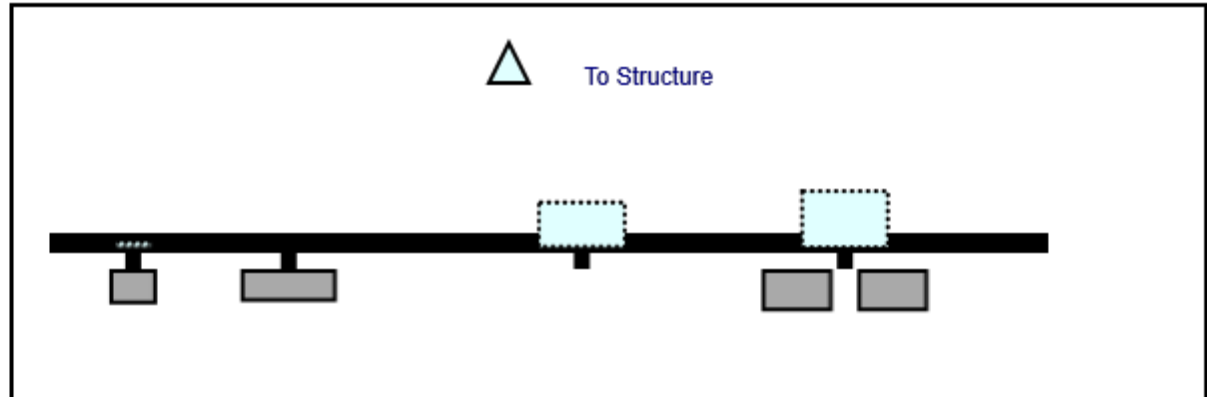
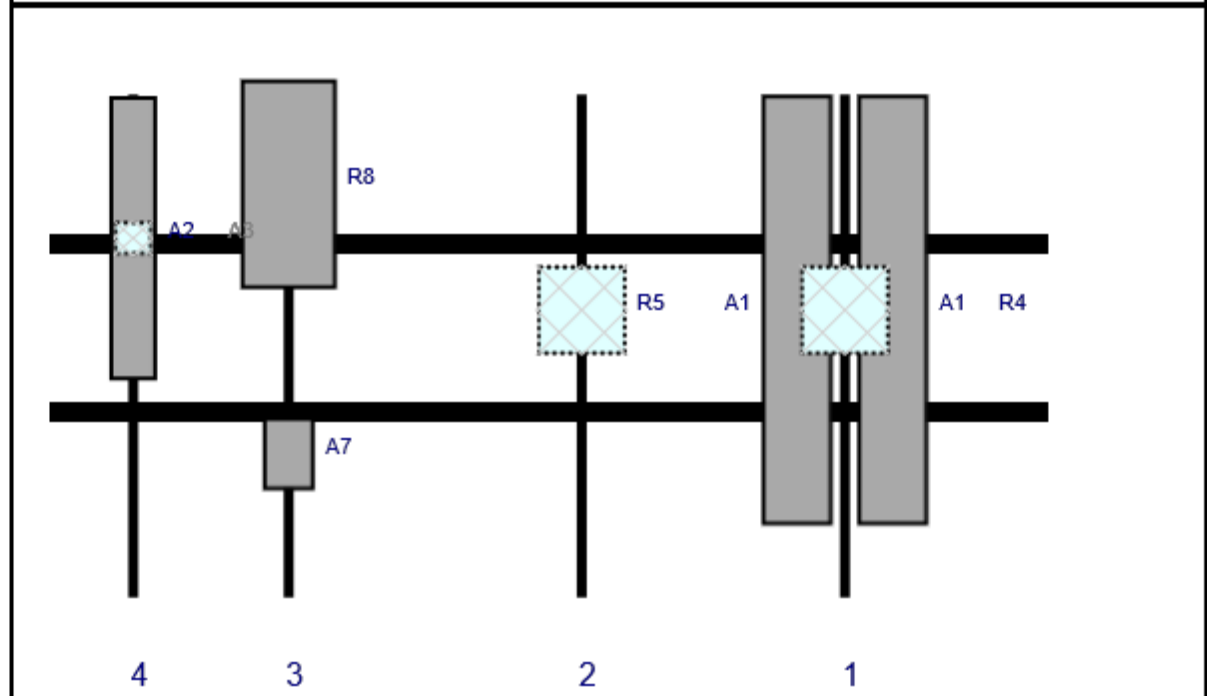
Specific Required Additional Photos

Sector: **A**
 Structure Type: Monopole
 Mount Elev: 87.50

10058982



Plan View

Front View
Looking at Structure

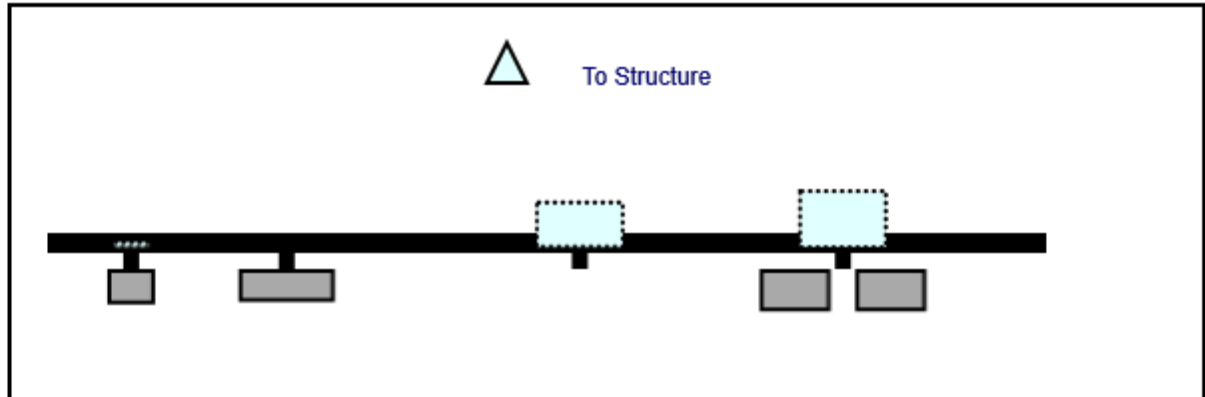
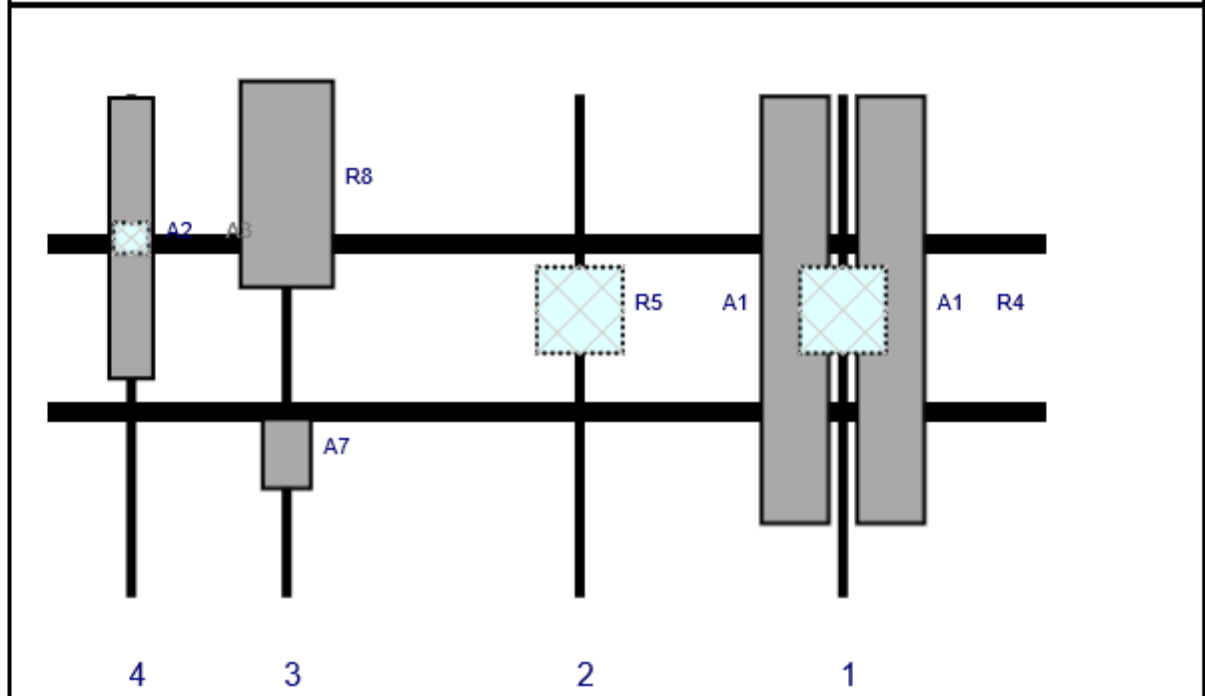
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	NHH-65B-R2B	72	11.9	133	1	a	Front	36	8	Retained	04/19/2021
A1	NHH-65B-R2B	72	11.9	133	1	b	Front	36	-8	Retained	04/19/2021
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	133	1	a	Behind	36	0	Retained	04/19/2021
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	89	2	a	Behind	36	0	Retained	04/19/2021
A7	XXDWMM-12.5-65	12.3	8.7	40	3	a	Front	60	0	Added	
R8	MT6407-77A	35.1	16.1	40	3	a	Front	15	0	Added	
A2	BXA-70080-4CF-EDIN-X	47.5	8	14	4	a	Front	24	0	Retained	04/19/2021
A3	FD9R6004/2C-3L 3.1#	5.8	6.5	14	4	a	Behind	24	0	Retained	04/19/2021

Sector: **B**
 Structure Type: Monopole
 Mount Elev: 87.50

10058982



Plan View

Front View
Looking at Structure

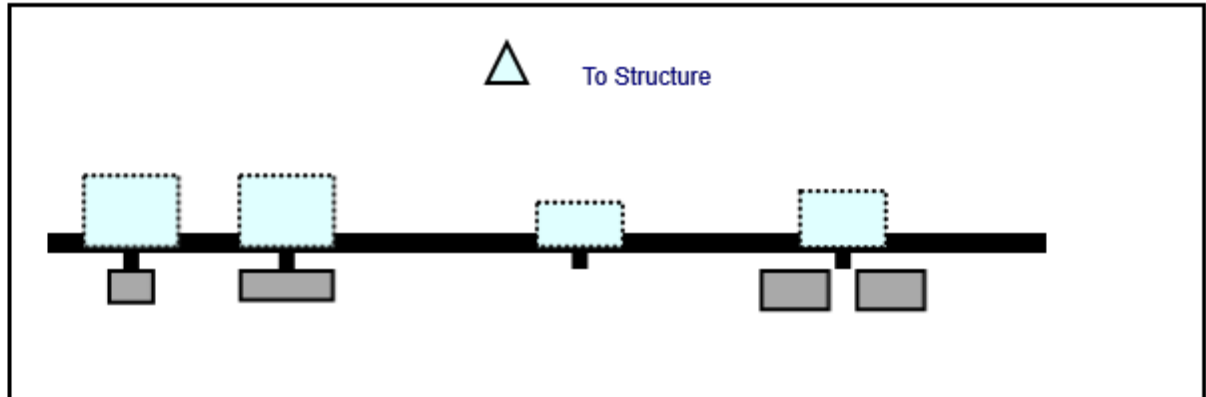
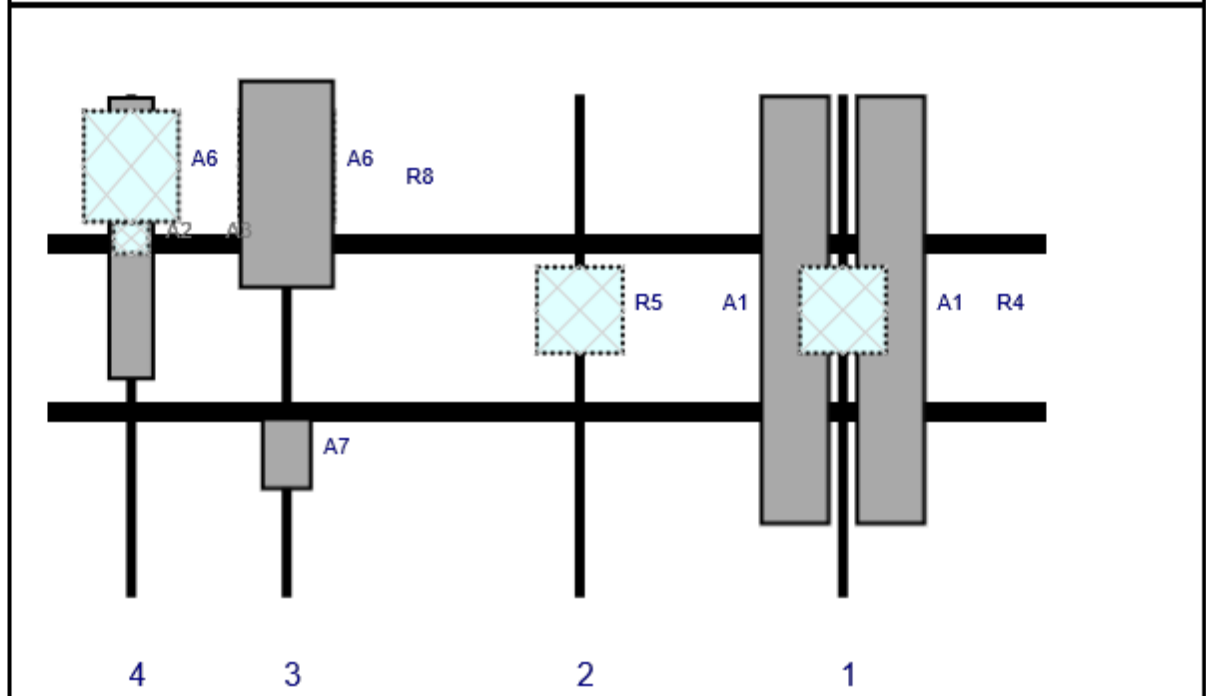
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	XXDWMM-12.5-65	12.3	8.7	40	3	a	Front	60	0	Added	
R8	MT6407-77A	35.1	16.1	40	3	a	Front	15	0	Added	
A2	BXA-70080-4CF-EDIN-X	47.5	8	14	4	a	Front	24	0	Retained	04/19/2021
A3	FD9R6004/2C-3L 3.1#	5.8	6.5	14	4	a	Behind	24	0	Retained	04/19/2021
A1	NHH-65B-R2B	72	11.9	133	1	a	Front	36	8	Retained	04/19/2021
A1	NHH-65B-R2B	72	11.9	133	1	b	Front	36	-8	Retained	04/19/2021
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	133	1	a	Behind	36	0	Retained	04/19/2021
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	89	2	a	Behind	36	0	Retained	04/19/2021

Sector: **C**
 Structure Type: Monopole
 Mount Elev: 87.50

10058982



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
A1	NHH-65B-R2B	72	11.9	133	1	a	Front	36	8	Retained	04/19/2021
A1	NHH-65B-R2B	72	11.9	133	1	b	Front	36	-8	Retained	04/19/2021
R4	B2/B66A RRRH-BR049 (RFV01U-D1A)	15	15	133	1	a	Behind	36	0	Retained	04/19/2021
R5	B5/B13 RRRH-BR04C (RFV01U-D2A)	15	15	89	2	a	Behind	36	0	Retained	04/19/2021
A7	XXDWMM-12.5-65	12.3	8.7	40	3	a	Front	60	0	Added	
A6	RRFDC-3315-PF-48	19.1	16.5	40	3	a	Behind	12	0	Retained	04/19/2021
R8	MT6407-77A	35.1	16.1	40	3	a	Front	15	0	Added	
A2	BXA-70080-4CF-EDIN-X	47.5	8	14	4	a	Front	24	0	Retained	04/19/2021
A3	FD9R6004/2C-3L 3.1#	5.8	6.5	14	4	a	Behind	24	0	Retained	04/19/2021
A6	RRFDC-3315-PF-48	19.1	16.5	14	4	a	Behind	12	0	Retained	04/19/2021



Subject

TIA-222-H Usage

Site Information

Site ID: 468685-VZW
Site Name: *ROCKY HILL 3 CT*
Carrier Name: *Verizon Wireless*
Address: *52 New Britain Ave*
Rocky Hill, Connecticut 06067
Hartford County

Latitude: 41.660277°
Longitude: -72.681110°

Structure Information

Tower Type: *160-Ft Monopole*
Mount Type: *13.92-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: **ROCKY HILL 3 CT**
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)
VZW 700	751	4	689	2755	90	0.0122
VZW CDMA	869	2	338	676	90	0.0030
VZW Cellular	869	4	788	3153	90	0.0140
VZW PCS	1975	4	1496	5985	90	0.0266
VZW AWS	2120	4	1671	6684	90	0.0297
VZW CBRS	3625	4	13	51	88	0.0002
VZW CBAND	3730.08	4	6531	26125	91.5	0.1122

Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IE

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm ²)	(%)
0.5007	2.44%
0.5793	0.52%
0.5793	2.42%
1.0000	2.66%
1.0000	2.97%
1.0000	0.02%
1.0000	11.22%
	22.25%

IEEE C95.1-1992

November 10, 2015 Memorandum for Exempt Modification filings