



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

October 11, 2021

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

RE: **Notice of Exempt Modification for Verizon**
Crown Site ID#827050; Verizon Site ID#468400
699 Old Main St., Rocky Hill, CT 06067
Latitude: 41° 40' 5.77" / Longitude: -72° 38' 16.93"

Dear Ms. Bachman:

Verizon currently maintains (12) antennas at the 140-foot mounts on the existing 151-foot Monopole Tower located at **699 Old Main St., in Rocky Hill**. The property is owned by Town of Rocky Hill and the Tower by Crown Castle. Verizon now intends to replace three (3) existing antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:

Tower:

REMOVE AND REPLACE

(3) Andrew LNX-6514DS-A1M Antennas (**REMOVE**), (3) Samsung MT6407-77A Antennas (**REPLACE**)

TO REMAIN

- (6) Commscope NNNH-65B-R4 Antennas
- (3) Samsung CBR5 Antennas
- (3) Samsung B5/B13 BR04C Remote radio units
- (3) Samsung B2/B66 BR049 Remote radio units
- (1) Raycap OVP
- (1) RFS Junction box
- (6) 1-5/8" coax
- (2) 1-1/4" Hybrid cable



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The facility was approved by the Town of Rocky Hill Planning and Zoning Commission on December 16, 1998. In Application Number 98-9.3 on November 10, 1998. The approval was given without conditions.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-50j-73, a copy of this letter is being sent to Lisa J. Marotta, Mayor of the Town of Rocky Hill, Kim Ricci, Town Planner and John Mehr, as Town Manager and property owner.

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. §16-50j-72(b)(2).

Sincerely,

Ersilia Davis
NETWORK BUILDING + CONSULTING
Project Manager
1777 Sentry Parkway W | VEVA 17, Suite 400
Blue Bell, PA 19422
edavis@nbelle.com
(551)804-0667



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Creve Coeur, MO 63141

Phone: (314) 513-0147

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cc:

Lisa J. Marotta, Mayor
Town of Rocky Hill
761 Old Main St.
Rocky Hill, CT 06067

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

John Mehr, Town Manager
Town of Rocky Hill
761 Old Main St.
Rocky Hill, CT 06067

The Foundation for a Wireless World.

CrownCastle.com



TRACK ANOTHER SHIPMENT

774939246805



ADD NICKNAME

Delivered
Tuesday, October 12, 2021 at 10:01 am



DELIVERED

Signed for by: C.CLERK



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis
1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Lisa J. Marotta, Mayor
Town of Rocky Hill
761 Old Main St.
ROCKY HILL, CT US 06067
860-258-2700

Travel History

TIME ZONE
Local Scan Time



Tuesday, October 12, 2021

10:01 AM	ROCKY HILL, CT	Delivered
8:39 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:32 AM	WINDSOR LOCKS, CT	At local FedEx facility
5:16 AM	EAST GRANBY, CT	At destination sort facility
4:25 AM	NEWARK, NJ	Departed FedEx hub

Monday, October 11, 2021

10:36 PM	NEWARK, NJ	Arrived at FedEx hub
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9:24 PM	NEWBURGH, NY	Left FedEx origin facility
6:18 PM	NEWBURGH, NY	Picked up
2:41 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER 774939246805	SERVICE FedEx Priority Overnight	WEIGHT 1 lbs / 0.45 kgs
DELIVERY ATTEMPTS 1	DELIVERED TO Receptionist/Front Desk	TOTAL PIECES 1
TOTAL SHIPMENT WEIGHT 1 lbs / 0.45 kgs	TERMS Shipper	SHIPPER REFERENCE 100788/ 827050 Mayor
PACKAGING FedEx Envelope	SPECIAL HANDLING SECTION Deliver Weekday	SHIP DATE 10/11/21 ?
STANDARD TRANSIT 10/12/21 before 10:30 am ?	ACTUAL DELIVERY 10/12/21 at 10:01 am	



TRACK ANOTHER SHIPMENT

774939310406



[ADD NICKNAME](#)

Delivered
Tuesday, October 12, 2021 at 10:01 am



DELIVERED

Signed for by: C.CLERK



[GET STATUS UPDATES](#)

[OBTAIN PROOF OF DELIVERY](#)

FROM

Ersilia Davis
1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

John Mehr, Town Manager
Town of Rocky Hill
761 Old Main St.
ROCKY HILL, CT US 06067
860-258-2700

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PACKAGING FedEx Envelope	SPECIAL HANDLING SECTION Deliver Weekday	SHIP DATE 10/11/21 ?
STANDARD TRANSIT 10/12/21 before 10:30 am ?	ACTUAL DELIVERY 10/12/21 at 10:01 am	



TRACK ANOTHER SHIPMENT

774939282343



ADD NICKNAME

Delivered
Tuesday, October 12, 2021 at 10:01 am



DELIVERED

Signed for by: C.CLERK



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Ersilia Davis
1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO

Kim Ricci, Town Planner
Town of Rocky Hill
761 Old Main St.
ROCKY HILL, CT US 06067
860-258-2700

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Exhibit A

Original Facility Approval



Town of Rocky Hill

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

CERTIFIED

December 18, 1998

Mr. Thomas Gilligan
Omnipoint Communications, Inc.
100 Filley St.
Bloomfield, CT 06002

Ms. Barbara Gilbert Interim Town Manager
Town of Rocky Hill
699 Old Main St.
Rocky Hill, CT 06067

RE: Site Plan Application, 150' monopole Antenna, 699 Old Main Street

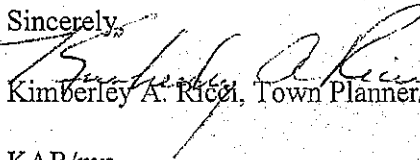
Dear Mr. Gilligan and Ms. Gilbert,

The Rocky Hill Planning and Zoning Commission at their regular meeting of December 16, 1998 voted to approve the aforementioned application. The applicants at the meeting indicated that the fenced-in area could be screened with shrubs and that the antenna could be painted, etc. to better blend with the environment. Please contact the undersigned with your intentions for screening.

Please prepare and submit two (2) sets of the final plans for the Commission's signature. One set of plans is to conform with the enclosed Map Requirements, and the other can be mylar for filing with the Planning and Engineering Departments. The plans are to have signature blocks for the Commission. In addition, there is a \$10.00 per sheet recording fee (one set only) due and payable to the Town of Rocky Hill. Upon receipt of the signed plans and the recording fee, Staff will gladly record the plans with the Town Clerk.

Should you have any questions, please do not hesitate to contact this office at 860-258-2761 or 860-258-2766.

Sincerely,


Kimberley A. Ricci, Town Planner/Assistant ZEO

KAR/mn

cc: Police Chief
Fire Chief

Exhibit B

Property Card

BU #: 827050

Tax Parcel ID # (Real Property):

ROCK-000010-000000-000045

Aerial Photo of Parcel from County GIS Database:



Situs : 761 OLD MAIN STREET

Map ID: 6852

Class: Municipal Comrc

Card: 1 of 7

Printed: April 22, 2019

CURRENT OWNER

ROCKY HILL TOWN OF
MUNICIPAL COMPLEX
761 OLD MAIN STREET
ROCKY HILL CT 06067

GENERAL INFORMATION

Living Units
Neighborhood C
Alternate Id 007389
Vol / Pg
District
Zoning R-20
Class EXEMPT



10-045-002 12/07/2012

Property Notes

Land Information

Type	Size	Influence Factors	Influence %	Value
Primary	AC 8.5600			3,046,000
Total Acres: 8.56 Spot: Location:				

Assessment Information

	Assessed	Appraised	Cost	Income	Market
Land	2,132,200	3,046,000	3,046,000	3,046,000	0
Building	6,736,520	9,623,600	9,623,600	2,670,400	0
Total	8,868,720	12,669,600	12,669,600	5,716,400	0
Manual Override Reason					
Base Date of Value 10/01/2018					
Effective Date of Value 10/01/2018					
Value Flag	COST APPROACH				
Gross Building:					

Entrance Information

Date	ID	Entry Code	Source
10/01/14	CL	Office Review Change	From Conversion
10/09/12	ST	Measured + 1visit	From Conversion
05/23/07	ST	Reval Inspection	Owner

Permit Information

Date Issued	Number	Price	Purpose	% Complete
01/29/19	2019-170	1,000	EL	Installing A Double Duplex Outlet /
01/16/19	2019-228	20,000	CM	Sprint To Replace Three (3) Anten
12/20/18	2019-214	20,000	CM	Verizon To Replace Six (6) Antenn
12/13/18	2019-207	5,000	MS	"Build Two Non Load Bearing Wall
11/19/18	2019-183	24,963	WIN	Replacement Of Windows On The

Sales/Ownership History

Transfer Date	Price	Type	Validity	Deed Reference	Deed Type	Grantee
			No Consideration		No Consideration	ROCKY HILL TOWN OF

Inspection Witnessed By _____

Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 468400
VERIZON SITE NAME: ROCKY HILL EAST CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 150'-10"

BUSINESS UNIT #: 827050
SITE ADDRESS: 699 OLD MAIN ST.
COUNTY: HARTFORD
JURISDICTION: HARTFORD COUNTY

VERIZON FUZE PROJECT #: 16232015

verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CC CROWN CASTLE

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

INFINIGY

FROM ZERO TO INFINIGY
the solutions are endless

BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468400

BU #: 827050
ROCKY HILL/ RTE 160_1

699 OLD MAIN ST.
ROCKY HILL, CT 06067

EXISTING 150'-10" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/29/2021	RCD	FINAL CDs	HL

STATE OF CONNECTICUT

SHUHEI SAKANOU

34916

PROFESSIONAL ENGINEER

8/6/2021

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: 0

SITE INFORMATION	
CROWN CASTLE USA INC. SITE NAME:	ROCKY HILL/ RTE 160_1
SITE ADDRESS:	699 OLD MAIN ST. ROCKY HILL, CT 06067
COUNTY:	HARTFORD
MAP/PARCEL #:	TBD
AREA OF CONSTRUCTION:	EXISTING
LATTITUDE:	41° 40' 5.4984" N (41.668194°)
LONGITUDE:	-72° 38' 16.8" W (-72.638°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	91.0'
CURRENT ZONING:	TBD
JURISDICTION:	HARTFORD COUNTY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TBD TBD TBD
TOWER OWNER:	AT&T TOWERS 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	TBD ----
TELCO PROVIDER:	TBD ----

PROJECT TEAM	
A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 ---- - PROJECT MANAGER ---- ---- - CONSTRUCTION MANAGER ----
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

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 11X17. 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	16232015	
VzW LOCATION CODE (PSLC)	468400	
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT		

MOUNT MODIFICATION REQUIRED	N
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 (180 WASHINGTON VALLEY ROAD, BEDMINSTER, NJ 07921) HEAD TOWARD WASHINGTON VALLEY RD / COUNTY HWY-620, TURN LEFT ONTO WASHINGTON VALLEY RD / COUNTY HWY-620, BEAR RIGHT ONTO US-206 N / US-202 N / US HIGHWAY 202 206, EXXON ON THE CORNER, BEAR RIGHT ONTO US-202 N / US-206 N / US HIGHWAY 202 206, TURN RIGHT ONTO SCHLEY MOUNTAIN RD, TAKE THE RAMP ON THE RIGHT FOR I-287 N, AT EXIT 41A, HEAD RIGHT ON THE RAMP FOR I-80 EAST TOWARD NEW YORK CITY / SMITH ROAD, KEEP STRAIGHT TO GET ONTO I-95 N / NEW JERSEY TPKE N, ENTERING NEW YORK, KEEP LEFT TO STAY ON I-95 N, AT EXIT 9, HEAD ON THE RAMP RIGHT AND FOLLOW SIGNS FOR HUTCHINSON PKWY N, AT EXIT 6, HEAD RIGHT ON THE RAMP FOR I-95 NORTH TOWARD NEW HAVEN, ENTERING CONNECTICUT, AT EXIT 48, HEAD RIGHT ON THE RAMP FOR I-91 NORTH TOWARD HARTFORD, MERGE TOWARD I 91, KEEP STRAIGHT TO GET ONTO I 91, ROAD NAME CHANGES TO I-91 N, AT EXIT 23, HEAD RIGHT ON THE RAMP FOR WEST STREET TOWARD ROCKY HILL, TURN RIGHT ONTO WEST ST, TURN LEFT ONTO CT-99 / MAIN ST, TURN RIGHT ONTO CT-160 / ELM ST, THEN IMMEDIATELY TURN LEFT ONTO OLD MAIN ST, TURN LEFT TO STAY ON OLD MAIN ST, TURN LEFT, TURN RIGHT, ARRIVE AT 699 OLD MAIN ST, 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:	MASER CONSULTING CONNECTICUT
DATED:	6/24/2021
RFDS REVISION:	TBD
DATED:	3/18/2021
ORDER ID:	568276
REVISION:	0

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

001

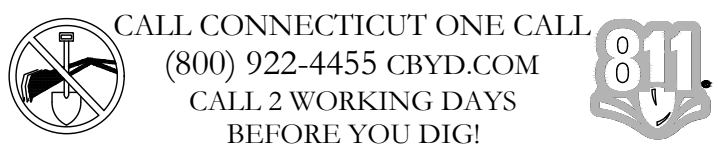
PROJECT DESCRIPTION

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 (3) ANTENNAS

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



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) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

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 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-ENTRAPPING 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/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET NEW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECIMATE 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



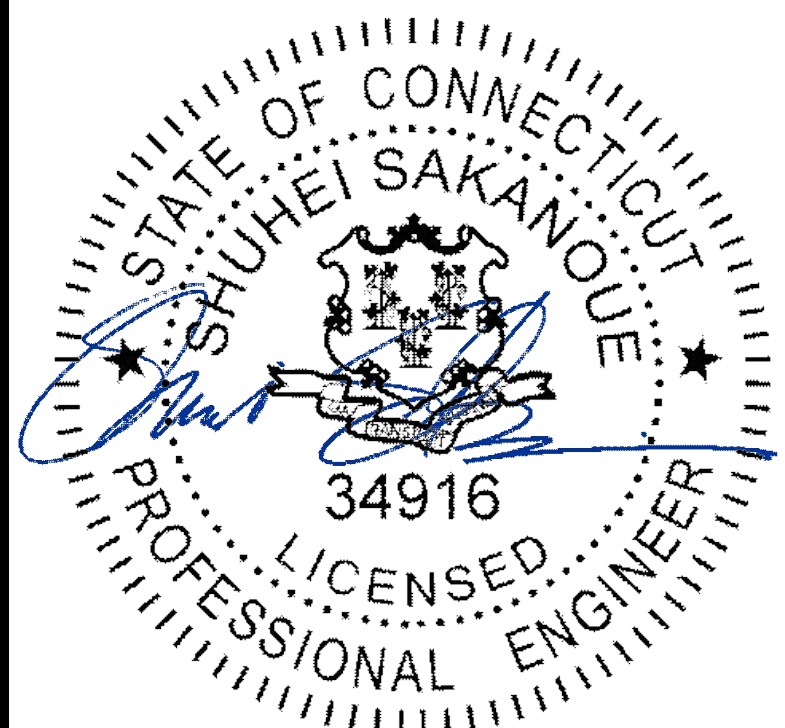
VERIZON SITE NUMBER:
468400

BU #: **827050**
ROCKY HILL/ RTE 160_1

699 OLD MAIN ST.
ROCKY HILL, CT 06067

EXISTING 150'-10" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/29/2021	RCD	FINAL CDs	HL



8/6/2021

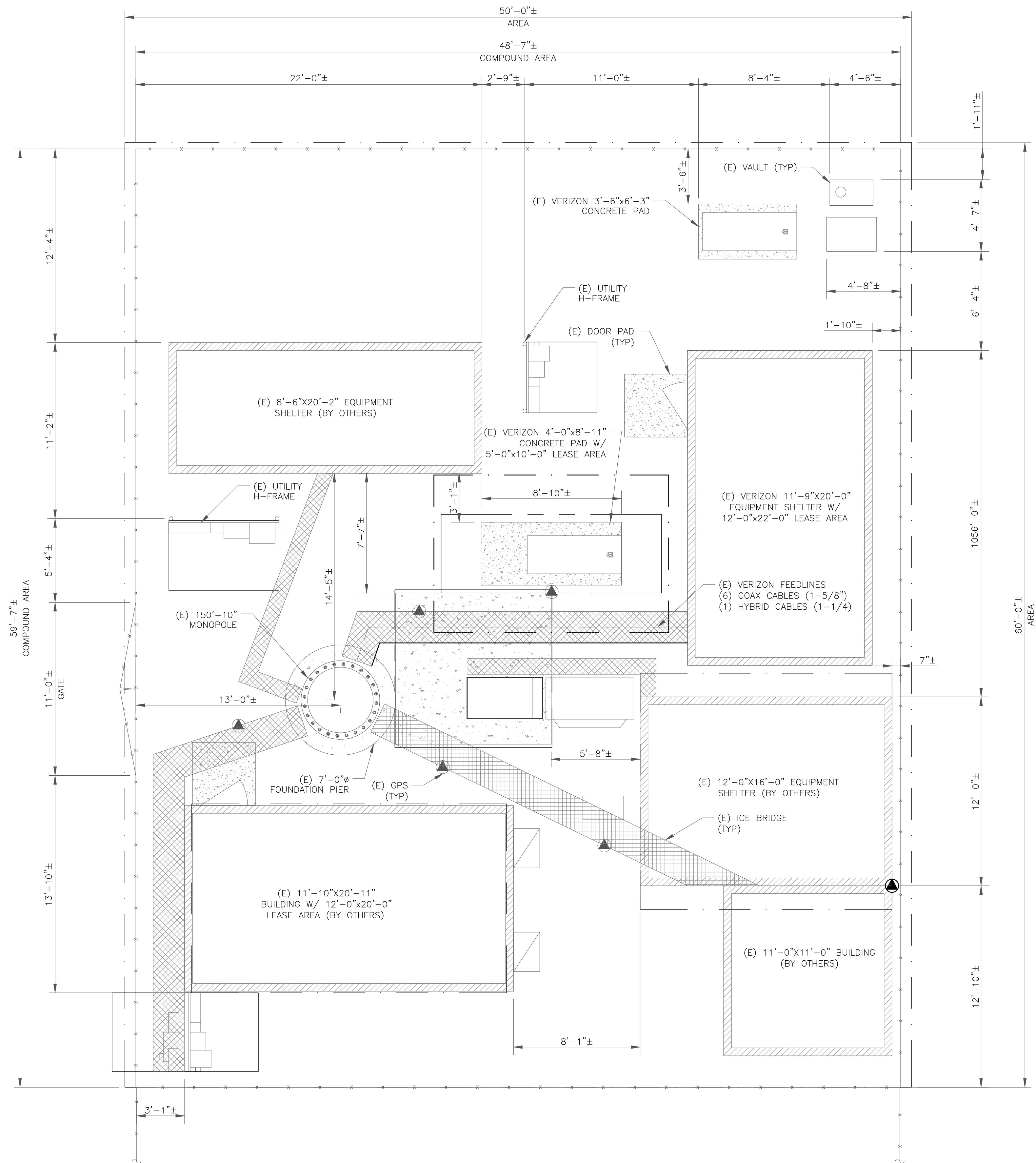
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:

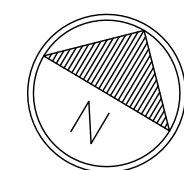
T-2

REVISION:

0



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



verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
468400
BU #: **827050**
ROCKY HILL/ RTE 160_1
699 OLD MAIN ST.
ROCKY HILL, CT 06067
EXISTING 150'-10" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	07/29/2021	RCD	FINAL CDs	HL

STATE OF CONNECTICUT
SHUHEI SAKANOU
34916
LICENSED PROFESSIONAL ENGINEER
8/6/2021

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: **C-1** REVISION: **0**

NOTES:

- THESE DRAWINGS ARE NOT INTENDED TO BE A VERIFICATION THAT THE STRUCTURE OR MOUNTS ARE ADEQUATE TO SUPPORT THE PROPOSED LOADING. VERIFICATION THAT THE EXISTING STRUCTURE AND MOUNTS CAN SUPPORT THE PROPOSED LOADING SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO REFER TO THE STRUCTURAL ANALYSIS AND MOUNT ASSESSMENT AND VERIFY LOADING WITH THE MOST RECENT RFDS PRIOR TO CONSTRUCTION.

TOP OF EQUIPMENT
ELEV. = 176'-8"

TOP OF MONOPOLE
ELEV. = 150'-10"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 150'-0"

TOP OF (N) ANTENNA

ELEV. = 143'-0"

TOP OF (N) ANTENNA

ELEV. = 141'-5"

CENTERLINE OF MOUNT

ELEV. = 140'-0"

CENTERLINE OF (N) ANTENNA

ELEV. = 140'-0"

CENTERLINE OF ANTENNA MOUNT BY OTHERS

ELEV. = 130'-0"

CENTERLINE OF ANTENNA MOUNT BY OTHERS

ELEV. = 105'-0"

CENTERLINE OF ANTENNA MOUNT BY OTHERS

ELEV. = 95'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 72'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 64'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 61'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 54'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 49'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 45'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 40'-0"

CENTERLINE OF (E) ANTENNA BY OTHERS

ELEV. = 37'-0"

(E) 150'-10" MONOPOLE

(E) VERIZON FEEDLINES

(6) COAX CABLES (1-5/8")

(1) HYBRID CABLES (1-1/4")

(E) VERIZON EQUIPMENT

CABINET

(E) SHELTER

(BY OTHERS)

(E) CHAIN-LINK

FENCE

1 TOWER ELEVATION
SCALE: NOT TO SCALE

(E) RRH TO REMAIN
SAMSUNG - B5/B13 RRH-BR04C
(3 TOTAL, 1 PER SECTOR)

(E) RRH TO REMAIN
SAMSUNG - B2/B66A RRH-BR049
(3 TOTAL, 1 PER SECTOR)

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

(E) ANTENNA TO REMAIN
SAMSUNG-XXDWM-12.5-65-8T
(3 TOTAL, 1 PER SECTOR)

(E) 150'-10"
MONOPOLE

(E) OVP RAYCAP TO REMAIN
- RXXDC-3315-PF-48
(1 TOTAL)

(E) ANTENNA TO BE REMOVED
ANDREW-LNX-6514DS-A1M
(3 TOTAL, 1 PER SECTOR)

2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

(E) RRH
SAMSUNG - B5/B13 RRH-BR04C
(3 TOTAL, 1 PER SECTOR)

(E) RRH
SAMSUNG - B2/B66A RRH-BR049
(3 TOTAL, 1 PER SECTOR)

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

(E) ANTENNA TO REMAIN
SAMSUNG-XXDWM-12.5-65-8T
(3 TOTAL, 1 PER SECTOR)

(E) 150'-10"
MONOPOLE

(E) OVP RAYCAP
- RXXDC-3315-PF-48
(2 TOTAL)

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

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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CASTLE

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VERIZON SITE NUMBER:
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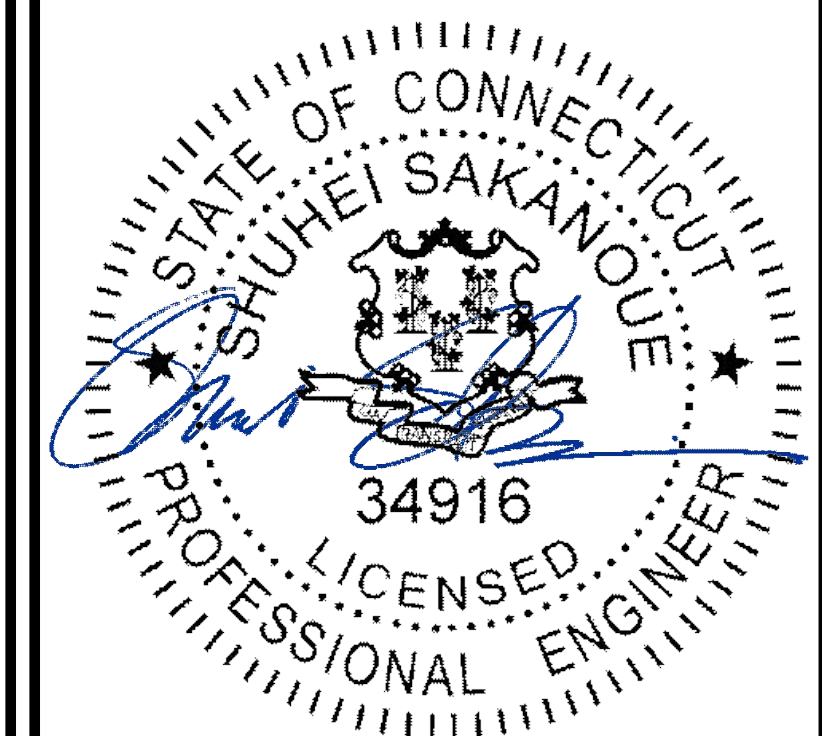
BU #: 827050
ROCKY HILL/ RTE 160_1

699 OLD MAIN ST.
ROCKY HILL, CT 06067

EXISTING 150'-10" MONOPOLE

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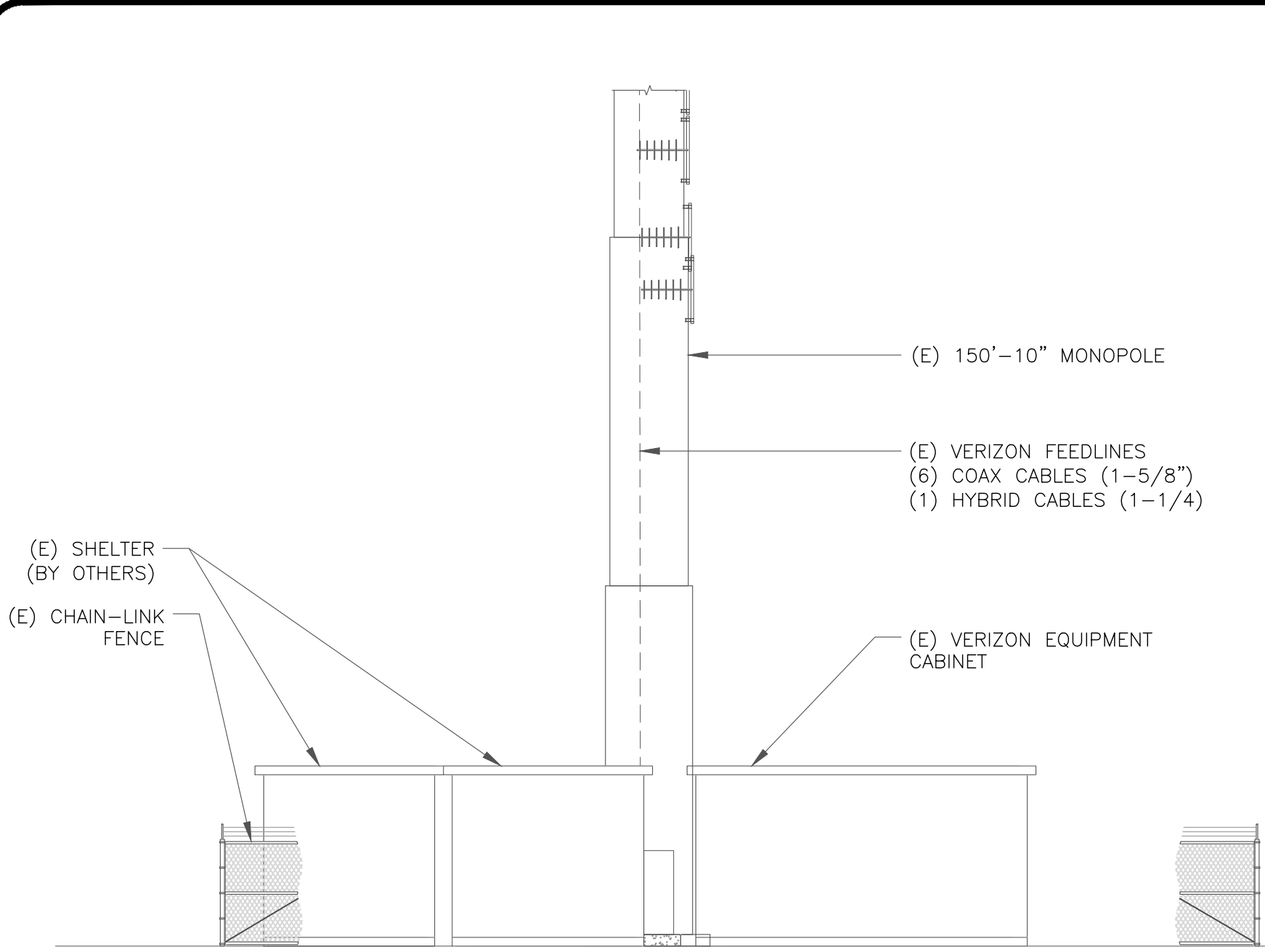
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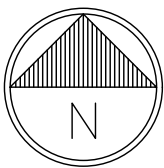
ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	COMMSCOPE	NHH-65B-R4	140'-0"	60°	0°/0°/0°/0°	6°/6°/3°/3°	SAMSUNG	(1) B2/B66A RRH-BR049
A2	EXISTING	SAMSUNG	XXDWM-12.5-65-8T	140'-0"	60°	0°	8°	-	-
A3	EXISTING	COMMSCOPE	NHH-65B-R4	140'-0"	60°	0°/0°/0°/0°	6°/6°/3°/3°	SAMSUNG	(1) B5/B13 RRH-BR04C
A4	NEW	SAMSUNG	MT6407-77A	140'-0"	60°	0°	3°	-	-
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
B1	EXISTING	COMMSCOPE	NHH-65B-R4	140'-0"	140°	1°/0°/0°/0°	6°/6°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049
B2	EXISTING	SAMSUNG	XXDWM-12.5-65-8T	140'-0"	140°	0°	8°	-	-
B3	EXISTING	COMMSCOPE	NHH-65B-R4	140'-0"	140°	1°/0°/0°/0°	6°/6°/2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C
B4	NEW	SAMSUNG	MT6407-77A	140'-0"	140°	0°	3°	-	-
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
C1	EXISTING	COMMSCOPE	NHH-65B-R4	140'-0"	260°	0°/0°/0°/0°	8°/8°/3°/3°	SAMSUNG	(1) B2/B66A RRH-BR049
C2	EXISTING	SAMSUNG	CBRS	140'-0"	260°	0°	8°	-	-
C3	EXISTING	COMMSCOPE	NHH-65B-R4	140'-0"	260°	0°/0°/0°/0°	8°/8°/3°/3°	SAMSUNG	(1) B5/B13 RRH-BR04C
C4	NEW	SAMSUNG	MT6407-77A	140'-0"	260°	0°	3°	-	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	190'-0"±	6
EXISTING	HYBRID	1-1/4"	190'-0"±	2
-	-	-	-	-
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE





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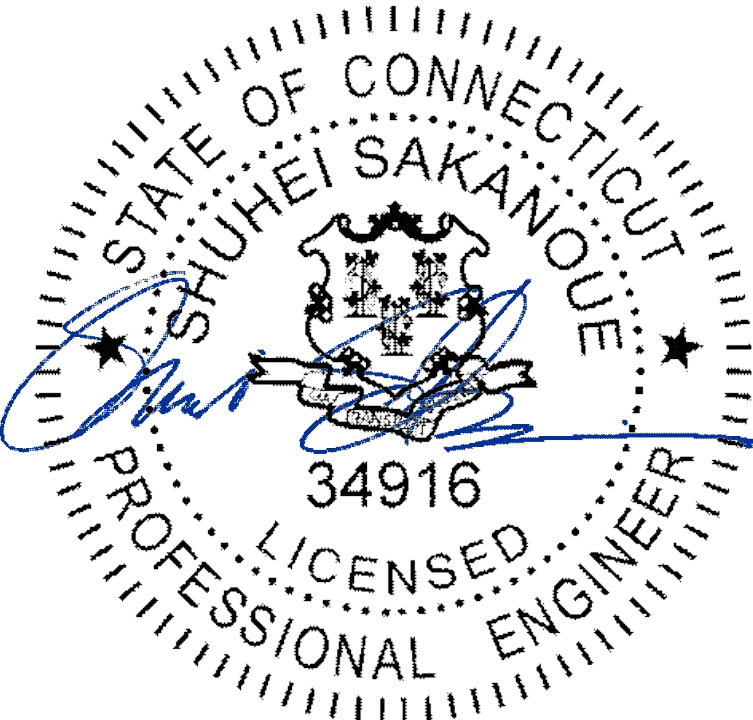
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EXISTING 150'-10" MONOPOLE

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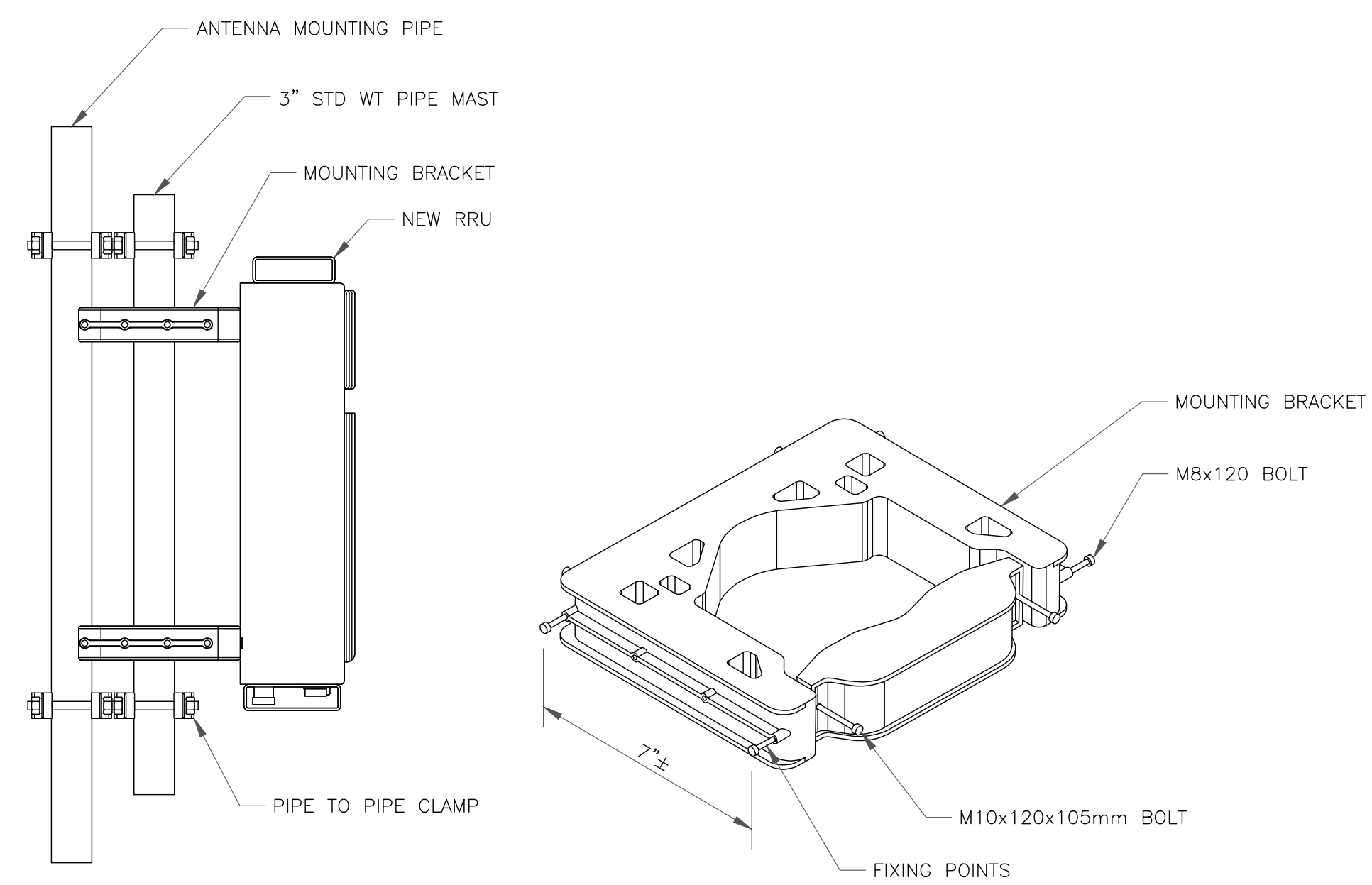
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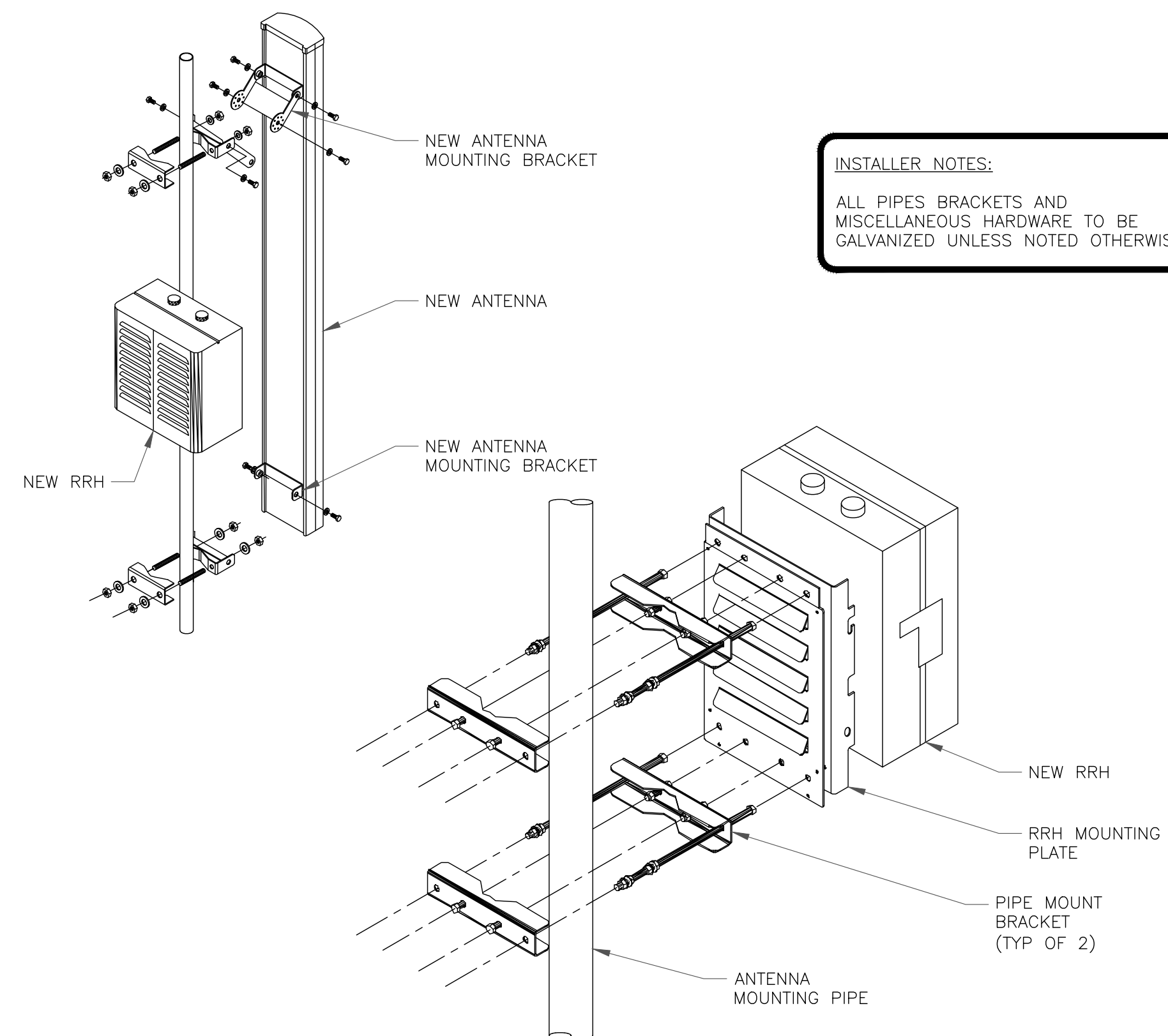
REVISION:
0

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



VERIZON SITE NUMBER:
468400

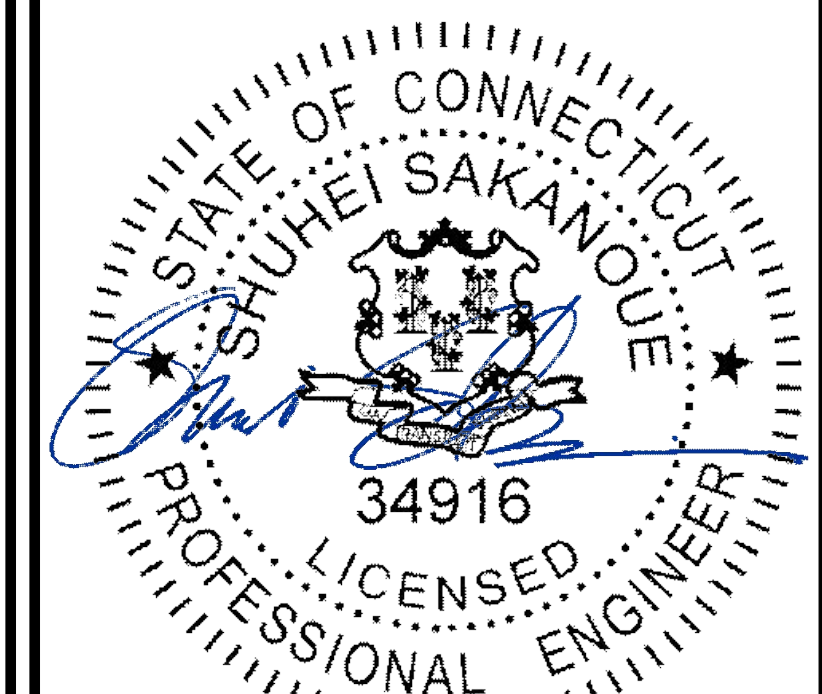
BU #: 827050
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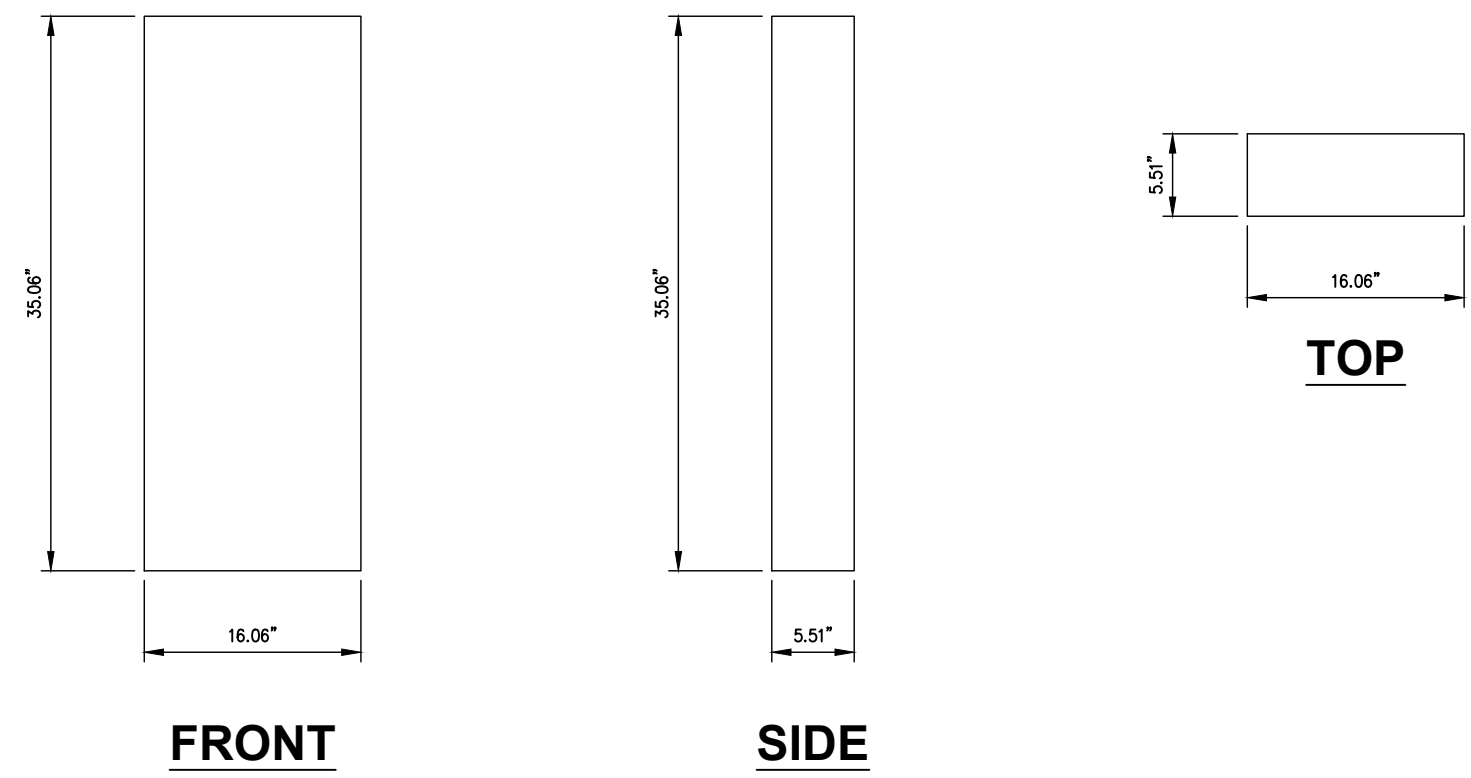
C-4

REVISION:

O

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

2 NOT USED
SCALE: NOT TO SCALE

2 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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STATE OF CONNECTICUT

SHUHEI SAKANOU

34916

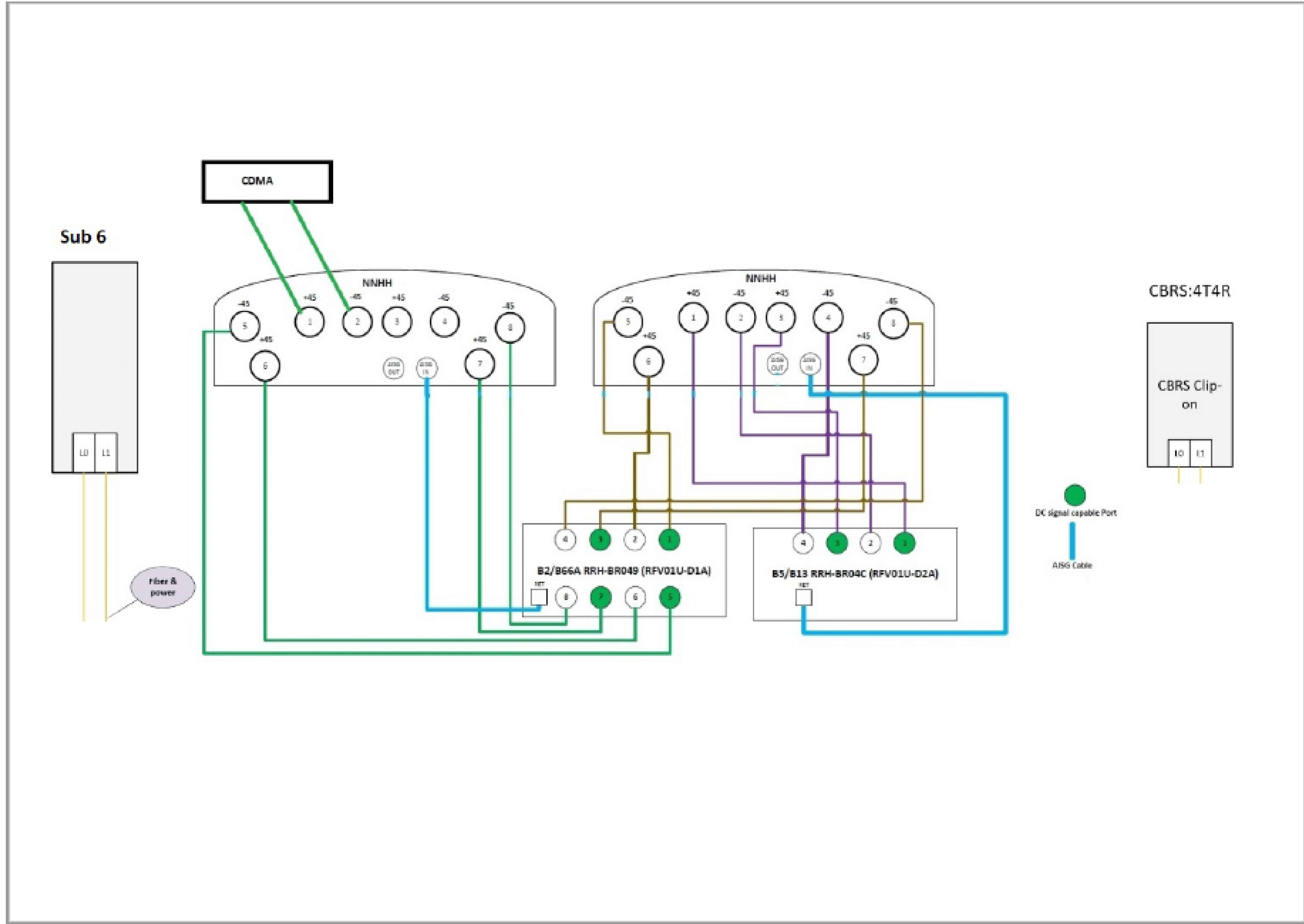
PROFESSIONAL ENGINEER

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1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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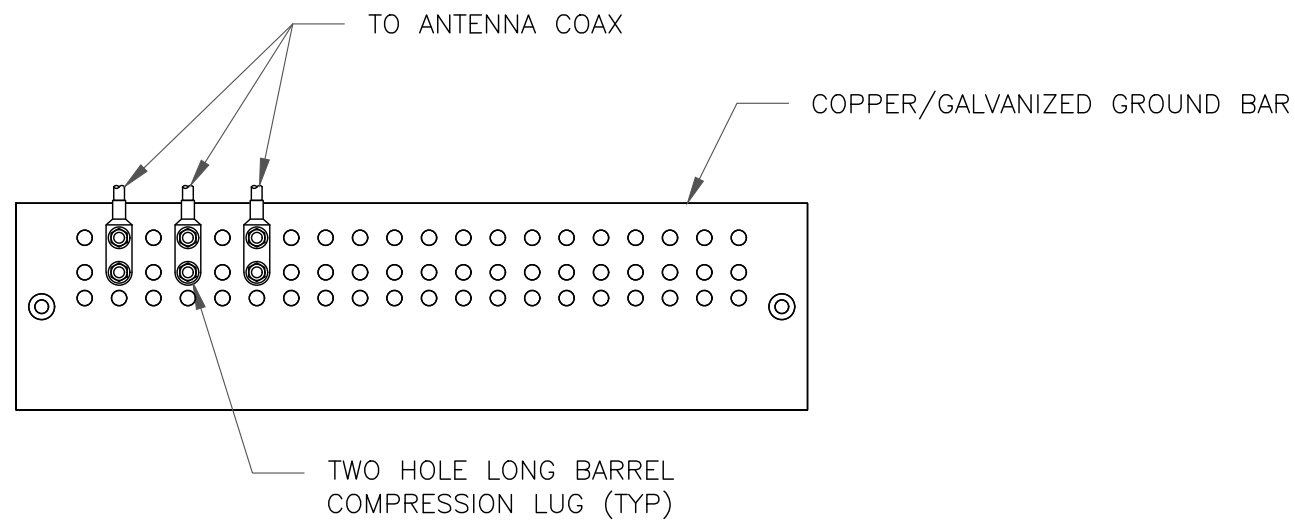
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BU #: 827050
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699 OLD MAIN ST.
ROCKY HILL, CT 06067
EXISTING 150'-10" MONOPOLE

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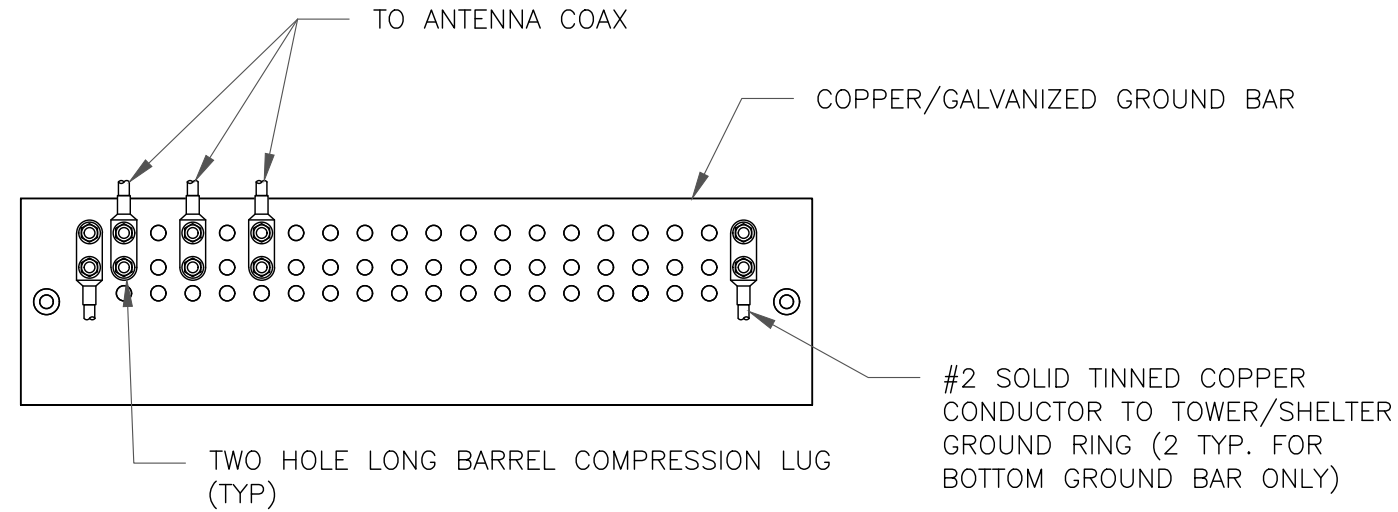
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NOTES:

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

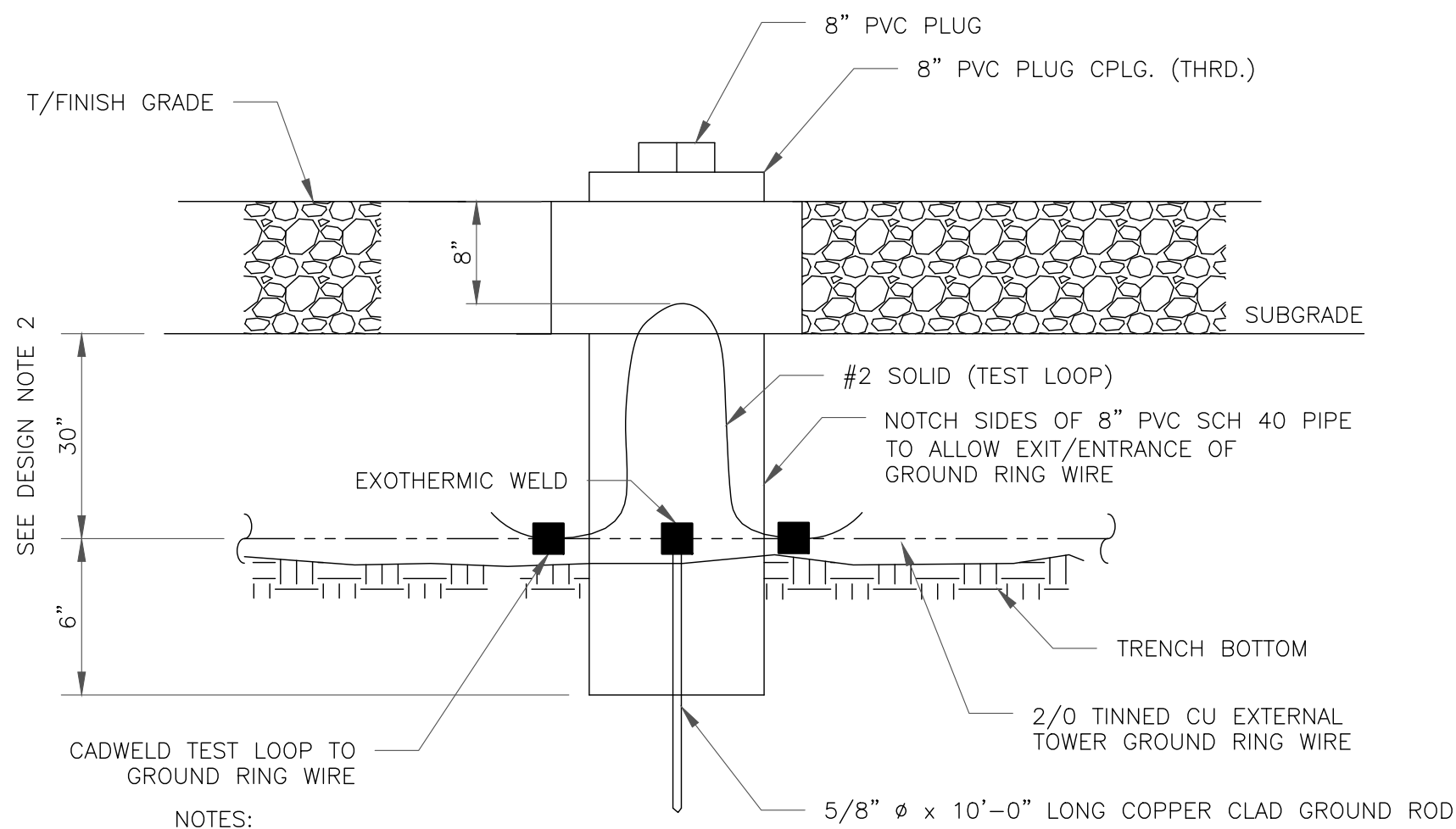
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

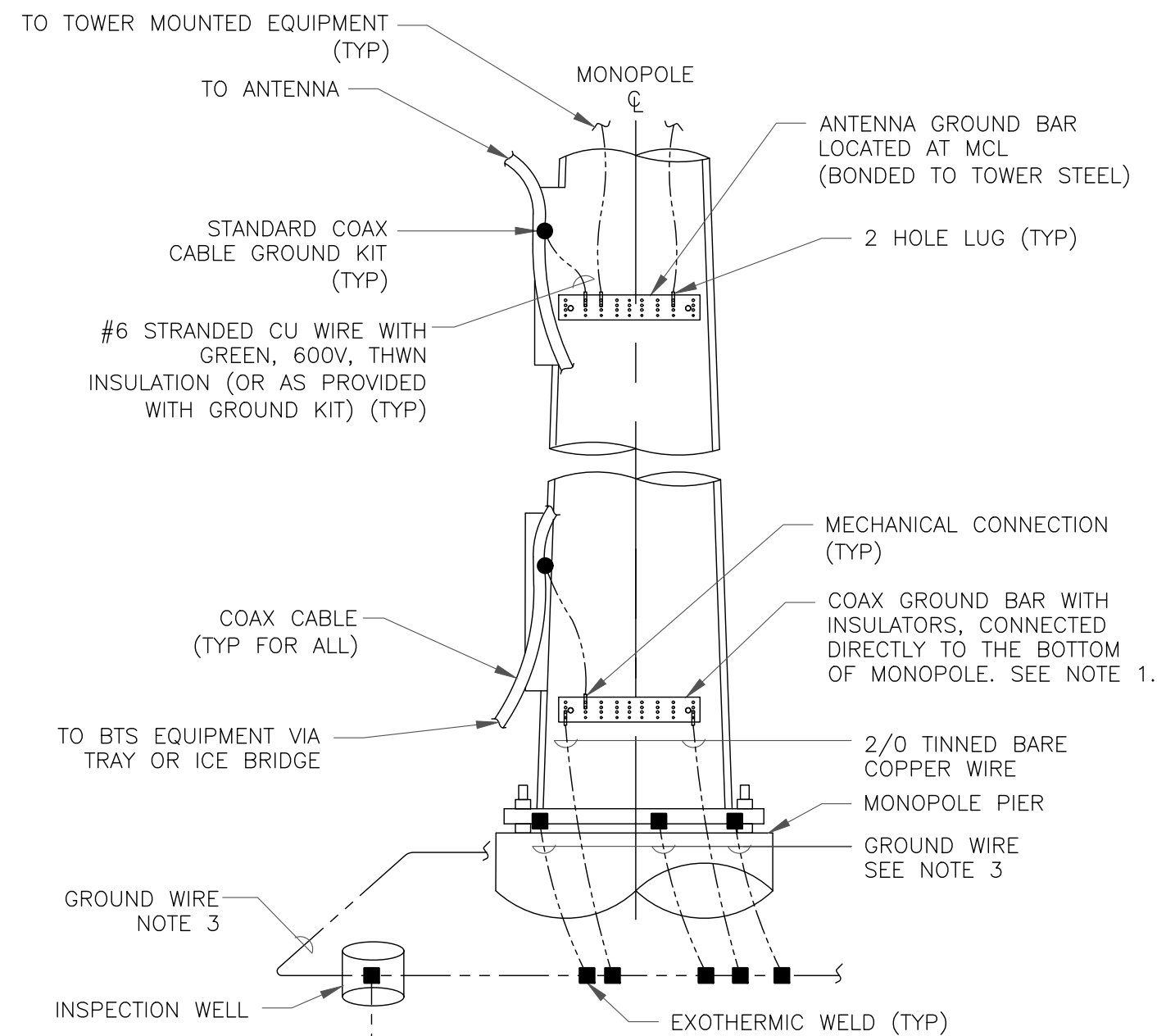
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

- GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
- 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)

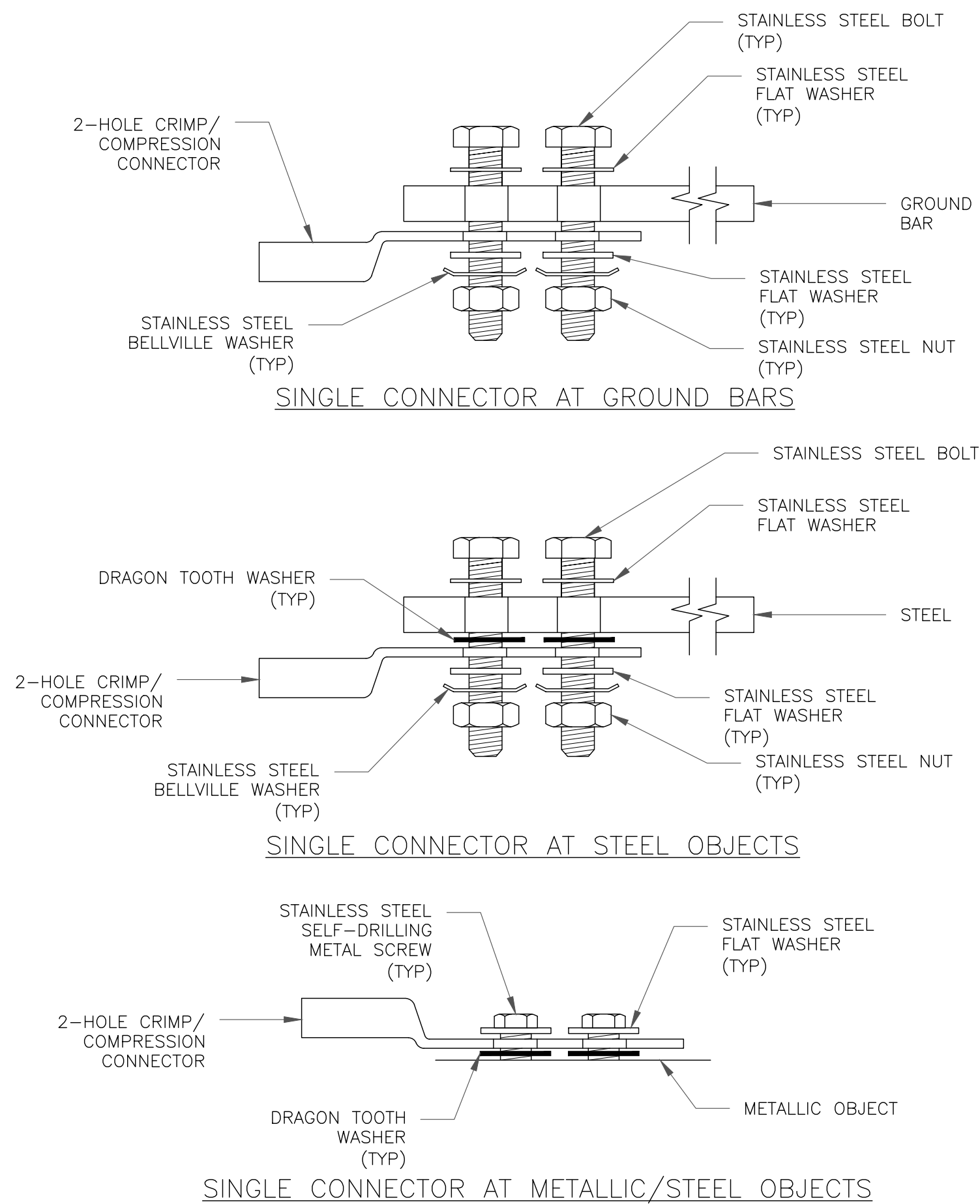
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



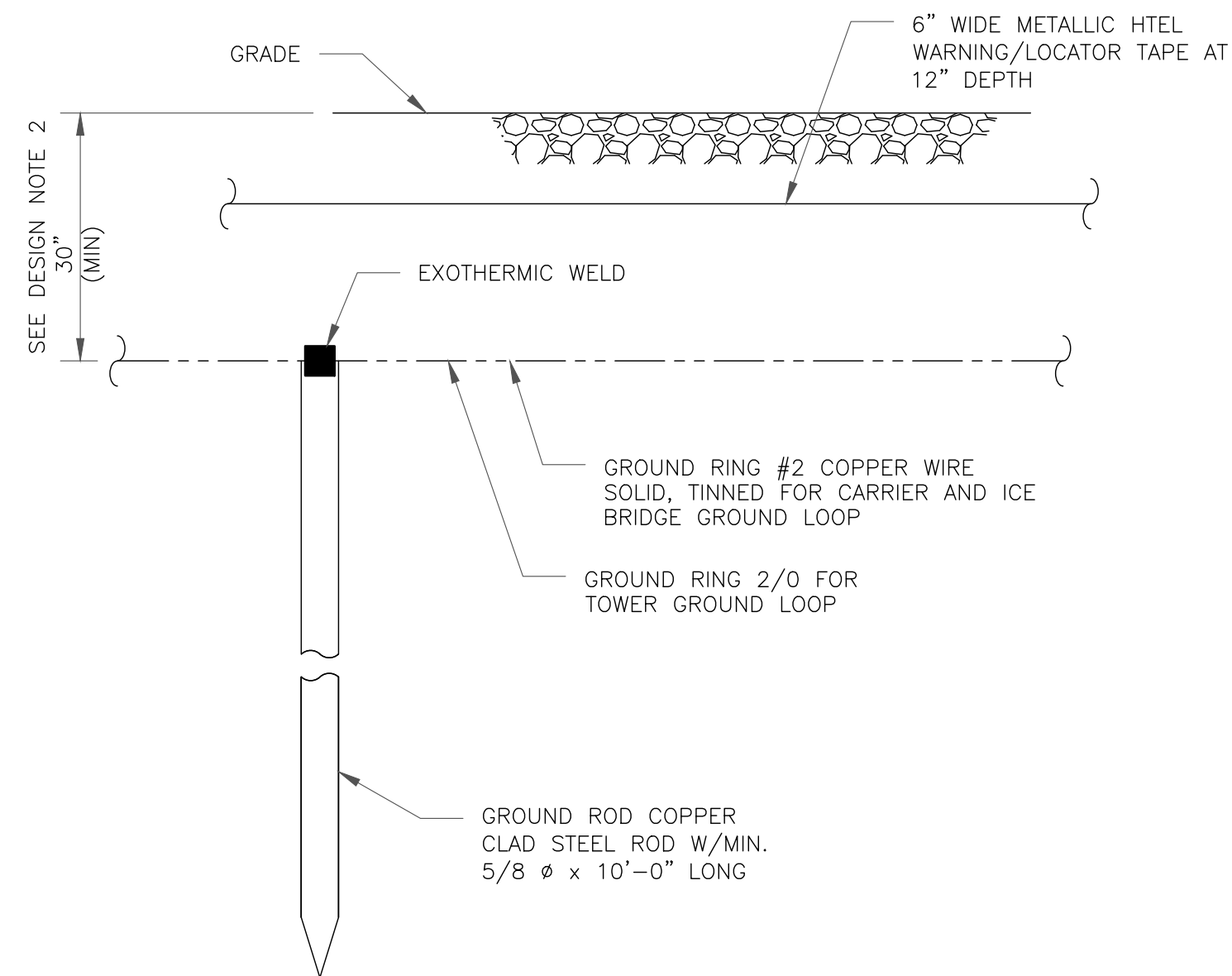
NOTES:

- 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.
- 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.
- 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:

- GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
- 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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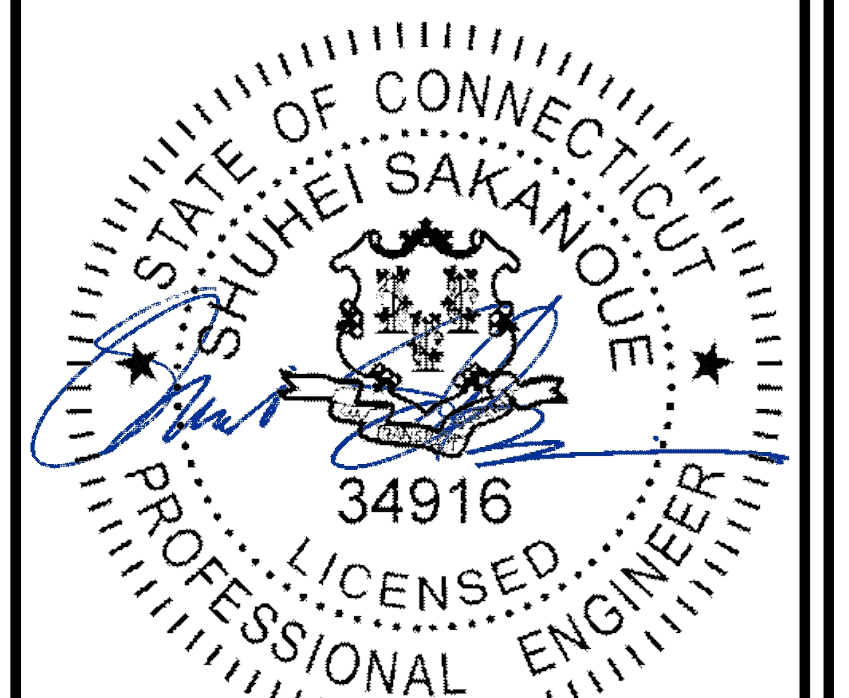
BU #: 827050
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ROCKY HILL, CT 06067

EXISTING 150'-10" MONOPOLE

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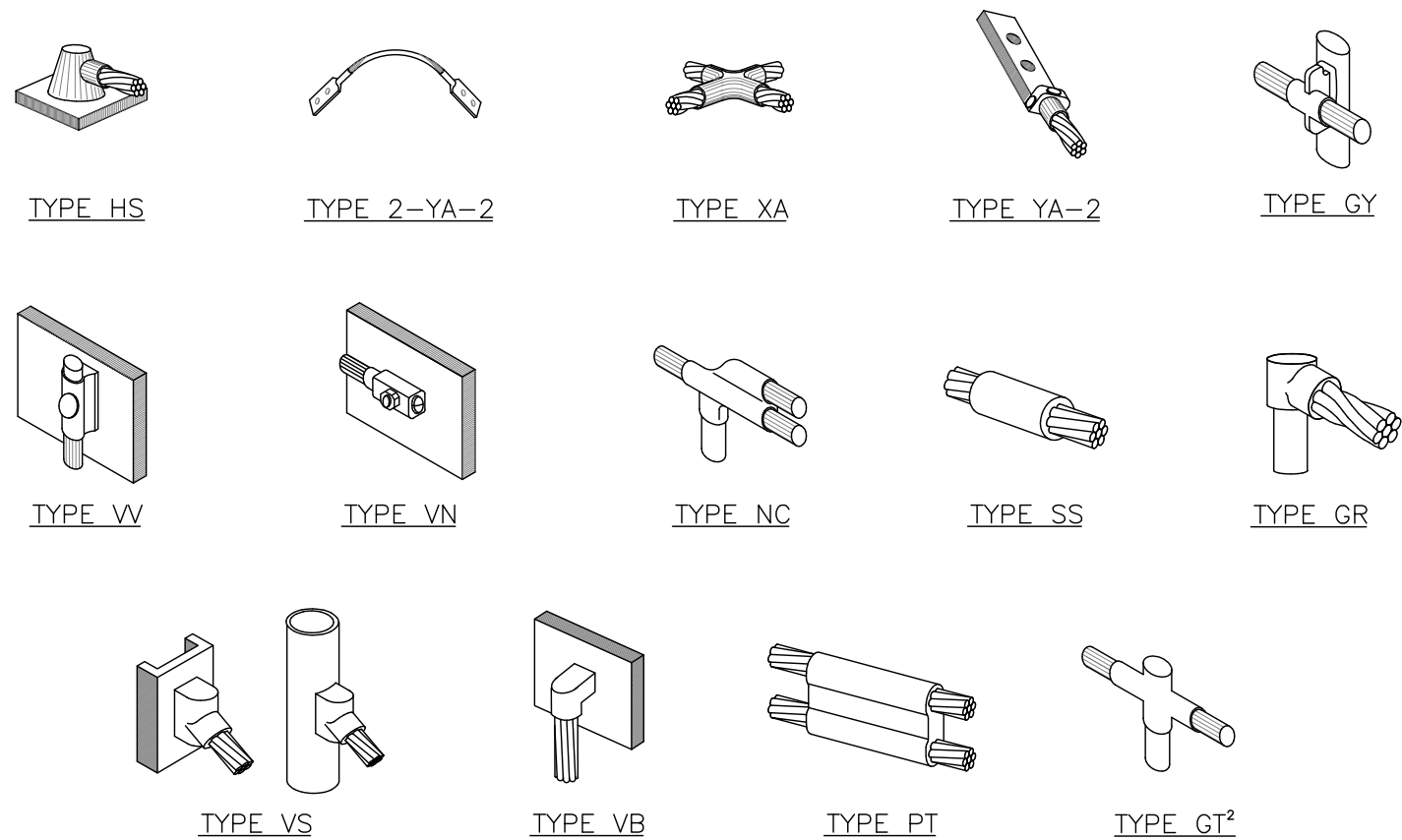
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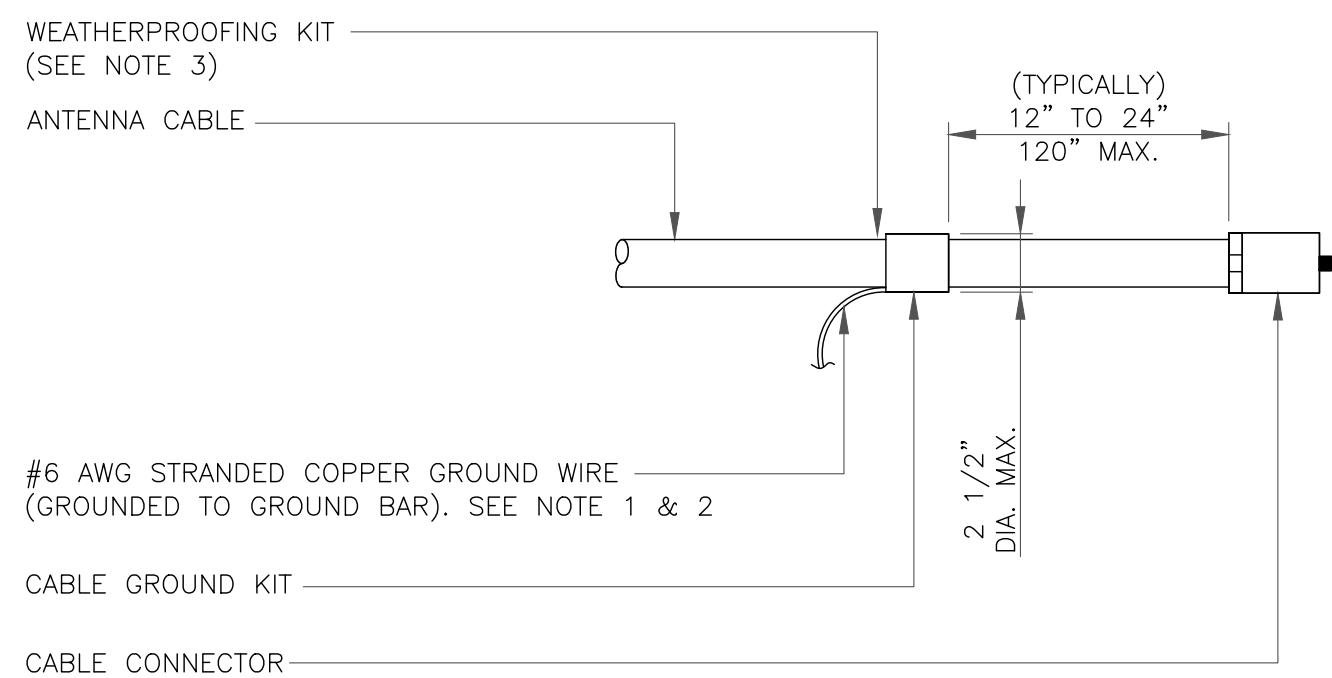
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NOTE:

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.

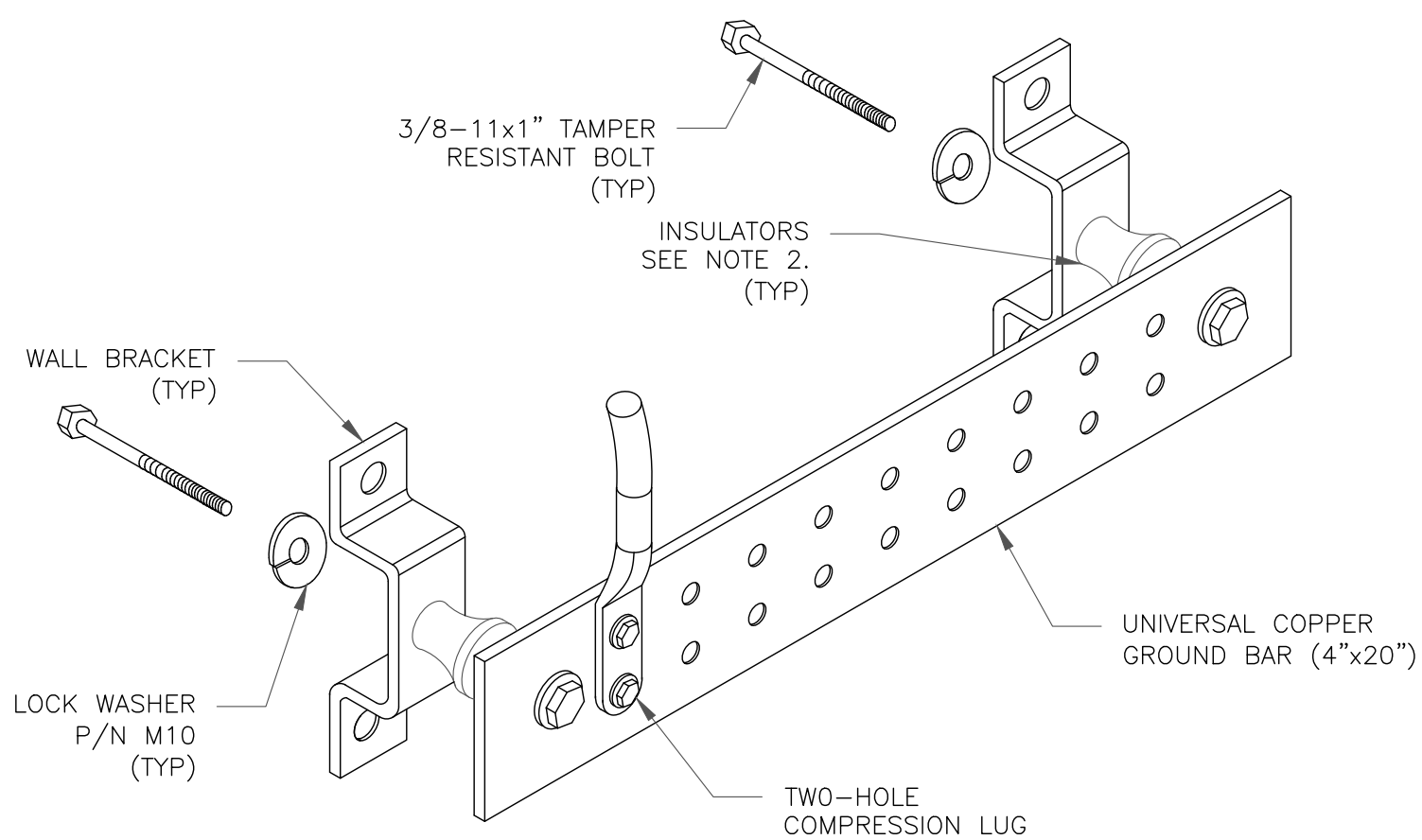
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

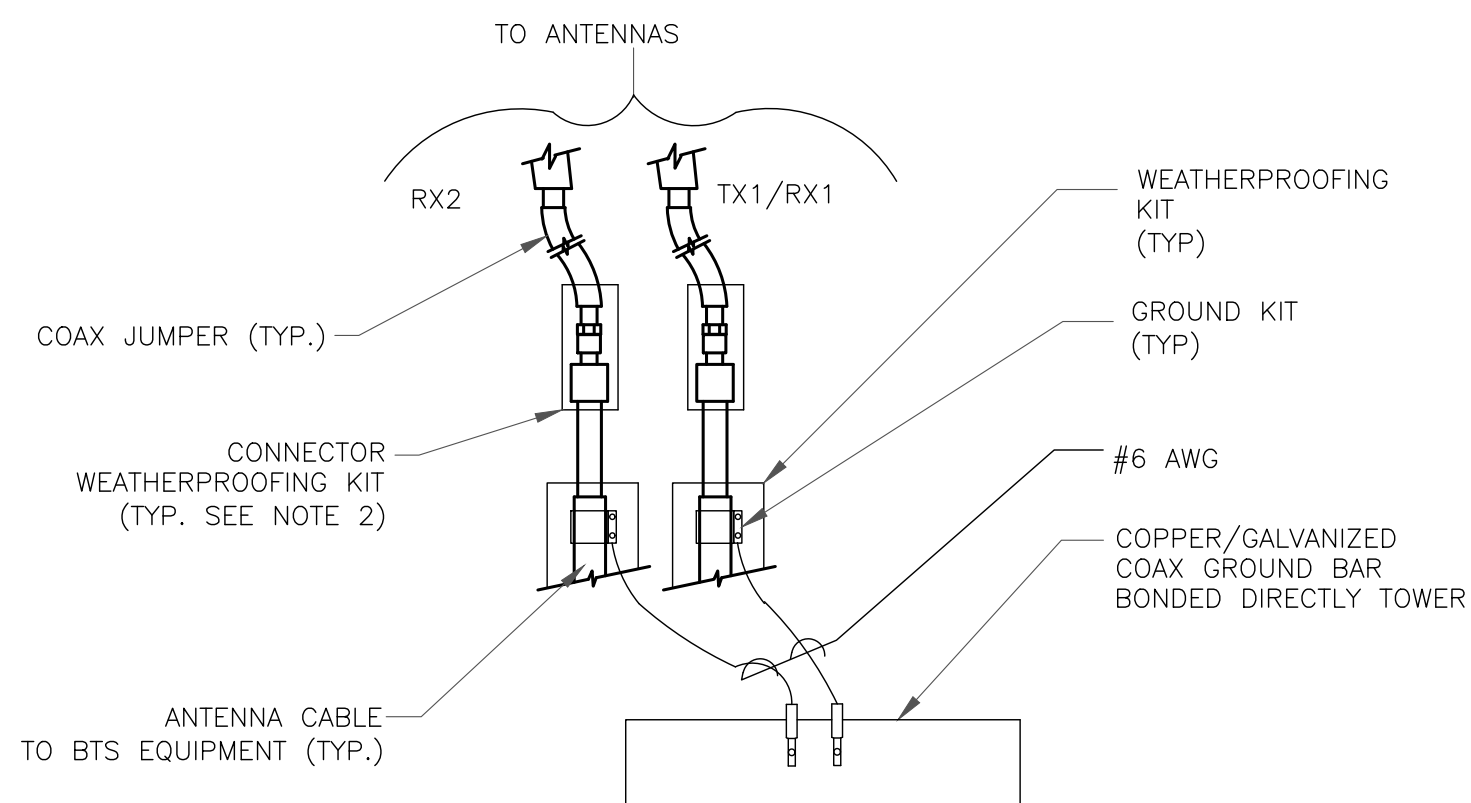
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



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.

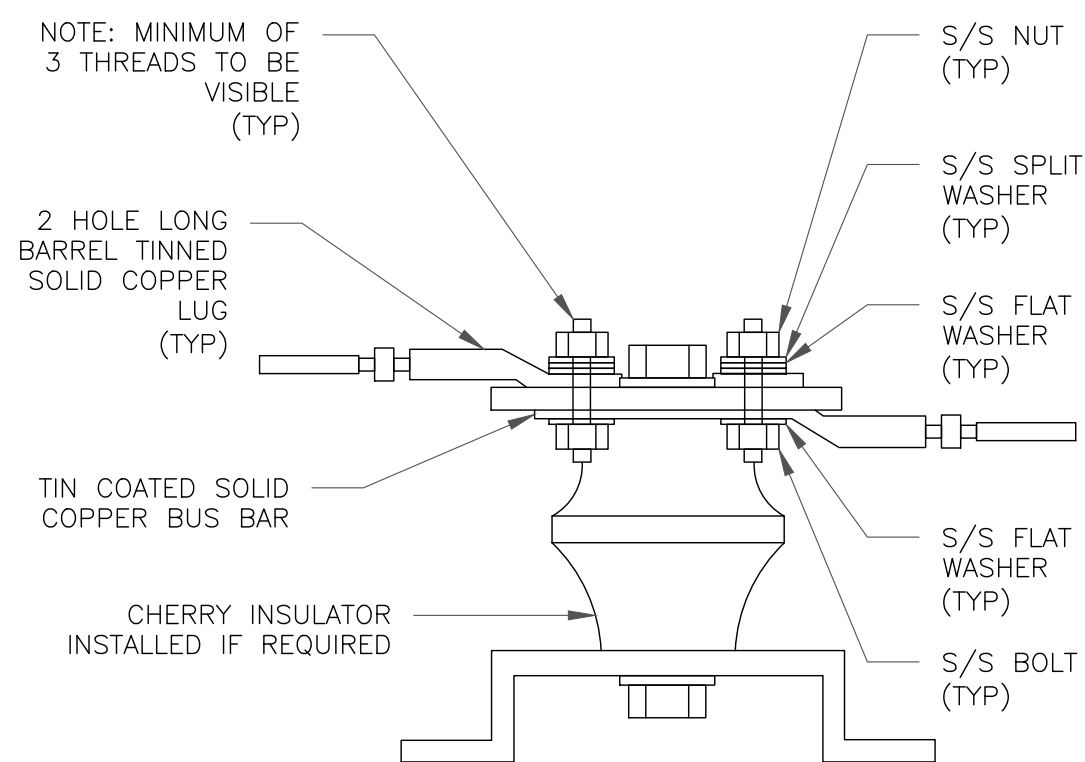
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

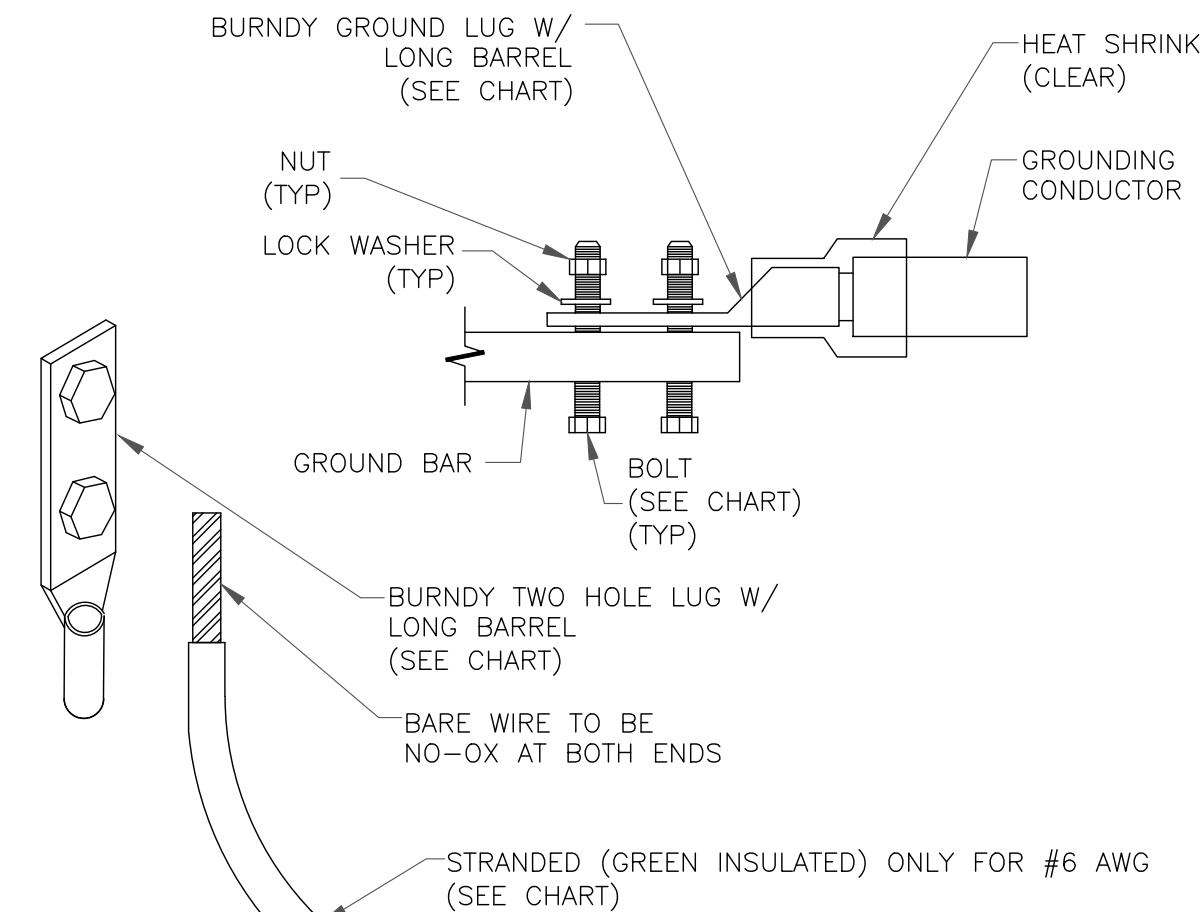
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

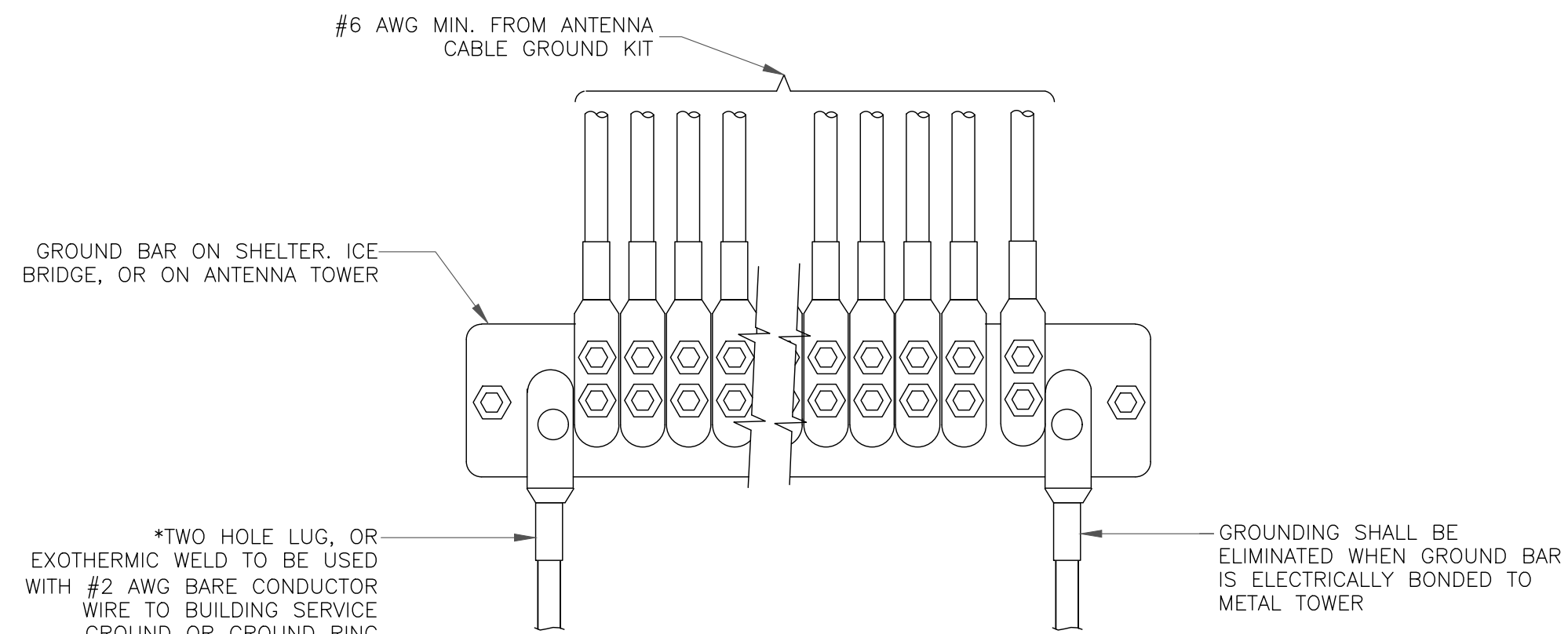
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



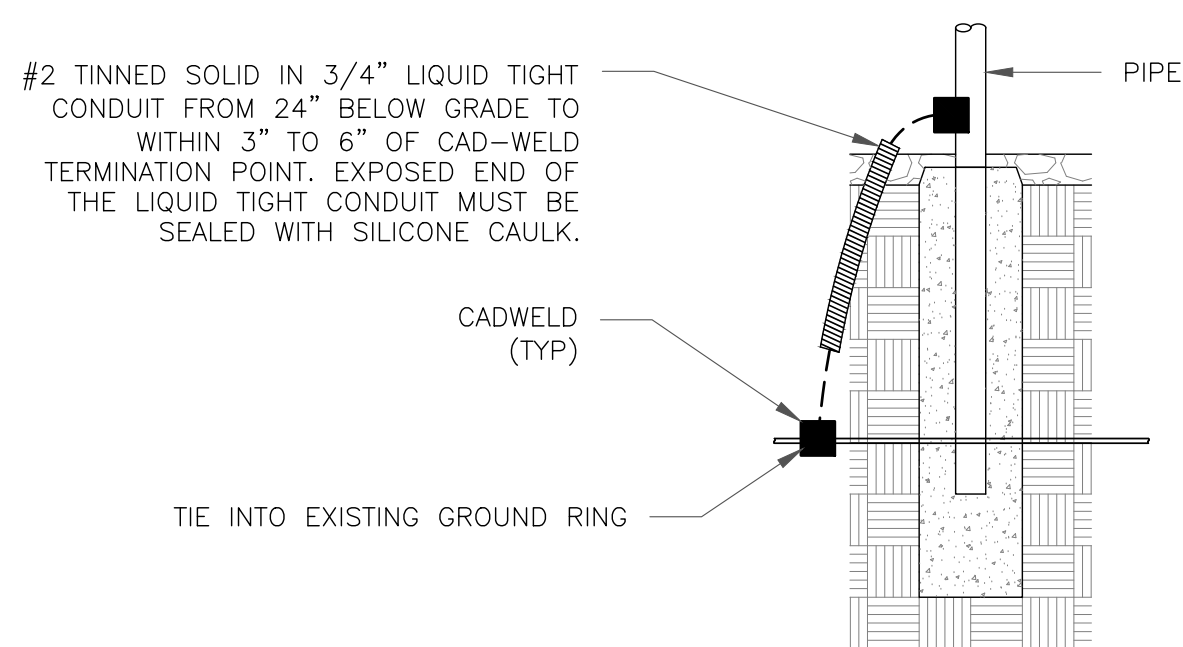
NOTES:

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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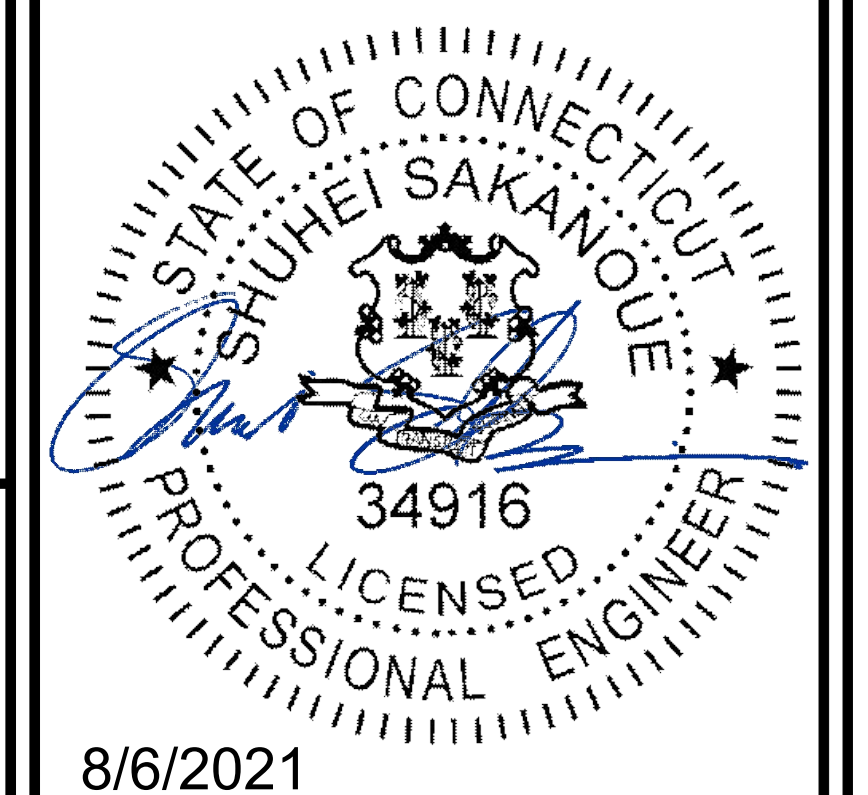
VERIZON SITE NUMBER:
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BU #: 827050
ROCKY HILL/ RTE 160_1

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ROCKY HILL, CT 06067

EXISTING 150'-10" MONOPOLE

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Exhibit D

Structural Analysis Report



Date: **May 25, 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: 468400
Site Name: Rocky Hill East CT

Crown Castle Designation: **BU Number:** 827050
Site Name: Rocky Hill/ Rte 160_1
JDE Job Number: 667187
Work Order Number: 1962245
Order Number: 568276 Rev. 0

Engineering Firm Designation: **B+T Group Project Number:** 140124.003.01

Site Data: **699 Old Main St., Rocky Hill, Hartford County, CT**
Latitude 41° 40' 5.77", Longitude -72° 38' 16.93"
147.5 Foot - Monopole Tower

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:

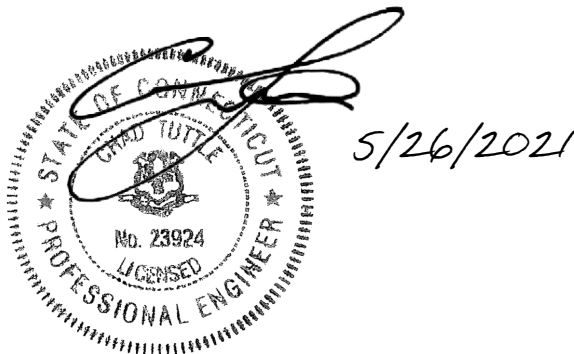
LC5: Proposed Equipment Configuration

Sufficient Capacity

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

Structural analysis prepared by: Jacob Johnson, E.I.T.

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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tnxTower Output

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Additional Calculations

1) INTRODUCTION

This tower is a 147.5 ft. Monopole designed by PiROD Manufactures Inc. in July 1999.

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)
140.0	140.0	6	Commscope	NNHH-65B-R4	7 1	1-5/8 1-1/4
		1	Raycap	RVZDC-6627-PF-48		
		1	Rfs Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Tele	CBRS		
		3	Samsung Tele	MT6407-77A		
		3	Samsung Tele	RFV01U-D1A		
		3	Samsung Tele	RFV01U-D2A		
		1	--	Platform Mount [LP 303-1_KCKR]		

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)
150.0	167.0	2	Dbspectra	DS4C06F36D-D	7	7/8
	154.0	1	Rfs Celwave	201-1N		
	152.0	1	Radiowaves	HPD2-4.7		
	150.0	3	Commscope	SDX1926Q-43	10	1-5/8
		3	Ericsson	AIR 32 B2A/B66AA		
		3	Ericsson	AIR6449 B41_T-MOBILE		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B71 B85A_T-Mobile		
		3	Ericsson	RRUS 4415 B25		
		3	Rfs Celwave	APXVAARR24_43-U-NA20		
		1	--	Platform Mount [LP 405-1_HR-1]		
130.0	130.0	3	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz	3 1	1-1/4 1-1/2
		6	Alcatel Lucent	RRH2X50-800		
		3	Commscope	NNVV-65B-R4		
		3	Nokia	AAHC		
		1	--	Platform Mount [LP 405-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
102.0	105.0	1	Cci Antennas	HPA-65R-BUU-H6	12 4 4	1-5/8 3/8 5/8
		2	Cci Antennas	HPA-65R-BUU-H8		
		2	Cci Antennas	TPA-65R-LCUUUU-H8		
		3	Ericsson	RRUS 11		
		3	Ericsson	RRUS 32		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B66		
		3	Powerwave Tech	7750.00		
		6	Powerwave Tech	LGP21401		
		6	Powerwave Tech	LGP21903		
		1	Quintel Tech	QS66512-2		
		2	Raycap	DC6-48-60-18-8F		
	102.0	1	--	Platform Mount [LP 303-1]		
95.0	95.0	3	Rfs Celwave	APXV18-206516S-C	6	1-5/8
		1	--	Pipe Mount [PM 601-3]		
89.0	95.0	1	Rfs Celwave	1142-2C	1	1/2
	89.0	1	--	Side Arm Mount [SO 701-1]		
72.0	74.0	1	GPS	GPS_A	--	--
	72.0	1	--	Side Arm Mount [SO 701-1]		
54.0	64.0	1	Rfs Celwave	220-8N	2	7/8
	61.0	1	Rfs Celwave	201-1N		
	54.0	2	--	Side Arm Mount [SO 701-1]		
49.0	49.0	1	Decibel	DB436-C	1	7/8
		1	--	Pipe Mount [PM 601-1]		
45.0	45.0	1	Decibel	DB436-C	1	7/8
		1	--	Pipe Mount [PM 601-1]		
40.0	40.0	1	Decibel	DB436-C	1	7/8
		1	--	Pipe Mount [PM 601-1]		
37.0	37.0	1	Decibel	DB436-C	1	7/8
		1	--	Pipe Mount [PM 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	3464619	CCI Sites
Tower Mapping	6388740	CCI Sites
Tower Modification Drawing	4047808	CCI Sites
Post Modification Inspection	3774968	CCI Sites
Tower Modification Drawing	4047725	CCI Sites
Post Modification Inspection	3774967	CCI Sites
Tower Modification Drawing	4424839	CCI Sites
Post Modification Inspection	5849862	CCI Sites

Document	Reference	Source
Mount Modification Report	8775009	CCI Sites
Foundation Drawing	3674483	CCI Sites
Geotech Report	3464587	CCI Sites
Crown CAD Package	Date: 04/28/2021	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	147.5 - 142.5	Pole	P24x0.375	1	-5.424	--	9.7	Pass
L2	142.5 - 137.5	Pole	P24x0.375	2	-9.500	--	17.2	Pass
L3	137.5 - 132.5	Pole	P24x0.375	3	-10.180	--	26.3	Pass
L4	132.5 - 127.5	Pole	P24x0.375	4	-14.469	--	37.5	Pass
L5	127.5 - 125	Pole	P24x0.375	5	-14.836	--	43.7	Pass
L6	125 - 120	Pole	P30x0.375	6	-15.701	--	37.2	Pass
L7	120 - 115	Pole	P30x0.375	7	-16.573	--	45.7	Pass
L8	115 - 110	Pole	P30x0.375	8	-17.456	--	54.4	Pass
L9	110 - 105	Pole	P30x0.375	9	-18.352	--	63.2	Pass
L10	105 - 100	Pole	P30x0.375	10	-22.730	--	74.9	Pass
L11	100 - 95	Pole	P36x0.375	11	-23.886	--	61.7	Pass
L12	95 - 94.25	Pole	P36x0.375	12	-24.352	--	63.1	Pass
L13	94.25 - 94	Pole + Reinf.	P36x0.49375	13	-24.427	--	52.0	Pass
L14	94 - 89	Pole + Reinf.	P36x0.49375	14	-25.847	--	59.2	Pass
L15	89 - 84	Pole + Reinf.	P36x0.49375	15	-27.573	--	66.9	Pass
L16	84 - 80	Pole + Reinf.	P36x0.49375	16	-30.029	--	73.2	Pass
L17	80 - 79.75	Pole + Reinf.	P42x0.575	17	-30.150	--	43.8	Pass
L18	79.75 - 74.75	Pole + Reinf.	P42x0.575	18	-32.270	--	48.7	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L19	74.75 - 69.75	Pole + Reinf.	P42x0.575	19	-34.149	--	53.7	Pass
L20	69.75 - 64.75	Pole + Reinf.	P42x0.575	20	-36.354	--	59.0	Pass
L21	64.75 - 60	Pole + Reinf.	P42x0.575	21	-41.160	--	64.2	Pass
L22	60 - 59.75	Pole + Reinf.	P48x0.6125	22	-41.326	--	47.0	Pass
L23	59.75 - 54.75	Pole + Reinf.	P48x0.6125	23	-44.174	--	51.2	Pass
L24	54.75 - 49.75	Pole + Reinf.	P48x0.6125	24	-46.488	--	55.6	Pass
L25	49.75 - 44.75	Pole + Reinf.	P48x0.6125	25	-49.198	--	60.1	Pass
L26	44.75 - 40	Pole + Reinf.	P48x0.6125	26	-53.200	--	64.5	Pass
L27	40 - 39.75	Pole + Reinf.	P54x0.65	27	-53.452	--	48.8	Pass
L28	39.75 - 34.75	Pole + Reinf.	P54x0.65	28	-56.593	--	52.4	Pass
L29	34.75 - 29.75	Pole + Reinf.	P54x0.65	29	-59.095	--	56.1	Pass
L30	29.75 - 24.75	Pole + Reinf.	P54x0.65	30	-62.675	--	59.9	Pass
L31	24.75 - 20	Pole + Reinf.	P54x0.65	31	-67.654	--	63.7	Pass
L32	20 - 19.75	Pole + Reinf.	P60x0.625	32	-67.839	--	54.7	Pass
L33	19.75 - 14.75	Pole + Reinf.	P60x0.625	33	-71.353	--	58.1	Pass
L34	14.75 - 9.75	Pole + Reinf.	P60x0.625	34	-74.136	--	61.7	Pass
L35	9.75 - 4.75	Pole + Reinf.	P60x0.625	35	-76.804	--	65.3	Pass
L36	4.75 - 0	Pole + Reinf.	P60x0.625	36	-79.345	--	68.8	Pass
							Summary	
						Pole	74.9	Pass
						Reinforcement	73.2	Pass
						Overall	74.9	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Flange Connections	125	47.6	Pass
1,2	Flange Connections	100	82.4	Pass
1,2	Flange Connections	80	78.1	Pass
1,2	Flange Connections	60	76.3	Pass
1,2	Flange Connections	40	89.5	Pass
1,2	Flange Connections	20	75.7	Pass
1,2	Anchor Rod Bracket	Base	69.5	Pass
1,2	Anchor Rods	Base	67.2	Pass
1,2	Base Plate	Base	81.1	Pass
1,2	Base Foundation (Structure)	Base	77.9	Pass
1,2	Base Foundation (Soil Interaction)	Base	30.7	Pass

Structure Rating (max from all components) =	89.5%
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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.

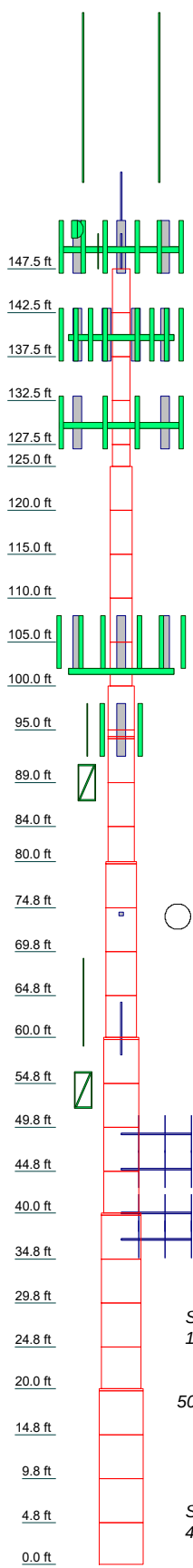
4.1) Recommendations

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

Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Size	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375	P50x0.375
Length (ft)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Grade	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42	A53-B-42
Weight (K)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



ALL REACTIONS
ARE FACTORED

AXIAL
140 K

SHEAR
11 K

MOMENT
1118 kip-ft

TORQUE 1 kip-ft
50 mph WIND - 2.000 in ICE

AXIAL
79 K

SHEAR
45 K

MOMENT
4126 kip-ft

TORQUE 3 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-42	42 ksi	63 ksi			

TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-H Standard.
2. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.000 ft
7. TIA-222-H Annex S
8. Tower Rating: 74.9%

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

Job: **140124.001.01 - Rocky Hill Rte 160_1, CT (BU# 827050)**

Project: _____

Client: Crown Castle

Code: TIA-222-H

Path: _____

Drawn by: Nithish Acharya

Date: 05/12/21

App'd: _____

Scale: NTS

Dwg No. E-1

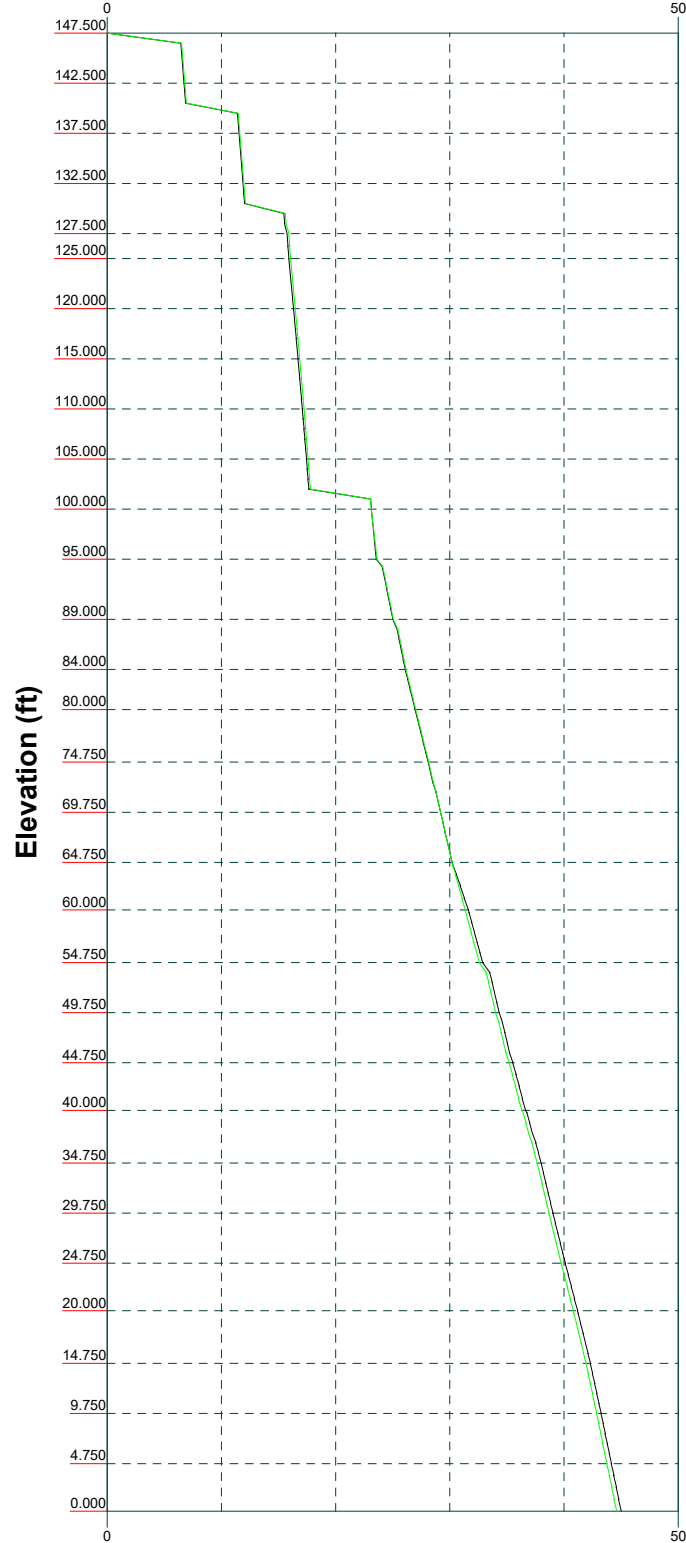
Vx

Vz

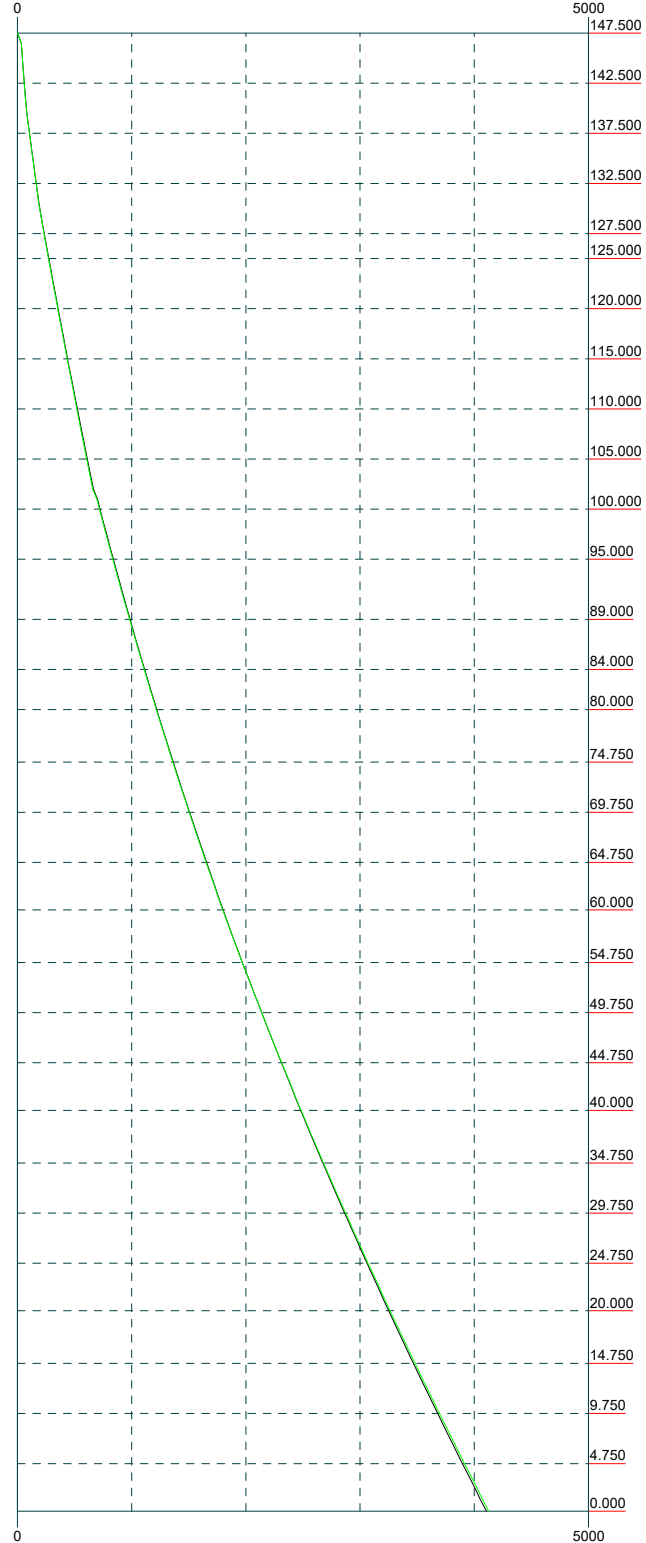
Mx

Mz

Global Mast Shear (K)



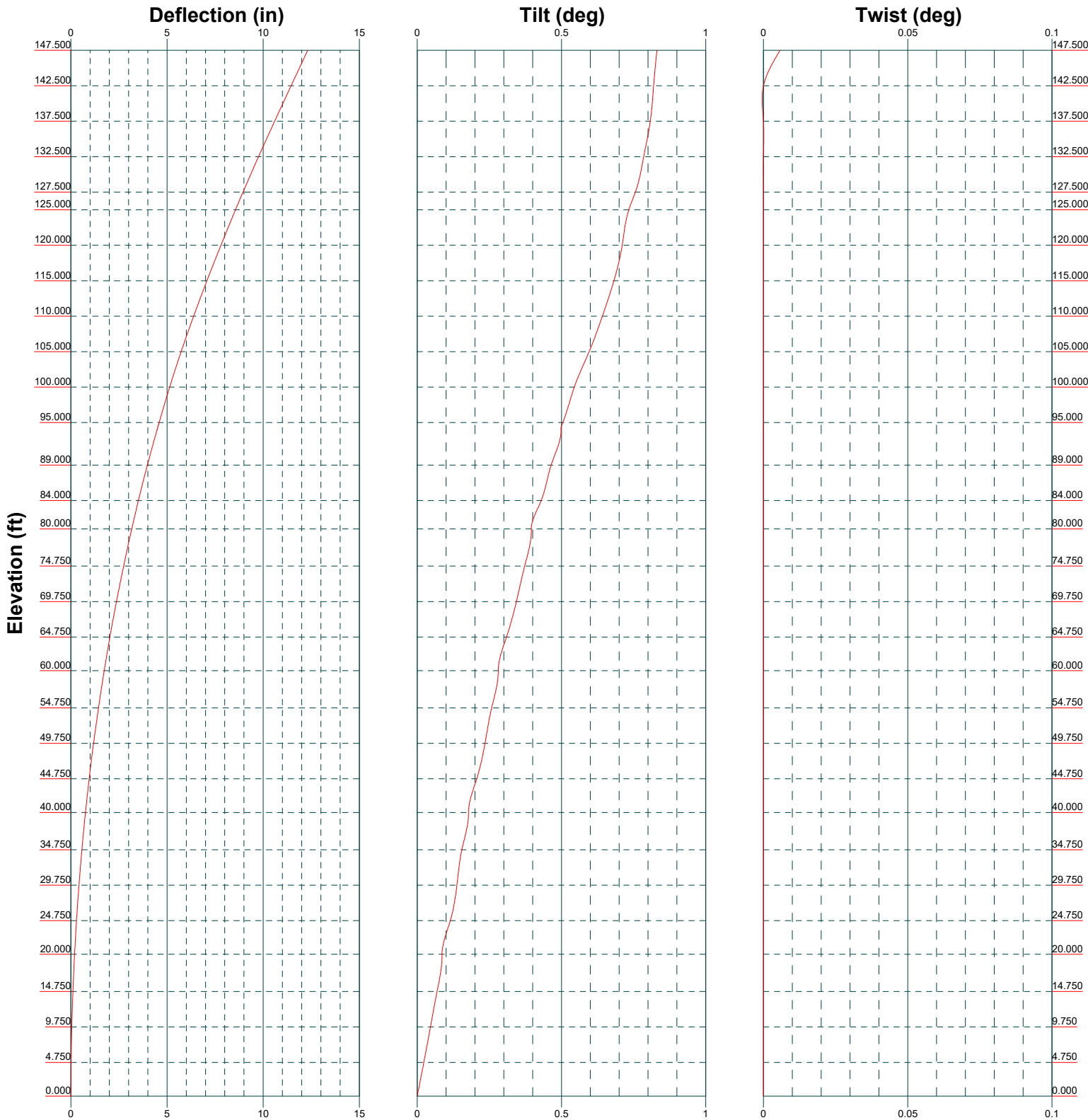
Global Mast Moment (kip-ft)



B+T Group

1717 S. Boulder, Suite 300
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Phone: (918) 587-4630
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Job: 140124.001.01 - Rocky Hill Rte 160_1, CT (BU# 827050)		
Project:		
Client: Crown Castle	Drawn by: Nithish Acharya	App'd:
Code: TIA-222-H	Date: 05/12/21	Scale: NTS
Path:	Dwg No. E-4	



0' - 147'6"

Ro

Fla

App In Face

App Out Face

Truss Leg



Project:

App'd: _____

Scale:

Scale: NTS

C:\Users\IND306\Desktop\SA\May 4\140124_827050_Rocky Hill Rte 160 1-----Nithish-----Raghu\140124_003_01_CC\pole\Modified.eri

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 587-4630	Job 140124.001.01 - Rocky Hill Rte 160_1, CT (BU# 827050)	Page 1 of 57
	Project	Date 18:34:49 05/12/21
	Client Crown Castle	Designed by Nithish Acharya

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

Tower base elevation above sea level: 97.000 ft.

Basic wind speed of 125 mph.

Risk Category II.

Exposure Category C.

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

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 2.000 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

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

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

TIA-222-H Annex S.

Tower Rating: 74.9%.

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

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

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

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

Maximum demand-capacity ratio is: 1.05.

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

Options

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

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	140124.001.01 - Rocky Hill Rte 160_1, CT (BU# 827050)	2 of 57
	Project	Date
	Client	18:34:49 05/12/21
	Crown Castle	Designed by
		Nithish Acharya

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	147.500-142.500	5.000	P24x0.375	A53-B-42 (42 ksi)	
L2	142.500-137.500	5.000	P24x0.375	A53-B-42 (42 ksi)	
L3	137.500-132.500	5.000	P24x0.375	A53-B-42 (42 ksi)	
L4	132.500-127.500	5.000	P24x0.375	A53-B-42 (42 ksi)	
L5	127.500-125.000	2.500	P24x0.375	A53-B-42 (42 ksi)	
L6	125.000-120.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L7	120.000-115.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L8	115.000-110.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L9	110.000-105.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L10	105.000-100.000	5.000	P30x0.375	A53-B-42 (42 ksi)	
L11	100.000-95.000	5.000	P36x0.375	A53-B-42 (42 ksi)	
L12	95.000-94.250	0.750	P36x0.375	A53-B-42 (42 ksi)	
L13	94.250-94.000	0.250	P36x0.49375	A53-B-42 (42 ksi)	
L14	94.000-89.000	5.000	P36x0.49375	A53-B-42 (42 ksi)	
L15	89.000-84.000	5.000	P36x0.49375	A53-B-42 (42 ksi)	
L16	84.000-80.000	4.000	P36x0.49375	A53-B-42 (42 ksi)	
L17	80.000-79.750	0.250	P42x0.575	A53-B-42 (42 ksi)	
L18	79.750-74.750	5.000	P42x0.575	A53-B-42 (42 ksi)	
L19	74.750-69.750	5.000	P42x0.575	A53-B-42 (42 ksi)	
L20	69.750-64.750	5.000	P42x0.575	A53-B-42 (42 ksi)	
L21	64.750-60.000	4.750	P42x0.575	A53-B-42 (42 ksi)	
L22	60.000-59.750	0.250	P48x0.6125	A53-B-42 (42 ksi)	
L23	59.750-54.750	5.000	P48x0.6125	A53-B-42 (42 ksi)	
L24	54.750-49.750	5.000	P48x0.6125	A53-B-42 (42 ksi)	
L25	49.750-44.750	5.000	P48x0.6125	A53-B-42 (42 ksi)	
L26	44.750-40.000	4.750	P48x0.6125	A53-B-42 (42 ksi)	
L27	40.000-39.750	0.250	P54x0.65	A53-B-42 (42 ksi)	
L28	39.750-34.750	5.000	P54x0.65	A53-B-42 (42 ksi)	
L29	34.750-29.750	5.000	P54x0.65	A53-B-42 (42 ksi)	

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 587-4630	Job	Page
	140124.001.01 - Rocky Hill Rte 160_1, CT (BU# 827050)	3 of 57
	Project	Date
	Client	Designed by
	Crown Castle	Nithish Acharya

Section	Elevation	Section Length	Pole Size	Pole Grade	Socket Length
	ft	ft			ft
L30	29.750-24.750	5.000	P54x0.65	A53-B-42 (42 ksi)	
L31	24.750-20.000	4.750	P54x0.65	A53-B-42 (42 ksi)	
L32	20.000-19.750	0.250	P60x0.625	A53-B-42 (42 ksi)	
L33	19.750-14.750	5.000	P60x0.625	A53-B-42 (42 ksi)	
L34	14.750-9.750	5.000	P60x0.625	A53-B-42 (42 ksi)	
L35	9.750-4.750	5.000	P60x0.625	A53-B-42 (42 ksi)	
L36	4.750-0.000	4.750	P60x0.625	A53-B-42 (42 ksi)	

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 147.500-142.500				1	1	1			
L2 142.500-137.500				1	1	1			
L3 137.500-132.500				1	1	1			
L4 132.500-127.500				1	1	1			
L5 127.500-125.000				1	1	1			
L6 125.000-120.000				1	1	1			
L7 120.000-115.000				1	1	1			
L8 115.000-110.000				1	1	1			
L9 110.000-105.000				1	1	1			
L10 105.000-100.000				1	1	1			
L11 100.000-95.000				1	1	1			
L12 95.000-94.250				1	1	0.979915			
L13 94.250-94.000				1	1	0.979915			

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	Crown Castle	Nithish Acharya

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
*										
2" Rigid Conduit	B	No	Surface Ar (CaAa)	102.000 - 0.000	2	2	0.250 0.300	2.000		0.003
LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	102.000 - 0.000	12	6	0.250 0.400	1.980		0.001
*										
LDF7-50A(1-5/8)	C	No	Surface Ar (CaAa)	95.000 - 0.000	6	6	-0.300 -0.100	1.980		0.001
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	26.958 - 14.042	1	1	0.000 0.030	8.500	19.500	0.036
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	26.958 - 14.042	1	1	0.000 0.030	8.500	19.500	0.036
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	26.958 - 14.042	1	1	0.000 0.030	8.500	19.500	0.036
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	26.958 - 14.042	1	1	0.000 0.030	8.500	19.500	0.036
*										
CCI 8.0" x 3.0" Plate	A	No	Surface Af (CaAa)	26.500 - 20.250	1	1	0.000 0.030	8.000	22.000	0.082
CCI 8.0" x 3.0" Plate	A	No	Surface Af (CaAa)	26.500 - 20.250	1	1	0.000 0.030	8.000	22.000	0.082
CCI 8.0" x 3.0" Plate	B	No	Surface Af (CaAa)	26.500 - 20.250	1	1	0.000 0.030	8.000	22.000	0.082
CCI 8.0" x 3.0" Plate	C	No	Surface Af (CaAa)	26.500 - 20.250	1	1	0.000 0.030	8.000	22.000	0.082
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	46.042 - 35.458	1	1	0.000 0.030	6.500	15.500	0.028
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	46.042 - 35.458	1	1	0.000 0.030	6.500	15.500	0.028
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	46.042 - 35.458	1	1	0.000 0.030	6.500	15.500	0.028
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	46.042 - 35.458	1	1	0.000 0.030	6.500	15.500	0.028
*										
CCI 6.0" x 3.0" Plate	A	No	Surface Af (CaAa)	45.500 - 40.250	1	1	0.000 0.030	6.000	18.000	0.061
CCI 6.0" x 3.0" Plate	A	No	Surface Af (CaAa)	45.500 - 40.250	1	1	0.000 0.030	6.000	18.000	0.061
CCI 6.0" x 3.0" Plate	B	No	Surface Af (CaAa)	45.500 - 40.250	1	1	0.000 0.030	6.000	18.000	0.061
CCI 6.0" x 3.0" Plate	C	No	Surface Af (CaAa)	45.500 - 40.250	1	1	0.000 0.030	6.000	18.000	0.061
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	66.042 - 55.458	1	1	0.000 0.030	6.500	15.500	0.028
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	66.042 - 55.458	1	1	0.000 0.030	6.500	15.500	0.028
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	66.042 - 55.458	1	1	0.000 0.030	6.500	15.500	0.028
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	66.042 - 55.458	1	1	0.000 0.030	6.500	15.500	0.028
*										
CCI 6.0" x 3.0" Plate	A	No	Surface Af (CaAa)	65.500 - 60.250	1	1	0.000 0.030	6.000	18.000	0.061
CCI 6.0" x 3.0" Plate	A	No	Surface Af (CaAa)	65.500 - 60.250	1	1	0.000 0.030	6.000	18.000	0.061
CCI 6.0" x 3.0" Plate	B	No	Surface Af (CaAa)	65.500 - 60.250	1	1	0.000 0.030	6.000	18.000	0.061

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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
CCI 6.0" x 3.0" Plate	C	No	Surface Af (CaAa)	65.500 - 60.250	1	1	0.000 0.030	6.000	18.000	0.061
*										
CCI 6.0" x 1.0" Plate	A	No	Surface Af (CaAa)	84.917 - 76.333	1	1	0.000 0.030	6.000	14.000	0.020
CCI 6.0" x 1.0" Plate	A	No	Surface Af (CaAa)	84.917 - 76.333	1	1	0.000 0.030	6.000	14.000	0.020
CCI 6.0" x 1.0" Plate	B	No	Surface Af (CaAa)	84.917 - 76.333	1	1	0.000 0.030	6.000	14.000	0.020
CCI 6.0" x 1.0" Plate	C	No	Surface Af (CaAa)	84.917 - 76.333	1	1	0.000 0.030	6.000	14.000	0.020
*										
CCI 5.0" x 3.0" Plate	A	No	Surface Af (CaAa)	84.500 - 80.250	1	1	0.000 0.030	5.000	16.000	0.051
CCI 5.0" x 3.0" Plate	A	No	Surface Af (CaAa)	84.500 - 80.250	1	1	0.000 0.030	5.000	16.000	0.051
CCI 5.0" x 3.0" Plate	B	No	Surface Af (CaAa)	84.500 - 80.250	1	1	0.000 0.030	5.000	16.000	0.051
CCI 5.0" x 3.0" Plate	C	No	Surface Af (CaAa)	84.500 - 80.250	1	1	0.000 0.030	5.000	16.000	0.051
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	19.750 - 0.000	1	1	0.050 0.100	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	19.750 - 0.000	1	1	0.050 0.100	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	19.750 - 0.000	1	1	0.050 0.100	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	19.750 - 0.000	1	1	0.050 0.100	8.500	19.500	0.000
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	39.750 - 20.250	1	1	0.050 0.100	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	39.750 - 20.250	1	1	0.050 0.100	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	39.750 - 20.250	1	1	0.050 0.100	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	39.750 - 20.250	1	1	0.050 0.100	8.500	19.500	0.000
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	59.750 - 40.250	1	1	0.050 0.100	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	59.750 - 40.250	1	1	0.050 0.100	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	59.750 - 40.250	1	1	0.050 0.100	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	59.750 - 40.250	1	1	0.050 0.100	6.500	15.500	0.000
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	79.750 - 60.250	1	1	0.050 0.100	6.000	14.000	0.000
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	79.750 - 60.250	1	1	0.050 0.100	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	79.750 - 60.250	1	1	0.050 0.100	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	79.750 - 60.250	1	1	0.050 0.100	6.000	14.000	0.000
*										
CCI 4" x 0.75" Plate	A	No	Surface Af (CaAa)	95.250 - 80.250	1	1	0.050 0.100	4.000	9.500	0.000
CCI 4" x 0.75" Plate	A	No	Surface Af	95.250 -	1	1	0.050	4.000	9.500	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)	80.250			0.100			
CCI 4" x 0.75" Plate	B	No	Surface Af	95.250 -	1	1	0.050	4.000	9.500	0.000
			(CaAa)	80.250			0.100			
CCI 4" x 0.75" Plate	C	No	Surface Af	95.250 -	1	1	0.050	4.000	9.500	0.000
			(CaAa)	80.250			0.100			
*										
4.75" x 1.25" Plate	A	No	Surface Af	64.750 -	1	1	0.000	4.750	12.000	0.020
			(CaAa)	57.500			0.030			
4.75" x 1.25" Plate	B	No	Surface Af	64.750 -	1	1	0.000	4.750	12.000	0.020
			(CaAa)	57.500			0.030			
4.75" x 1.25" Plate	C	No	Surface Af	64.750 -	1	1	0.000	4.750	12.000	0.020
			(CaAa)	57.500			0.030			
*										
4.75" x 3" Plate	A	No	Surface Af	64.750 -	1	1	0.000	4.750	15.500	0.048
			(CaAa)	60.250			0.030			
4.75" x 3" Plate	B	No	Surface Af	64.750 -	1	1	0.000	4.750	15.500	0.048
			(CaAa)	60.250			0.030			
4.75" x 3" Plate	C	No	Surface Af	64.750 -	1	1	0.000	4.750	15.500	0.048
			(CaAa)	60.250			0.030			
*										

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
FLC 158-50J(1-5/8)	B	No	No	Inside Pole	147.500 - 0.000	10	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
*									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	140.000 - 0.000	8	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
*									
MLC6C-06C-008R-008R(1-1/2)	C	No	No	Inside Pole	130.000 - 0.000	1	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
HB114-1-08U4-M5 F(1-1/4)	C	No	No	Inside Pole	130.000 - 0.000	3	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
WR-VG82ST-BRD A(5/8)	B	No	No	Inside Pole	102.000 - 0.000	8	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
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	89.000 - 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
*									
LCF78-50A(7/8)	B	No	No	Inside Pole	54.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000

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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	0.000
							2" Ice	0.000	0.000
*									
LCF78-50A(7/8)	B	No	No	Inside Pole	49.000 - 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
*									
LCF78-50A(7/8)	B	No	No	Inside Pole	45.000 - 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
*									
LCF78-50A(7/8)	B	No	No	Inside Pole	40.000 - 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
*									
LCF78-50A(7/8)	B	No	No	Inside Pole	37.000 - 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
*									

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	147.500-142.500	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.046
		C	0.000	0.000	3.857	0.000	0.011
L2	142.500-137.500	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.062
		C	0.000	0.000	3.857	0.000	0.011
L3	137.500-132.500	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.079
		C	0.000	0.000	3.857	0.000	0.011
L4	132.500-127.500	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.079
		C	0.000	0.000	3.857	0.000	0.024
L5	127.500-125.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.039
		C	0.000	0.000	1.929	0.000	0.019
L6	125.000-120.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.079
		C	0.000	0.000	3.857	0.000	0.038
L7	120.000-115.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.079
		C	0.000	0.000	3.857	0.000	0.038
L8	115.000-110.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.079
		C	0.000	0.000	3.857	0.000	0.038
L9	110.000-105.000	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	0.000	0.000	0.079
		C	0.000	0.000	3.857	0.000	0.038
L10	105.000-100.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.176	0.000	0.115
		C	0.000	0.000	3.857	0.000	0.038
L11	100.000-95.000	A	0.000	0.000	0.333	0.000	0.000
		B	0.000	0.000	8.107	0.000	0.168
		C	0.000	0.000	4.024	0.000	0.038
L12	95.000-94.250	A	0.000	0.000	1.000	0.000	0.000
		B	0.000	0.000	1.691	0.000	0.025
		C	0.000	0.000	1.970	0.000	0.009
L13	94.250-94.000	A	0.000	0.000	0.333	0.000	0.000
		B	0.000	0.000	0.564	0.000	0.008
		C	0.000	0.000	0.657	0.000	0.003
L14	94.000-89.000	A	0.000	0.000	6.667	0.000	0.000
		B	0.000	0.000	11.273	0.000	0.168
		C	0.000	0.000	13.130	0.000	0.062
L15	89.000-84.000	A	0.000	0.000	8.861	0.000	0.088
		B	0.000	0.000	12.371	0.000	0.213
		C	0.000	0.000	14.228	0.000	0.106
L16	84.000-80.000	A	0.000	0.000	16.481	0.000	0.546
		B	0.000	0.000	14.593	0.000	0.408
		C	0.000	0.000	16.078	0.000	0.323
L17	80.000-79.750	A	0.000	0.000	0.433	0.000	0.010
		B	0.000	0.000	0.613	0.000	0.014
		C	0.000	0.000	0.706	0.000	0.008
L18	79.750-74.750	A	0.000	0.000	15.914	0.000	0.139
		B	0.000	0.000	15.897	0.000	0.239
		C	0.000	0.000	17.754	0.000	0.132
L19	74.750-69.750	A	0.000	0.000	10.000	0.000	0.000
		B	0.000	0.000	12.940	0.000	0.169
		C	0.000	0.000	14.797	0.000	0.062
L20	69.750-64.750	A	0.000	0.000	13.637	0.000	0.163
		B	0.000	0.000	14.759	0.000	0.251
		C	0.000	0.000	16.616	0.000	0.144
L21	64.750-60.000	A	0.000	0.000	30.906	0.000	1.128
		B	0.000	0.000	25.972	0.000	0.882
		C	0.000	0.000	27.736	0.000	0.780
L22	60.000-59.750	A	0.000	0.000	0.663	0.000	0.019
		B	0.000	0.000	0.815	0.000	0.020
		C	0.000	0.000	0.908	0.000	0.015
L23	59.750-54.750	A	0.000	0.000	20.796	0.000	0.283
		B	0.000	0.000	19.120	0.000	0.333
		C	0.000	0.000	20.977	0.000	0.226
L24	54.750-49.750	A	0.000	0.000	10.833	0.000	0.000
		B	0.000	0.000	13.357	0.000	0.172
		C	0.000	0.000	15.214	0.000	0.062
L25	49.750-44.750	A	0.000	0.000	14.470	0.000	0.163
		B	0.000	0.000	15.175	0.000	0.256
		C	0.000	0.000	17.032	0.000	0.144
L26	44.750-40.000	A	0.000	0.000	25.703	0.000	0.814
		B	0.000	0.000	20.395	0.000	0.574
		C	0.000	0.000	22.159	0.000	0.466
L27	40.000-39.750	A	0.000	0.000	0.489	0.000	0.014
		B	0.000	0.000	0.642	0.000	0.016
		C	0.000	0.000	0.734	0.000	0.010
L28	39.750-34.750	A	0.000	0.000	22.564	0.000	0.237
		B	0.000	0.000	19.222	0.000	0.297
		C	0.000	0.000	21.079	0.000	0.181
L29	34.750-29.750	A	0.000	0.000	14.167	0.000	0.000
		B	0.000	0.000	15.023	0.000	0.179

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		Nithish Acharya

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
L30	29.750-24.750	C	0.000	0.000	16.880	0.000	0.062
		A	0.000	0.000	23.103	0.000	0.446
		B	0.000	0.000	19.491	0.000	0.402
L31	24.750-20.000	C	0.000	0.000	21.348	0.000	0.285
		A	0.000	0.000	33.403	0.000	1.079
		B	0.000	0.000	24.245	0.000	0.710
L32	20.000-19.750	C	0.000	0.000	26.009	0.000	0.598
		A	0.000	0.000	0.626	0.000	0.018
		B	0.000	0.000	0.710	0.000	0.018
L33	19.750-14.750	C	0.000	0.000	0.803	0.000	0.012
		A	0.000	0.000	26.690	0.000	0.362
		B	0.000	0.000	21.285	0.000	0.360
L34	14.750-9.750	C	0.000	0.000	23.142	0.000	0.243
		A	0.000	0.000	15.941	0.000	0.051
		B	0.000	0.000	15.910	0.000	0.205
L35	9.750-4.750	C	0.000	0.000	17.767	0.000	0.088
		A	0.000	0.000	14.167	0.000	0.000
		B	0.000	0.000	15.023	0.000	0.179
L36	4.750-0.000	C	0.000	0.000	16.880	0.000	0.062
		A	0.000	0.000	13.458	0.000	0.000
		B	0.000	0.000	14.272	0.000	0.170
		C	0.000	0.000	16.036	0.000	0.059

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	147.500-142.500	A	1.971	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.046
		C		0.000	0.000	7.285	0.000	0.101
L2	142.500-137.500	A	1.964	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.062
		C		0.000	0.000	7.277	0.000	0.101
L3	137.500-132.500	A	1.957	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.079
		C		0.000	0.000	7.268	0.000	0.100
L4	132.500-127.500	A	1.950	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.079
		C		0.000	0.000	7.259	0.000	0.114
L5	127.500-125.000	A	1.944	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.039
		C		0.000	0.000	3.626	0.000	0.063
L6	125.000-120.000	A	1.938	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.079
		C		0.000	0.000	7.244	0.000	0.126
L7	120.000-115.000	A	1.930	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.079
		C		0.000	0.000	7.234	0.000	0.126
L8	115.000-110.000	A	1.922	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.079
		C		0.000	0.000	7.224	0.000	0.126
L9	110.000-105.000	A	1.913	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.079
		C		0.000	0.000	7.213	0.000	0.125
L10	105.000-100.000	A	1.904	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	5.874	0.000	0.200
		C		0.000	0.000	7.201	0.000	0.125

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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
L11	100.000-95.000	A	1.895	0.000	0.000	0.517	0.000	0.006
		B		0.000	0.000	14.920	0.000	0.383
		C		0.000	0.000	7.448	0.000	0.127
L12	95.000-94.250	A	1.889	0.000	0.000	1.550	0.000	0.018
		B		0.000	0.000	2.972	0.000	0.066
		C		0.000	0.000	3.320	0.000	0.050
L13	94.250-94.000	A	1.888	0.000	0.000	0.517	0.000	0.006
		B		0.000	0.000	0.991	0.000	0.022
		C		0.000	0.000	1.107	0.000	0.017
L14	94.000-89.000	A	1.883	0.000	0.000	10.324	0.000	0.122
		B		0.000	0.000	19.793	0.000	0.439
		C		0.000	0.000	22.115	0.000	0.334
L15	89.000-84.000	A	1.872	0.000	0.000	13.073	0.000	0.254
		B		0.000	0.000	21.141	0.000	0.505
		C		0.000	0.000	23.463	0.000	0.399
L16	84.000-80.000	A	1.862	0.000	0.000	22.321	0.000	0.883
		B		0.000	0.000	22.824	0.000	0.743
		C		0.000	0.000	24.681	0.000	0.658
L17	80.000-79.750	A	1.857	0.000	0.000	0.532	0.000	0.018
		B		0.000	0.000	0.994	0.000	0.028
		C		0.000	0.000	1.110	0.000	0.022
L18	79.750-74.750	A	1.851	0.000	0.000	20.913	0.000	0.394
		B		0.000	0.000	25.009	0.000	0.572
		C		0.000	0.000	27.330	0.000	0.466
L19	74.750-69.750	A	1.839	0.000	0.000	13.633	0.000	0.150
		B		0.000	0.000	21.338	0.000	0.449
		C		0.000	0.000	23.659	0.000	0.342
L20	69.750-64.750	A	1.825	0.000	0.000	18.053	0.000	0.379
		B		0.000	0.000	23.515	0.000	0.562
		C		0.000	0.000	25.836	0.000	0.455
L21	64.750-60.000	A	1.812	0.000	0.000	39.598	0.000	1.702
		B		0.000	0.000	37.421	0.000	1.427
		C		0.000	0.000	39.626	0.000	1.326
L22	60.000-59.750	A	1.804	0.000	0.000	0.807	0.000	0.030
		B		0.000	0.000	1.236	0.000	0.038
		C		0.000	0.000	1.352	0.000	0.032
L23	59.750-54.750	A	1.796	0.000	0.000	26.342	0.000	0.602
		B		0.000	0.000	28.584	0.000	0.707
		C		0.000	0.000	30.906	0.000	0.600
L24	54.750-49.750	A	1.780	0.000	0.000	14.284	0.000	0.154
		B		0.000	0.000	21.517	0.000	0.447
		C		0.000	0.000	23.838	0.000	0.337
L25	49.750-44.750	A	1.762	0.000	0.000	18.668	0.000	0.380
		B		0.000	0.000	23.664	0.000	0.559
		C		0.000	0.000	25.986	0.000	0.448
L26	44.750-40.000	A	1.743	0.000	0.000	32.253	0.000	1.241
		B		0.000	0.000	29.695	0.000	0.971
		C		0.000	0.000	31.900	0.000	0.863
L27	40.000-39.750	A	1.732	0.000	0.000	0.581	0.000	0.021
		B		0.000	0.000	1.003	0.000	0.029
		C		0.000	0.000	1.120	0.000	0.023
L28	39.750-34.750	A	1.721	0.000	0.000	26.463	0.000	0.538
		B		0.000	0.000	27.458	0.000	0.638
		C		0.000	0.000	29.779	0.000	0.521
L29	34.750-29.750	A	1.696	0.000	0.000	16.470	0.000	0.171
		B		0.000	0.000	22.400	0.000	0.452
		C		0.000	0.000	24.722	0.000	0.335
L30	29.750-24.750	A	1.668	0.000	0.000	26.810	0.000	0.751
		B		0.000	0.000	27.499	0.000	0.739
		C		0.000	0.000	29.821	0.000	0.621
L31	24.750-20.000	A	1.635	0.000	0.000	38.709	0.000	1.542

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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	32.667	0.000	1.113
		C		0.000	0.000	34.872	0.000	1.001
L32	20.000-19.750	A	1.616	0.000	0.000	0.713	0.000	0.026
		B		0.000	0.000	1.055	0.000	0.031
		C		0.000	0.000	1.171	0.000	0.025
L33	19.750-14.750	A	1.593	0.000	0.000	30.677	0.000	0.678
		B		0.000	0.000	29.247	0.000	0.694
		C		0.000	0.000	31.568	0.000	0.576
L34	14.750-9.750	A	1.540	0.000	0.000	18.401	0.000	0.224
		B		0.000	0.000	22.975	0.000	0.461
		C		0.000	0.000	25.296	0.000	0.342
L35	9.750-4.750	A	1.461	0.000	0.000	16.314	0.000	0.142
		B		0.000	0.000	21.734	0.000	0.410
		C		0.000	0.000	24.055	0.000	0.292
L36	4.750-0.000	A	1.307	0.000	0.000	15.349	0.000	0.118
		B		0.000	0.000	20.207	0.000	0.365
		C		0.000	0.000	22.412	0.000	0.252

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	147.500-142.500	-2.760	4.062	-2.106	3.098
L2	142.500-137.500	-2.760	4.062	-2.105	3.098
L3	137.500-132.500	-2.760	4.062	-2.105	3.097
L4	132.500-127.500	-2.760	4.062	-2.104	3.096
L5	127.500-125.000	-2.760	4.062	-2.104	3.096
L6	125.000-120.000	-2.969	4.368	-2.320	3.414
L7	120.000-115.000	-2.969	4.368	-2.319	3.412
L8	115.000-110.000	-2.969	4.368	-2.318	3.411
L9	110.000-105.000	-2.969	4.368	-2.317	3.410
L10	105.000-100.000	1.302	3.894	0.946	2.912
L11	100.000-95.000	4.857	3.334	3.909	2.680
L12	95.000-94.250	2.842	3.280	2.569	2.846
L13	94.250-94.000	2.842	3.280	2.569	2.846
L14	94.000-89.000	2.842	3.280	2.569	2.846
L15	89.000-84.000	2.196	2.718	2.176	2.517
L16	84.000-80.000	0.106	0.837	0.655	1.253
L17	80.000-79.750	2.294	3.422	2.603	3.367
L18	79.750-74.750	0.825	1.366	1.470	1.919
L19	74.750-69.750	2.251	2.660	2.382	2.669
L20	69.750-64.750	1.186	1.664	1.785	2.181
L21	64.750-60.000	-0.343	0.303	0.254	0.822
L22	60.000-59.750	1.514	2.420	2.305	3.079
L23	59.750-54.750	0.372	0.987	1.141	1.675
L24	54.750-49.750	2.259	2.708	2.491	2.817
L25	49.750-44.750	1.348	1.957	1.857	2.302
L26	44.750-40.000	-0.537	0.320	0.265	1.021
L27	40.000-39.750	2.364	3.808	2.836	3.818
L28	39.750-34.750	0.034	0.666	1.066	1.656
L29	34.750-29.750	1.664	2.070	2.356	2.692
L30	29.750-24.750	-0.048	0.604	0.991	1.597
L31	24.750-20.000	-1.256	-0.307	-0.270	0.605
L32	20.000-19.750	1.699	3.336	2.505	3.639
L33	19.750-14.750	-0.494	0.309	0.616	1.362
L34	14.750-9.750	1.346	1.893	2.146	2.588

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Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L35	9.750-4.750	1.796	2.248	2.446	2.825
L36	4.750-0.000	1.796	2.248	2.402	2.785

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	1	AVA5-50(7/8)	142.50 - 147.50	1.0000	1.0000
L2	1	AVA5-50(7/8)	137.50 - 142.50	1.0000	1.0000
L3	1	AVA5-50(7/8)	132.50 - 137.50	1.0000	1.0000
L4	1	AVA5-50(7/8)	127.50 - 132.50	1.0000	1.0000
L5	1	AVA5-50(7/8)	125.00 - 127.50	1.0000	1.0000
L6	1	AVA5-50(7/8)	120.00 - 125.00	1.0000	1.0000
L7	1	AVA5-50(7/8)	115.00 - 120.00	1.0000	1.0000
L8	1	AVA5-50(7/8)	110.00 - 115.00	1.0000	1.0000
L9	1	AVA5-50(7/8)	105.00 - 110.00	1.0000	1.0000
L10	1	AVA5-50(7/8)	100.00 - 105.00	1.0000	1.0000
L10	16	2" Rigid Conduit	100.00 - 102.00	1.0000	1.0000
L10	17	LDF7-50A(1-5/8)	100.00 - 102.00	1.0000	1.0000
L11	1	AVA5-50(7/8)	95.00 - 100.00	1.0000	1.0000
L11	16	2" Rigid Conduit	95.00 - 100.00	1.0000	1.0000
L11	17	LDF7-50A(1-5/8)	95.00 - 100.00	1.0000	1.0000
L11	94	CCI 4" x 0.75" Plate	95.00 - 95.25	1.0000	1.0000
L11	95	CCI 4" x 0.75" Plate	95.00 - 95.25	1.0000	1.0000
L11	96	CCI 4" x 0.75" Plate	95.00 - 95.25	1.0000	1.0000
L11	97	CCI 4" x 0.75" Plate	95.00 - 95.25	1.0000	1.0000
L12	1	AVA5-50(7/8)	94.25 - 95.00	1.0000	1.0000
L12	16	2" Rigid Conduit	94.25 - 95.00	1.0000	1.0000
L12	17	LDF7-50A(1-5/8)	94.25 - 95.00	1.0000	1.0000
L12	20	LDF7-50A(1-5/8)	94.25 - 95.00	1.0000	1.0000
L12	94	CCI 4" x 0.75" Plate	94.25 - 95.00	1.0000	1.0000
L12	95	CCI 4" x 0.75" Plate	94.25 - 95.00	1.0000	1.0000
L12	96	CCI 4" x 0.75" Plate	94.25 - 95.00	1.0000	1.0000
L12	97	CCI 4" x 0.75" Plate	94.25 - 95.00	1.0000	1.0000
L13	1	AVA5-50(7/8)	94.00 - 94.25	1.0000	1.0000
L13	16	2" Rigid Conduit	94.00 - 94.25	1.0000	1.0000
L13	17	LDF7-50A(1-5/8)	94.00 - 94.25	1.0000	1.0000
L13	20	LDF7-50A(1-5/8)	94.00 - 94.25	1.0000	1.0000
L13	94	CCI 4" x 0.75" Plate	94.00 - 94.25	1.0000	1.0000
L13	95	CCI 4" x 0.75" Plate	94.00 - 94.25	1.0000	1.0000

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		Nithish Acharya

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L13	96	CCI 4" x 0.75" Plate	94.00 - 94.25	1.0000	1.0000
L13	97	CCI 4" x 0.75" Plate	94.00 - 94.25	1.0000	1.0000
L14	1	AVA5-50(7/8)	89.00 - 94.00	1.0000	1.0000
L14	16	2" Rigid Conduit	89.00 - 94.00	1.0000	1.0000
L14	17	LDF7-50A(1-5/8)	89.00 - 94.00	1.0000	1.0000
L14	20	LDF7-50A(1-5/8)	89.00 - 94.00	1.0000	1.0000
L14	94	CCI 4" x 0.75" Plate	89.00 - 94.00	1.0000	1.0000
L14	95	CCI 4" x 0.75" Plate	89.00 - 94.00	1.0000	1.0000
L14	96	CCI 4" x 0.75" Plate	89.00 - 94.00	1.0000	1.0000
L14	97	CCI 4" x 0.75" Plate	89.00 - 94.00	1.0000	1.0000
L15	1	AVA5-50(7/8)	84.00 - 89.00	1.0000	1.0000
L15	16	2" Rigid Conduit	84.00 - 89.00	1.0000	1.0000
L15	17	LDF7-50A(1-5/8)	84.00 - 89.00	1.0000	1.0000
L15	20	LDF7-50A(1-5/8)	84.00 - 89.00	1.0000	1.0000
L15	64	CCI 6.0" x 1.0" Plate	84.00 - 84.92	1.0000	1.0000
L15	65	CCI 6.0" x 1.0" Plate	84.00 - 84.92	1.0000	1.0000
L15	66	CCI 6.0" x 1.0" Plate	84.00 - 84.92	1.0000	1.0000
L15	67	CCI 6.0" x 1.0" Plate	84.00 - 84.92	1.0000	1.0000
L15	69	CCI 5.0" x 3.0" Plate	84.00 - 84.50	1.0000	1.0000
L15	70	CCI 5.0" x 3.0" Plate	84.00 - 84.50	1.0000	1.0000
L15	71	CCI 5.0" x 3.0" Plate	84.00 - 84.50	1.0000	1.0000
L15	72	CCI 5.0" x 3.0" Plate	84.00 - 84.50	1.0000	1.0000
L15	94	CCI 4" x 0.75" Plate	84.00 - 89.00	1.0000	1.0000
L15	95	CCI 4" x 0.75" Plate	84.00 - 89.00	1.0000	1.0000
L15	96	CCI 4" x 0.75" Plate	84.00 - 89.00	1.0000	1.0000
L15	97	CCI 4" x 0.75" Plate	84.00 - 89.00	1.0000	1.0000
L16	1	AVA5-50(7/8)	80.00 - 84.00	1.0000	1.0000
L16	16	2" Rigid Conduit	80.00 - 84.00	1.0000	1.0000
L16	17	LDF7-50A(1-5/8)	80.00 - 84.00	1.0000	1.0000
L16	20	LDF7-50A(1-5/8)	80.00 - 84.00	1.0000	1.0000
L16	64	CCI 6.0" x 1.0" Plate	80.00 - 84.00	1.0000	1.0000
L16	65	CCI 6.0" x 1.0" Plate	80.00 - 84.00	1.0000	1.0000
L16	66	CCI 6.0" x 1.0" Plate	80.00 - 84.00	1.0000	1.0000
L16	67	CCI 6.0" x 1.0" Plate	80.00 - 84.00	1.0000	1.0000
L16	69	CCI 5.0" x 3.0" Plate	80.25 - 84.00	1.0000	1.0000
L16	70	CCI 5.0" x 3.0" Plate	80.25 - 84.00	1.0000	1.0000
L16	71	CCI 5.0" x 3.0" Plate	80.25 - 84.00	1.0000	1.0000
L16	72	CCI 5.0" x 3.0" Plate	80.25 - 84.00	1.0000	1.0000
L16	94	CCI 4" x 0.75" Plate	80.25 - 84.00	1.0000	1.0000
L16	95	CCI 4" x 0.75" Plate	80.25 - 84.00	1.0000	1.0000
L16	96	CCI 4" x 0.75" Plate	80.25 - 84.00	1.0000	1.0000
L16	97	CCI 4" x 0.75" Plate	80.25 - 84.00	1.0000	1.0000
L17	1	AVA5-50(7/8)	79.75 - 80.00	1.0000	1.0000
L17	16	2" Rigid Conduit	79.75 - 80.00	1.0000	1.0000
L17	17	LDF7-50A(1-5/8)	79.75 - 80.00	1.0000	1.0000
L17	20	LDF7-50A(1-5/8)	79.75 - 80.00	1.0000	1.0000
L17	64	CCI 6.0" x 1.0" Plate	79.75 - 80.00	1.0000	1.0000
L17	65	CCI 6.0" x 1.0" Plate	79.75 - 80.00	1.0000	1.0000
L17	66	CCI 6.0" x 1.0" Plate	79.75 - 80.00	1.0000	1.0000
L17	67	CCI 6.0" x 1.0" Plate	79.75 - 80.00	1.0000	1.0000
L18	1	AVA5-50(7/8)	74.75 - 79.75	1.0000	1.0000
L18	16	2" Rigid Conduit	74.75 - 79.75	1.0000	1.0000
L18	17	LDF7-50A(1-5/8)	74.75 - 79.75	1.0000	1.0000
L18	20	LDF7-50A(1-5/8)	74.75 - 79.75	1.0000	1.0000
L18	64	CCI 6.0" x 1.0" Plate	76.33 - 79.75	1.0000	1.0000
L18	65	CCI 6.0" x 1.0" Plate	76.33 - 79.75	1.0000	1.0000
L18	66	CCI 6.0" x 1.0" Plate	76.33 - 79.75	1.0000	1.0000
L18	67	CCI 6.0" x 1.0" Plate	76.33 - 79.75	1.0000	1.0000
L18	89	CCI 6" x 1" Plate	74.75 - 79.75	1.0000	1.0000
L18	90	CCI 6" x 1" Plate	74.75 - 79.75	1.0000	1.0000
L18	91	CCI 6" x 1" Plate	74.75 - 79.75	1.0000	1.0000
L18	92	CCI 6" x 1" Plate	74.75 - 79.75	1.0000	1.0000

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	Crown Castle	Designed by
		Nithish Acharya

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L19	1	AVA5-50(7/8)	69.75 - 74.75	1.0000	1.0000
L19	16	2" Rigid Conduit	69.75 - 74.75	1.0000	1.0000
L19	17	LDF7-50A(1-5/8)	69.75 - 74.75	1.0000	1.0000
L19	20	LDF7-50A(1-5/8)	69.75 - 74.75	1.0000	1.0000
L19	89	CCI 6" x 1" Plate	69.75 - 74.75	1.0000	1.0000
L19	90	CCI 6" x 1" Plate	69.75 - 74.75	1.0000	1.0000
L19	91	CCI 6" x 1" Plate	69.75 - 74.75	1.0000	1.0000
L19	92	CCI 6" x 1" Plate	69.75 - 74.75	1.0000	1.0000
L20	1	AVA5-50(7/8)	64.75 - 69.75	1.0000	1.0000
L20	16	2" Rigid Conduit	64.75 - 69.75	1.0000	1.0000
L20	17	LDF7-50A(1-5/8)	64.75 - 69.75	1.0000	1.0000
L20	20	LDF7-50A(1-5/8)	64.75 - 69.75	1.0000	1.0000
L20	54	CCI 6.5" x 1.25" Plate	64.75 - 66.04	1.0000	1.0000
L20	55	CCI 6.5" x 1.25" Plate	64.75 - 66.04	1.0000	1.0000
L20	56	CCI 6.5" x 1.25" Plate	64.75 - 66.04	1.0000	1.0000
L20	57	CCI 6.5" x 1.25" Plate	64.75 - 66.04	1.0000	1.0000
L20	59	CCI 6.0" x 3.0" Plate	64.75 - 65.50	1.0000	1.0000
L20	60	CCI 6.0" x 3.0" Plate	64.75 - 65.50	1.0000	1.0000
L20	61	CCI 6.0" x 3.0" Plate	64.75 - 65.50	1.0000	1.0000
L20	62	CCI 6.0" x 3.0" Plate	64.75 - 65.50	1.0000	1.0000
L20	89	CCI 6" x 1" Plate	64.75 - 69.75	1.0000	1.0000
L20	90	CCI 6" x 1" Plate	64.75 - 69.75	1.0000	1.0000
L20	91	CCI 6" x 1" Plate	64.75 - 69.75	1.0000	1.0000
L20	92	CCI 6" x 1" Plate	64.75 - 69.75	1.0000	1.0000
L21	1	AVA5-50(7/8)	60.00 - 64.75	1.0000	1.0000
L21	16	2" Rigid Conduit	60.00 - 64.75	1.0000	1.0000
L21	17	LDF7-50A(1-5/8)	60.00 - 64.75	1.0000	1.0000
L21	20	LDF7-50A(1-5/8)	60.00 - 64.75	1.0000	1.0000
L21	54	CCI 6.5" x 1.25" Plate	60.00 - 64.75	1.0000	1.0000
L21	55	CCI 6.5" x 1.25" Plate	60.00 - 64.75	1.0000	1.0000
L21	56	CCI 6.5" x 1.25" Plate	60.00 - 64.75	1.0000	1.0000
L21	57	CCI 6.5" x 1.25" Plate	60.00 - 64.75	1.0000	1.0000
L21	59	CCI 6.0" x 3.0" Plate	60.25 - 64.75	1.0000	1.0000
L21	60	CCI 6.0" x 3.0" Plate	60.25 - 64.75	1.0000	1.0000
L21	61	CCI 6.0" x 3.0" Plate	60.25 - 64.75	1.0000	1.0000
L21	62	CCI 6.0" x 3.0" Plate	60.25 - 64.75	1.0000	1.0000
L21	89	CCI 6" x 1" Plate	60.25 - 64.75	1.0000	1.0000
L21	90	CCI 6" x 1" Plate	60.25 - 64.75	1.0000	1.0000
L21	91	CCI 6" x 1" Plate	60.25 - 64.75	1.0000	1.0000
L21	92	CCI 6" x 1" Plate	60.25 - 64.75	1.0000	1.0000
L21	99	4.75" x 1.25" Plate	60.00 - 64.75	1.0000	1.0000
L21	100	4.75" x 1.25" Plate	60.00 - 64.75	1.0000	1.0000
L21	101	4.75" x 1.25" Plate	60.00 - 64.75	1.0000	1.0000
L21	103	4.75" x 3" Plate	60.25 - 64.75	1.0000	1.0000
L21	104	4.75" x 3" Plate	60.25 - 64.75	1.0000	1.0000
L21	105	4.75" x 3" Plate	60.25 - 64.75	1.0000	1.0000
L22	1	AVA5-50(7/8)	59.75 - 60.00	1.0000	1.0000
L22	16	2" Rigid Conduit	59.75 - 60.00	1.0000	1.0000
L22	17	LDF7-50A(1-5/8)	59.75 - 60.00	1.0000	1.0000
L22	20	LDF7-50A(1-5/8)	59.75 - 60.00	1.0000	1.0000
L22	54	CCI 6.5" x 1.25" Plate	59.75 - 60.00	1.0000	1.0000
L22	55	CCI 6.5" x 1.25" Plate	59.75 - 60.00	1.0000	1.0000
L22	56	CCI 6.5" x 1.25" Plate	59.75 - 60.00	1.0000	1.0000
L22	57	CCI 6.5" x 1.25" Plate	59.75 - 60.00	1.0000	1.0000
L22	99	4.75" x 1.25" Plate	59.75 - 60.00	1.0000	1.0000
L22	100	4.75" x 1.25" Plate	59.75 - 60.00	1.0000	1.0000
L22	101	4.75" x 1.25" Plate	59.75 - 60.00	1.0000	1.0000
L23	1	AVA5-50(7/8)	54.75 - 59.75	1.0000	1.0000
L23	16	2" Rigid Conduit	54.75 - 59.75	1.0000	1.0000
L23	17	LDF7-50A(1-5/8)	54.75 - 59.75	1.0000	1.0000
L23	20	LDF7-50A(1-5/8)	54.75 - 59.75	1.0000	1.0000
L23	54	CCI 6.5" x 1.25" Plate	55.46 - 59.75	1.0000	1.0000

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	Crown Castle	Designed by
		Nithish Acharya

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L23	55	CCI 6.5" x 1.25" Plate	55.46 - 59.75	1.0000	1.0000
L23	56	CCI 6.5" x 1.25" Plate	55.46 - 59.75	1.0000	1.0000
L23	57	CCI 6.5" x 1.25" Plate	55.46 - 59.75	1.0000	1.0000
L23	84	CCI 6.5" x 1.25" Plate	54.75 - 59.75	1.0000	1.0000
L23	85	CCI 6.5" x 1.25" Plate	54.75 - 59.75	1.0000	1.0000
L23	86	CCI 6.5" x 1.25" Plate	54.75 - 59.75	1.0000	1.0000
L23	87	CCI 6.5" x 1.25" Plate	54.75 - 59.75	1.0000	1.0000
L23	99	4.75" x 1.25" Plate	57.50 - 59.75	1.0000	1.0000
L23	100	4.75" x 1.25" Plate	57.50 - 59.75	1.0000	1.0000
L23	101	4.75" x 1.25" Plate	57.50 - 59.75	1.0000	1.0000
L24	1	AVA5-50(7/8)	49.75 - 54.75	1.0000	1.0000
L24	16	2" Rigid Conduit	49.75 - 54.75	1.0000	1.0000
L24	17	LDF7-50A(1-5/8)	49.75 - 54.75	1.0000	1.0000
L24	20	LDF7-50A(1-5/8)	49.75 - 54.75	1.0000	1.0000
L24	84	CCI 6.5" x 1.25" Plate	49.75 - 54.75	1.0000	1.0000
L24	85	CCI 6.5" x 1.25" Plate	49.75 - 54.75	1.0000	1.0000
L24	86	CCI 6.5" x 1.25" Plate	49.75 - 54.75	1.0000	1.0000
L24	87	CCI 6.5" x 1.25" Plate	49.75 - 54.75	1.0000	1.0000
L25	1	AVA5-50(7/8)	44.75 - 49.75	1.0000	1.0000
L25	16	2" Rigid Conduit	44.75 - 49.75	1.0000	1.0000
L25	17	LDF7-50A(1-5/8)	44.75 - 49.75	1.0000	1.0000
L25	20	LDF7-50A(1-5/8)	44.75 - 49.75	1.0000	1.0000
L25	44	CCI 6.5" x 1.25" Plate	44.75 - 46.04	1.0000	1.0000
L25	45	CCI 6.5" x 1.25" Plate	44.75 - 46.04	1.0000	1.0000
L25	46	CCI 6.5" x 1.25" Plate	44.75 - 46.04	1.0000	1.0000
L25	47	CCI 6.5" x 1.25" Plate	44.75 - 46.04	1.0000	1.0000
L25	49	CCI 6.0" x 3.0" Plate	44.75 - 45.50	1.0000	1.0000
L25	50	CCI 6.0" x 3.0" Plate	44.75 - 45.50	1.0000	1.0000
L25	51	CCI 6.0" x 3.0" Plate	44.75 - 45.50	1.0000	1.0000
L25	52	CCI 6.0" x 3.0" Plate	44.75 - 45.50	1.0000	1.0000
L25	84	CCI 6.5" x 1.25" Plate	44.75 - 49.75	1.0000	1.0000
L25	85	CCI 6.5" x 1.25" Plate	44.75 - 49.75	1.0000	1.0000
L25	86	CCI 6.5" x 1.25" Plate	44.75 - 49.75	1.0000	1.0000
L25	87	CCI 6.5" x 1.25" Plate	44.75 - 49.75	1.0000	1.0000
L26	1	AVA5-50(7/8)	40.00 - 44.75	1.0000	1.0000
L26	16	2" Rigid Conduit	40.00 - 44.75	1.0000	1.0000
L26	17	LDF7-50A(1-5/8)	40.00 - 44.75	1.0000	1.0000
L26	20	LDF7-50A(1-5/8)	40.00 - 44.75	1.0000	1.0000
L26	44	CCI 6.5" x 1.25" Plate	40.00 - 44.75	1.0000	1.0000
L26	45	CCI 6.5" x 1.25" Plate	40.00 - 44.75	1.0000	1.0000
L26	46	CCI 6.5" x 1.25" Plate	40.00 - 44.75	1.0000	1.0000
L26	47	CCI 6.5" x 1.25" Plate	40.00 - 44.75	1.0000	1.0000
L26	49	CCI 6.0" x 3.0" Plate	40.25 - 44.75	1.0000	1.0000
L26	50	CCI 6.0" x 3.0" Plate	40.25 - 44.75	1.0000	1.0000
L26	51	CCI 6.0" x 3.0" Plate	40.25 - 44.75	1.0000	1.0000
L26	52	CCI 6.0" x 3.0" Plate	40.25 - 44.75	1.0000	1.0000
L26	84	CCI 6.5" x 1.25" Plate	40.25 - 44.75	1.0000	1.0000
L26	85	CCI 6.5" x 1.25" Plate	40.25 - 44.75	1.0000	1.0000
L26	86	CCI 6.5" x 1.25" Plate	40.25 - 44.75	1.0000	1.0000
L26	87	CCI 6.5" x 1.25" Plate	40.25 - 44.75	1.0000	1.0000
L27	1	AVA5-50(7/8)	39.75 - 40.00	1.0000	1.0000
L27	16	2" Rigid Conduit	39.75 - 40.00	1.0000	1.0000
L27	17	LDF7-50A(1-5/8)	39.75 - 40.00	1.0000	1.0000
L27	20	LDF7-50A(1-5/8)	39.75 - 40.00	1.0000	1.0000
L27	44	CCI 6.5" x 1.25" Plate	39.75 - 40.00	1.0000	1.0000
L27	45	CCI 6.5" x 1.25" Plate	39.75 - 40.00	1.0000	1.0000
L27	46	CCI 6.5" x 1.25" Plate	39.75 - 40.00	1.0000	1.0000
L27	47	CCI 6.5" x 1.25" Plate	39.75 - 40.00	1.0000	1.0000
L28	1	AVA5-50(7/8)	34.75 - 39.75	1.0000	1.0000
L28	16	2" Rigid Conduit	34.75 - 39.75	1.0000	1.0000
L28	17	LDF7-50A(1-5/8)	34.75 - 39.75	1.0000	1.0000
L28	20	LDF7-50A(1-5/8)	34.75 - 39.75	1.0000	1.0000

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	Project	Date
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	Crown Castle	Designed by
		Nithish Acharya

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L28	44	CCI 6.5" x 1.25" Plate	35.46 - 39.75	1.0000	1.0000
L28	45	CCI 6.5" x 1.25" Plate	35.46 - 39.75	1.0000	1.0000
L28	46	CCI 6.5" x 1.25" Plate	35.46 - 39.75	1.0000	1.0000
L28	47	CCI 6.5" x 1.25" Plate	35.46 - 39.75	1.0000	1.0000
L28	79	CCI 8.5" x 1.25" Plate	34.75 - 39.75	1.0000	1.0000
L28	80	CCI 8.5" x 1.25" Plate	34.75 - 39.75	1.0000	1.0000
L28	81	CCI 8.5" x 1.25" Plate	34.75 - 39.75	1.0000	1.0000
L28	82	CCI 8.5" x 1.25" Plate	34.75 - 39.75	1.0000	1.0000
L29	1	AVA5-50(7/8)	29.75 - 34.75	1.0000	1.0000
L29	16	2" Rigid Conduit	29.75 - 34.75	1.0000	1.0000
L29	17	LDF7-50A(1-5/8)	29.75 - 34.75	1.0000	1.0000
L29	20	LDF7-50A(1-5/8)	29.75 - 34.75	1.0000	1.0000
L29	79	CCI 8.5" x 1.25" Plate	29.75 - 34.75	1.0000	1.0000
L29	80	CCI 8.5" x 1.25" Plate	29.75 - 34.75	1.0000	1.0000
L29	81	CCI 8.5" x 1.25" Plate	29.75 - 34.75	1.0000	1.0000
L29	82	CCI 8.5" x 1.25" Plate	29.75 - 34.75	1.0000	1.0000
L30	1	AVA5-50(7/8)	24.75 - 29.75	1.0000	1.0000
L30	16	2" Rigid Conduit	24.75 - 29.75	1.0000	1.0000
L30	17	LDF7-50A(1-5/8)	24.75 - 29.75	1.0000	1.0000
L30	20	LDF7-50A(1-5/8)	24.75 - 29.75	1.0000	1.0000
L30	34	CCI 8.5" x 1.25" Plate	24.75 - 26.96	1.0000	1.0000
L30	35	CCI 8.5" x 1.25" Plate	24.75 - 26.96	1.0000	1.0000
L30	36	CCI 8.5" x 1.25" Plate	24.75 - 26.96	1.0000	1.0000
L30	37	CCI 8.5" x 1.25" Plate	24.75 - 26.96	1.0000	1.0000
L30	39	CCI 8.0" x 3.0" Plate	24.75 - 26.50	1.0000	1.0000
L30	40	CCI 8.0" x 3.0" Plate	24.75 - 26.50	1.0000	1.0000
L30	41	CCI 8.0" x 3.0" Plate	24.75 - 26.50	1.0000	1.0000
L30	42	CCI 8.0" x 3.0" Plate	24.75 - 26.50	1.0000	1.0000
L30	79	CCI 8.5" x 1.25" Plate	24.75 - 29.75	1.0000	1.0000
L30	80	CCI 8.5" x 1.25" Plate	24.75 - 29.75	1.0000	1.0000
L30	81	CCI 8.5" x 1.25" Plate	24.75 - 29.75	1.0000	1.0000
L30	82	CCI 8.5" x 1.25" Plate	24.75 - 29.75	1.0000	1.0000
L31	1	AVA5-50(7/8)	20.00 - 24.75	1.0000	1.0000
L31	16	2" Rigid Conduit	20.00 - 24.75	1.0000	1.0000
L31	17	LDF7-50A(1-5/8)	20.00 - 24.75	1.0000	1.0000
L31	20	LDF7-50A(1-5/8)	20.00 - 24.75	1.0000	1.0000
L31	34	CCI 8.5" x 1.25" Plate	20.00 - 24.75	1.0000	1.0000
L31	35	CCI 8.5" x 1.25" Plate	20.00 - 24.75	1.0000	1.0000
L31	36	CCI 8.5" x 1.25" Plate	20.00 - 24.75	1.0000	1.0000
L31	37	CCI 8.5" x 1.25" Plate	20.00 - 24.75	1.0000	1.0000
L31	39	CCI 8.0" x 3.0" Plate	20.25 - 24.75	1.0000	1.0000
L31	40	CCI 8.0" x 3.0" Plate	20.25 - 24.75	1.0000	1.0000
L31	41	CCI 8.0" x 3.0" Plate	20.25 - 24.75	1.0000	1.0000
L31	42	CCI 8.0" x 3.0" Plate	20.25 - 24.75	1.0000	1.0000
L31	79	CCI 8.5" x 1.25" Plate	20.25 - 24.75	1.0000	1.0000
L31	80	CCI 8.5" x 1.25" Plate	20.25 - 24.75	1.0000	1.0000
L31	81	CCI 8.5" x 1.25" Plate	20.25 - 24.75	1.0000	1.0000
L31	82	CCI 8.5" x 1.25" Plate	20.25 - 24.75	1.0000	1.0000
L32	1	AVA5-50(7/8)	19.75 - 20.00	1.0000	1.0000
L32	16	2" Rigid Conduit	19.75 - 20.00	1.0000	1.0000
L32	17	LDF7-50A(1-5/8)	19.75 - 20.00	1.0000	1.0000
L32	20	LDF7-50A(1-5/8)	19.75 - 20.00	1.0000	1.0000
L32	34	CCI 8.5" x 1.25" Plate	19.75 - 20.00	1.0000	1.0000
L32	35	CCI 8.5" x 1.25" Plate	19.75 - 20.00	1.0000	1.0000
L32	36	CCI 8.5" x 1.25" Plate	19.75 - 20.00	1.0000	1.0000
L32	37	CCI 8.5" x 1.25" Plate	19.75 - 20.00	1.0000	1.0000
L33	1	AVA5-50(7/8)	14.75 - 19.75	1.0000	1.0000
L33	16	2" Rigid Conduit	14.75 - 19.75	1.0000	1.0000
L33	17	LDF7-50A(1-5/8)	14.75 - 19.75	1.0000	1.0000
L33	20	LDF7-50A(1-5/8)	14.75 - 19.75	1.0000	1.0000
L33	34	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000
L33	35	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L33	36	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000
L33	37	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000
L33	74	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000
L33	75	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000
L33	76	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000
L33	77	CCI 8.5" x 1.25" Plate	14.75 - 19.75	1.0000	1.0000
L34	1	AVA5-50(7/8)	9.75 - 14.75	1.0000	1.0000
L34	16	2" Rigid Conduit	9.75 - 14.75	1.0000	1.0000
L34	17	LDF7-50A(1-5/8)	9.75 - 14.75	1.0000	1.0000
L34	20	LDF7-50A(1-5/8)	9.75 - 14.75	1.0000	1.0000
L34	34	CCI 8.5" x 1.25" Plate	14.04 - 14.75	1.0000	1.0000
L34	35	CCI 8.5" x 1.25" Plate	14.04 - 14.75	1.0000	1.0000
L34	36	CCI 8.5" x 1.25" Plate	14.04 - 14.75	1.0000	1.0000
L34	37	CCI 8.5" x 1.25" Plate	14.04 - 14.75	1.0000	1.0000
L34	74	CCI 8.5" x 1.25" Plate	9.75 - 14.75	1.0000	1.0000
L34	75	CCI 8.5" x 1.25" Plate	9.75 - 14.75	1.0000	1.0000
L34	76	CCI 8.5" x 1.25" Plate	9.75 - 14.75	1.0000	1.0000
L34	77	CCI 8.5" x 1.25" Plate	9.75 - 14.75	1.0000	1.0000
L35	1	AVA5-50(7/8)	4.75 - 9.75	1.0000	1.0000
L35	16	2" Rigid Conduit	4.75 - 9.75	1.0000	1.0000
L35	17	LDF7-50A(1-5/8)	4.75 - 9.75	1.0000	1.0000
L35	20	LDF7-50A(1-5/8)	4.75 - 9.75	1.0000	1.0000
L35	74	CCI 8.5" x 1.25" Plate	4.75 - 9.75	1.0000	1.0000
L35	75	CCI 8.5" x 1.25" Plate	4.75 - 9.75	1.0000	1.0000
L35	76	CCI 8.5" x 1.25" Plate	4.75 - 9.75	1.0000	1.0000
L35	77	CCI 8.5" x 1.25" Plate	4.75 - 9.75	1.0000	1.0000
L36	1	AVA5-50(7/8)	0.00 - 4.75	1.0000	1.0000
L36	16	2" Rigid Conduit	0.00 - 4.75	1.0000	1.0000
L36	17	LDF7-50A(1-5/8)	0.00 - 4.75	1.0000	1.0000
L36	20	LDF7-50A(1-5/8)	0.00 - 4.75	1.0000	1.0000
L36	74	CCI 8.5" x 1.25" Plate	0.00 - 4.75	1.0000	1.0000
L36	75	CCI 8.5" x 1.25" Plate	0.00 - 4.75	1.0000	1.0000
L36	76	CCI 8.5" x 1.25" Plate	0.00 - 4.75	1.0000	1.0000
L36	77	CCI 8.5" x 1.25" Plate	0.00 - 4.75	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
L11	94	CCI 4" x 0.75" Plate	95.00 - 95.25	Manual	1.0000
L11	95	CCI 4" x 0.75" Plate	95.00 - 95.25	Manual	1.0000
L11	96	CCI 4" x 0.75" Plate	95.00 - 95.25	Manual	1.0000
L11	97	CCI 4" x 0.75" Plate	95.00 - 95.25	Manual	1.0000
L12	94	CCI 4" x 0.75" Plate	94.25 - 95.00	Manual	1.0000
L12	95	CCI 4" x 0.75" Plate	94.25 - 95.00	Manual	1.0000
L12	96	CCI 4" x 0.75" Plate	94.25 - 95.00	Manual	1.0000
L12	97	CCI 4" x 0.75" Plate	94.25 - 95.00	Manual	1.0000
L13	94	CCI 4" x 0.75" Plate	94.00 - 94.25	Manual	1.0000
L13	95	CCI 4" x 0.75" Plate	94.00 - 94.25	Manual	1.0000
L13	96	CCI 4" x 0.75" Plate	94.00 - 94.25	Manual	1.0000
L13	97	CCI 4" x 0.75" Plate	94.00 - 94.25	Manual	1.0000
L14	94	CCI 4" x 0.75" Plate	89.00 - 94.00	Manual	1.0000
L14	95	CCI 4" x 0.75" Plate	89.00 - 94.00	Manual	1.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L14	96	CCI 4" x 0.75" Plate	89.00 - 94.00	Manual	1.0000
L14	97	CCI 4" x 0.75" Plate	89.00 - 94.00	Manual	1.0000
L15	64	CCI 6.0" x 1.0" Plate	84.00 - 84.92	Manual	1.0000
L15	65	CCI 6.0" x 1.0" Plate	84.00 - 84.92	Manual	1.0000
L15	66	CCI 6.0" x 1.0" Plate	84.00 - 84.92	Manual	1.0000
L15	67	CCI 6.0" x 1.0" Plate	84.00 - 84.92	Manual	1.0000
L15	69	CCI 5.0" x 3.0" Plate	84.00 - 84.50	Manual	1.0000
L15	70	CCI 5.0" x 3.0" Plate	84.00 - 84.50	Manual	1.0000
L15	71	CCI 5.0" x 3.0" Plate	84.00 - 84.50	Manual	1.0000
L15	72	CCI 5.0" x 3.0" Plate	84.00 - 84.50	Manual	1.0000
L15	94	CCI 4" x 0.75" Plate	84.00 - 89.00	Manual	1.0000
L15	95	CCI 4" x 0.75" Plate	84.00 - 89.00	Manual	1.0000
L15	96	CCI 4" x 0.75" Plate	84.00 - 89.00	Manual	1.0000
L15	97	CCI 4" x 0.75" Plate	84.00 - 89.00	Manual	1.0000
L16	64	CCI 6.0" x 1.0" Plate	80.00 - 84.00	Manual	1.0000
L16	65	CCI 6.0" x 1.0" Plate	80.00 - 84.00	Manual	1.0000
L16	66	CCI 6.0" x 1.0" Plate	80.00 - 84.00	Manual	1.0000
L16	67	CCI 6.0" x 1.0" Plate	80.00 - 84.00	Manual	1.0000
L16	69	CCI 5.0" x 3.0" Plate	80.25 - 84.00	Manual	1.0000
L16	70	CCI 5.0" x 3.0" Plate	80.25 - 84.00	Manual	1.0000
L16	71	CCI 5.0" x 3.0" Plate	80.25 - 84.00	Manual	1.0000
L16	72	CCI 5.0" x 3.0" Plate	80.25 - 84.00	Manual	1.0000
L16	94	CCI 4" x 0.75" Plate	80.25 - 84.00	Manual	1.0000
L16	95	CCI 4" x 0.75" Plate	80.25 - 84.00	Manual	1.0000
L16	96	CCI 4" x 0.75" Plate	80.25 - 84.00	Manual	1.0000
L16	97	CCI 4" x 0.75" Plate	80.25 - 84.00	Manual	1.0000
L17	64	CCI 6.0" x 1.0" Plate	79.75 - 80.00	Manual	1.0000
L17	65	CCI 6.0" x 1.0" Plate	79.75 - 80.00	Manual	1.0000
L17	66	CCI 6.0" x 1.0" Plate	79.75 - 80.00	Manual	1.0000
L17	67	CCI 6.0" x 1.0" Plate	79.75 - 80.00	Manual	1.0000
L18	64	CCI 6.0" x 1.0" Plate	76.33 - 79.75	Manual	1.0000
L18	65	CCI 6.0" x 1.0" Plate	76.33 - 79.75	Manual	1.0000
L18	66	CCI 6.0" x 1.0" Plate	76.33 - 79.75	Manual	1.0000
L18	67	CCI 6.0" x 1.0" Plate	76.33 - 79.75	Manual	1.0000
L18	89	CCI 6" x 1" Plate	74.75 - 79.75	Manual	1.0000
L18	90	CCI 6" x 1" Plate	74.75 - 79.75	Manual	1.0000
L18	91	CCI 6" x 1" Plate	74.75 - 79.75	Manual	1.0000
L18	92	CCI 6" x 1" Plate	74.75 - 79.75	Manual	1.0000
L19	89	CCI 6" x 1" Plate	69.75 - 74.75	Manual	1.0000
L19	90	CCI 6" x 1" Plate	69.75 - 74.75	Manual	1.0000
L19	91	CCI 6" x 1" Plate	69.75 - 74.75	Manual	1.0000
L19	92	CCI 6" x 1" Plate	69.75 - 74.75	Manual	1.0000
L20	54	CCI 6.5" x 1.25" Plate	64.75 - 66.04	Manual	1.0000
L20	55	CCI 6.5" x 1.25" Plate	64.75 - 66.04	Manual	1.0000
L20	56	CCI 6.5" x 1.25" Plate	64.75 - 66.04	Manual	1.0000
L20	57	CCI 6.5" x 1.25" Plate	64.75 - 66.04	Manual	1.0000
L20	59	CCI 6.0" x 3.0" Plate	64.75 - 65.50	Manual	1.0000
L20	60	CCI 6.0" x 3.0" Plate	64.75 - 65.50	Manual	1.0000
L20	61	CCI 6.0" x 3.0" Plate	64.75 - 65.50	Manual	1.0000
L20	62	CCI 6.0" x 3.0" Plate	64.75 - 65.50	Manual	1.0000
L20	89	CCI 6" x 1" Plate	64.75 - 69.75	Manual	1.0000
L20	90	CCI 6" x 1" Plate	64.75 - 69.75	Manual	1.0000
L20	91	CCI 6" x 1" Plate	64.75 - 69.75	Manual	1.0000
L20	92	CCI 6" x 1" Plate	64.75 - 69.75	Manual	1.0000
L21	54	CCI 6.5" x 1.25" Plate	60.00 - 64.75	Manual	1.0000
L21	55	CCI 6.5" x 1.25" Plate	60.00 - 64.75	Manual	1.0000
L21	56	CCI 6.5" x 1.25" Plate	60.00 - 64.75	Manual	1.0000
L21	57	CCI 6.5" x 1.25" Plate	60.00 - 64.75	Manual	1.0000
L21	59	CCI 6.0" x 3.0" Plate	60.25 - 64.75	Manual	1.0000
L21	60	CCI 6.0" x 3.0" Plate	60.25 - 64.75	Manual	1.0000
L21	61	CCI 6.0" x 3.0" Plate	60.25 - 64.75	Manual	1.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L21	62	CCI 6.0" x 3.0" Plate	60.25 - 64.75	Manual	1.0000
L21	89	CCI 6" x 1" Plate	60.25 - 64.75	Manual	1.0000
L21	90	CCI 6" x 1" Plate	60.25 - 64.75	Manual	1.0000
L21	91	CCI 6" x 1" Plate	60.25 - 64.75	Manual	1.0000
L21	92	CCI 6" x 1" Plate	60.25 - 64.75	Manual	1.0000
L21	99	4.75" x 1.25" Plate	60.00 - 64.75	Manual	1.0000
L21	100	4.75" x 1.25" Plate	60.00 - 64.75	Manual	1.0000
L21	101	4.75" x 1.25" Plate	60.00 - 64.75	Manual	1.0000
L21	103	4.75" x 3" Plate	60.25 - 64.75	Manual	1.0000
L21	104	4.75" x 3" Plate	60.25 - 64.75	Manual	1.0000
L21	105	4.75" x 3" Plate	60.25 - 64.75	Manual	1.0000
L22	54	CCI 6.5" x 1.25" Plate	59.75 - 60.00	Manual	1.0000
L22	55	CCI 6.5" x 1.25" Plate	59.75 - 60.00	Manual	1.0000
L22	56	CCI 6.5" x 1.25" Plate	59.75 - 60.00	Manual	1.0000
L22	57	CCI 6.5" x 1.25" Plate	59.75 - 60.00	Manual	1.0000
L22	99	4.75" x 1.25" Plate	59.75 - 60.00	Manual	1.0000
L22	100	4.75" x 1.25" Plate	59.75 - 60.00	Manual	1.0000
L22	101	4.75" x 1.25" Plate	59.75 - 60.00	Manual	1.0000
L23	54	CCI 6.5" x 1.25" Plate	55.46 - 59.75	Manual	1.0000
L23	55	CCI 6.5" x 1.25" Plate	55.46 - 59.75	Manual	1.0000
L23	56	CCI 6.5" x 1.25" Plate	55.46 - 59.75	Manual	1.0000
L23	57	CCI 6.5" x 1.25" Plate	55.46 - 59.75	Manual	1.0000
L23	84	CCI 6.5" x 1.25" Plate	54.75 - 59.75	Manual	1.0000
L23	85	CCI 6.5" x 1.25" Plate	54.75 - 59.75	Manual	1.0000
L23	86	CCI 6.5" x 1.25" Plate	54.75 - 59.75	Manual	1.0000
L23	87	CCI 6.5" x 1.25" Plate	54.75 - 59.75	Manual	1.0000
L23	99	4.75" x 1.25" Plate	57.50 - 59.75	Manual	1.0000
L23	100	4.75" x 1.25" Plate	57.50 - 59.75	Manual	1.0000
L23	101	4.75" x 1.25" Plate	57.50 - 59.75	Manual	1.0000
L24	84	CCI 6.5" x 1.25" Plate	49.75 - 54.75	Manual	1.0000
L24	85	CCI 6.5" x 1.25" Plate	49.75 - 54.75	Manual	1.0000
L24	86	CCI 6.5" x 1.25" Plate	49.75 - 54.75	Manual	1.0000
L24	87	CCI 6.5" x 1.25" Plate	49.75 - 54.75	Manual	1.0000
L25	44	CCI 6.5" x 1.25" Plate	44.75 - 46.04	Manual	1.0000
L25	45	CCI 6.5" x 1.25" Plate	44.75 - 46.04	Manual	1.0000
L25	46	CCI 6.5" x 1.25" Plate	44.75 - 46.04	Manual	1.0000
L25	47	CCI 6.5" x 1.25" Plate	44.75 - 46.04	Manual	1.0000
L25	49	CCI 6.0" x 3.0" Plate	44.75 - 45.50	Manual	1.0000
L25	50	CCI 6.0" x 3.0" Plate	44.75 - 45.50	Manual	1.0000
L25	51	CCI 6.0" x 3.0" Plate	44.75 - 45.50	Manual	1.0000
L25	52	CCI 6.0" x 3.0" Plate	44.75 - 45.50	Manual	1.0000
L25	84	CCI 6.5" x 1.25" Plate	44.75 - 49.75	Manual	1.0000
L25	85	CCI 6.5" x 1.25" Plate	44.75 - 49.75	Manual	1.0000
L25	86	CCI 6.5" x 1.25" Plate	44.75 - 49.75	Manual	1.0000
L25	87	CCI 6.5" x 1.25" Plate	44.75 - 49.75	Manual	1.0000
L26	44	CCI 6.5" x 1.25" Plate	40.00 - 44.75	Manual	1.0000
L26	45	CCI 6.5" x 1.25" Plate	40.00 - 44.75	Manual	1.0000
L26	46	CCI 6.5" x 1.25" Plate	40.00 - 44.75	Manual	1.0000
L26	47	CCI 6.5" x 1.25" Plate	40.00 - 44.75	Manual	1.0000
L26	49	CCI 6.0" x 3.0" Plate	40.25 - 44.75	Manual	1.0000
L26	50	CCI 6.0" x 3.0" Plate	40.25 - 44.75	Manual	1.0000
L26	51	CCI 6.0" x 3.0" Plate	40.25 - 44.75	Manual	1.0000
L26	52	CCI 6.0" x 3.0" Plate	40.25 - 44.75	Manual	1.0000
L26	84	CCI 6.5" x 1.25" Plate	40.25 - 44.75	Manual	1.0000
L26	85	CCI 6.5" x 1.25" Plate	40.25 - 44.75	Manual	1.0000
L26	86	CCI 6.5" x 1.25" Plate	40.25 - 44.75	Manual	1.0000
L26	87	CCI 6.5" x 1.25" Plate	40.25 - 44.75	Manual	1.0000
L27	44	CCI 6.5" x 1.25" Plate	39.75 - 40.00	Manual	1.0000
L27	45	CCI 6.5" x 1.25" Plate	39.75 - 40.00	Manual	1.0000
L27	46	CCI 6.5" x 1.25" Plate	39.75 - 40.00	Manual	1.0000
L27	47	CCI 6.5" x 1.25" Plate	39.75 - 40.00	Manual	1.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L28	44	CCI 6.5" x 1.25" Plate	35.46 - 39.75	Manual	1.0000
L28	45	CCI 6.5" x 1.25" Plate	35.46 - 39.75	Manual	1.0000
L28	46	CCI 6.5" x 1.25" Plate	35.46 - 39.75	Manual	1.0000
L28	47	CCI 6.5" x 1.25" Plate	35.46 - 39.75	Manual	1.0000
L28	79	CCI 8.5" x 1.25" Plate	34.75 - 39.75	Manual	1.0000
L28	80	CCI 8.5" x 1.25" Plate	34.75 - 39.75	Manual	1.0000
L28	81	CCI 8.5" x 1.25" Plate	34.75 - 39.75	Manual	1.0000
L28	82	CCI 8.5" x 1.25" Plate	34.75 - 39.75	Manual	1.0000
L29	79	CCI 8.5" x 1.25" Plate	29.75 - 34.75	Manual	1.0000
L29	80	CCI 8.5" x 1.25" Plate	29.75 - 34.75	Manual	1.0000
L29	81	CCI 8.5" x 1.25" Plate	29.75 - 34.75	Manual	1.0000
L29	82	CCI 8.5" x 1.25" Plate	29.75 - 34.75	Manual	1.0000
L30	34	CCI 8.5" x 1.25" Plate	24.75 - 26.96	Manual	1.0000
L30	35	CCI 8.5" x 1.25" Plate	24.75 - 26.96	Manual	1.0000
L30	36	CCI 8.5" x 1.25" Plate	24.75 - 26.96	Manual	1.0000
L30	37	CCI 8.5" x 1.25" Plate	24.75 - 26.96	Manual	1.0000
L30	39	CCI 8.0" x 3.0" Plate	24.75 - 26.50	Manual	1.0000
L30	40	CCI 8.0" x 3.0" Plate	24.75 - 26.50	Manual	1.0000
L30	41	CCI 8.0" x 3.0" Plate	24.75 - 26.50	Manual	1.0000
L30	42	CCI 8.0" x 3.0" Plate	24.75 - 26.50	Manual	1.0000
L30	79	CCI 8.5" x 1.25" Plate	24.75 - 29.75	Manual	1.0000
L30	80	CCI 8.5" x 1.25" Plate	24.75 - 29.75	Manual	1.0000
L30	81	CCI 8.5" x 1.25" Plate	24.75 - 29.75	Manual	1.0000
L30	82	CCI 8.5" x 1.25" Plate	24.75 - 29.75	Manual	1.0000
L31	34	CCI 8.5" x 1.25" Plate	20.00 - 24.75	Manual	1.0000
L31	35	CCI 8.5" x 1.25" Plate	20.00 - 24.75	Manual	1.0000
L31	36	CCI 8.5" x 1.25" Plate	20.00 - 24.75	Manual	1.0000
L31	37	CCI 8.5" x 1.25" Plate	20.00 - 24.75	Manual	1.0000
L31	39	CCI 8.0" x 3.0" Plate	20.25 - 24.75	Manual	1.0000
L31	40	CCI 8.0" x 3.0" Plate	20.25 - 24.75	Manual	1.0000
L31	41	CCI 8.0" x 3.0" Plate	20.25 - 24.75	Manual	1.0000
L31	42	CCI 8.0" x 3.0" Plate	20.25 - 24.75	Manual	1.0000
L31	79	CCI 8.5" x 1.25" Plate	20.25 - 24.75	Manual	1.0000
L31	80	CCI 8.5" x 1.25" Plate	20.25 - 24.75	Manual	1.0000
L31	81	CCI 8.5" x 1.25" Plate	20.25 - 24.75	Manual	1.0000
L31	82	CCI 8.5" x 1.25" Plate	20.25 - 24.75	Manual	1.0000
L32	34	CCI 8.5" x 1.25" Plate	19.75 - 20.00	Manual	1.0000
L32	35	CCI 8.5" x 1.25" Plate	19.75 - 20.00	Manual	1.0000
L32	36	CCI 8.5" x 1.25" Plate	19.75 - 20.00	Manual	1.0000
L32	37	CCI 8.5" x 1.25" Plate	19.75 - 20.00	Manual	1.0000
L33	34	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L33	35	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L33	36	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L33	37	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L33	74	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L33	75	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L33	76	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L33	77	CCI 8.5" x 1.25" Plate	14.75 - 19.75	Manual	1.0000
L34	34	CCI 8.5" x 1.25" Plate	14.04 - 14.75	Manual	1.0000
L34	35	CCI 8.5" x 1.25" Plate	14.04 - 14.75	Manual	1.0000
L34	36	CCI 8.5" x 1.25" Plate	14.04 - 14.75	Manual	1.0000
L34	37	CCI 8.5" x 1.25" Plate	14.04 - 14.75	Manual	1.0000
L34	74	CCI 8.5" x 1.25" Plate	9.75 - 14.75	Manual	1.0000
L34	75	CCI 8.5" x 1.25" Plate	9.75 - 14.75	Manual	1.0000
L34	76	CCI 8.5" x 1.25" Plate	9.75 - 14.75	Manual	1.0000
L34	77	CCI 8.5" x 1.25" Plate	9.75 - 14.75	Manual	1.0000
L35	74	CCI 8.5" x 1.25" Plate	4.75 - 9.75	Manual	1.0000
L35	75	CCI 8.5" x 1.25" Plate	4.75 - 9.75	Manual	1.0000
L35	76	CCI 8.5" x 1.25" Plate	4.75 - 9.75	Manual	1.0000
L35	77	CCI 8.5" x 1.25" Plate	4.75 - 9.75	Manual	1.0000
L36	74	CCI 8.5" x 1.25" Plate	0.00 - 4.75	Manual	1.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L36	75	CCI 8.5" x 1.25" Plate	0.00 - 4.75	Manual	1.0000
L36	76	CCI 8.5" x 1.25" Plate	0.00 - 4.75	Manual	1.0000
L36	77	CCI 8.5" x 1.25" Plate	0.00 - 4.75	Manual	1.0000

Discrete Tower Loads

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
Lightning Rod 5/8" x 4'	A	From Leg	2.000	0.000	149.500	No Ice	0.250	0.250	0.031
			0.000			1/2" Ice	0.664	0.664	0.034
			0.000			1" Ice	0.973	0.973	0.039
						2" Ice	1.494	1.494	0.059
Lightning Rod 5/8" x 4'	B	From Leg	4.000	0.000	149.500	No Ice	0.250	0.250	0.031
			0.000			1/2" Ice	0.664	0.664	0.034
			0.000			1" Ice	0.973	0.973	0.039
						2" Ice	1.494	1.494	0.059
Lightning Rod 5/8" x 4'	C	From Leg	2.000	0.000	149.500	No Ice	0.250	0.250	0.031
			0.000			1/2" Ice	0.664	0.664	0.034
			0.000			1" Ice	0.973	0.973	0.039
						2" Ice	1.494	1.494	0.059
4' x 2" Pipe Mount	A	From Leg	2.000	0.000	147.500	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
4' x 2" Pipe Mount	C	From Leg	2.000	0.000	147.500	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
*									
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.000	0.000	150.000	No Ice	3.760	3.150	0.194
			0.000			1/2" Ice	4.120	3.490	0.252
			0.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.000	0.000	150.000	No Ice	3.760	3.150	0.194
			0.000			1/2" Ice	4.120	3.490	0.252
			0.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.000	0.000	150.000	No Ice	3.760	3.150	0.194
			0.000			1/2" Ice	4.120	3.490	0.252
			0.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000	0.000	150.000	No Ice	5.190	2.710	0.128
			0.000			1/2" Ice	5.590	3.040	0.174
			0.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000	0.000	150.000	No Ice	5.190	2.710	0.128
			0.000			1/2" Ice	5.590	3.040	0.174
			0.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354

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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
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
SDX1926Q-43	A	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
SDX1926Q-43	B	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
SDX1926Q-43	C	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
KRY 112 144/1	A	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
KRY 112 144/1	B	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
KRY 112 144/1	C	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.350 0.426 0.509 0.698	0.175 0.234 0.301 0.456	0.011 0.014 0.019 0.032
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RRUS 4415 B25	A	From Leg	4.000 0.000 0.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	0.679 0.791 0.913 1.183	0.044 0.056 0.071 0.109
RRUS 4415 B25	B	From Leg	4.000	0.000	150.000	No Ice	1.644	0.679	0.044

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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	1.804	0.791	0.056
			0.000			1" Ice	1.972	0.913	0.071
						2" Ice	2.329	1.183	0.109
RRUS 4415 B25	C	From Leg	4.000	0.000	150.000	No Ice	1.644	0.679	0.044
			0.000			1/2" Ice	1.804	0.791	0.056
			0.000			1" Ice	1.972	0.913	0.071
						2" Ice	2.329	1.183	0.109
Platform Mount [LP 405-1_HR-1]	C	None		0.000	150.000	No Ice	25.330	25.330	2.056
						1/2" Ice	33.790	33.790	2.634
						1" Ice	42.160	42.160	3.360
						2" Ice	58.770	58.770	5.254
*									
201-1N	A	From Leg	4.000	0.000	150.000	No Ice	1.489	1.489	0.006
			0.000			1/2" Ice	2.408	2.408	0.018
			4.000			1" Ice	3.344	3.344	0.036
						2" Ice	4.751	4.751	0.089
DS4C06F36D-D	B	From Leg	4.000	0.000	150.000	No Ice	5.820	5.820	0.050
			0.000			1/2" Ice	7.793	7.793	0.092
			17.000			1" Ice	9.783	9.783	0.146
						2" Ice	13.813	13.813	0.292
DS4C06F36D-D	C	From Leg	4.000	0.000	150.000	No Ice	5.820	5.820	0.050
			0.000			1/2" Ice	7.793	7.793	0.092
			17.000			1" Ice	9.783	9.783	0.146
						2" Ice	13.813	13.813	0.292
4' x 2" Pipe Mount	A	From Leg	4.000	0.000	150.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
4' x 2" Pipe Mount	B	From Leg	4.000	0.000	150.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
4' x 2" Pipe Mount	C	From Leg	4.000	0.000	150.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
*									
(2) NNHH-65B-R4 w/ Mount Pipe	A	From Leg	4.000	0.000	140.000	No Ice	7.550	4.230	0.110
			0.000			1/2" Ice	8.040	4.670	0.197
			0.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
(2) NNHH-65B-R4 w/ Mount Pipe	B	From Leg	4.000	0.000	140.000	No Ice	7.550	4.230	0.110
			0.000			1/2" Ice	8.040	4.670	0.197
			0.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
(2) NNHH-65B-R4 w/ Mount Pipe	C	From Leg	4.000	0.000	140.000	No Ice	7.550	4.230	0.110
			0.000			1/2" Ice	8.040	4.670	0.197
			0.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
CBRS w/ Mount Pipe	A	From Leg	4.000	0.000	140.000	No Ice	1.450	0.990	0.032
			0.000			1/2" Ice	1.670	1.180	0.048
			0.000			1" Ice	1.900	1.390	0.068
						2" Ice	2.420	1.850	0.123
CBRS w/ Mount Pipe	B	From Leg	4.000	0.000	140.000	No Ice	1.450	0.990	0.032
			0.000			1/2" Ice	1.670	1.180	0.048
			0.000			1" Ice	1.900	1.390	0.068
						2" Ice	2.420	1.850	0.123

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
CBRS w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.450 1.670 1.900 2.420	0.990 1.180 1.390 1.850	0.032 0.048 0.068 0.123
(2) RFV01U-D2A	A	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RFV01U-D2A	B	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RFV01U-D1A	B	From Leg	4.000 0.000 0.000	0.000	140.000	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
(2) RFV01U-D1A	C	From Leg	4.000 0.000 0.000	0.000	140.000	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
RVZDC-6627-PF-48	A	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.792 4.044 4.303 4.844	2.514 2.727 2.947 3.417	0.032 0.063 0.099 0.181
DB-T1-6Z-8AB-0Z	B	From Leg	4.000 0.000 0.000	0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.800 5.070 5.348 5.926	2.000 2.193 2.393 2.815	0.044 0.080 0.120 0.213
MT6407-77A w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	140.000	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
MT6407-77A w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	140.000	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
MT6407-77A w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	140.000	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
Platform Mount [LP 303-1_KCKR]	C	None		0.000	140.000	No Ice 1/2" Ice 1" Ice 2" Ice	25.910 32.230 38.730 52.330	25.910 32.230 38.730 52.330	1.525 1.986 2.540 3.937
*									
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.550 8.040 8.530 9.560	4.230 4.670 5.120 6.050	0.110 0.197 0.296 0.529
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.550 8.040 8.530 9.560	4.230 4.670 5.120 6.050	0.110 0.197 0.296 0.529
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.550 8.040 8.530 9.560	4.230 4.670 5.120 6.050	0.110 0.197 0.296 0.529

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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
AAHC w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.409 4.727 5.055 5.743	2.691 3.079 3.486 4.359	0.115 0.156 0.202 0.310
AAHC w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.409 4.727 5.055 5.743	2.691 3.079 3.486 4.359	0.115 0.156 0.202 0.310
AAHC w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.409 4.727 5.055 5.743	2.691 3.079 3.486 4.359	0.115 0.156 0.202 0.310
(2) RRH2X50-800	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.701 1.864 2.035 2.398	1.282 1.428 1.580 1.908	0.053 0.070 0.090 0.138
(2) RRH2X50-800	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.701 1.864 2.035 2.398	1.282 1.428 1.580 1.908	0.053 0.070 0.090 0.138
(2) RRH2X50-800	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.701 1.864 2.035 2.398	1.282 1.428 1.580 1.908	0.053 0.070 0.090 0.138
PCS 1900MHz 4x45W-65MHz	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.322 2.527 2.739 3.185	2.238 2.441 2.651 3.093	0.060 0.083 0.110 0.173
PCS 1900MHz 4x45W-65MHz	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.322 2.527 2.739 3.185	2.238 2.441 2.651 3.093	0.060 0.083 0.110 0.173
PCS 1900MHz 4x45W-65MHz	C	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.322 2.527 2.739 3.185	2.238 2.441 2.651 3.093	0.060 0.083 0.110 0.173
(2) 4' x 2" Pipe Mount	A	From Leg	4.000 0.000 0.000	0.000	130.000	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
(2) 4' x 2" Pipe Mount	B	From Leg	4.000 0.000 0.000	0.000	130.000	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
(2) 4' x 2" Pipe Mount	C	From Leg	4.000 0.000 0.000	0.000	130.000	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
Platform Mount [LP 405-1]	C	None		0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	20.880 28.890 37.040 53.730	20.880 28.890 37.040 53.730	1.800 2.277 2.868 4.394
* Ice Shields	C	From Leg	0.500 0.000 0.000	0.000	128.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.700 2.904 3.115 3.559	3.600 3.837 4.081 4.593	0.020 0.060 0.105 0.207

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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
* *									
7750.00 w/ Mount Pipe	A	From Leg	4.000 0.000 3.000	0.000	102.000	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
7750.00 w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	102.000	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
7750.00 w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	102.000	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
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.220 9.980 10.760 12.360	6.250 6.960 7.700 9.220	0.074 0.143 0.224 0.420
HPA-65R-BUU-H8 w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.190 14.160 16.140	8.330 9.230 10.150 12.050	0.105 0.194 0.297 0.543
HPA-65R-BUU-H8 w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.190 14.160 16.140	8.330 9.230 10.150 12.050	0.105 0.194 0.297 0.543
QS66512-2 w/ Mount Pipe	A	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.040 4.420 4.820 5.630	4.180 4.570 4.970 5.790	0.137 0.206 0.287 0.482
TPA-65R-LCUUUU-H8 w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.850 12.770 13.710 15.640	8.990 9.880 10.790 12.660	0.115 0.210 0.319 0.580
TPA-65R-LCUUUU-H8 w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.850 12.770 13.710 15.640	8.990 9.880 10.790 12.660	0.115 0.210 0.319 0.580
(2) LGP21401	A	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	B	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	C	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21903	A	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.231 0.294 0.365 0.528	0.158 0.213 0.276 0.423	0.011 0.013 0.017 0.028
(2) LGP21903	B	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice	0.231 0.294 0.365	0.158 0.213 0.276	0.011 0.013 0.017

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	Client	Designed by
	Crown Castle	Nithish Acharya

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) LGP21903	C	From Leg	4.000 0.000 3.000	0.000	102.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	0.528 0.231 0.294 0.365 0.528	0.423 0.158 0.213 0.276 0.423	0.028 0.011 0.013 0.017 0.028
RRUS 11	A	From Leg	2.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 11	B	From Leg	2.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 11	C	From Leg	2.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 32 B2	A	From Leg	2.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.731 2.953 3.182 3.663	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 32 B2	B	From Leg	2.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.731 2.953 3.182 3.663	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 32 B2	C	From Leg	2.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.731 2.953 3.182 3.663	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 32	A	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.857 3.083 3.316 3.805	1.777 1.968 2.166 2.583	0.055 0.077 0.103 0.165
RRUS 32	B	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.857 3.083 3.316 3.805	1.777 1.968 2.166 2.583	0.055 0.077 0.103 0.165
RRUS 32	C	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.857 3.083 3.316 3.805	1.777 1.968 2.166 2.583	0.055 0.077 0.103 0.165
RRUS 32 B66	A	From Leg	4.000 0.000 3.000	0.000	102.000	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 3.000	0.000	102.000	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 3.000	0.000	102.000	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
DC6-48-60-18-8F	A	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.917 1.458 1.643 2.042	0.917 1.458 1.643 2.042	0.019 0.037 0.057 0.105

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	Client Crown Castle		Designed by Nithish Acharya

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
DC6-48-60-18-8F	B	From Leg	4.000 0.000 3.000	0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.917 1.458 1.643 2.042	0.917 1.458 1.643 2.042	0.019 0.037 0.057 0.105
4' x 2" Pipe Mount	A	From Leg	2.000 0.000 0.000	0.000	102.000	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	2.000 0.000 0.000	0.000	102.000	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	2.000 0.000 0.000	0.000	102.000	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
Side Arm Mount [SO 102-3]	C	None		0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
Platform Mount [LP 303-1]	C	None		0.000	102.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 18.010 21.340 28.080	14.690 18.010 21.340 28.080	1.250 1.569 1.942 2.852
*									
APXV18-206516S-C	A	From Leg	1.000 0.000 0.000	0.000	95.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.560 3.000 3.460 4.410	1.210 1.630 2.050 2.960	0.019 0.039 0.063 0.126
APXV18-206516S-C	B	From Leg	1.000 0.000 0.000	0.000	95.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.560 3.000 3.460 4.410	1.210 1.630 2.050 2.960	0.019 0.039 0.063 0.126
APXV18-206516S-C	C	From Leg	1.000 0.000 0.000	0.000	95.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.560 3.000 3.460 4.410	1.210 1.630 2.050 2.960	0.019 0.039 0.063 0.126
Pipe Mount [PM 601-3]	C	None		0.000	95.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.170 3.790 4.420 5.760	3.170 3.790 4.420 5.760	0.195 0.232 0.279 0.401
*									
1142-2C	C	From Leg	3.000 0.000 6.000	0.000	89.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.092 3.374 4.673 7.320	2.092 3.374 4.673 7.320	0.024 0.041 0.066 0.140
4' x 2" Pipe Mount	C	From Leg	3.000 0.000 0.000	0.000	89.000	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
Side Arm Mount [SO 701-1]	C	From Leg	3.000 0.000 0.000	0.000	89.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.850 1.140 1.430 2.010	1.670 2.340 3.010 4.350	0.065 0.079 0.093 0.121
*									
GPS_A	A	From Leg	1.500 0.000	0.000	72.000	No Ice 1/2" Ice	0.255 0.320	0.255 0.320	0.001 0.005

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	Crown Castle		Nithish Acharya

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft²	C _A A _A Side ft²	Weight K
			2.000			1" Ice	0.393	0.393	0.010
Side Arm Mount [SO 701-1]	A	From Leg	1.500	0.000	72.000	2" Ice	0.561	0.561	0.025
			0.000			No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
						1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
*									
201-1N	A	From Leg	3.000	0.000	54.000	No Ice	1.489	1.489	0.006
			0.000			1/2" Ice	2.408	2.408	0.018
			7.000			1" Ice	3.344	3.344	0.036
220-8N	C	From Leg	2" Ice	0.000	54.000	4.751	4.751	0.089	
			No Ice			5.179	5.179	0.021	
			1/2" Ice			7.094	7.094	0.059	
			1" Ice			9.025	9.025	0.108	
			10.000			2" Ice	12.938	12.938	0.244
Side Arm Mount [SO 701-1]	A	From Leg	3.000	0.000	54.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
Side Arm Mount [SO 701-1]	C	From Leg	3.000	0.000	54.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
*									
DB436-C	A	From Leg	4.000	0.000	49.000	No Ice	0.450	0.450	0.007
			0.000			1/2" Ice	0.810	0.810	0.009
			0.000			1" Ice	1.170	1.170	0.011
						2" Ice	1.890	1.890	0.015
Yagi Mount	A	From Leg	0.500	0.000	49.000	No Ice	1.320	1.320	0.065
			0.000			1/2" Ice	1.580	1.580	0.077
			0.000			1" Ice	1.840	1.840	0.093
						2" Ice	2.400	2.400	0.134
*									
DB436-C	A	From Leg	4.000	0.000	45.000	No Ice	0.450	0.450	0.007
			0.000			1/2" Ice	0.810	0.810	0.009
			0.000			1" Ice	1.170	1.170	0.011
						2" Ice	1.890	1.890	0.015
Yagi Mount	A	From Leg	0.500	0.000	45.000	No Ice	1.320	1.320	0.065
			0.000			1/2" Ice	1.580	1.580	0.077
			0.000			1" Ice	1.840	1.840	0.093
						2" Ice	2.400	2.400	0.134
*									
DB436-C	A	From Leg	4.000	0.000	40.000	No Ice	0.450	0.450	0.007
			0.000			1/2" Ice	0.810	0.810	0.009
			0.000			1" Ice	1.170	1.170	0.011
						2" Ice	1.890	1.890	0.015
Yagi Mount	A	From Leg	0.500	0.000	40.000	No Ice	1.320	1.320	0.065
			0.000			1/2" Ice	1.580	1.580	0.077
			0.000			1" Ice	1.840	1.840	0.093
						2" Ice	2.400	2.400	0.134
*									
DB436-C	A	From Leg	4.000	0.000	37.000	No Ice	0.450	0.450	0.007
			0.000			1/2" Ice	0.810	0.810	0.009
			0.000			1" Ice	1.170	1.170	0.011
						2" Ice	1.890	1.890	0.015
Yagi Mount	A	From Leg	0.500	0.000	37.000	No Ice	1.320	1.320	0.065
			0.000			1/2" Ice	1.580	1.580	0.077
			0.000			1" Ice	1.840	1.840	0.093
						2" Ice	2.400	2.400	0.134
*									
DB436-C	A	From Leg	4.000	0.000	37.000	No Ice	0.450	0.450	0.007
			0.000			1/2" Ice	0.810	0.810	0.009
			0.000			1" Ice	1.170	1.170	0.011
						2" Ice	1.890	1.890	0.015
Yagi Mount	A	From Leg	0.500	0.000	37.000	No Ice	1.320	1.320	0.065
			0.000			1/2" Ice	1.580	1.580	0.077
			0.000			1" Ice	1.840	1.840	0.093
						2" Ice	2.400	2.400	0.134

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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 2" Ice	1.840 2.400	0.093 0.134
*								

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 ft ²	Weight K
*										
HPD2-4.7	C	Paraboloid w/Shroud (HP)	From Leg	4.000 0.000 2.000	-90.000		150.000	2.042	No Ice 1/2" Ice 1" Ice 2" Ice	3.270 3.550 3.820 4.360
										0.027 0.050 0.060 0.100

Load Combinations

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

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Comb. No.	Description
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	147.5 - 142.5	Pole	Max Tension	26	0.000	0.000	-0.000
			Max. Compression	26	-14.258	0.534	-1.383
			Max. Mx	20	-5.434	59.408	0.875
			Max. My	14	-5.424	-0.459	-59.834
			Max. Vy	20	-6.729	59.408	0.875
			Max. Vx	2	-6.799	0.795	59.552
			Max. Torque	22			2.130
			Max Tension	1	0.000	0.000	0.000
L2	142.5 - 137.5	Pole	Max. Compression	26	-25.525	-0.315	-1.305
			Max. Mx	20	-9.525	104.930	1.513
			Max. My	14	-9.507	-1.045	-105.779
			Max. Vy	8	11.544	-104.844	-1.543
			Max. Vx	2	-11.624	1.189	105.532
			Max. Torque	22			2.130
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-26.601	-0.328	-1.414
L3	137.5 - 132.5	Pole	Max. Mx	20	-10.198	163.501	2.383
			Max. My	14	-10.180	-1.643	-164.592
			Max. Vy	8	11.891	-163.426	-2.229
			Max. Vx	2	-11.971	1.865	164.502
			Max. Torque	20			1.763
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.052	-1.334	0.515
			Max. Mx	8	-14.475	-232.735	-2.073
L4	132.5 - 127.5	Pole	Max. My	2	-14.477	2.090	234.751
			Max. Vy	8	15.752	-232.735	-2.073
			Max. Vx	2	-15.905	2.090	234.751
			Max. Torque	20			1.763
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.604	-1.334	0.462
			Max. Mx	8	-14.475	-232.735	-2.073
			Max. My	2	-14.477	2.090	234.751
L5	127.5 - 125	Pole	Max. Vy	8	15.752	-232.735	-2.073
			Max. Vx	2	-15.905	2.090	234.751
			Max. Torque	20			1.763
L5	127.5 - 125	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.604	-1.334	0.462
			Max. Mx	8	-14.475	-232.735	-2.073

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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
L6	125 - 120	Pole	Max. Mx	8	-14.843	-272.299	-2.511
			Max. My	2	-14.844	2.524	274.691
			Max. Vy	8	15.909	-272.299	-2.511
			Max. Vx	2	-16.062	2.524	274.691
			Max. Torque	20			1.121
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-38.924	-1.334	0.330
			Max. Mx	8	-15.706	-352.843	-3.389
			Max. My	2	-15.709	3.391	355.982
			Max. Vy	8	16.316	-352.843	-3.389
L7	120 - 115	Pole	Max. Vx	2	-16.469	3.391	355.982
			Max. Torque	20			1.121
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.241	-1.334	0.200
			Max. Mx	8	-16.577	-435.399	-4.267
			Max. My	2	-16.580	4.259	439.280
			Max. Vy	8	16.712	-435.399	-4.267
			Max. Vx	2	-16.863	4.259	439.280
			Max. Torque	20			1.121
			Max Tension	1	0.000	0.000	0.000
L8	115 - 110	Pole	Max. Compression	26	-41.556	-1.334	0.069
			Max. Mx	8	-17.458	-519.885	-5.144
			Max. My	2	-17.464	5.125	524.503
			Max. Vy	8	17.090	-519.885	-5.144
			Max. Vx	2	-17.240	5.125	524.503
			Max. Torque	20			1.120
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-42.869	-1.334	-0.060
			Max. Mx	8	-18.352	-606.210	-6.019
			Max. My	2	-18.359	5.990	611.558
L9	110 - 105	Pole	Max. Vy	8	17.450	-606.210	-6.019
			Max. Vx	2	-17.599	5.990	611.558
			Max. Torque	20			1.120
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.421	-1.957	-0.944
			Max. Mx	8	-22.719	-717.677	-6.805
			Max. My	2	-22.738	6.717	722.823
			Max. Vy	8	23.142	-717.677	-6.805
			Max. Vx	2	-23.126	6.717	722.823
			Max. Torque	20			2.491
L10	105 - 100	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.274	-2.386	-0.845
			Max. Mx	8	-23.873	-834.540	-7.608
			Max. My	2	-23.891	7.454	839.751
			Max. Vy	8	23.566	-834.540	-7.608
			Max. Vx	2	-23.637	7.454	839.751
			Max. Torque	20			2.491
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.404	-2.440	-0.858
			Max. Mx	8	-24.336	-852.572	-7.736
L11	100 - 95	Pole	Max. My	2	-24.356	7.565	857.797
			Max. Vy	8	24.088	-852.572	-7.736
			Max. Vx	14	24.136	-8.325	-854.930
			Max. Torque	20			2.490
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.528	-2.458	-0.863
			Max. Mx	8	-24.410	-858.605	-7.778
			Max. My	2	-24.431	7.602	863.825
			Max. Vy	8	24.129	-858.605	-7.778
			Max. Vx	14	24.176	-8.370	-860.968
L12	95 - 94.25	Pole	Max. Torque	20			2.490
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.528	-2.458	-0.863
			Max. Mx	8	-24.410	-858.605	-7.778
			Max. My	2	-24.431	7.602	863.825
L13	94.25 - 94	Pole	Max. Vy	8	24.129	-858.605	-7.778
			Max. Vx	14	24.176	-8.370	-860.968
			Max. Torque	20			2.490
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.528	-2.458	-0.863

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L14	94 - 89	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.007	-2.814	-0.953
			Max. Mx	8	-25.812	-981.582	-8.627
			Max. My	2	-25.848	8.339	985.750
			Max. Vy	8	25.016	-981.582	-8.627
			Max. Vx	14	25.061	-9.286	-984.035
			Max. Torque	20			2.490
L15	89 - 84	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-63.123	-1.737	-1.747
			Max. Mx	8	-27.579	-1109.984	-9.814
			Max. My	14	-27.578	-9.698	-1113.509
			Max. Vy	8	26.107	-1109.984	-9.814
			Max. Vx	14	26.168	-9.698	-1113.509
			Max. Torque	22			3.089
L16	84 - 80	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.888	-1.410	-1.444
			Max. Mx	8	-30.033	-1215.763	-10.284
			Max. My	14	-30.032	-10.052	-1219.578
			Max. Vy	8	26.969	-1215.763	-10.284
			Max. Vx	14	27.023	-10.052	-1219.578
			Max. Torque	22			3.088
L17	80 - 79.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.062	-1.421	-1.443
			Max. Mx	8	-30.155	-1222.507	-10.324
			Max. My	14	-30.154	-10.094	-1226.331
			Max. Vy	8	27.013	-1222.507	-10.324
			Max. Vx	14	27.067	-10.094	-1226.331
			Max. Torque	22			3.088
L18	79.75 - 74.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.583	-1.595	-1.400
			Max. Mx	8	-32.274	-1360.327	-11.174
			Max. My	14	-32.273	-10.987	-1364.281
			Max. Vy	8	28.111	-1360.327	-11.174
			Max. Vx	14	28.155	-10.987	-1364.281
			Max. Torque	22			3.088
L19	74.75 - 69.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-73.706	-1.976	-0.991
			Max. Mx	8	-34.152	-1503.712	-11.853
			Max. My	14	-34.153	-12.008	-1507.372
			Max. Vy	8	29.194	-1503.712	-11.853
			Max. Vx	14	29.196	-12.008	-1507.372
			Max. Torque	22			3.088
L20	69.75 - 64.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-77.194	-2.148	-0.947
			Max. Mx	8	-36.355	-1652.179	-12.683
			Max. My	14	-36.357	-12.873	-1655.730
			Max. Vy	8	30.208	-1652.179	-12.683
			Max. Vx	14	30.204	-12.873	-1655.730
			Max. Torque	22			2.835
L21	64.75 - 60	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.084	-1.500	-0.408
			Max. Mx	8	-41.160	-1798.398	-13.086
			Max. My	14	-41.168	-13.070	-1801.404
			Max. Vy	8	31.639	-1798.398	-13.086
			Max. Vx	14	31.354	-13.070	-1801.404
			Max. Torque	22			2.834
L22	60 - 59.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.313	-1.507	-0.404
			Max. Mx	8	-41.326	-1806.306	-13.123
			Max. My	14	-41.334	-13.107	-1809.237
			Max. Vy	8	31.686	-1806.306	-13.123

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L23	59.75 - 54.75	Pole	Max. Vx	14	31.401	-13.107	-1809.237
			Max. Torque	22			2.834
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-88.746	-1.556	-0.266
			Max. Mx	8	-44.174	-1967.617	-13.892
			Max. My	14	-44.181	-13.896	-1969.012
			Max. Vy	8	32.878	-1967.617	-13.892
L24	54.75 - 49.75	Pole	Max. Vx	14	32.584	-13.896	-1969.012
			Max. Torque	22			2.834
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-92.640	-0.446	-0.189
			Max. Mx	8	-46.488	-2138.912	-14.709
			Max. My	14	-46.496	-14.580	-2138.848
			Max. Vy	8	34.335	-2138.912	-14.709
L25	49.75 - 44.75	Pole	Max. Vx	14	34.019	-14.580	-2138.848
			Max. Torque	22			3.565
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-96.790	-0.625	0.743
			Max. Mx	8	-49.197	-2313.484	-15.115
			Max. My	14	-49.204	-15.520	-2311.225
			Max. Vy	8	35.527	-2313.484	-15.115
L26	44.75 - 40	Pole	Max. Vx	14	35.207	-15.520	-2311.225
			Max. Torque	22			3.565
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.458	0.116	1.357
			Max. Mx	8	-53.199	-2484.121	-15.521
			Max. My	14	-53.206	-15.702	-2480.479
			Max. Vy	8	36.641	-2484.121	-15.521
L27	40 - 39.75	Pole	Max. Vx	14	36.311	-15.702	-2480.479
			Max. Torque	24			3.266
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.829	0.109	1.795
			Max. Mx	8	-53.451	-2493.296	-15.318
			Max. My	14	-53.457	-15.743	-2489.322
			Max. Vy	8	36.758	-2493.296	-15.318
L28	39.75 - 34.75	Pole	Max. Vx	14	36.427	-15.743	-2489.322
			Max. Torque	24			3.266
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-107.563	0.086	2.439
			Max. Mx	8	-56.592	-2680.074	-15.873
			Max. My	14	-56.598	-16.594	-2674.054
			Max. Vy	8	38.005	-2680.074	-15.873
L29	34.75 - 29.75	Pole	Max. Vx	14	37.663	-16.594	-2674.054
			Max. Torque	24			3.140
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-111.304	-0.338	2.366
			Max. Mx	8	-59.094	-2872.828	-16.862
			Max. My	14	-59.099	-17.723	-2864.885
			Max. Vy	8	39.038	-2872.828	-16.862
L30	29.75 - 24.75	Pole	Max. Vx	14	38.692	-17.723	-2864.885
			Max. Torque	24			3.010
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.367	-0.086	2.708
			Max. Mx	8	-62.673	-3070.319	-17.519
			Max. My	14	-62.678	-18.315	-3060.622
			Max. Vy	8	40.115	-3070.319	-17.519
L31	24.75 - 20	Pole	Max. Vx	14	39.759	-18.315	-3060.622
			Max. Torque	24			3.010
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-123.077	1.123	3.629
			Max. Mx	8	-67.653	-3262.277	-17.654

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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
L32	20 - 19.75	Pole	Max. My	14	-67.657	-18.088	-3251.154
			Max. Vy	8	41.203	-3262.277	-17.654
			Max. Vx	14	40.831	-18.088	-3251.154
			Max. Torque	24			3.009
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-123.315	1.124	3.638
			Max. Mx	8	-67.837	-3272.567	-17.688
			Max. My	14	-67.841	-18.122	-3261.349
			Max. Vy	8	41.240	-3272.567	-17.688
			Max. Vx	14	40.868	-18.122	-3261.349
L33	19.75 - 14.75	Pole	Max. Torque	24			3.009
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-128.356	1.314	3.959
			Max. Mx	8	-71.352	-3481.176	-18.377
			Max. My	14	-71.355	-18.792	-3468.018
			Max. Vy	8	42.320	-3481.176	-18.377
			Max. Vx	14	41.934	-18.792	-3468.018
			Max. Torque	24			3.009
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-132.333	0.959	3.942
L34	14.75 - 9.75	Pole	Max. Mx	8	-74.136	-3695.207	-19.313
			Max. My	14	-74.138	-19.865	-3679.909
			Max. Vy	8	43.257	-3695.207	-19.313
			Max. Vx	14	42.867	-19.865	-3679.909
			Max. Torque	24			3.009
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-136.076	0.525	3.874
			Max. Mx	8	-76.804	-3913.911	-20.286
			Max. My	14	-76.805	-21.002	-3896.428
			Max. Vy	8	44.164	-3913.911	-20.286
L35	9.75 - 4.75	Pole	Max. Vx	14	43.771	-21.002	-3896.428
			Max. Torque	24			3.009
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-139.508	0.133	3.818
			Max. Mx	8	-79.345	-4125.834	-21.207
			Max. My	14	-79.345	-22.079	-4106.259
			Max. Vy	8	45.012	-4125.834	-21.207
			Max. Vx	14	44.615	-22.079	-4106.259
			Max. Torque	24			3.009
			Max Tension	1	0.000	0.000	0.000
L36	4.75 - 0	Pole	Max. Compression	26	-139.508	0.133	3.818
			Max. Mx	8	-79.345	-4125.834	-21.207
			Max. My	14	-79.345	-22.079	-4106.259
			Max. Vy	8	45.012	-4125.834	-21.207
			Max. Vx	14	44.615	-22.079	-4106.259
			Max. Torque	24			3.009
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-139.508	0.133	3.818
			Max. Mx	8	-79.345	-4125.834	-21.207
			Max. My	14	-79.345	-22.079	-4106.259

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	139.508	-0.000	0.000
	Max. H _x	20	79.356	38.986	0.239
	Max. H _z	2	79.356	0.197	39.113
	Max. M _x	2	3881.382	0.197	39.113
	Max. M _z	8	4125.834	-44.993	-0.196
	Max. Torsion	24	3.009	20.036	34.483
	Min. Vert	19	59.517	33.428	-19.195
	Min. H _x	8	79.356	-44.993	-0.196
	Min. H _z	14	79.356	-0.184	-44.597
	Min. M _x	14	-4106.259	-0.184	-44.597
	Min. M _z	20	-3857.312	38.986	0.239
	Min. Torsion	12	-2.781	-22.489	-38.732

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Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
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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	66.130	0.000	0.000	-4.379	2.079	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	79.356	-0.197	-39.113	-3881.382	29.271	-2.722
0.9 Dead+1.0 Wind 0 deg - No Ice	59.517	-0.197	-39.113	-3851.634	28.406	-2.710
1.2 Dead+1.0 Wind 30 deg - No Ice	79.356	19.970	-34.848	-3404.037	-1933.846	-1.834
0.9 Dead+1.0 Wind 30 deg - No Ice	59.517	19.970	-34.848	-3377.997	-1920.495	-1.831
1.2 Dead+1.0 Wind 60 deg - No Ice	79.356	38.433	-22.039	-2033.902	-3538.994	0.130
0.9 Dead+1.0 Wind 60 deg - No Ice	59.517	38.433	-22.039	-2018.114	-3514.461	0.122
1.2 Dead+1.0 Wind 90 deg - No Ice	79.356	44.993	0.196	21.207	-4125.834	1.606
0.9 Dead+1.0 Wind 90 deg - No Ice	59.517	44.993	0.196	22.350	-4097.219	1.590
1.2 Dead+1.0 Wind 120 deg - No Ice	79.356	38.613	22.379	2064.896	-3555.964	2.483
0.9 Dead+1.0 Wind 120 deg - No Ice	59.517	38.613	22.379	2051.498	-3531.298	2.463
1.2 Dead+1.0 Wind 150 deg - No Ice	79.356	22.489	38.732	3565.666	-2071.843	2.781
0.9 Dead+1.0 Wind 150 deg - No Ice	59.517	22.489	38.732	3541.638	-2057.735	2.763
1.2 Dead+1.0 Wind 180 deg - No Ice	79.356	0.184	44.597	4106.259	-22.079	2.456
0.9 Dead+1.0 Wind 180 deg - No Ice	59.517	0.184	44.597	4078.378	-22.507	2.444
1.2 Dead+1.0 Wind 210 deg - No Ice	79.356	-21.719	37.792	3535.233	2028.607	1.587
0.9 Dead+1.0 Wind 210 deg - No Ice	59.517	-21.719	37.792	3511.439	2013.625	1.584
1.2 Dead+1.0 Wind 240 deg - No Ice	79.356	-33.428	19.195	1896.438	3312.260	0.075
0.9 Dead+1.0 Wind 240 deg - No Ice	59.517	-33.428	19.195	1883.858	3287.382	0.082
1.2 Dead+1.0 Wind 270 deg - No Ice	79.356	-38.986	-0.239	-38.698	3857.312	-1.766
0.9 Dead+1.0 Wind 270 deg - No Ice	59.517	-38.986	-0.239	-37.036	3828.487	-1.751
1.2 Dead+1.0 Wind 300 deg - No Ice	79.356	-35.242	-20.448	-1994.390	3415.928	-2.677
0.9 Dead+1.0 Wind 300 deg - No Ice	59.517	-35.242	-20.448	-1978.544	3390.539	-2.657
1.2 Dead+1.0 Wind 330 deg - No Ice	79.356	-20.036	-34.483	-3389.404	1968.902	-3.009
0.9 Dead+1.0 Wind 330 deg - No Ice	59.517	-20.036	-34.483	-3363.371	1953.947	-2.991
1.2 Dead+1.0 Ice+1.0 Temp	139.508	0.000	-0.000	-3.818	0.133	0.000
1.2 Dead+1.0 Wind 0 deg+1.0	139.508	-0.046	-10.190	-1097.936	6.064	-1.002

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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
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30 deg+1.0	139.508	5.286	-9.212	-972.038	-553.048	-0.708
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60 deg+1.0	139.508	8.988	-5.154	-550.427	-952.808	-0.172
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90 deg+1.0	139.508	10.532	0.046	2.126	-1110.283	0.362
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	139.508	9.029	5.232	552.091	-956.647	0.753
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	139.508	5.277	9.086	957.772	-557.986	0.965
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	139.508	0.043	10.402	1099.291	-5.562	0.945
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	139.508	-5.345	9.298	967.916	556.915	0.655
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	139.508	-8.812	5.062	538.979	943.729	0.215
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	139.508	-10.291	-0.055	-11.409	1099.000	-0.397
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	139.508	-8.919	-5.172	-558.113	952.660	-0.793
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	139.508	-5.207	-8.966	-961.029	555.395	-1.012
Dead+Wind 0 deg - Service	66.130	-0.043	-8.489	-841.994	7.875	-0.586
Dead+Wind 30 deg - Service	66.130	4.334	-7.564	-738.871	-416.334	-0.395
Dead+Wind 60 deg - Service	66.130	8.341	-4.783	-442.843	-763.246	0.027
Dead+Wind 90 deg - Service	66.130	9.765	0.043	1.276	-890.080	0.346
Dead+Wind 120 deg - Service	66.130	8.381	4.857	442.932	-766.916	0.535
Dead+Wind 150 deg - Service	66.130	4.881	8.406	767.266	-446.186	0.598
Dead+Wind 180 deg - Service	66.130	0.040	9.679	884.088	-3.211	0.528
Dead+Wind 210 deg - Service	66.130	-4.714	8.202	760.683	439.957	0.341
Dead+Wind 240 deg - Service	66.130	-7.255	4.166	406.474	717.260	0.016
Dead+Wind 270 deg - Service	66.130	-8.462	-0.052	-11.656	835.044	-0.382
Dead+Wind 300 deg - Service	66.130	-7.649	-4.438	-434.261	739.702	-0.575
Dead+Wind 330 deg - Service	66.130	-4.349	-7.484	-735.702	427.007	-0.646

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	-66.130	0.000	0.000	66.130	0.000	0.000%
2	-0.197	-79.356	-39.113	0.197	79.356	39.113	0.000%
3	-0.197	-59.517	-39.113	0.197	59.517	39.113	0.000%
4	19.970	-79.356	-34.848	-19.970	79.356	34.848	0.000%
5	19.970	-59.517	-34.848	-19.970	59.517	34.848	0.000%
6	38.433	-79.356	-22.039	-38.433	79.356	22.039	0.000%
7	38.433	-59.517	-22.039	-38.433	59.517	22.039	0.000%
8	44.993	-79.356	0.196	-44.993	79.356	-0.196	0.000%
9	44.993	-59.517	0.196	-44.993	59.517	-0.196	0.000%
10	38.613	-79.356	22.379	-38.613	79.356	-22.379	0.000%
11	38.613	-59.517	22.379	-38.613	59.517	-22.379	0.000%
12	22.489	-79.356	38.732	-22.489	79.356	-38.732	0.000%
13	22.489	-59.517	38.732	-22.489	59.517	-38.732	0.000%
14	0.184	-79.356	44.597	-0.184	79.356	-44.597	0.000%
15	0.184	-59.517	44.597	-0.184	59.517	-44.597	0.000%
16	-21.719	-79.356	37.792	21.719	79.356	-37.792	0.000%
17	-21.719	-59.517	37.792	21.719	59.517	-37.792	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	
18	-33.428	-79.356	19.195	33.428	79.356	-19.195	0.000%
19	-33.428	-59.517	19.195	33.428	59.517	-19.195	0.000%
20	-38.986	-79.356	-0.239	38.986	79.356	0.239	0.000%
21	-38.986	-59.517	-0.239	38.986	59.517	0.239	0.000%
22	-35.242	-79.356	-20.448	35.242	79.356	20.448	0.000%
23	-35.242	-59.517	-20.448	35.242	59.517	20.448	0.000%
24	-20.036	-79.356	-34.483	20.036	79.356	34.483	0.000%
25	-20.036	-59.517	-34.483	20.036	59.517	34.483	0.000%
26	0.000	-139.508	0.000	-0.000	139.508	0.000	0.000%
27	-0.046	-139.508	-0.190	0.046	139.508	0.190	0.000%
28	5.286	-139.508	-9.212	-5.286	139.508	9.212	0.000%
29	8.988	-139.508	-5.154	-8.988	139.508	5.154	0.000%
30	10.532	-139.508	0.046	-10.532	139.508	-0.046	0.000%
31	9.029	-139.508	5.232	-9.029	139.508	-5.232	0.000%
32	5.277	-139.508	9.086	-5.277	139.508	-9.086	0.000%
33	0.043	-139.508	10.402	-0.043	139.508	-10.402	0.000%
34	-5.345	-139.508	9.298	5.345	139.508	-9.298	0.000%
35	-8.812	-139.508	5.062	8.812	139.508	-5.062	0.000%
36	-10.291	-139.508	-0.055	10.291	139.508	0.055	0.000%
37	-8.919	-139.508	-5.172	8.919	139.508	5.172	0.000%
38	-5.207	-139.508	-8.966	5.207	139.508	8.966	0.000%
39	-0.043	-66.130	-8.489	0.043	66.130	8.489	0.000%
40	4.334	-66.130	-7.564	-4.334	66.130	7.564	0.000%
41	8.341	-66.130	-4.783	-8.341	66.130	4.783	0.000%
42	9.765	-66.130	0.043	-9.765	66.130	-0.043	0.000%
43	8.381	-66.130	4.857	-8.381	66.130	-4.857	0.000%
44	4.881	-66.130	8.406	-4.881	66.130	-8.406	0.000%
45	0.040	-66.130	9.679	-0.040	66.130	-9.679	0.000%
46	-4.714	-66.130	8.202	4.714	66.130	-8.202	0.000%
47	-7.255	-66.130	4.166	7.255	66.130	-4.166	0.000%
48	-8.462	-66.130	-0.052	8.462	66.130	0.052	0.000%
49	-7.649	-66.130	-4.438	7.649	66.130	4.438	0.000%
50	-4.349	-66.130	-7.484	4.349	66.130	7.484	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00014628
3	Yes	5	0.00000001	0.00007018
4	Yes	6	0.00000001	0.00004810
5	Yes	5	0.00000001	0.00058917
6	Yes	6	0.00000001	0.00004980
7	Yes	5	0.00000001	0.00060626
8	Yes	5	0.00000001	0.00016088
9	Yes	5	0.00000001	0.00007741
10	Yes	6	0.00000001	0.00005586
11	Yes	5	0.00000001	0.00068115
12	Yes	6	0.00000001	0.00005006
13	Yes	5	0.00000001	0.00060954
14	Yes	5	0.00000001	0.00009526
15	Yes	5	0.00000001	0.00004344
16	Yes	6	0.00000001	0.00005121
17	Yes	5	0.00000001	0.00062392
18	Yes	6	0.00000001	0.00004905

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19	Yes	5	0.00000001	0.00060335
20	Yes	5	0.00000001	0.00012271
21	Yes	5	0.00000001	0.00005905
22	Yes	6	0.00000001	0.00004803
23	Yes	5	0.00000001	0.00058770
24	Yes	6	0.00000001	0.00005369
25	Yes	5	0.00000001	0.00065857
26	Yes	4	0.00000001	0.00001780
27	Yes	6	0.00000001	0.00023414
28	Yes	6	0.00000001	0.00025026
29	Yes	6	0.00000001	0.00024867
30	Yes	6	0.00000001	0.00023545
31	Yes	6	0.00000001	0.00025168
32	Yes	6	0.00000001	0.00025132
33	Yes	6	0.00000001	0.00023450
34	Yes	6	0.00000001	0.00024988
35	Yes	6	0.00000001	0.00024655
36	Yes	6	0.00000001	0.00023308
37	Yes	6	0.00000001	0.00024941
38	Yes	6	0.00000001	0.00025100
39	Yes	4	0.00000001	0.00029164
40	Yes	4	0.00000001	0.00051454
41	Yes	4	0.00000001	0.00053376
42	Yes	4	0.00000001	0.00030699
43	Yes	4	0.00000001	0.00064539
44	Yes	4	0.00000001	0.00053609
45	Yes	4	0.00000001	0.00028237
46	Yes	4	0.00000001	0.00055629
47	Yes	4	0.00000001	0.00053514
48	Yes	4	0.00000001	0.00029845
49	Yes	4	0.00000001	0.00052487
50	Yes	4	0.00000001	0.00062341

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147.5 - 142.5	12.314	44	0.829	0.003
L2	142.5 - 137.5	11.449	44	0.822	0.003
L3	137.5 - 132.5	10.595	44	0.809	0.002
L4	132.5 - 127.5	9.758	44	0.787	0.002
L5	127.5 - 125	8.950	44	0.756	0.002
L6	125 - 120	8.559	44	0.736	0.002
L7	120 - 115	7.801	44	0.711	0.002
L8	115 - 110	7.072	44	0.679	0.001
L9	110 - 105	6.381	44	0.641	0.001
L10	105 - 100	5.733	44	0.595	0.001
L11	100 - 95	5.137	44	0.542	0.001
L12	95 - 94.25	4.588	42	0.506	0.001
L13	94.25 - 94	4.509	42	0.500	0.001
L14	94 - 89	4.483	42	0.499	0.001
L15	89 - 84	3.978	42	0.466	0.001
L16	84 - 80	3.510	42	0.429	0.001
L17	80 - 79.75	3.165	42	0.396	0.001
L18	79.75 - 74.75	3.144	42	0.395	0.001
L19	74.75 - 69.75	2.744	42	0.370	0.001
L20	69.75 - 64.75	2.371	42	0.342	0.000
L21	64.75 - 60	2.028	42	0.312	0.000
L22	60 - 59.75	1.733	42	0.281	0.000

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L23	59.75 - 54.75	1.718	42	0.280	0.000
L24	54.75 - 49.75	1.437	42	0.257	0.000
L25	49.75 - 44.75	1.180	42	0.233	0.000
L26	44.75 - 40	0.950	42	0.206	0.000
L27	40 - 39.75	0.759	42	0.179	0.000
L28	39.75 - 34.75	0.749	42	0.178	0.000
L29	34.75 - 29.75	0.574	42	0.157	0.000
L30	29.75 - 24.75	0.421	42	0.135	0.000
L31	24.75 - 20	0.291	42	0.112	0.000
L32	20 - 19.75	0.192	42	0.088	0.000
L33	19.75 - 14.75	0.187	42	0.087	0.000
L34	14.75 - 9.75	0.106	42	0.067	0.000
L35	9.75 - 4.75	0.047	42	0.046	0.000
L36	4.75 - 0	0.011	42	0.023	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
152.000	HPD2-4.7	44	12.314	0.829	0.003	29459
150.000	AIR 32 B2A/B66AA w/ Mount Pipe	44	12.314	0.829	0.003	29459
149.500	Lightning Rod 5/8" x 4'	44	12.314	0.829	0.003	29459
147.500	4' x 2" Pipe Mount	44	12.314	0.829	0.003	29459
140.000	(2) NNHH-65B-R4 w/ Mount Pipe	44	11.020	0.816	0.003	21301
130.000	NNVV-65B-R4 w/ Mount Pipe	44	9.350	0.773	0.002	9035
128.000	Ice Shields	44	9.029	0.760	0.002	8409
102.000	7750.00 w/ Mount Pipe	44	5.369	0.562	0.001	5959
95.000	APXV18-206516S-C	42	4.588	0.506	0.001	8103
89.000	1142-2C	42	3.978	0.466	0.001	8201
72.000	GPS_A	42	2.535	0.355	0.001	10369
54.000	201-1N	42	1.397	0.254	0.000	11965
49.000	DB436-C	42	1.144	0.229	0.000	11030
45.000	DB436-C	42	0.961	0.207	0.000	10369
40.000	DB436-C	42	0.759	0.179	0.000	11659
37.000	DB436-C	42	0.650	0.167	0.000	13436

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147.5 - 142.5	57.195	12	3.848	0.014
L2	142.5 - 137.5	53.185	12	3.816	0.012
L3	137.5 - 132.5	49.222	12	3.758	0.010
L4	132.5 - 127.5	45.340	12	3.659	0.009
L5	127.5 - 125	41.584	12	3.514	0.008
L6	125 - 120	39.770	12	3.421	0.007
L7	120 - 115	36.250	12	3.304	0.007
L8	115 - 110	32.868	12	3.156	0.007
L9	110 - 105	29.656	12	2.977	0.006
L10	105 - 100	26.649	12	2.766	0.006

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L11	100 - 95	23.879	12	2.519	0.005
L12	95 - 94.25	21.328	12	2.352	0.005
L13	94.25 - 94	20.960	12	2.325	0.004
L14	94 - 89	20.839	12	2.318	0.004
L15	89 - 84	18.490	12	2.166	0.004
L16	84 - 80	16.311	12	1.994	0.003
L17	80 - 79.75	14.705	12	1.840	0.003
L18	79.75 - 74.75	14.609	12	1.835	0.003
L19	74.75 - 69.75	12.747	12	1.720	0.003
L20	69.75 - 64.75	11.013	12	1.592	0.002
L21	64.75 - 60	9.418	12	1.451	0.002
L22	60 - 59.75	8.046	12	1.306	0.002
L23	59.75 - 54.75	7.978	12	1.301	0.002
L24	54.75 - 49.75	6.671	12	1.195	0.002
L25	49.75 - 44.75	5.478	12	1.081	0.001
L26	44.75 - 40	4.411	12	0.957	0.001
L27	40 - 39.75	3.521	12	0.830	0.001
L28	39.75 - 34.75	3.478	12	0.825	0.001
L29	34.75 - 29.75	2.663	12	0.730	0.001
L30	29.75 - 24.75	1.951	12	0.628	0.001
L31	24.75 - 20	1.350	8	0.519	0.001
L32	20 - 19.75	0.889	8	0.408	0.000
L33	19.75 - 14.75	0.867	8	0.404	0.000
L34	14.75 - 9.75	0.493	8	0.310	0.000
L35	9.75 - 4.75	0.219	8	0.211	0.000
L36	4.75 - 0	0.053	8	0.106	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
152.000	HPD2-4.7	12	57.195	3.848	0.016	6524
150.000	AIR 32 B2A/B66AA w/ Mount Pipe	12	57.195	3.848	0.016	6524
149.500	Lightning Rod 5/8" x 4'	12	57.195	3.848	0.016	6524
147.500	4' x 2" Pipe Mount	12	57.195	3.848	0.016	6524
140.000	(2) NNHH-65B-R4 w/ Mount Pipe	12	51.196	3.792	0.013	4698
130.000	NNVV-65B-R4 w/ Mount Pipe	12	43.442	3.595	0.010	1961
128.000	Ice Shields	12	41.952	3.532	0.009	1829
102.000	7750.00 w/ Mount Pipe	12	24.959	2.612	0.006	1290
95.000	APXV18-206516S-C	12	21.328	2.352	0.005	1752
89.000	1142-2C	12	18.490	2.166	0.004	1772
72.000	GPS_A	12	11.777	1.650	0.003	2237
54.000	201-1N	12	6.484	1.179	0.002	2576
49.000	DB436-C	12	5.310	1.063	0.001	2374
45.000	DB436-C	12	4.461	0.964	0.001	2231
40.000	DB436-C	12	3.521	0.830	0.001	2507
37.000	DB436-C	12	3.018	0.774	0.001	2890

Compression Checks

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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	147.5 - 146.5	P24x0.375	5.000	0.000	0.0	27.833	-4.930	1052.070	0.005
	146.5 - 145.5					27.833	-5.051	1052.070	0.005
	145.5 - 144.5					27.833	-5.174	1052.070	0.005
	144.5 - 143.5					27.833	-5.300	1052.070	0.005
	143.5 - 142.5					27.833	-5.424	1052.070	0.005
L2	142.5 - 141.5	P24x0.375	5.000	0.000	0.0	27.833	-5.551	1052.070	0.005
	141.5 - 140.5					27.833	-5.679	1052.070	0.005
	140.5 - 139.5					27.833	-9.242	1052.070	0.009
	139.5 - 138.5					27.833	-9.371	1052.070	0.009
	138.5 - 137.5					27.833	-9.500	1052.070	0.009
L3	137.5 - 136.5	P24x0.375	5.000	0.000	0.0	27.833	-9.634	1052.070	0.009
	136.5 - 135.5					27.833	-9.768	1052.070	0.009
	135.5 - 134.5					27.833	-9.902	1052.070	0.009
	134.5 - 133.5					27.833	-10.044	1052.070	0.010
	133.5 - 132.5					27.833	-10.180	1052.070	0.010
L4	132.5 - 131.5	P24x0.375	5.000	0.000	0.0	27.833	-10.319	1052.070	0.010
	131.5 - 130.5					27.833	-10.459	1052.070	0.010
	130.5 - 129.5					27.833	-14.171	1052.070	0.013
	129.5 - 128.5					27.833	-14.313	1052.070	0.014
	128.5 - 127.5					27.833	-14.469	1052.070	0.014
L5	127.5 - 126.25	P24x0.375	2.500	0.000	0.0	27.833	-14.651	1052.070	0.014
	126.25 - 125					27.833	-14.836	1052.070	0.014
L6	125 - 124	P30x0.375	5.000	0.000	0.0	34.901	-15.012	1311.060	0.011
	124 - 123					34.901	-15.184	1311.060	0.012
	123 - 122					34.901	-15.356	1311.060	0.012
	122 - 121					34.901	-15.528	1311.060	0.012
	121 - 120					34.901	-15.701	1311.060	0.012
L7	120 - 119	P30x0.375	5.000	0.000	0.0	34.901	-15.875	1311.060	0.012
	119 - 118					34.901	-16.049	1311.060	0.012
	118 - 117					34.901	-16.223	1311.060	0.012
	117 - 116					34.901	-16.398	1311.060	0.013
	116 - 115					34.901	-16.573	1311.060	0.013
L8	115 - 114	P30x0.375	5.000	0.000	0.0	34.901	-16.749	1311.060	0.013
	114 - 113					34.901	-16.925	1311.060	0.013
	113 - 112					34.901	-17.102	1311.060	0.013
	112 - 111					34.901	-17.279	1311.060	0.013
	111 - 110					34.901	-17.456	1311.060	0.013
L9	110 - 109	P30x0.375	5.000	0.000	0.0	34.901	-17.635	1311.060	0.013
	109 - 108					34.901	-17.813	1311.060	0.014
	108 - 107					34.901	-17.993	1311.060	0.014
	107 - 106					34.901	-18.172	1311.060	0.014
	106 - 105					34.901	-18.352	1311.060	0.014
L10	105 - 104	P30x0.375	5.000	0.000	0.0	34.901	-18.542	1311.060	0.014
	104 - 103					34.901	-18.732	1311.060	0.014
	103 - 102					34.901	-18.922	1311.060	0.014
	102 - 101					34.901	-22.533	1311.060	0.017
	101 - 100					34.901	-22.730	1311.060	0.017
L11	100 - 99	P36x0.375	5.000	0.000	0.0	41.970	-22.964	1490.100	0.015
	99 - 98					41.970	-23.193	1490.100	0.016
	98 - 97					41.970	-23.424	1490.100	0.016
	97 - 96					41.970	-23.655	1490.100	0.016
	96 - 95					41.970	-23.886	1490.100	0.016
L12	95 - 94.25 (12)	P36x0.375	0.750	0.000	0.0	41.970	-24.352	1490.100	0.016
L13	94.25 - 94 (13)	P36x0.49375	0.250	0.000	0.0	55.076	-24.427	2081.870	0.012
L14	94 - 93	P36x0.49375	5.000	0.000	0.0	55.076	-24.707	2081.870	0.012
	93 - 92					55.076	-24.991	2081.870	0.012
	92 - 91					55.076	-25.276	2081.870	0.012

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L15	91 - 90	P36x0.49375	5.000	0.000	0.0	55.076	-25.561	2081.870	0.012
	90 - 89					55.076	-25.847	2081.870	0.012
	89 - 88					55.076	-26.265	2081.870	0.013
	88 - 87					55.076	-26.591	2081.870	0.013
	87 - 86					55.076	-26.918	2081.870	0.013
L16	86 - 85	P36x0.49375	4.000	0.000	0.0	55.076	-27.245	2081.870	0.013
	85 - 84					55.076	-27.573	2081.870	0.013
	84 - 83					55.076	-28.186	2081.870	0.014
	83 - 82					55.076	-28.799	2081.870	0.014
	82 - 81					55.076	-29.414	2081.870	0.014
L17	81 - 80	P42x0.575	0.250	0.000	0.0	55.076	-30.029	2081.870	0.014
L18	80 - 79.75 (17)					74.831	-30.150	2828.600	0.011
L19	79.75 - 78.75					74.831	-30.570	2828.600	0.011
	78.75 - 77.75					74.831	-30.995	2828.600	0.011
	77.75 - 76.75					74.831	-31.419	2828.600	0.011
	76.75 - 75.75					74.831	-31.845	2828.600	0.011
	75.75 - 74.75	P42x0.575	5.000	0.000	0.0	74.831	-32.270	2828.600	0.011
L20	74.75 - 73.75					74.831	-32.630	2828.600	0.012
	73.75 - 72.75					74.831	-32.990	2828.600	0.012
	72.75 - 71.75					74.831	-33.427	2828.600	0.012
	71.75 - 70.75					74.831	-33.788	2828.600	0.012
	70.75 - 69.75	P42x0.575	5.000	0.000	0.0	74.831	-34.149	2828.600	0.012
L21	69.75 - 68.75					74.831	-34.589	2828.600	0.012
	68.75 - 67.75					74.831	-35.030	2828.600	0.012
	67.75 - 66.75					74.831	-35.471	2828.600	0.013
	66.75 - 65.75					74.831	-35.912	2828.600	0.013
L22	65.75 - 64.75	P42x0.575	4.750	0.000	0.0	74.831	-36.354	2828.600	0.013
	64.75 - 63.5625					74.831	-37.553	2828.600	0.013
	63.5625 - 62.375					74.831	-38.754	2828.600	0.014
	62.375 - 61.1875					74.831	-39.957	2828.600	0.014
	61.1875 - 60					74.831	-41.160	2828.600	0.015
L23	60 - 59.75 (22)	P48x0.6125	0.250	0.000	0.0	91.184	-41.326	3446.760	0.012
L24	59.75 - 58.75	P48x0.6125	5.000	0.000	0.0	91.184	-41.891	3446.760	0.012
	58.75 - 57.75					91.184	-42.461	3446.760	0.012
	57.75 - 56.75					91.184	-43.032	3446.760	0.012
	56.75 - 55.75					91.184	-43.602	3446.760	0.013
	55.75 - 54.75					91.184	-44.174	3446.760	0.013
L25	54.75 - 53.75	P48x0.6125	5.000	0.000	0.0	91.184	-44.779	3446.760	0.013
	53.75 - 52.75					91.184	-45.206	3446.760	0.013
	52.75 - 51.75					91.184	-45.633	3446.760	0.013
	51.75 - 50.75					91.184	-46.060	3446.760	0.013
	50.75 - 49.75					91.184	-46.488	3446.760	0.013
L26	49.75 - 48.75	P48x0.6125	5.000	0.000	0.0	91.184	-47.080	3446.760	0.014
	48.75 - 47.75					91.184	-47.587	3446.760	0.014
	47.75 - 46.75					91.184	-48.095	3446.760	0.014
	46.75 - 45.75					91.184	-48.604	3446.760	0.014
	45.75 - 44.75					91.184	-49.198	3446.760	0.014
L27	44.75 - 43.5625	P48x0.6125	4.750	0.000	0.0	91.184	-50.196	3446.760	0.015
	43.5625 - 42.375					91.184	-51.197	3446.760	0.015
	42.375 - 41.1875					91.184	-52.198	3446.760	0.015
	41.1875 - 40					91.184	-53.200	3446.760	0.015
	40 - 39.75 (27)	P54x0.65	0.250	0.000	0.0	108.943	-53.452	4042.520	0.013
L28	39.75 - 38.75	P54x0.65	5.000	0.000	0.0	108.943	-54.059	4042.520	0.013
	38.75 - 37.75					108.943	-54.671	4042.520	0.014

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L29	37.75 - 36.75	P54x0.65	5.000	0.000	0.0	108.943	-55.368	4042.520	0.014
	36.75 - 35.75					108.943	-55.981	4042.520	0.014
	35.75 - 34.75					108.943	-56.593	4042.520	0.014
	34.75 - 33.75					108.943	-57.093	4042.520	0.014
	33.75 - 32.75					108.943	-57.593	4042.520	0.014
	32.75 - 31.75					108.943	-58.093	4042.520	0.014
L30	31.75 - 30.75	P54x0.65	5.000	0.000	0.0	108.943	-58.594	4042.520	0.014
	30.75 - 29.75					108.943	-59.095	4042.520	0.015
	29.75 - 28.75					108.943	-59.810	4042.520	0.015
	28.75 - 27.75					108.943	-60.526	4042.520	0.015
	27.75 - 26.75					108.943	-61.242	4042.520	0.015
	26.75 - 25.75					108.943	-61.958	4042.520	0.015
L31	25.75 - 24.75	P54x0.65	4.750	0.000	0.0	108.943	-62.675	4042.520	0.016
	24.75 - 23.5625					108.943	-63.918	4042.520	0.016
	23.5625 - 22.375					108.943	-65.163	4042.520	0.016
	22.375 - 21.1875								
	21.1875 - 20								
	20 - 19.75 (32)					108.943	-67.654	4042.520	0.017
L32	19.75 - 18.75	P60x0.625	0.250	0.000	0.0	116.583	-67.839	4139.150	0.016
L33	18.75 - 17.75	P60x0.625	5.000	0.000	0.0	116.583	-68.537	4139.150	0.017
	17.75 - 16.75					116.583	-69.241	4139.150	0.017
	16.75 - 15.75					116.583	-69.945	4139.150	0.017
	15.75 - 14.75					116.583	-70.649	4139.150	0.017
	14.75 - 13.75					116.583	-71.353	4139.150	0.017
	13.75 - 12.75					116.583	-71.909	4139.150	0.017
L34	12.75 - 11.75	P60x0.625	5.000	0.000	0.0	116.583	-72.466	4139.150	0.018
	11.75 - 10.75					116.583	-73.022	4139.150	0.018
	10.75 - 9.75					116.583	-73.579	4139.150	0.018
	9.75 - 8.75					116.583	-74.136	4139.150	0.018
	8.75 - 7.75					116.583	-74.669	4139.150	0.018
	7.75 - 6.75					116.583	-75.202	4139.150	0.018
L35	6.75 - 5.75	P60x0.625	5.000	0.000	0.0	116.583	-75.736	4139.150	0.018
	5.75 - 4.75					116.583	-76.270	4139.150	0.018
	4.75 - 3.5625					116.583	-76.804	4139.150	0.019
	3.5625 - 2.375					116.583	-77.437	4139.150	0.019
	2.375 - 1.1875					116.583	-78.073	4139.150	0.019
	1.1875 - 0					116.583	-78.709	4139.150	0.019
L36		P60x0.625	4.750	0.000	0.0	116.583	-79.345	4139.150	0.019

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	147.5 - 146.5	P24x0.375	33.372	623.717	0.054	0.000	623.717	0.000
	146.5 - 145.5		39.869	623.717	0.064	0.000	623.717	0.000
	145.5 - 144.5		46.467	623.717	0.074	0.000	623.717	0.000
	144.5 - 143.5		53.113	623.717	0.085	0.000	623.717	0.000
	143.5 - 142.5		59.877	623.717	0.096	0.000	623.717	0.000
L2	142.5 - 141.5	P24x0.375	66.712	623.717	0.107	0.000	623.717	0.000
	141.5 - 140.5		73.620	623.717	0.118	0.000	623.717	0.000
	140.5 - 139.5		82.939	623.717	0.133	0.000	623.717	0.000
	139.5 - 138.5		94.487	623.717	0.151	0.000	623.717	0.000
	138.5 - 137.5		106.108	623.717	0.170	0.000	623.717	0.000

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Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L3	137.5 - 136.5	P24x0.375	117.798	623.717	0.189	0.000	623.717	0.000
	136.5 - 135.5		129.558	623.717	0.208	0.000	623.717	0.000
	135.5 - 134.5		141.387	623.717	0.227	0.000	623.717	0.000
	134.5 - 133.5		153.277	623.717	0.246	0.000	623.717	0.000
	133.5 - 132.5		165.275	623.717	0.265	0.000	623.717	0.000
L4	132.5 - 131.5	P24x0.375	177.341	623.717	0.284	0.000	623.717	0.000
	131.5 - 130.5		189.474	623.717	0.304	0.000	623.717	0.000
	130.5 - 129.5		203.938	623.717	0.327	0.000	623.717	0.000
	129.5 - 128.5		219.628	623.717	0.352	0.000	623.717	0.000
	128.5 - 127.5		235.478	623.717	0.378	0.000	623.717	0.000
L5	127.5 - 126.25	P24x0.375	255.499	623.717	0.410	0.000	623.717	0.000
	126.25 - 125		275.617	623.717	0.442	0.000	623.717	0.000
L6	125 - 124	P30x0.375	291.789	947.858	0.308	0.000	947.858	0.000
	124 - 123		308.045	947.858	0.325	0.000	947.858	0.000
	123 - 122		324.382	947.858	0.342	0.000	947.858	0.000
	122 - 121		340.803	947.858	0.360	0.000	947.858	0.000
	121 - 120		357.303	947.858	0.377	0.000	947.858	0.000
L7	120 - 119	P30x0.375	373.883	947.858	0.394	0.000	947.858	0.000
	119 - 118		390.544	947.858	0.412	0.000	947.858	0.000
	118 - 117		407.283	947.858	0.430	0.000	947.858	0.000
	117 - 116		424.101	947.858	0.447	0.000	947.858	0.000
	116 - 115		440.997	947.858	0.465	0.000	947.858	0.000
L8	115 - 114	P30x0.375	457.969	947.858	0.483	0.000	947.858	0.000
	114 - 113		475.018	947.858	0.501	0.000	947.858	0.000
	113 - 112		492.142	947.858	0.519	0.000	947.858	0.000
	112 - 111		509.342	947.858	0.537	0.000	947.858	0.000
	111 - 110		526.615	947.858	0.556	0.000	947.858	0.000
L9	110 - 109	P30x0.375	543.962	947.858	0.574	0.000	947.858	0.000
	109 - 108		561.381	947.858	0.592	0.000	947.858	0.000
	108 - 107		578.872	947.858	0.611	0.000	947.858	0.000
	107 - 106		596.434	947.858	0.629	0.000	947.858	0.000
	106 - 105		614.066	947.858	0.648	0.000	947.858	0.000
L10	105 - 104	P30x0.375	631.768	947.858	0.667	0.000	947.858	0.000
	104 - 103		649.538	947.858	0.685	0.000	947.858	0.000
	103 - 102		667.376	947.858	0.704	0.000	947.858	0.000
	102 - 101		702.648	947.858	0.741	0.000	947.858	0.000
	101 - 100		725.849	947.858	0.766	0.000	947.858	0.000
L11	100 - 99	P36x0.375	749.124	1338.808	0.560	0.000	1338.808	0.000
	99 - 98		772.485	1338.808	0.577	0.000	1338.808	0.000
	98 - 97		795.931	1338.808	0.595	0.000	1338.808	0.000
	97 - 96		819.462	1338.808	0.612	0.000	1338.808	0.000
	96 - 95		843.075	1338.808	0.630	0.000	1338.808	0.000
L12	95 - 94.25 (12)	P36x0.375	861.133	1338.808	0.643	0.000	1338.808	0.000
L13	94.25 - 94 (13)	P36x0.49375	867.158	1816.958	0.477	0.000	1816.958	0.000
L14	94 - 93	P36x0.49375	891.333	1816.958	0.491	0.000	1816.958	0.000
	93 - 92		915.583	1816.958	0.504	0.000	1816.958	0.000
	92 - 91		939.925	1816.958	0.517	0.000	1816.958	0.000
	91 - 90		964.358	1816.958	0.531	0.000	1816.958	0.000
	90 - 89		988.867	1816.958	0.544	0.000	1816.958	0.000
L15	89 - 88	P36x0.49375	1014.608	1816.958	0.558	0.000	1816.958	0.000
	88 - 87		1040.183	1816.958	0.572	0.000	1816.958	0.000
	87 - 86		1065.933	1816.958	0.587	0.000	1816.958	0.000
	86 - 85		1091.867	1816.958	0.601	0.000	1816.958	0.000
	85 - 84		1117.967	1816.958	0.615	0.000	1816.958	0.000
L16	84 - 83	P36x0.49375	1144.158	1816.958	0.630	0.000	1816.958	0.000
	83 - 82		1170.558	1816.958	0.644	0.000	1816.958	0.000
	82 - 81		1197.167	1816.958	0.659	0.000	1816.958	0.000
	81 - 80		1223.983	1816.958	0.674	0.000	1816.958	0.000
L17	80 - 79.75 (17)	P42x0.575	1230.742	2879.408	0.427	0.000	2879.408	0.000
L18	79.75 - 78.75	P42x0.575	1257.908	2879.408	0.437	0.000	2879.408	0.000

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	78.75 - 77.75		1285.300	2879.408	0.446	0.000	2879.408	0.000
	77.75 - 76.75		1312.900	2879.408	0.456	0.000	2879.408	0.000
	76.75 - 75.75		1340.725	2879.408	0.466	0.000	2879.408	0.000
	75.75 - 74.75		1368.758	2879.408	0.475	0.000	2879.408	0.000
L19	74.75 - 73.75	P42x0.575	1397.025	2879.408	0.485	0.000	2879.408	0.000
	73.75 - 72.75		1425.492	2879.408	0.495	0.000	2879.408	0.000
	72.75 - 71.75		1453.975	2879.408	0.505	0.000	2879.408	0.000
	71.75 - 70.75		1482.892	2879.408	0.515	0.000	2879.408	0.000
	70.75 - 69.75		1512.008	2879.408	0.525	0.000	2879.408	0.000
L20	69.75 - 68.75	P42x0.575	1541.300	2879.408	0.535	0.000	2879.408	0.000
	68.75 - 67.75		1570.783	2879.408	0.546	0.000	2879.408	0.000
	67.75 - 66.75		1600.467	2879.408	0.556	0.000	2879.408	0.000
	66.75 - 65.75		1630.358	2879.408	0.566	0.000	2879.408	0.000
	65.75 - 64.75		1660.442	2879.408	0.577	0.000	2879.408	0.000
L21	64.75 - 63.5625	P42x0.575	1696.333	2879.408	0.589	0.000	2879.408	0.000
	63.5625 - 62.375		1732.642	2879.408	0.602	0.000	2879.408	0.000
	62.375 - 61.1875		1769.358	2879.408	0.614	0.000	2879.408	0.000
	61.1875 - 60		1806.492	2879.408	0.627	0.000	2879.408	0.000
L22	60 - 59.75 (22)	P48x0.6125	1814.392	3972.717	0.457	0.000	3972.717	0.000
L23	59.75 - 58.75	P48x0.6125	1846.125	3972.717	0.465	0.000	3972.717	0.000
	58.75 - 57.75		1878.092	3972.717	0.473	0.000	3972.717	0.000
	57.75 - 56.75		1910.292	3972.717	0.481	0.000	3972.717	0.000
	56.75 - 55.75		1942.725	3972.717	0.489	0.000	3972.717	0.000
	55.75 - 54.75		1975.392	3972.717	0.497	0.000	3972.717	0.000
L24	54.75 - 53.75	P48x0.6125	2010.900	3972.717	0.506	0.000	3972.717	0.000
	53.75 - 52.75		2044.467	3972.717	0.515	0.000	3972.717	0.000
	52.75 - 51.75		2078.242	3972.717	0.523	0.000	3972.717	0.000
	51.75 - 50.75		2112.217	3972.717	0.532	0.000	3972.717	0.000
	50.75 - 49.75		2146.392	3972.717	0.540	0.000	3972.717	0.000
L25	49.75 - 48.75	P48x0.6125	2180.550	3972.717	0.549	0.000	3972.717	0.000
	48.75 - 47.75		2215.183	3972.717	0.558	0.000	3972.717	0.000
	47.75 - 46.75		2250.017	3972.717	0.566	0.000	3972.717	0.000
	46.75 - 45.75		2285.067	3972.717	0.575	0.000	3972.717	0.000
	45.75 - 44.75		2320.117	3972.717	0.584	0.000	3972.717	0.000
L26	44.75 - 43.5625	P48x0.6125	2362.158	3972.717	0.595	0.000	3972.717	0.000
	43.5625 - 42.375		2404.525	3972.717	0.605	0.000	3972.717	0.000
	42.375 - 41.1875		2447.200	3972.717	0.616	0.000	3972.717	0.000
	41.1875 - 40		2490.200	3972.717	0.627	0.000	3972.717	0.000
L27	40 - 39.75 (27)	P54x0.65	2499.133	5300.683	0.471	0.000	5300.683	0.000
L28	39.75 - 38.75	P54x0.65	2535.858	5300.683	0.478	0.000	5300.683	0.000
	38.75 - 37.75		2572.808	5300.683	0.485	0.000	5300.683	0.000
	37.75 - 36.75		2609.775	5300.683	0.492	0.000	5300.683	0.000
	36.75 - 35.75		2647.267	5300.683	0.499	0.000	5300.683	0.000
	35.75 - 34.75		2684.983	5300.683	0.507	0.000	5300.683	0.000
L29	34.75 - 33.75	P54x0.65	2722.975	5300.683	0.514	0.000	5300.683	0.000
	33.75 - 32.75		2761.175	5300.683	0.521	0.000	5300.683	0.000
	32.75 - 31.75		2799.575	5300.683	0.528	0.000	5300.683	0.000
	31.75 - 30.75		2838.192	5300.683	0.535	0.000	5300.683	0.000
	30.75 - 29.75		2877.000	5300.683	0.543	0.000	5300.683	0.000
L30	29.75 - 28.75	P54x0.65	2915.917	5300.683	0.550	0.000	5300.683	0.000
	28.75 - 27.75		2955.042	5300.683	0.557	0.000	5300.683	0.000
	27.75 - 26.75		2994.375	5300.683	0.565	0.000	5300.683	0.000
	26.75 - 25.75		3033.925	5300.683	0.572	0.000	5300.683	0.000
	25.75 - 24.75		3073.683	5300.683	0.580	0.000	5300.683	0.000

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Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L31	24.75 - 23.5625	P54x0.65	3120.975	5300.683	0.589	0.000	5300.683	0.000
	23.5625 - 22.375		3168.583	5300.683	0.598	0.000	5300.683	0.000
	22.375 - 21.1875		3216.500	5300.683	0.607	0.000	5300.683	0.000
	21.1875 - 20		3264.733	5300.683	0.616	0.000	5300.683	0.000
L32	20 - 19.75 (32)	P60x0.625	3274.967	6198.183	0.528	0.000	6198.183	0.000
L33	19.75 - 18.75	P60x0.625	3316.058	6198.183	0.535	0.000	6198.183	0.000
	18.75 - 17.75		3357.358	6198.183	0.542	0.000	6198.183	0.000
	17.75 - 16.75		3398.867	6198.183	0.548	0.000	6198.183	0.000
	16.75 - 15.75		3440.592	6198.183	0.555	0.000	6198.183	0.000
	15.75 - 14.75		3482.517	6198.183	0.562	0.000	6198.183	0.000
L34	14.75 - 13.75	P60x0.625	3524.733	6198.183	0.569	0.000	6198.183	0.000
	13.75 - 12.75		3567.133	6198.183	0.576	0.000	6198.183	0.000
	12.75 - 11.75		3609.725	6198.183	0.582	0.000	6198.183	0.000
	11.75 - 10.75		3652.500	6198.183	0.589	0.000	6198.183	0.000
	10.75 - 9.75		3695.458	6198.183	0.596	0.000	6198.183	0.000
L35	9.75 - 8.75	P60x0.625	3738.617	6198.183	0.603	0.000	6198.183	0.000
	8.75 - 7.75		3782.200	6198.183	0.610	0.000	6198.183	0.000
	7.75 - 6.75		3825.942	6198.183	0.617	0.000	6198.183	0.000
	6.75 - 5.75		3869.858	6198.183	0.624	0.000	6198.183	0.000
	5.75 - 4.75		3913.967	6198.183	0.631	0.000	6198.183	0.000
L36	4.75 - 3.5625	P60x0.625	3966.567	6198.183	0.640	0.000	6198.183	0.000
	3.5625 - 2.375		4019.425	6198.183	0.648	0.000	6198.183	0.000
	2.375 - 1.1875		4072.533	6198.183	0.657	0.000	6198.183	0.000
	1.1875 - 0		4125.892	6198.183	0.666	0.000	6198.183	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	147.5 - 146.5	P24x0.375	6.468	315.621	0.020	0.928	655.568	0.001
	146.5 - 145.5		6.560	315.621	0.021	1.588	655.568	0.002
	145.5 - 144.5		6.633	315.621	0.021	1.588	655.568	0.002
	144.5 - 143.5		6.729	315.621	0.021	2.130	655.568	0.003
	143.5 - 142.5		6.801	315.621	0.022	2.130	655.568	0.003
L2	142.5 - 141.5	P24x0.375	6.873	315.621	0.022	2.130	655.568	0.003
	141.5 - 140.5		6.945	315.621	0.022	2.130	655.568	0.003
	140.5 - 139.5		11.512	315.621	0.036	1.588	655.568	0.002
	139.5 - 138.5		11.584	315.621	0.037	1.184	655.568	0.002
	138.5 - 137.5		11.654	315.621	0.037	1.184	655.568	0.002
L3	137.5 - 136.5	P24x0.375	11.724	315.621	0.037	1.184	655.568	0.002
	136.5 - 135.5		11.794	315.621	0.037	1.184	655.568	0.002
	135.5 - 134.5		11.864	315.621	0.038	1.184	655.568	0.002
	134.5 - 133.5		11.968	315.621	0.038	1.396	655.568	0.002
	133.5 - 132.5		12.037	315.621	0.038	1.396	655.568	0.002
L4	132.5 - 131.5	P24x0.375	12.104	315.621	0.038	1.396	655.568	0.002
	131.5 - 130.5		12.172	315.621	0.039	1.396	655.568	0.002
	130.5 - 129.5		15.665	315.621	0.050	1.396	655.568	0.002
	129.5 - 128.5		15.729	315.621	0.050	0.613	655.568	0.001
	128.5 - 127.5		15.984	315.621	0.051	0.896	655.568	0.001
L5	127.5 - 126.25	P24x0.375	16.064	315.621	0.051	0.896	655.568	0.001
	126.25 - 125		16.141	315.621	0.051	0.896	655.568	0.001
L6	125 - 124	P30x0.375	16.220	395.779	0.041	0.896	994.725	0.001

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Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L7	124 - 123	P30x0.375	16.303	395.779	0.041	0.896	994.725	0.001
	123 - 122		16.385	395.779	0.041	0.896	994.725	0.001
	122 - 121		16.466	395.779	0.042	0.896	994.725	0.001
	121 - 120		16.547	395.779	0.042	0.896	994.725	0.001
	120 - 119		16.627	395.779	0.042	0.896	994.725	0.001
	119 - 118		16.707	395.779	0.042	0.896	994.725	0.001
	118 - 117		16.786	395.779	0.042	0.896	994.725	0.001
	117 - 116	P30x0.375	16.864	395.779	0.043	0.896	994.725	0.001
	116 - 115		16.942	395.779	0.043	0.896	994.725	0.001
L8	115 - 114		17.019	395.779	0.043	0.895	994.725	0.001
	114 - 113		17.095	395.779	0.043	0.895	994.725	0.001
	113 - 112		17.170	395.779	0.043	0.895	994.725	0.001
	112 - 111		17.245	395.779	0.044	0.895	994.725	0.001
	111 - 110		17.319	395.779	0.044	0.895	994.725	0.001
L9	110 - 109	P30x0.375	17.392	395.779	0.044	0.895	994.725	0.001
	109 - 108		17.464	395.779	0.044	0.895	994.725	0.001
	108 - 107		17.536	395.779	0.044	0.895	994.725	0.001
	107 - 106		17.607	395.779	0.044	0.895	994.725	0.001
	106 - 105		17.677	395.779	0.045	0.895	994.725	0.001
L10	105 - 104		17.746	395.779	0.045	0.895	994.725	0.001
	104 - 103		17.815	395.779	0.045	0.895	994.725	0.001
	103 - 102	P36x0.375	17.883	395.779	0.045	0.895	994.725	0.001
	102 - 101		23.183	395.779	0.059	1.435	994.725	0.001
L11	101 - 100		23.246	395.779	0.059	1.435	994.725	0.001
	100 - 99		23.328	454.187	0.051	1.435	1094.275	0.001
	99 - 98		23.414	454.187	0.052	1.435	1094.275	0.001
	98 - 97		23.499	454.187	0.052	1.435	1094.275	0.001
	97 - 96		23.584	454.187	0.052	1.435	1094.275	0.001
	96 - 95		23.668	454.187	0.052	1.435	1094.275	0.001
L12	95 - 94.25 (12)	P36x0.375	24.122	454.187	0.053	1.435	1094.275	0.001
L13	94.25 - 94 (13)	P36x0.49375	24.140	624.561	0.039	1.435	1949.658	0.001
L14	94 - 93	P36x0.49375	24.231	624.561	0.039	1.435	1949.658	0.001
	93 - 92		24.317	624.561	0.039	1.435	1949.658	0.001
	92 - 91		24.403	624.561	0.039	1.435	1949.658	0.001
	91 - 90		24.488	624.561	0.039	1.435	1949.658	0.001
	90 - 89		24.573	624.561	0.039	1.434	1949.658	0.001
L15	89 - 88		25.497	624.561	0.041	2.236	1949.658	0.001
	88 - 87		25.674	624.561	0.041	2.236	1949.658	0.001
	87 - 86	P36x0.49375	25.851	624.561	0.041	2.236	1949.658	0.001
	86 - 85		26.026	624.561	0.042	2.235	1949.658	0.001
	85 - 84		26.201	624.561	0.042	2.235	1949.658	0.001
L16	84 - 83		26.411	624.561	0.042	2.235	1949.658	0.001
	83 - 82		26.620	624.561	0.043	2.235	1949.658	0.001
	82 - 81		26.827	624.561	0.043	2.235	1949.658	0.001
	81 - 80		27.033	624.561	0.043	2.235	1949.658	0.001
L17	80 - 79.75 (17)	P42x0.575	27.077	848.581	0.032	2.235	3090.550	0.001
L18	79.75 - 78.75	P42x0.575	27.298	848.581	0.032	2.235	3090.550	0.001
	78.75 - 77.75		27.515	848.581	0.032	2.235	3090.550	0.001
	77.75 - 76.75		27.731	848.581	0.033	2.235	3090.550	0.001
	76.75 - 75.75		27.947	848.581	0.033	2.235	3090.550	0.001
	75.75 - 74.75		28.162	848.581	0.033	2.235	3090.550	0.001
L19	74.75 - 73.75		28.360	848.581	0.033	2.235	3090.550	0.001
	73.75 - 72.75		28.558	848.581	0.034	2.235	3090.550	0.001
	72.75 - 71.75	P42x0.575	28.819	848.581	0.034	2.235	3090.550	0.001
	71.75 - 70.75		29.015	848.581	0.034	2.089	3090.550	0.001
	70.75 - 69.75		29.211	848.581	0.034	2.089	3090.550	0.001
L20	69.75 - 68.75		29.412	848.581	0.035	2.089	3090.550	0.001
	68.75 - 67.75		29.613	848.581	0.035	2.088	3090.550	0.001
	67.75 - 66.75		29.814	848.581	0.035	2.088	3090.550	0.001
	66.75 - 65.75		30.013	848.581	0.035	2.088	3090.550	0.001

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Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L21	65.75 - 64.75	P42x0.575	30.212	848.581	0.036	2.088	3090.550	0.001
	64.75 - 63.5625		30.566	848.581	0.036	2.091	3090.550	0.001
	63.5625 - 62.375		30.916	848.581	0.036	2.094	3090.550	0.001
	62.375 - 61.1875		31.265	848.581	0.037	2.097	3090.550	0.001
	61.1875 - 60		31.611	848.581	0.037	2.100	3090.550	0.001
L22	60 - 59.75 (22)	P48x0.6125	31.656	1034.030	0.031	2.100	4306.692	0.000
L23	59.75 - 58.75	P48x0.6125	31.895	1034.030	0.031	2.100	4306.692	0.000
	58.75 - 57.75		32.129	1034.030	0.031	2.100	4306.692	0.000
	57.75 - 56.75		32.362	1034.030	0.031	2.100	4306.692	0.000
	56.75 - 55.75		32.594	1034.030	0.032	2.100	4306.692	0.000
	55.75 - 54.75		32.826	1034.030	0.032	2.100	4306.692	0.000
L24	54.75 - 53.75	P48x0.6125	33.459	1034.030	0.032	3.295	4306.692	0.001
	53.75 - 52.75		33.664	1034.030	0.033	3.295	4306.692	0.001
	52.75 - 51.75		33.869	1034.030	0.033	3.295	4306.692	0.001
	51.75 - 50.75		34.073	1034.030	0.033	3.295	4306.692	0.001
	50.75 - 49.75		34.276	1034.030	0.033	3.294	4306.692	0.001
L25	49.75 - 48.75	P48x0.6125	34.560	1034.030	0.033	3.294	4306.692	0.001
	48.75 - 47.75		34.766	1034.030	0.034	3.165	4306.692	0.001
	47.75 - 46.75		34.971	1034.030	0.034	3.165	4306.692	0.001
	46.75 - 45.75		35.175	1034.030	0.034	3.165	4306.692	0.001
	45.75 - 44.75		35.455	1034.030	0.034	3.165	4306.692	0.001
L26	44.75 - 43.5625	P48x0.6125	35.729	1034.030	0.035	3.039	4306.692	0.001
	43.5625 - 42.375		35.998	1034.030	0.035	3.038	4306.692	0.001
	42.375 - 41.1875		36.267	1034.030	0.035	3.038	4306.692	0.001
	41.1875 - 40		36.533	1034.030	0.035	3.038	4306.692	0.001
	40 - 39.75 (27)		36.649	1235.410	0.030	3.038	5711.983	0.001
L28	39.75 - 38.75	P54x0.65	36.887	1235.410	0.030	2.913	5711.983	0.001
L29	38.75 - 37.75	P54x0.65	37.118	1235.410	0.030	2.913	5711.983	0.001
	37.75 - 36.75		37.422	1235.410	0.030	2.913	5711.983	0.001
	36.75 - 35.75		37.652	1235.410	0.030	2.782	5711.983	0.000
	35.75 - 34.75		37.882	1235.410	0.031	2.782	5711.983	0.000
	34.75 - 33.75		38.089	1235.410	0.031	2.782	5711.983	0.000
L30	33.75 - 32.75	P54x0.65	38.295	1235.410	0.031	2.782	5711.983	0.000
	32.75 - 31.75		38.501	1235.410	0.031	2.782	5711.983	0.000
	31.75 - 30.75		38.705	1235.410	0.031	2.782	5711.983	0.000
	30.75 - 29.75		38.910	1235.410	0.031	2.782	5711.983	0.000
	29.75 - 28.75		39.124	1235.410	0.032	2.782	5711.983	0.000
L31	28.75 - 27.75	P54x0.65	39.336	1235.410	0.032	2.782	5711.983	0.000
	27.75 - 26.75		39.548	1235.410	0.032	2.782	5711.983	0.000
	26.75 - 25.75		39.760	1235.410	0.032	2.782	5711.983	0.000
	25.75 - 24.75		39.970	1235.410	0.032	2.782	5711.983	0.000
	24.75 - 23.5625		40.238	1235.410	0.033	2.782	5711.983	0.000
L32	23.5625 - 22.375	P60x0.625	40.502	1235.410	0.033	2.782	5711.983	0.000
	22.375 - 21.1875		40.765	1235.410	0.033	2.782	5711.983	0.000
	21.1875 - 20		41.026	1235.410	0.033	2.782	5711.983	0.000
	20 - 19.75 (32)		41.062	1322.050	0.031	2.782	5985.250	0.000
	19.75 - 18.75		41.283	1322.050	0.031	2.782	5985.250	0.000
L33	18.75 - 17.75	P60x0.625	41.495	1322.050	0.031	2.782	5985.250	0.000
	17.75 - 16.75		41.707	1322.050	0.032	2.782	5985.250	0.000
	16.75 - 15.75		41.918	1322.050	0.032	2.782	5985.250	0.000
	15.75 - 14.75		42.128	1322.050	0.032	2.781	5985.250	0.000

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L34	14.75 - 13.75	P60x0.625	42.316	1322.050	0.032	2.781	5985.250	0.000
	13.75 - 12.75		42.503	1322.050	0.032	2.781	5985.250	0.000
	12.75 - 11.75		42.689	1322.050	0.032	2.781	5985.250	0.000
	11.75 - 10.75		42.875	1322.050	0.032	2.781	5985.250	0.000
	10.75 - 9.75		43.060	1322.050	0.033	2.781	5985.250	0.000
L35	9.75 - 8.75	P60x0.625	43.242	1322.050	0.033	2.781	5985.250	0.000
	8.75 - 7.75		43.623	1322.050	0.033	1.606	5985.250	0.000
	7.75 - 6.75		43.804	1322.050	0.033	1.606	5985.250	0.000
	6.75 - 5.75		43.985	1322.050	0.033	1.606	5985.250	0.000
	5.75 - 4.75		44.165	1322.050	0.033	1.606	5985.250	0.000
L36	4.75 - 3.5625	P60x0.625	44.380	1322.050	0.034	1.606	5985.250	0.000
	3.5625 - 2.375		44.592	1322.050	0.034	1.606	5985.250	0.000
	2.375 - 1.1875		44.803	1322.050	0.034	1.606	5985.250	0.000
	1.1875 - 0		45.013	1322.050	0.034	1.606	5985.250	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	147.5 - 146.5	0.005	0.054	0.000	0.020	0.001	0.059	1.050	4.8.2 ✓
	146.5 - 145.5	0.005	0.064	0.000	0.021	0.002	0.069	1.050	4.8.2 ✓
	145.5 - 144.5	0.005	0.074	0.000	0.021	0.002	0.080	1.050	4.8.2 ✓
	144.5 - 143.5	0.005	0.085	0.000	0.021	0.003	0.091	1.050	4.8.2 ✓
	143.5 - 142.5	0.005	0.096	0.000	0.022	0.003	0.102	1.050	4.8.2 ✓
L2	142.5 - 141.5	0.005	0.107	0.000	0.022	0.003	0.113	1.050	4.8.2 ✓
	141.5 - 140.5	0.005	0.118	0.000	0.022	0.003	0.124	1.050	4.8.2 ✓
	140.5 - 139.5	0.009	0.133	0.000	0.036	0.002	0.143	1.050	4.8.2 ✓
	139.5 - 138.5	0.009	0.151	0.000	0.037	0.002	0.162	1.050	4.8.2 ✓
	138.5 - 137.5	0.009	0.170	0.000	0.037	0.002	0.181	1.050	4.8.2 ✓
L3	137.5 - 136.5	0.009	0.189	0.000	0.037	0.002	0.200	1.050	4.8.2 ✓
	136.5 - 135.5	0.009	0.208	0.000	0.037	0.002	0.219	1.050	4.8.2 ✓
	135.5 - 134.5	0.009	0.227	0.000	0.038	0.002	0.238	1.050	4.8.2 ✓
	134.5 - 133.5	0.010	0.246	0.000	0.038	0.002	0.257	1.050	4.8.2 ✓
	133.5 - 132.5	0.010	0.265	0.000	0.038	0.002	0.276	1.050	4.8.2 ✓
L4	132.5 - 131.5	0.010	0.284	0.000	0.038	0.002	0.296	1.050	4.8.2 ✓

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	131.5 - 130.5	0.010	0.304	0.000	0.039	0.002	0.315	1.050	4.8.2 ✓
	130.5 - 129.5	0.013	0.327	0.000	0.050	0.002	0.343	1.050	4.8.2 ✓
	129.5 - 128.5	0.014	0.352	0.000	0.050	0.001	0.368	1.050	4.8.2 ✓
	128.5 - 127.5	0.014	0.378	0.000	0.051	0.001	0.394	1.050	4.8.2 ✓
L5	127.5 - 126.25	0.014	0.410	0.000	0.051	0.001	0.426	1.050	4.8.2 ✓
	126.25 - 125	0.014	0.442	0.000	0.051	0.001	0.459	1.050	4.8.2 ✓
L6	125 - 124	0.011	0.308	0.000	0.041	0.001	0.321	1.050	4.8.2 ✓
	124 - 123	0.012	0.325	0.000	0.041	0.001	0.338	1.050	4.8.2 ✓
	123 - 122	0.012	0.342	0.000	0.041	0.001	0.356	1.050	4.8.2 ✓
	122 - 121	0.012	0.360	0.000	0.042	0.001	0.373	1.050	4.8.2 ✓
	121 - 120	0.012	0.377	0.000	0.042	0.001	0.391	1.050	4.8.2 ✓
L7	120 - 119	0.012	0.394	0.000	0.042	0.001	0.408	1.050	4.8.2 ✓
	119 - 118	0.012	0.412	0.000	0.042	0.001	0.426	1.050	4.8.2 ✓
	118 - 117	0.012	0.430	0.000	0.042	0.001	0.444	1.050	4.8.2 ✓
	117 - 116	0.013	0.447	0.000	0.043	0.001	0.462	1.050	4.8.2 ✓
	116 - 115	0.013	0.465	0.000	0.043	0.001	0.480	1.050	4.8.2 ✓
L8	115 - 114	0.013	0.483	0.000	0.043	0.001	0.498	1.050	4.8.2 ✓
	114 - 113	0.013	0.501	0.000	0.043	0.001	0.516	1.050	4.8.2 ✓
	113 - 112	0.013	0.519	0.000	0.043	0.001	0.534	1.050	4.8.2 ✓
	112 - 111	0.013	0.537	0.000	0.044	0.001	0.553	1.050	4.8.2 ✓
	111 - 110	0.013	0.556	0.000	0.044	0.001	0.571	1.050	4.8.2 ✓
L9	110 - 109	0.013	0.574	0.000	0.044	0.001	0.589	1.050	4.8.2 ✓
	109 - 108	0.014	0.592	0.000	0.044	0.001	0.608	1.050	4.8.2 ✓
	108 - 107	0.014	0.611	0.000	0.044	0.001	0.626	1.050	4.8.2 ✓
	107 - 106	0.014	0.629	0.000	0.044	0.001	0.645	1.050	4.8.2 ✓
	106 - 105	0.014	0.648	0.000	0.045	0.001	0.664	1.050	4.8.2 ✓

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L10	105 - 104	0.014	0.667	0.000	0.045	0.001	0.683	1.050	4.8.2 ✓
	104 - 103	0.014	0.685	0.000	0.045	0.001	0.702	1.050	4.8.2 ✓
	103 - 102	0.014	0.704	0.000	0.045	0.001	0.721	1.050	4.8.2 ✓
	102 - 101	0.017	0.741	0.000	0.059	0.001	0.762	1.050	4.8.2 ✓
	101 - 100	0.017	0.766	0.000	0.059	0.001	0.787	1.050	4.8.2 ✓
L11	100 - 99	0.015	0.560	0.000	0.051	0.001	0.578	1.050	4.8.2 ✓
	99 - 98	0.016	0.577	0.000	0.052	0.001	0.595	1.050	4.8.2 ✓
	98 - 97	0.016	0.595	0.000	0.052	0.001	0.613	1.050	4.8.2 ✓
	97 - 96	0.016	0.612	0.000	0.052	0.001	0.631	1.050	4.8.2 ✓
	96 - 95	0.016	0.630	0.000	0.052	0.001	0.649	1.050	4.8.2 ✓
L12	95 - 94.25 (12)	0.016	0.643	0.000	0.053	0.001	0.663	1.050	4.8.2 ✓
L13	94.25 - 94 (13)	0.012	0.477	0.000	0.039	0.001	0.491	1.050	4.8.2 ✓
L14	94 - 93	0.012	0.491	0.000	0.039	0.001	0.504	1.050	4.8.2 ✓
	93 - 92	0.012	0.504	0.000	0.039	0.001	0.517	1.050	4.8.2 ✓
	92 - 91	0.012	0.517	0.000	0.039	0.001	0.531	1.050	4.8.2 ✓
	91 - 90	0.012	0.531	0.000	0.039	0.001	0.545	1.050	4.8.2 ✓
	90 - 89	0.012	0.544	0.000	0.039	0.001	0.558	1.050	4.8.2 ✓
L15	89 - 88	0.013	0.558	0.000	0.041	0.001	0.573	1.050	4.8.2 ✓
	88 - 87	0.013	0.572	0.000	0.041	0.001	0.587	1.050	4.8.2 ✓
	87 - 86	0.013	0.587	0.000	0.041	0.001	0.601	1.050	4.8.2 ✓
	86 - 85	0.013	0.601	0.000	0.042	0.001	0.616	1.050	4.8.2 ✓
	85 - 84	0.013	0.615	0.000	0.042	0.001	0.630	1.050	4.8.2 ✓
L16	84 - 83	0.014	0.630	0.000	0.042	0.001	0.645	1.050	4.8.2 ✓
	83 - 82	0.014	0.644	0.000	0.043	0.001	0.660	1.050	4.8.2 ✓
	82 - 81	0.014	0.659	0.000	0.043	0.001	0.675	1.050	4.8.2 ✓
	81 - 80	0.014	0.674	0.000	0.043	0.001	0.690	1.050	4.8.2 ✓

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L17	80 - 79.75 (17)	0.011	0.427	0.000	0.032	0.001	0.439	1.050	4.8.2 ✓
L18	79.75 - 78.75	0.011	0.437	0.000	0.032	0.001	0.449	1.050	4.8.2 ✓
	78.75 - 77.75	0.011	0.446	0.000	0.032	0.001	0.458	1.050	4.8.2 ✓
	77.75 - 76.75	0.011	0.456	0.000	0.033	0.001	0.468	1.050	4.8.2 ✓
	76.75 - 75.75	0.011	0.466	0.000	0.033	0.001	0.478	1.050	4.8.2 ✓
	75.75 - 74.75	0.011	0.475	0.000	0.033	0.001	0.488	1.050	4.8.2 ✓
L19	74.75 - 73.75	0.012	0.485	0.000	0.033	0.001	0.498	1.050	4.8.2 ✓
	73.75 - 72.75	0.012	0.495	0.000	0.034	0.001	0.508	1.050	4.8.2 ✓
	72.75 - 71.75	0.012	0.505	0.000	0.034	0.001	0.518	1.050	4.8.2 ✓
	71.75 - 70.75	0.012	0.515	0.000	0.034	0.001	0.528	1.050	4.8.2 ✓
	70.75 - 69.75	0.012	0.525	0.000	0.034	0.001	0.538	1.050	4.8.2 ✓
L20	69.75 - 68.75	0.012	0.535	0.000	0.035	0.001	0.549	1.050	4.8.2 ✓
	68.75 - 67.75	0.012	0.546	0.000	0.035	0.001	0.559	1.050	4.8.2 ✓
	67.75 - 66.75	0.013	0.556	0.000	0.035	0.001	0.570	1.050	4.8.2 ✓
	66.75 - 65.75	0.013	0.566	0.000	0.035	0.001	0.580	1.050	4.8.2 ✓
	65.75 - 64.75	0.013	0.577	0.000	0.036	0.001	0.591	1.050	4.8.2 ✓
L21	64.75 - 63.5625	0.013	0.589	0.000	0.036	0.001	0.604	1.050	4.8.2 ✓
	63.5625 - 62.375	0.014	0.602	0.000	0.036	0.001	0.617	1.050	4.8.2 ✓
	62.375 - 61.1875	0.014	0.614	0.000	0.037	0.001	0.630	1.050	4.8.2 ✓
	61.1875 - 60	0.015	0.627	0.000	0.037	0.001	0.643	1.050	4.8.2 ✓
L22	60 - 59.75 (22)	0.012	0.457	0.000	0.031	0.000	0.470	1.050	4.8.2 ✓
L23	59.75 - 58.75	0.012	0.465	0.000	0.031	0.000	0.478	1.050	4.8.2 ✓
	58.75 - 57.75	0.012	0.473	0.000	0.031	0.000	0.486	1.050	4.8.2 ✓
	57.75 - 56.75	0.012	0.481	0.000	0.031	0.000	0.494	1.050	4.8.2 ✓
	56.75 - 55.75	0.013	0.489	0.000	0.032	0.000	0.503	1.050	4.8.2 ✓
	55.75 - 54.75	0.013	0.497	0.000	0.032	0.000	0.511	1.050	4.8.2 ✓

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L24	54.75 - 53.75	0.013	0.506	0.000	0.032	0.001	0.520	1.050	4.8.2 ✓
	53.75 - 52.75	0.013	0.515	0.000	0.033	0.001	0.529	1.050	4.8.2 ✓
	52.75 - 51.75	0.013	0.523	0.000	0.033	0.001	0.537	1.050	4.8.2 ✓
	51.75 - 50.75	0.013	0.532	0.000	0.033	0.001	0.546	1.050	4.8.2 ✓
	50.75 - 49.75	0.013	0.540	0.000	0.033	0.001	0.555	1.050	4.8.2 ✓
L25	49.75 - 48.75	0.014	0.549	0.000	0.033	0.001	0.564	1.050	4.8.2 ✓
	48.75 - 47.75	0.014	0.558	0.000	0.034	0.001	0.573	1.050	4.8.2 ✓
	47.75 - 46.75	0.014	0.566	0.000	0.034	0.001	0.582	1.050	4.8.2 ✓
	46.75 - 45.75	0.014	0.575	0.000	0.034	0.001	0.590	1.050	4.8.2 ✓
	45.75 - 44.75	0.014	0.584	0.000	0.034	0.001	0.600	1.050	4.8.2 ✓
L26	44.75 - 43.5625	0.015	0.595	0.000	0.035	0.001	0.610	1.050	4.8.2 ✓
	43.5625 - 42.375	0.015	0.605	0.000	0.035	0.001	0.621	1.050	4.8.2 ✓
	42.375 - 41.1875	0.015	0.616	0.000	0.035	0.001	0.632	1.050	4.8.2 ✓
	41.1875 - 40	0.015	0.627	0.000	0.035	0.001	0.644	1.050	4.8.2 ✓
L27	40 - 39.75 (27)	0.013	0.471	0.000	0.030	0.001	0.486	1.050	4.8.2 ✓
L28	39.75 - 38.75	0.013	0.478	0.000	0.030	0.001	0.493	1.050	4.8.2 ✓
	38.75 - 37.75	0.014	0.485	0.000	0.030	0.001	0.500	1.050	4.8.2 ✓
	37.75 - 36.75	0.014	0.492	0.000	0.030	0.001	0.507	1.050	4.8.2 ✓
	36.75 - 35.75	0.014	0.499	0.000	0.030	0.000	0.514	1.050	4.8.2 ✓
	35.75 - 34.75	0.014	0.507	0.000	0.031	0.000	0.522	1.050	4.8.2 ✓
L29	34.75 - 33.75	0.014	0.514	0.000	0.031	0.000	0.529	1.050	4.8.2 ✓
	33.75 - 32.75	0.014	0.521	0.000	0.031	0.000	0.536	1.050	4.8.2 ✓
	32.75 - 31.75	0.014	0.528	0.000	0.031	0.000	0.544	1.050	4.8.2 ✓
	31.75 - 30.75	0.014	0.535	0.000	0.031	0.000	0.551	1.050	4.8.2 ✓
	30.75 - 29.75	0.015	0.543	0.000	0.031	0.000	0.558	1.050	4.8.2 ✓
L30	29.75 - 28.75	0.015	0.550	0.000	0.032	0.000	0.566	1.050	4.8.2 ✓

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	28.75 - 27.75	0.015	0.557	0.000	0.032	0.000	0.573	1.050	4.8.2 ✓
	27.75 - 26.75	0.015	0.565	0.000	0.032	0.000	0.581	1.050	4.8.2 ✓
	26.75 - 25.75	0.015	0.572	0.000	0.032	0.000	0.589	1.050	4.8.2 ✓
	25.75 - 24.75	0.016	0.580	0.000	0.032	0.000	0.596	1.050	4.8.2 ✓
L31	24.75 - 23.5625	0.016	0.589	0.000	0.033	0.000	0.606	1.050	4.8.2 ✓
	23.5625 - 22.375	0.016	0.598	0.000	0.033	0.000	0.615	1.050	4.8.2 ✓
	22.375 - 21.1875	0.016	0.607	0.000	0.033	0.000	0.624	1.050	4.8.2 ✓
	21.1875 - 20	0.017	0.616	0.000	0.033	0.000	0.634	1.050	4.8.2 ✓
L32	20 - 19.75 (32)	0.016	0.528	0.000	0.031	0.000	0.546	1.050	4.8.2 ✓
L33	19.75 - 18.75	0.017	0.535	0.000	0.031	0.000	0.553	1.050	4.8.2 ✓
	18.75 - 17.75	0.017	0.542	0.000	0.031	0.000	0.559	1.050	4.8.2 ✓
	17.75 - 16.75	0.017	0.548	0.000	0.032	0.000	0.566	1.050	4.8.2 ✓
	16.75 - 15.75	0.017	0.555	0.000	0.032	0.000	0.573	1.050	4.8.2 ✓
	15.75 - 14.75	0.017	0.562	0.000	0.032	0.000	0.580	1.050	4.8.2 ✓
L34	14.75 - 13.75	0.017	0.569	0.000	0.032	0.000	0.587	1.050	4.8.2 ✓
	13.75 - 12.75	0.018	0.576	0.000	0.032	0.000	0.594	1.050	4.8.2 ✓
	12.75 - 11.75	0.018	0.582	0.000	0.032	0.000	0.601	1.050	4.8.2 ✓
	11.75 - 10.75	0.018	0.589	0.000	0.032	0.000	0.608	1.050	4.8.2 ✓
	10.75 - 9.75	0.018	0.596	0.000	0.033	0.000	0.615	1.050	4.8.2 ✓
L35	9.75 - 8.75	0.018	0.603	0.000	0.033	0.000	0.622	1.050	4.8.2 ✓
	8.75 - 7.75	0.018	0.610	0.000	0.033	0.000	0.629	1.050	4.8.2 ✓
	7.75 - 6.75	0.018	0.617	0.000	0.033	0.000	0.637	1.050	4.8.2 ✓
	6.75 - 5.75	0.018	0.624	0.000	0.033	0.000	0.644	1.050	4.8.2 ✓
	5.75 - 4.75	0.019	0.631	0.000	0.033	0.000	0.651	1.050	4.8.2 ✓
L36	4.75 - 3.5625	0.019	0.640	0.000	0.034	0.000	0.660	1.050	4.8.2 ✓
	3.5625 - 2.375	0.019	0.648	0.000	0.034	0.000	0.669	1.050	4.8.2 ✓

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 587-4630	Job	Page
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	Project	Date
	Client	Designed by
	Crown Castle	Nithish Acharya

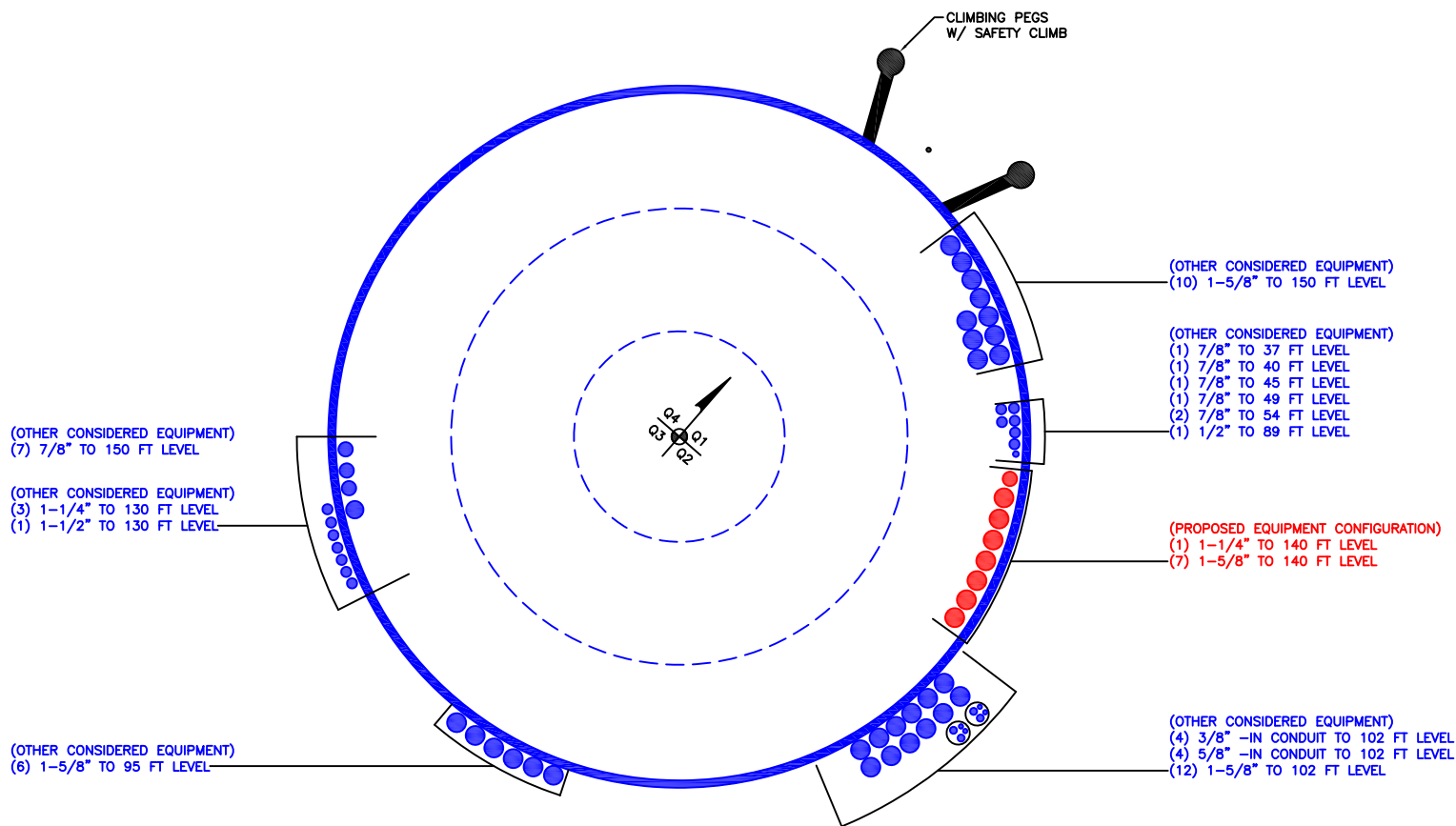
Section No.	Elevation ft	Ratio P_u	Ratio M_{ux}	Ratio M_{uy}	Ratio V_u	Ratio T_u	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
	2.375 - 1.1875	0.019	0.657	0.000	0.034	0.000	0.677	1.050	4.8.2 ✓
	1.1875 - 0	0.019	0.666	0.000	0.034	0.000	0.686	1.050	4.8.2 ✓

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	147.5 - 142.5	Pole	P24x0.375	1	-5.424	1104.673	9.7	Pass
L2	142.5 - 137.5	Pole	P24x0.375	2	-9.500	1104.673	17.2	Pass
L3	137.5 - 132.5	Pole	P24x0.375	3	-10.180	1104.673	26.3	Pass
L4	132.5 - 127.5	Pole	P24x0.375	4	-14.469	1104.673	37.5	Pass
L5	127.5 - 125	Pole	P24x0.375	5	-14.836	1104.673	43.7	Pass
L6	125 - 120	Pole	P30x0.375	6	-15.701	1376.613	37.2	Pass
L7	120 - 115	Pole	P30x0.375	7	-16.573	1376.613	45.7	Pass
L8	115 - 110	Pole	P30x0.375	8	-17.456	1376.613	54.4	Pass
L9	110 - 105	Pole	P30x0.375	9	-18.352	1376.613	63.2	Pass
L10	105 - 100	Pole	P30x0.375	10	-22.730	1376.613	74.9	Pass
L11	100 - 95	Pole	P36x0.375	11	-23.886	1564.605	61.8	Pass
L12	95 - 94.25	Pole	P36x0.375	12	-24.352	1564.605	63.1	Pass
L13	94.25 - 94	Pole	P36x0.49375	13	-24.427	2185.963	46.7	Pass
L14	94 - 89	Pole	P36x0.49375	14	-25.847	2185.963	53.2	Pass
L15	89 - 84	Pole	P36x0.49375	15	-27.573	2185.963	60.0	Pass
L16	84 - 80	Pole	P36x0.49375	16	-30.029	2185.963	65.7	Pass
L17	80 - 79.75	Pole	P42x0.575	17	-30.150	2970.030	41.8	Pass
L18	79.75 - 74.75	Pole	P42x0.575	18	-32.270	2970.030	46.5	Pass
L19	74.75 - 69.75	Pole	P42x0.575	19	-34.149	2970.030	51.3	Pass
L20	69.75 - 64.75	Pole	P42x0.575	20	-36.354	2970.030	56.3	Pass
L21	64.75 - 60	Pole	P42x0.575	21	-41.160	2970.030	61.3	Pass
L22	60 - 59.75	Pole	P48x0.6125	22	-41.326	3619.098	44.7	Pass
L23	59.75 - 54.75	Pole	P48x0.6125	23	-44.174	3619.098	48.7	Pass
L24	54.75 - 49.75	Pole	P48x0.6125	24	-46.488	3619.098	52.8	Pass
L25	49.75 - 44.75	Pole	P48x0.6125	25	-49.198	3619.098	57.1	Pass
L26	44.75 - 40	Pole	P48x0.6125	26	-53.200	3619.098	61.3	Pass
L27	40 - 39.75	Pole	P54x0.65	27	-53.452	4244.646	46.2	Pass
L28	39.75 - 34.75	Pole	P54x0.65	28	-56.593	4244.646	49.7	Pass
L29	34.75 - 29.75	Pole	P54x0.65	29	-59.095	4244.646	53.2	Pass
L30	29.75 - 24.75	Pole	P54x0.65	30	-62.675	4244.646	56.8	Pass
L31	24.75 - 20	Pole	P54x0.65	31	-67.654	4244.646	60.4	Pass
L32	20 - 19.75	Pole	P60x0.625	32	-67.839	4346.107	52.0	Pass
L33	19.75 - 14.75	Pole	P60x0.625	33	-71.353	4346.107	55.3	Pass
L34	14.75 - 9.75	Pole	P60x0.625	34	-74.136	4346.107	58.6	Pass
L35	9.75 - 4.75	Pole	P60x0.625	35	-76.804	4346.107	62.0	Pass
L36	4.75 - 0	Pole	P60x0.625	36	-79.345	4346.107	65.3	Pass
							Summary	
							Pole (L10)	Pass
							RATING =	Pass

**Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C.

APPENDIX B
BASE LEVEL DRAWING



BUSINESS UNIT: 827050

APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 827050
Work Order:



Pole Geometry

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	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	147.5	22.5		0	24	24	0.375		A53-B-42
2	125	25		0	30.00	30	0.375		A53-B-42
3	100	20		0	36.00	36	0.375		A53-B-42
4	80	20		0	42.00	42	0.375		A53-B-42
5	60	20		0	48.00	48	0.375		A53-B-42
6	40	20		0	54.00	54	0.375		A53-B-42
7	20	20		0	60.00	60	0.375		A53-B-42

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	0	20	plate	CCI-AFP-085125	4			60				150					240					330	
2	20	40	plate	CCI-AFP-085125	4			50				140					230					320	
3	40	60	plate	CCI-SFP-065125	4			50				140					230					320	
4	60	80	plate	CCI-SFP-060100	4			50				140					230					320	
5	80	94.25	plate	CCI-SFP-040075	4			50				140					230					320	
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
2	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
3	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
4	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
5	4	0.75	3	0.375	PC 8.8 - M20 (100)	12	PC 8.8 - M20 (100)	12.000	16.000	2.063	1.1875	A572-65

TNX Geometry Input

Increment (ft): [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	147.5 - 142.5	5		0	24.000	24.000	0.375	A53-B-42	1.000
2	142.5 - 137.5	5		0	24.000	24.000	0.375	A53-B-42	1.000
3	137.5 - 132.5	5		0	24.000	24.000	0.375	A53-B-42	1.000
4	132.5 - 127.5	5		0	24.000	24.000	0.375	A53-B-42	1.000
5	127.5 - 125	2.5	0	0	24.000	24.000	0.375	A53-B-42	1.000
6	125 - 120	5		0	30.000	30.000	0.375	A53-B-42	1.000
7	120 - 115	5		0	30.000	30.000	0.375	A53-B-42	1.000
8	115 - 110	5		0	30.000	30.000	0.375	A53-B-42	1.000
9	110 - 105	5		0	30.000	30.000	0.375	A53-B-42	1.000
10	105 - 100	5	0	0	30.000	30.000	0.375	A53-B-42	1.000
11	100 - 95	5		0	36.000	36.000	0.375	A53-B-42	1.000
12	95 - 94.25	0.75		0	36.000	36.000	0.375	A53-B-42	1.000
13	94.25 - 94	0.25		0	36.000	36.000	0.49375	A53-B-42	0.980
14	94 - 89	5		0	36.000	36.000	0.49375	A53-B-42	0.980
15	89 - 84	5		0	36.000	36.000	0.49375	A53-B-42	0.980
16	84 - 80	4	0	0	36.000	36.000	0.49375	A53-B-42	0.980
17	80 - 79.75	0.25		0	42.000	42.000	0.575	A53-B-42	0.976
18	79.75 - 74.75	5		0	42.000	42.000	0.575	A53-B-42	0.976
19	74.75 - 69.75	5		0	42.000	42.000	0.575	A53-B-42	0.976
20	69.75 - 64.75	5		0	42.000	42.000	0.575	A53-B-42	0.976
21	64.75 - 60	4.75	0	0	42.000	42.000	0.575	A53-B-42	0.976
22	60 - 59.75	0.25		0	48.000	48.000	0.6125	A53-B-42	0.972
23	59.75 - 54.75	5		0	48.000	48.000	0.6125	A53-B-42	0.972
24	54.75 - 49.75	5		0	48.000	48.000	0.6125	A53-B-42	0.972
25	49.75 - 44.75	5		0	48.000	48.000	0.6125	A53-B-42	0.972
26	44.75 - 40	4.75	0	0	48.000	48.000	0.6125	A53-B-42	0.972
27	40 - 39.75	0.25		0	54.000	54.000	0.65	A53-B-42	0.970
28	39.75 - 34.75	5		0	54.000	54.000	0.65	A53-B-42	0.970
29	34.75 - 29.75	5		0	54.000	54.000	0.65	A53-B-42	0.970
30	29.75 - 24.75	5		0	54.000	54.000	0.65	A53-B-42	0.970
31	24.75 - 20	4.75	0	0	54.000	54.000	0.65	A53-B-42	0.970
32	20 - 19.75	0.25		0	60.000	60.000	0.625	A53-B-42	0.967
33	19.75 - 14.75	5		0	60.000	60.000	0.625	A53-B-42	0.967
34	14.75 - 9.75	5		0	60.000	60.000	0.625	A53-B-42	0.967
35	9.75 - 4.75	5		0	60.000	60.000	0.625	A53-B-42	0.967
36	4.75 - 0	4.75		0	60.000	60.000	0.625	A53-B-42	0.967

TNX Section Forces

Increment (ft):		TNX Output		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	147.5 - 142.5	5.42	59.88	6.78
2	142.5 - 137.5	9.50	106.11	11.65
3	137.5 - 132.5	10.18	165.27	12.04
4	132.5 - 127.5	14.47	235.48	15.98
5	127.5 - 125	14.84	275.62	16.14
6	125 - 120	15.70	357.30	16.55
7	120 - 115	16.57	441.00	16.94
8	115 - 110	17.46	526.62	17.32
9	110 - 105	18.35	614.07	17.68
10	105 - 100	22.73	725.85	23.25
11	100 - 95	23.89	843.08	23.67
12	95 - 94.25	24.35	861.13	24.12
13	94.25 - 94	24.43	867.16	24.14
14	94 - 89	25.85	988.87	24.57
15	89 - 84	27.57	1117.96	26.20
16	84 - 80	30.03	1223.99	27.03
17	80 - 79.75	30.15	1230.74	27.08
18	79.75 - 74.75	32.27	1368.76	28.16
19	74.75 - 69.75	34.15	1512.01	29.21
20	69.75 - 64.75	36.35	1660.44	30.21
21	64.75 - 60	41.16	1806.49	31.61
22	60 - 59.75	41.33	1814.39	31.66
23	59.75 - 54.75	44.17	1975.39	32.83
24	54.75 - 49.75	46.49	2146.40	34.28
25	49.75 - 44.75	49.20	2320.11	35.46
26	44.75 - 40	53.20	2490.20	36.53
27	40 - 39.75	53.45	2499.13	36.65
28	39.75 - 34.75	56.59	2684.98	37.88
29	34.75 - 29.75	59.10	2877.00	38.91
30	29.75 - 24.75	62.67	3073.68	39.97
31	24.75 - 20	67.65	3264.73	41.03
32	20 - 19.75	67.84	3274.97	41.06
33	19.75 - 14.75	71.35	3482.52	42.13
34	14.75 - 9.75	74.14	3695.46	43.06
35	9.75 - 4.75	76.80	3913.96	44.16
36	4.75 - 0	79.34	4125.89	45.01

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
147.5 - 142.5	Pole	TP24x24x0.375	Pole	9.7%	Pass
142.5 - 137.5	Pole	TP24x24x0.375	Pole	17.2%	Pass
137.5 - 132.5	Pole	TP24x24x0.375	Pole	26.3%	Pass
132.5 - 127.5	Pole	TP24x24x0.375	Pole	37.5%	Pass
127.5 - 125	Pole	TP24x24x0.375	Pole	43.7%	Pass
125 - 120	Pole	TP30x30x0.375	Pole	37.2%	Pass
120 - 115	Pole	TP30x30x0.375	Pole	45.7%	Pass
115 - 110	Pole	TP30x30x0.375	Pole	54.4%	Pass
110 - 105	Pole	TP30x30x0.375	Pole	63.2%	Pass
105 - 100	Pole	TP30x30x0.375	Pole	74.9%	Pass
100 - 95	Pole	TP36x36x0.375	Pole	61.7%	Pass
95 - 94.25	Pole	TP36x36x0.375	Pole	63.1%	Pass
94.25 - 94	Pole + Reinf.	TP36x36x0.4938	Reinf. 5 Tension Rupture	52.0%	Pass
94 - 89	Pole + Reinf.	TP36x36x0.4938	Reinf. 5 Tension Rupture	59.2%	Pass
89 - 84	Pole + Reinf.	TP36x36x0.4938	Reinf. 5 Tension Rupture	66.9%	Pass
84 - 80	Pole + Reinf.	TP36x36x0.4938	Reinf. 5 Tension Rupture	73.2%	Pass
80 - 79.75	Pole + Reinf.	TP42x42x0.575	Pole	43.8%	Pass
79.75 - 74.75	Pole + Reinf.	TP42x42x0.575	Pole	48.7%	Pass
74.75 - 69.75	Pole + Reinf.	TP42x42x0.575	Pole	53.7%	Pass
69.75 - 64.75	Pole + Reinf.	TP42x42x0.575	Pole	59.0%	Pass
64.75 - 60	Pole + Reinf.	TP42x42x0.575	Pole	64.2%	Pass
60 - 59.75	Pole + Reinf.	TP48x48x0.6125	Pole	47.0%	Pass
59.75 - 54.75	Pole + Reinf.	TP48x48x0.6125	Pole	51.2%	Pass
54.75 - 49.75	Pole + Reinf.	TP48x48x0.6125	Pole	55.6%	Pass
49.75 - 44.75	Pole + Reinf.	TP48x48x0.6125	Pole	60.1%	Pass
44.75 - 40	Pole + Reinf.	TP48x48x0.6125	Pole	64.5%	Pass
40 - 39.75	Pole + Reinf.	TP54x54x0.65	Pole	48.8%	Pass
39.75 - 34.75	Pole + Reinf.	TP54x54x0.65	Pole	52.4%	Pass
34.75 - 29.75	Pole + Reinf.	TP54x54x0.65	Pole	56.1%	Pass
29.75 - 24.75	Pole + Reinf.	TP54x54x0.65	Pole	59.9%	Pass
24.75 - 20	Pole + Reinf.	TP54x54x0.65	Pole	63.7%	Pass
20 - 19.75	Pole + Reinf.	TP60x60x0.625	Pole	54.7%	Pass
19.75 - 14.75	Pole + Reinf.	TP60x60x0.625	Pole	58.1%	Pass
14.75 - 9.75	Pole + Reinf.	TP60x60x0.625	Pole	61.7%	Pass
9.75 - 4.75	Pole + Reinf.	TP60x60x0.625	Pole	65.3%	Pass
4.75 - 0	Pole + Reinf.	TP60x60x0.625	Pole	68.8%	Pass
				Summary	
			Pole	74.9%	Pass
			Reinforcement	73.2%	Pass
			Overall	74.9%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity*					
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5
147.5 - 142.5	1942	n/a	1942	27.83	n/a	27.83	9.7%					
142.5 - 137.5	1942	n/a	1942	27.83	n/a	27.83	17.2%					
137.5 - 132.5	1942	n/a	1942	27.83	n/a	27.83	26.3%					
132.5 - 127.5	1942	n/a	1942	27.83	n/a	27.83	37.5%					
127.5 - 125	1942	n/a	1942	27.83	n/a	27.83	43.7%					
125 - 120	3829	n/a	3829	34.90	n/a	34.90	37.2%					
120 - 115	3829	n/a	3829	34.90	n/a	34.90	45.7%					
115 - 110	3829	n/a	3829	34.90	n/a	34.90	54.4%					
110 - 105	3829	n/a	3829	34.90	n/a	34.90	63.2%					
105 - 100	3829	n/a	3829	34.90	n/a	34.90	74.9%					
100 - 95	6659	n/a	6659	41.97	n/a	41.97	61.7%					
95 - 94.25	6659	n/a	6659	41.97	n/a	41.97	63.1%					
94.25 - 94	6659	2034	8693	41.97	12.00	53.97	48.5%					52.0%
94 - 89	6659	2034	8693	41.97	12.00	53.97	55.2%					59.2%
89 - 84	6659	2034	8693	41.97	12.00	53.97	62.3%					66.9%
84 - 80	6659	2034	8693	41.97	12.00	53.97	68.2%					73.2%
80 - 79.75	10622	5584	16206	49.04	24.00	73.04	43.8%				40.3%	
79.75 - 74.75	10622	5584	16206	49.04	24.00	73.04	48.7%				44.8%	
74.75 - 69.75	10622	5584	16206	49.04	24.00	73.04	53.7%				49.5%	
69.75 - 64.75	10622	5584	16206	49.04	24.00	73.04	59.0%				54.3%	
64.75 - 60	10622	5584	16206	49.04	24.00	73.04	64.2%				59.1%	
60 - 59.75	15908	9913	25821	56.11	32.50	88.61	47.0%			42.0%		
59.75 - 54.75	15908	9913	25821	56.11	32.50	88.61	51.2%			45.7%		
54.75 - 49.75	15908	9913	25821	56.11	32.50	88.61	55.6%			49.6%		
49.75 - 44.75	15908	9913	25821	56.11	32.50	88.61	60.1%			53.6%		
44.75 - 40	15908	9913	25821	56.11	32.50	88.61	64.5%			57.5%		
40 - 39.75	22710	16347	39057	63.18	42.50	105.68	48.8%		40.8%			
39.75 - 34.75	22710	16347	39057	63.18	42.50	105.68	52.4%		43.8%			
34.75 - 29.75	22710	16347	39057	63.18	42.50	105.68	56.1%		46.9%			
29.75 - 24.75	22710	16347	39057	63.18	42.50	105.68	59.9%		50.1%			
24.75 - 20	22710	16347	39057	63.18	42.50	105.68	63.7%		53.2%			
20 - 19.75	31217	20061	51278	70.24	42.50	112.74	54.7%	45.2%				
19.75 - 14.75	31217	20061	51278	70.24	42.50	112.74	58.1%	48.1%				
14.75 - 9.75	31217	20061	51278	70.24	42.50	112.74	61.7%	51.0%				
9.75 - 4.75	31217	20061	51278	70.24	42.50	112.74	65.3%	54.0%				
4.75 - 0	31217	20061	51278	70.24	42.50	112.74	68.8%	56.9%				

Note: Section capacity checked using 5 degree increments.
Rating per TIA-222-H Section 15.5.

PROJECT	140124.003.01 - Rocky Hill/ Rte 160_1, CT
SUBJECT	Bolted Bridge Stiffeners at 80'
DATE	05-12-21



v2.4.1

General	
TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes
Analysis/Design	Analysis
Modification Qty	1
Loads	
Moment	1224.0 k-ft
Axial	30.0 k
Shear	27.0 k

Pole Properties		
Upper Diameter		36.0 in
Upper Thickness		0.375 in
Lower Diameter		42.0 in
Lower Thickness		0.375 in
Grade		Custom
Fy	42	42 ksi
Fu	63	63 ksi

Flange Bolt Properties		
Qty		28
Diameter	1	in
Circle		39.0 in

Results Summary					
Checks		Capacity	Demand	Rating	Result
Mod 1	Plate Compression	262.1	215.1	78.1%	Pass
	Plate Tension	285.0	215.1	71.9%	Pass
Blind Bolts	Shear Only	37.0	17.9	46.1%	Pass
	Eccentric Shear	30.8	12.7	39.1%	Pass
	Tension	32.9	3.5	10.1%	Pass
	Combined Shear & Tens.	--	--	17.1%	Pass
	Bearing in Pole	47.6	12.7	25.3%	Pass
	Pull Out	49.1	3.5	6.8%	Pass
Shim Weld Strength		934.9	215.1	21.9%	Pass

Bridge Stiffener Properties			
Mod ID #	Mod 1	N/A	N/A
Type	Plate		
Qty	4		
Configuration	Symmetric		
Thickness	1.00 in		
Width	6.00 in		
Channel Part Number			
Diameter to Mod Centroid	43.0 in		
Unbraced Length	16.0 in		
Plate Grade	A572-65		
Fy	65 ksi		
Fu	80 ksi		
Eccentric Bolt Qty	17		
Shear-Only Bolt Qty	12		
Bolt Spacing	3.00 in		
Eccentricity	3.50 in		
Bolt Diameter	20 mm		
Shim Plate Length	56.0 in		
Shim Thickness	3 in		
Shim Weld Electrode	E70XX		
Shim Fillet Weld Size	3/8 in		

Considered Loads at 80 ft				
Load Type	Flange*	Bridge Stiffeners		
		Mod 1		
Moment	448.1 k-ft	775.8 k-ft		
Axial	30.0 k	0.0 k		
Shear	27.0 k	0.0 k		

*See flange tool for flange bolt and plate capacities

PROJECT	140124.003.01 - Rocky Hill/ Rte 160_1, CT
SUBJECT	Bolted Bridge Stiffeners at 60'
DATE	05-12-21



v2.4.1

General	
TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes
Analysis/Design	Analysis
Modification Qty	1
Lloads Moment	1806.5 k-ft
Axial	41.2 k
Shear	31.6 k

Pole Properties	
Upper Diameter	42.0 in
Upper Thickness	0.375 in
Lower Diameter	48.0 in
Lower Thickness	0.375 in
Grade	Custom
Fy	42 ksi
Fu	63 ksi

Flange Bolt Properties	
Qty	32
Diameter	1 in
Circle	45.0 in

Results Summary					
Checks		Capacity	Demand	Rating	Result
Mod 1	Plate Compression	365.2	292.7	76.3%	Pass
	Plate Tension	393.8	292.7	70.8%	Pass
Blind Bolts	Shear Only	30.8	19.5	60.3%	Pass
	Eccentric Shear	30.8	13.9	43.1%	Pass
	Tension	32.9	3.2	9.3%	Pass
	Combined Shear & Tens.	--	--	20.4%	Pass
	Bearing in Pole	47.6	13.9	27.9%	Pass
	Pull Out	49.1	3.2	6.2%	Pass
Shim Weld Strength		1135.3	292.7	24.6%	Pass

Bridge Stiffener Properties			
Mod ID #	Mod 1	N/A	N/A
Type	Plate		
Qty	4		
Configuration	Symmetric		
Thickness	1.25 in		
Width	6.50 in		
Channel Part Number			
Diameter to Mod Centroid	49.3 in		
Unbraced Length	19.0 in		
Plate Grade	A572-65		
Fy	65 ksi		
Fu	80 ksi		
Eccentric Bolt Qty	21		
Shear-Only Bolt Qty	15		
Bolt Spacing	3.00 in		
Eccentricity	3.63 in		
Bolt Diameter	20 mm		
Shim Plate Length	68.0 in		
Shim Thickness	3 in		
Shim Weld Electrode	E70XX		
Shim Fillet Weld Size	3/8 in		

Considered Loads at 60 ft				
Load Type	Flange*	Bridge Stiffeners		
		Mod 1		
Moment	598.2 k-ft	1208.3 k-ft		
Axial	41.2 k	0.0 k		
Shear	31.6 k	0.0 k		

*See flange tool for flange bolt and plate capacities

PROJECT	140124.003.01 - Rocky Hill/ Rte 160_1, CT
SUBJECT	Bolted Bridge Stiffeners at 40'
DATE	05-12-21



v2.4.1

General	
TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes
Analysis/Design	Analysis
Modification Qty	1
Lloads Moment	2490.2 k-ft
Axial	53.2 k
Shear	36.5 k

Pole Properties	
Upper Diameter	48.0 in
Upper Thickness	0.375 in
Lower Diameter	54.0 in
Lower Thickness	0.375 in
Grade	Custom
Fy	42 42 ksi
Fu	63 63 ksi

Flange Bolt Properties	
Qty	36
Diameter	1 in
Circle	51.0 in

Results Summary					
Checks		Capacity	Demand	Rating	Result
Mod 1	Plate Compression	365.2	343.1	89.5%	Pass
	Plate Tension	393.8	343.1	83.0%	Pass
Blind Bolts	Shear Only	30.8	22.9	70.7%	Pass
	Eccentric Shear	30.8	16.3	50.5%	Pass
	Tension	32.9	3.8	10.9%	Pass
	Combined Shear & Tens.	--	--	28.0%	Pass
	Bearing in Pole	47.6	16.3	32.7%	Pass
	Pull Out	49.1	3.8	7.3%	Pass
Shim Weld Strength		1135.3	343.1	28.8%	Pass

Bridge Stiffener Properties			
Mod ID #	Mod 1	N/A	N/A
Type	Plate		
Qty	4		
Configuration	Symmetric		
Thickness	1.25 in		
Width	6.50 in		
Channel Part Number			
Diameter to Mod Centroid	55.3 in		
Unbraced Length	19.0 in		
Plate Grade	A572-65		
Fy	65 ksi		
Fu	80 ksi		
Eccentric Bolt Qty	21		
Shear-Only Bolt Qty	15		
Bolt Spacing	3.00 in		
Eccentricity	3.63 in		
Bolt Diameter	20 mm		
Shim Plate Length	68.0 in		
Shim Thickness	3 in		
Shim Weld Electrode	E70XX		
Shim Fillet Weld Size	3/8 in		

Considered Loads at 40 ft				
Load Type	Flange*	Bridge Stiffeners		
		Mod 1		
Moment	903.2 k-ft	1587.0 k-ft		
Axial	53.2 k	0.0 k		
Shear	36.5 k	0.0 k		

*See flange tool for flange bolt and plate capacities

PROJECT	140124.003.01 - Rocky Hill/ Rte 160_1, CT
SUBJECT	Bolted Bridge Stiffeners at 20'
DATE	05-12-21



v2.4.1

General	
TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes
Analysis/Design	Analysis
Modification Qty	1
Lloads Moment	3264.7 k-ft
Axial	67.7 k
Shear	41.0 k

Pole Properties	
Upper Diameter	54.0 in
Upper Thickness	0.375 in
Lower Diameter	60.0 in
Lower Thickness	0.375 in
Grade	Custom
Fy	42 42 ksi
Fu	63 63 ksi

Flange Bolt Properties	
Qty	48
Diameter	1 in
Circle	57.0 in

Results Summary					
Checks		Capacity	Demand	Rating	Result
Mod 1	Plate Compression	503.3	400.0	75.7%	Pass
	Plate Tension	543.8	400.0	70.1%	Pass
Blind Bolts	Shear Only	30.8	19.0	58.9%	Pass
	Eccentric Shear	30.8	16.0	49.4%	Pass
	Tension	32.9	3.1	9.0%	Pass
	Combined Shear & Tens.	--	--	26.5%	Pass
	Bearing in Pole	47.6	16.0	32.0%	Pass
	Pull Out	49.1	3.1	6.0%	Pass
Shim Weld Strength		1335.6	400.0	28.5%	Pass

Bridge Stiffener Properties			
Mod ID #	Mod 1	N/A	N/A
Type	Plate		
Qty	4		
Configuration	Symmetric		
Thickness	1.25 in		
Width	8.50 in		
Channel Part Number			
Diameter to Mod Centroid	61.3 in		
Unbraced Length	17.0 in		
Plate Grade	A572-65		
Fy	65 ksi		
Fu	80 ksi		
Eccentric Bolt Qty	25		
Shear-Only Bolt Qty	21		
Bolt Spacing	3.00 in		
Eccentricity	3.63 in		
Bolt Diameter	20 mm		
Shim Plate Length	80.0 in		
Shim Thickness	3 in		
Shim Weld Electrode	E70XX		
Shim Fillet Weld Size	3/8 in		

Considered Loads at 20 ft				
Load Type	Flange*	Bridge Stiffeners		
		Mod 1		
Moment	1209.8 k-ft	2055.0 k-ft		
Axial	67.7 k	0.0 k		
Shear	41.0 k	0.0 k		

*See flange tool for flange bolt and plate capacities

Monopole Flange Plate Connection

Elevation = 125 ft.

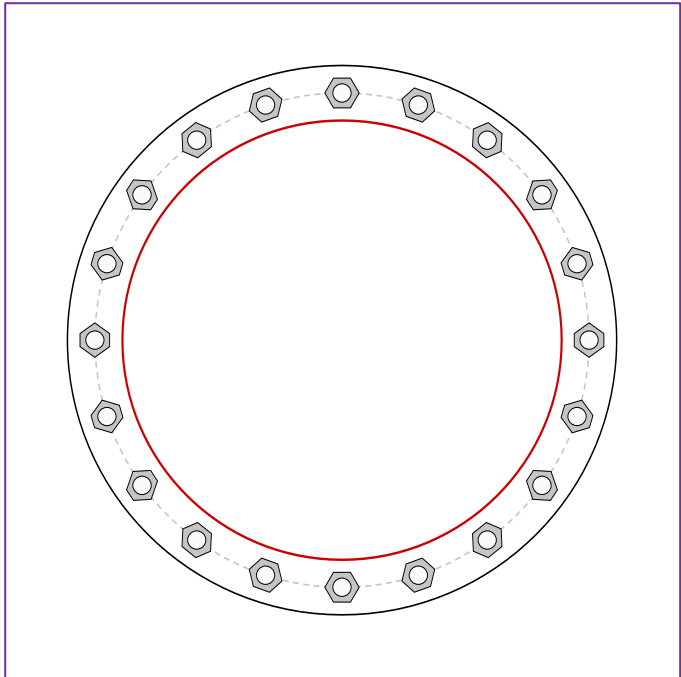


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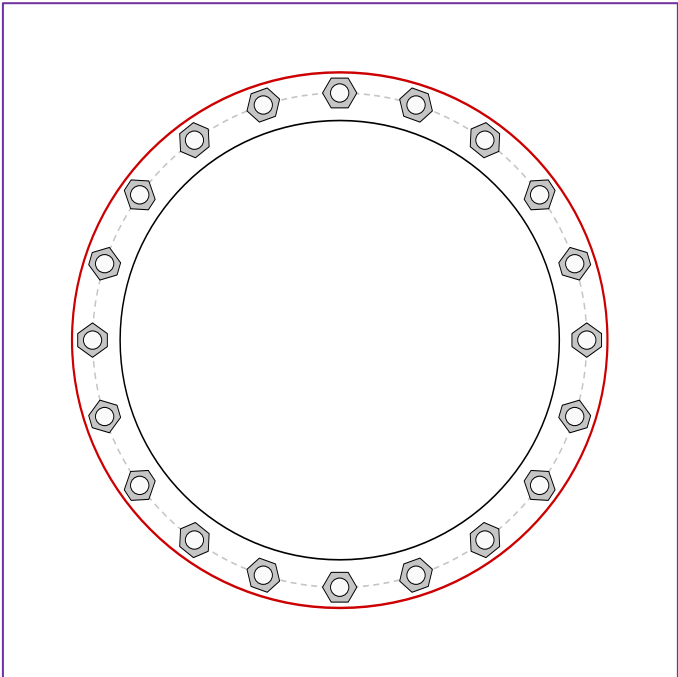
Applied Loads	
Moment (kip-ft)	275.62
Axial Force (kips)	14.84
Shear Force (kips)	16.14

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(20) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 27" BC

Top Plate Data

30" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

24" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

24" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

30" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	23.74
Allowable (kips)	54.53
Stress Rating:	41.5% Pass

Top Plate Capacity

Max Stress (ksi):	16.18	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	47.6%	Pass
Tension Side Stress Rating:	17.1%	Pass

Bottom Plate Capacity

Max Stress (ksi):	15.81	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	46.5%	Pass
Tension Side Stress Rating:	N/A	

Monopole Flange Plate Connection

Elevation = 100 ft.

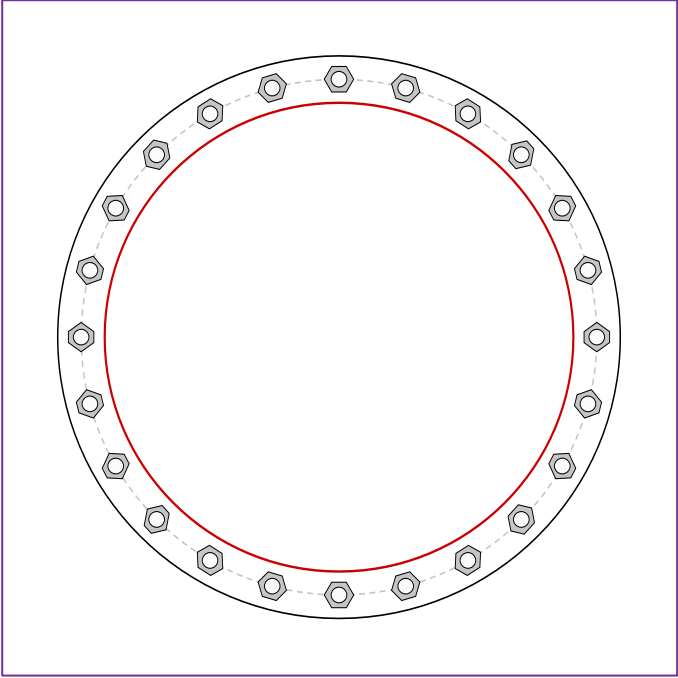


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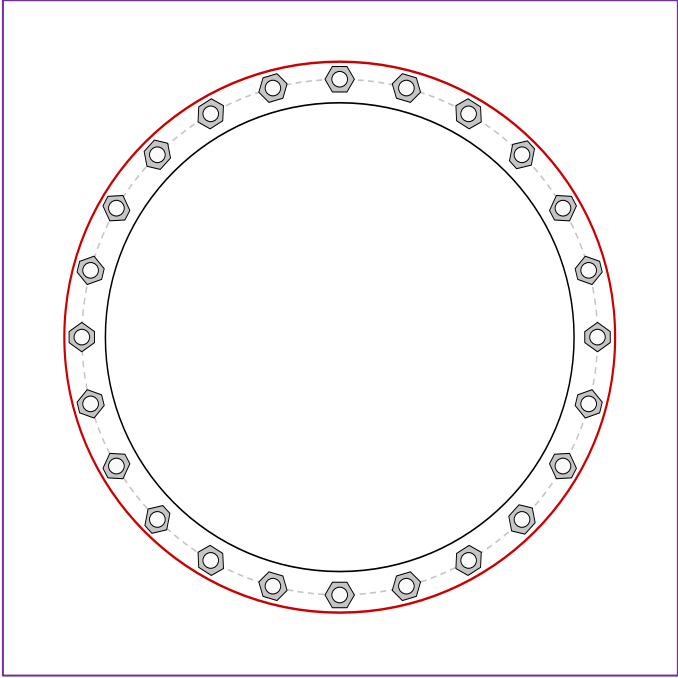
Applied Loads	
Moment (kip-ft)	725.85
Axial Force (kips)	22.73
Shear Force (kips)	23.25

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties	
Bolt Data	

(24) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 33" BC

Top Plate Data	
36" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)	

Top Stiffener Data	
N/A	

Top Pole Data	
30" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)	

Bottom Plate Data	
30" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)	

Bottom Stiffener Data	
N/A	

Bottom Pole Data	
36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)	

Analysis Results	
Bolt Capacity	

Max Load (kips)	43.03
Allowable (kips)	54.52
Stress Rating:	75.2% Pass

Top Plate Capacity			
Max Stress (ksi):	27.71	(Flexural)	
Allowable Stress (ksi):	32.40		
Stress Rating:	81.5%	Pass	
Tension Side Stress Rating:	29.6%	Pass	

Bottom Plate Capacity			
Max Stress (ksi):	28.04	(Flexural)	
Allowable Stress (ksi):	32.40		
Stress Rating:	82.4%	Pass	
Tension Side Stress Rating:	N/A		

Monopole Flange Plate Connection

Elevation = 80 ft.

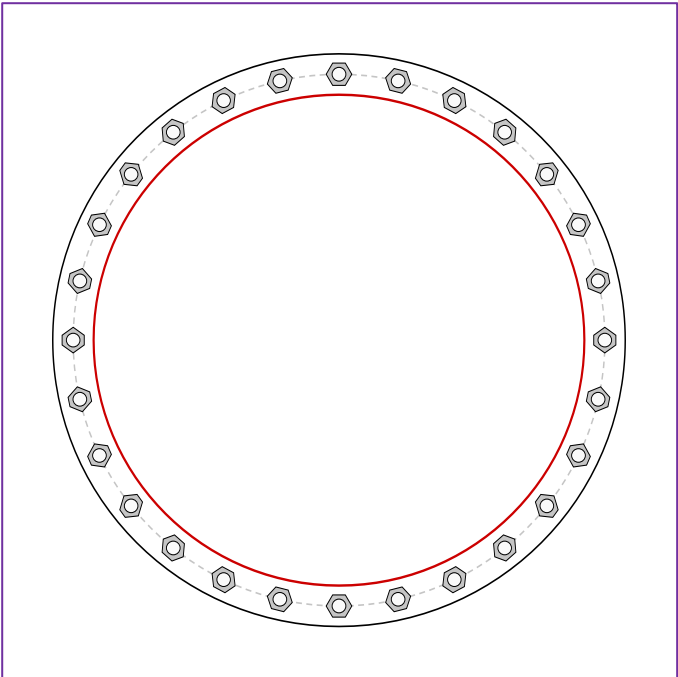


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Site Name	Rocky Hill/ Rte 160 _1, C
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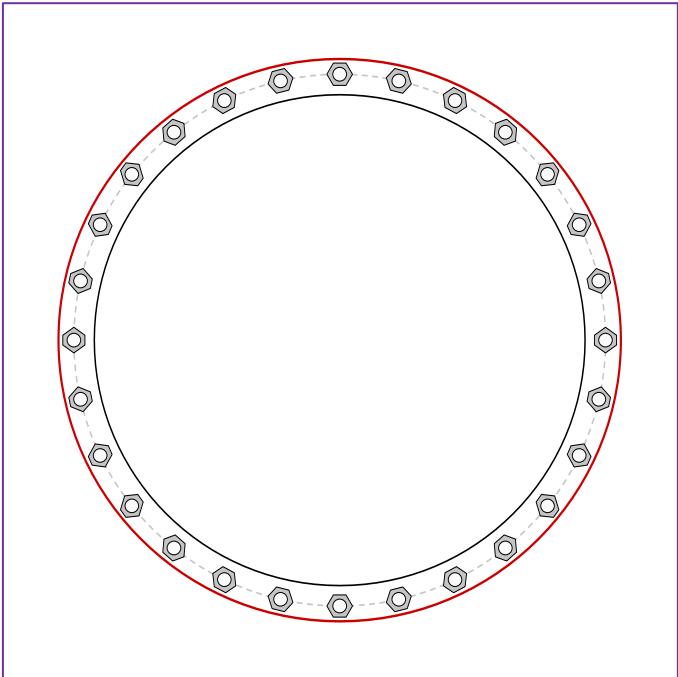
Applied Loads	
Moment (kip-ft)	448.10
Axial Force (kips)	30.00
Shear Force (kips)	27.00

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(28) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

42" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

36" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	18.62
Allowable (kips)	54.52
Stress Rating:	32.5% Pass

Top Plate Capacity

Max Stress (ksi):	12.43	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	36.5%	Pass
Tension Side Stress Rating:	12.4%	Pass

Bottom Plate Capacity

Max Stress (ksi):	12.92	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	38.0%	Pass
Tension Side Stress Rating:	N/A	

Monopole Flange Plate Connection

Elevation = 60 ft.

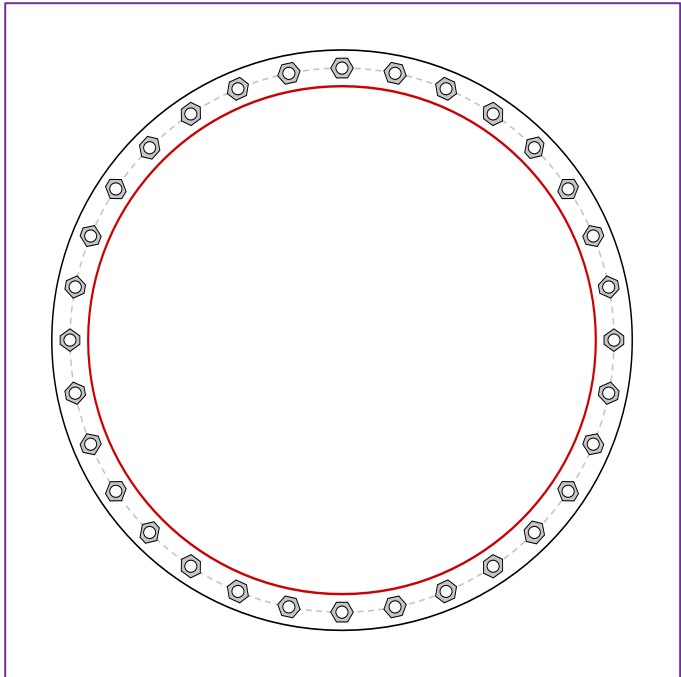


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Site Name	Rocky Hill/ Rte 160 _1, C
Order #	568276, Rev. 0
TIA-222 Revision	H

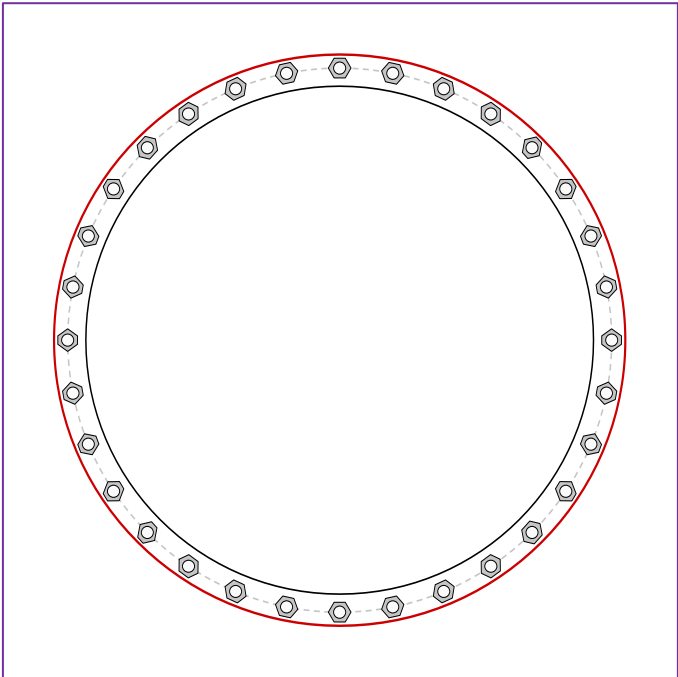
Applied Loads	
Moment (kip-ft)	598.20
Axial Force (kips)	41.20
Shear Force (kips)	31.60

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(32) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

48" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

42" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	18.65
Allowable (kips)	54.52
Stress Rating:	32.6% Pass

Top Plate Capacity

Max Stress (ksi):	12.75	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	37.5%	Pass
Tension Side Stress Rating:	12.1%	Pass

Bottom Plate Capacity

Max Stress (ksi):	13.18	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	38.7%	Pass
Tension Side Stress Rating:	N/A	

Monopole Flange Plate Connection

Elevation = 40 ft.

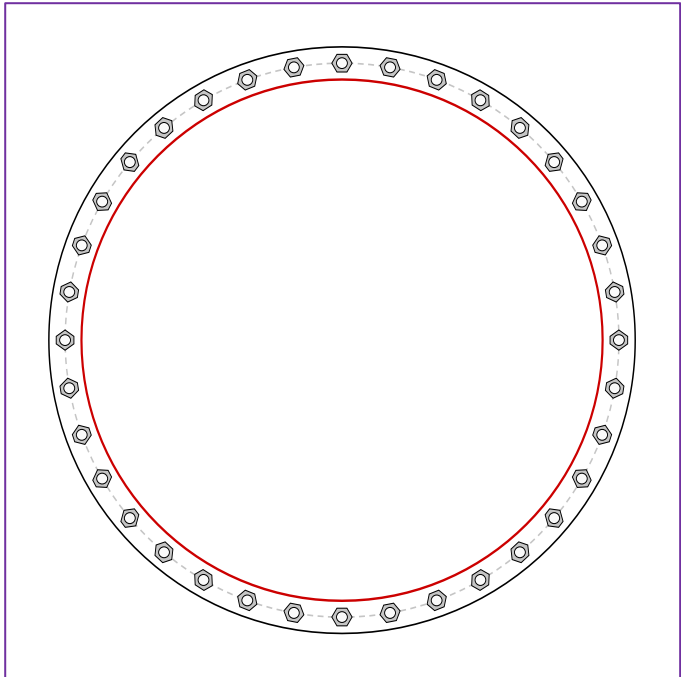


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Site Name	Rocky Hill/ Rte 160 _1, C
Order #	568276, Rev. 0
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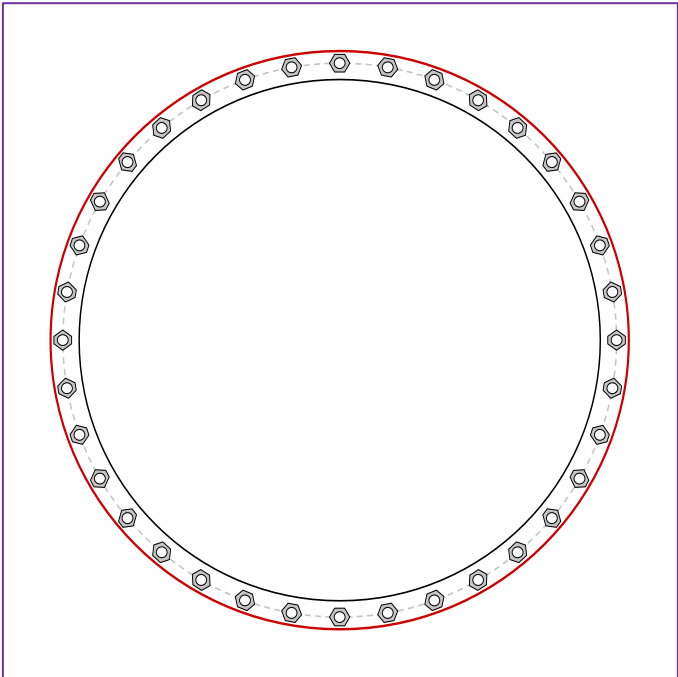
Applied Loads	
Moment (kip-ft)	903.20
Axial Force (kips)	53.20
Shear Force (kips)	36.50

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(36) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 51" BC

Top Plate Data

54" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

48" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	22.13
Allowable (kips)	54.52
Stress Rating:	38.7% Pass

Top Plate Capacity

Max Stress (ksi):	14.97	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	44.0%	Pass
Tension Side Stress Rating:	14.1%	Pass

Bottom Plate Capacity

Max Stress (ksi):	15.55	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	45.7%	Pass
Tension Side Stress Rating:	N/A	

Monopole Flange Plate Connection

Elevation = 20 ft.

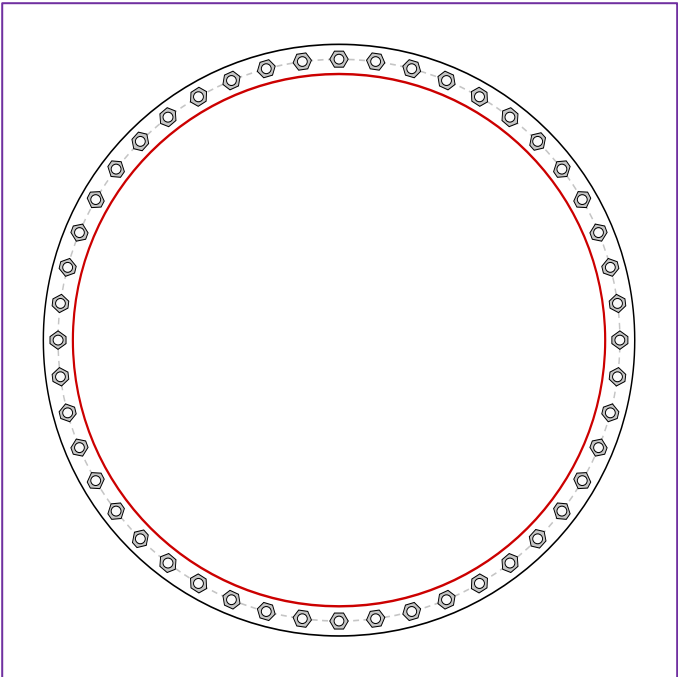


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Site Name	Rocky Hill/ Rte 160_1, C
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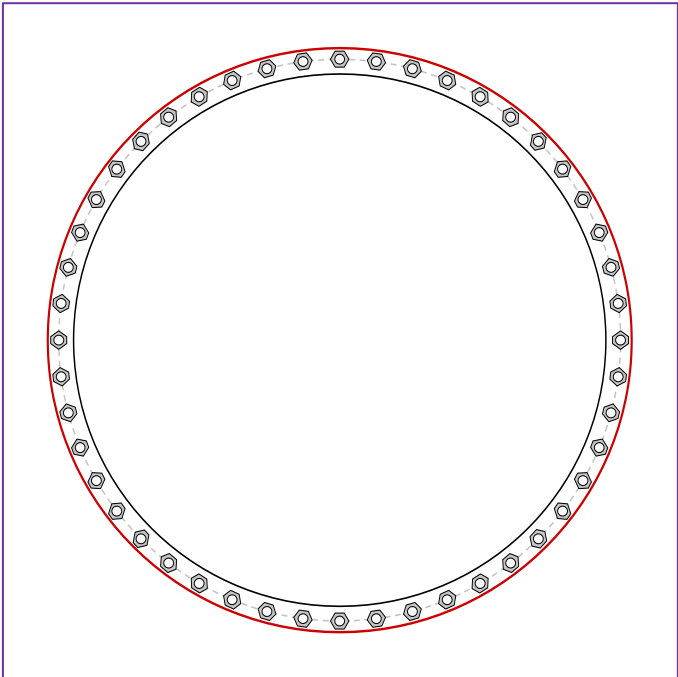
Applied Loads	
Moment (kip-ft)	1209.80
Axial Force (kips)	67.70
Shear Force (kips)	41.00

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(48) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

60" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Top Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	19.81
Allowable (kips)	54.52
Stress Rating:	34.6% Pass

Top Plate Capacity

Max Stress (ksi):	15.93	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	46.8%	Pass
Tension Side Stress Rating:	15.4%	Pass

Bottom Plate Capacity

Max Stress (ksi):	16.81	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	49.4%	Pass
Tension Side Stress Rating:	N/A	

Monopole Base Plate Connection

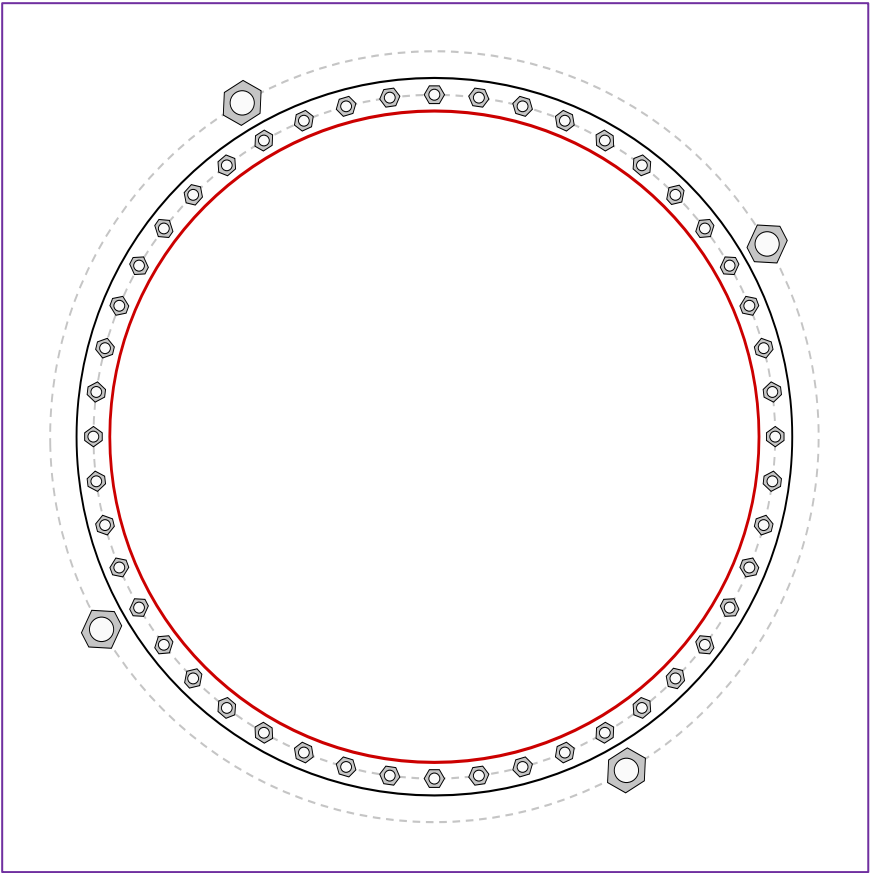


Site Info	
BU #	827050
Site Name	Rocky Hill/ Rte 160_1, C
Order #	568276, Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
l _{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	4125.89
Axial Force (kips)	79.34
Shear Force (kips)	45.01

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
GROUP 1: (48) 1" ϕ bolts (A687 N; F _y =105 ksi, F _u =125 ksi) on 63" BC		GROUP 1:	
GROUP 2: (4) 2-1/4" ϕ bolts (Williams R71 N N; F _y =127.7 ksi, F _u =125 ksi) on 71" BC		Pu _t = 40.11	ϕ Pn _t = 56.81 Stress Rating
Base Plate Data		Vu = 0.94	ϕ Vn = 36.82 67.2%
66.125" OD x 1.25" Plate (A36; F _y =36 ksi, F _u =58 ksi)		Mu = n/a	ϕ Mn = n/a Pass
Stiffener Data		GROUP 2:	
N/A		Pu _t = 252.45	ϕ Pn _t = 304.69 Stress Rating
Pole Data		Vu = 0	ϕ Vn = 186.38 78.9%
60" x 0.375" round pole (A53-B-42; F _y =42 ksi, F _u =63 ksi)		Mu = n/a	ϕ Mn = n/a Pass
		Base Plate Summary	
		Max Stress (ksi):	27.58 (Flexural)
		Allowable Stress (ksi):	32.4
		Stress Rating:	81.1% Pass

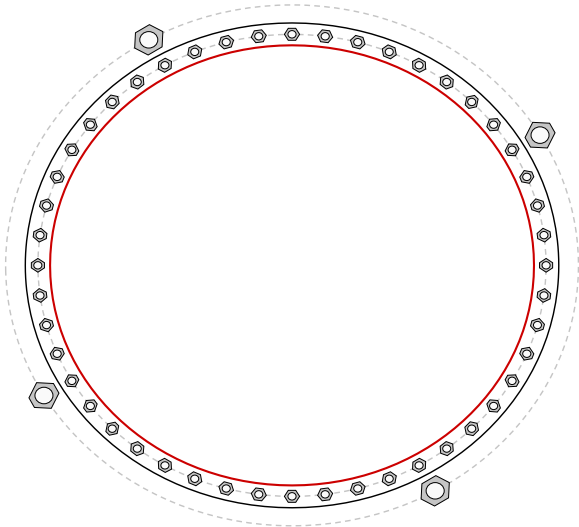
Elevation (ft) 0 (Base)

note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	No	No	
2	No	No	No	No	No	

Custom Bolt Connection										
Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η :	I_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1	A687	63	0.5	0	N-Included		No
2	1	7.5	1	A687	63	0.5	0	N-Included		No
3	1	15	1	A687	63	0.5	0	N-Included		No
4	1	22.5	1	A687	63	0.5	0	N-Included		No
5	1	30	1	A687	63	0.5	0	N-Included		No
6	1	37.5	1	A687	63	0.5	0	N-Included		No
7	1	45	1	A687	63	0.5	0	N-Included		No
8	1	52.5	1	A687	63	0.5	0	N-Included		No
9	1	60	1	A687	63	0.5	0	N-Included		No
10	1	67.5	1	A687	63	0.5	0	N-Included		No
11	1	75	1	A687	63	0.5	0	N-Included		No
12	1	82.5	1	A687	63	0.5	0	N-Included		No
13	1	90	1	A687	63	0.5	0	N-Included		No
14	1	97.5	1	A687	63	0.5	0	N-Included		No
15	1	105	1	A687	63	0.5	0	N-Included		No
16	1	112.5	1	A687	63	0.5	0	N-Included		No
17	1	120	1	A687	63	0.5	0	N-Included		No
18	1	127.5	1	A687	63	0.5	0	N-Included		No
19	1	135	1	A687	63	0.5	0	N-Included		No
20	1	142.5	1	A687	63	0.5	0	N-Included		No
21	1	150	1	A687	63	0.5	0	N-Included		No
22	1	157.5	1	A687	63	0.5	0	N-Included		No
23	1	165	1	A687	63	0.5	0	N-Included		No
24	1	172.5	1	A687	63	0.5	0	N-Included		No
25	1	180	1	A687	63	0.5	0	N-Included		No
26	1	187.5	1	A687	63	0.5	0	N-Included		No
27	1	195	1	A687	63	0.5	0	N-Included		No
28	1	202.5	1	A687	63	0.5	0	N-Included		No
29	1	210	1	A687	63	0.5	0	N-Included		No
30	1	217.5	1	A687	63	0.5	0	N-Included		No
31	1	225	1	A687	63	0.5	0	N-Included		No
32	1	232.5	1	A687	63	0.5	0	N-Included		No
33	1	240	1	A687	63	0.5	0	N-Included		No
34	1	247.5	1	A687	63	0.5	0	N-Included		No
35	1	255	1	A687	63	0.5	0	N-Included		No
36	1	262.5	1	A687	63	0.5	0	N-Included		No
37	1	270	1	A687	63	0.5	0	N-Included		No
38	1	277.5	1	A687	63	0.5	0	N-Included		No
39	1	285	1	A687	63	0.5	0	N-Included		No
40	1	292.5	1	A687	63	0.5	0	N-Included		No
41	1	300	1	A687	63	0.5	0	N-Included		No
42	1	307.5	1	A687	63	0.5	0	N-Included		No
43	1	315	1	A687	63	0.5	0	N-Included		No
44	1	322.5	1	A687	63	0.5	0	N-Included		No
45	1	330	1	A687	63	0.5	0	N-Included		No
46	1	337.5	1	A687	63	0.5	0	N-Included		No
47	1	345	1	A687	63	0.5	0	N-Included		No
48	1	352.5	1	A687	63	0.5	0	N-Included		No
49	2	30	2.25	Williams R71 N	71	0.5	0	N-Included		No
50	2	120	2.25	Williams R71 N	71	0.5	0	N-Included		No
51	2	210	2.25	Williams R71 N	71	0.5	0	N-Included		No
52	2	300	2.25	Williams R71 N	71	0.5	0	N-Included		No

Plot Graphic



PROJECT **140124.003.01 - Rocky Hill/ Rte 160_1, CT**SUBJECT **Anchor Rod Bracket Analysis**DATE **05-12-21**

TIA-222 Rev.

H

v4.6.1

Apply TIA-222-H Section 15.5?

Yes



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

Analysis Criteria

Design/Analysis	Analysis
Load Type	Current Load
Current load	252.45 kips
AR Capacity	457.0 kips

Tower Type **Monopole****Manufacturers Tower Prop.**

Pole Thickness		0.375 in
Pole Grade		Custom
Fy	42	42 ksi
Fu	63	63 ksi

Base Plate Gr. **A36**

Fy	36 ksi
Fu	58 ksi

Post-Installed Adhesive AR Mod.

ARB Type	Welded	
Size	2.25	in
Grade	Custom	
Fy	127.7	127.7 ksi
Fu	150	150 ksi

Anchor Rod Bracket Analysis Checks

Tube Bearing	39.7%	-
Tube Compression	59.6%	-
Gusset Shear	29.7%	-
Gusset Flexure	N/A	-
Gusset to Tower and BP	69.5%	-
Gusset to Tube	48.7%	-
Geometry	N/A	-
Tower Punching	32.4%	-
Tube Punching	51.2%	-

Utilization**69.5%****Bracket Properties**

Gusset	Pipe/Tube	Weld - Gusset to Pipe/Tube
Thickness	Size	FEXX
Width at Tube	Total Length	Weld Type
Height at Pole	Length above Gusset	Fillet Size
Height at Tube	Length below Gusset	
Grade	Grade	
Fy	Fy	
Fu	Fu	
Weld - Gusset to Tower	Weld - Gusset to Base Plate	
FEXX	FEXX	
Weld Type	Weld Type	
Fillet Size	Fillet Size	
	Gap	
	Notch (horiz)	
	Notch (vert)	
	Pipe/Tube Welded to Base/Footpad?	
	Fillet Size	

Drilled Pier Foundation

BU # :	827050
Site Name:	Rocky Hill/ Rte 160_1,
Order Number:	568276, Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	4126	
Axial Force (kips)	79	
Shear Force (kips)	45	

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

Pier Design Data		
Depth	36	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 22.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	28	
Rebar Size	9	
Clear Cover to Ties	3	in
Tie Size	5	
Tie Spacing	18	in
Rebar Quantity	4	
Rebar Size	18	
Rebar Cage Diameter	71	in
Pier Section 2		
From 22.5' below grade to 36' below grade		
Pier Diameter	7	ft
Rebar Quantity	28	
Rebar Size	9	
Clear Cover to Ties	3	in
Tie Size	5	
Tie Spacing	18	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	Compression	Uplift
D _{v=0} (ft from TOC)	8.18	-
Soil Safety Factor	4.13	-
Max Moment (kip-ft)	4430.27	-
Rating*	30.7%	-

Soil Vertical Check	Compression	Uplift
Skin Friction (kips)	543.46	-
End Bearing (kips)	5157.89	-
Weight of Concrete (kips)	165.23	-
Total Capacity (kips)	5701.34	-
Axial (kips)	244.23	-
Rating*	4.1%	-

Reinforced Concrete Flexure	Compression	Uplift
Critical Depth (ft from TOC)	16.83	-
Critical Moment (kip-ft)	3883.13	-
Critical Moment Capacity	4746.78	-
Rating*	77.9%	-

Reinforced Concrete Shear	Compression	Uplift
Critical Depth (ft from TOC)	34.88	-
Critical Shear (kip)	409.18	-
Critical Shear Capacity	809.71	-
Rating*	48.1%	-

Soil Interaction Rating*	30.7%
Structural Foundation Rating*	77.9%

*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	5.6	# of Layers	11

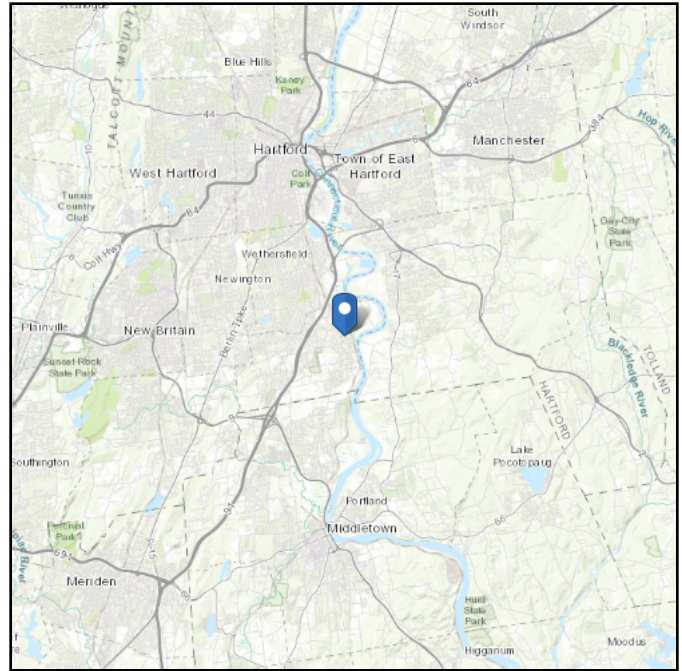
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2	2	126	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	2	3.5	1.5	117	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.5	4	0.5	117	150	0	31	0.000	0.000	0.00	0.00			Cohesionless
4	4	5.6	1.6	124	150	0	35	0.000	0.000	0.88	0.88			Cohesionless
5	5.6	6	0.4	61.5	87.6	0	35	0.000	0.000	0.88	0.88			Cohesionless
6	6	8	2	57.5	87.6	0	33	0.000	0.000	0.88	0.88			Cohesionless
7	8	10	2	55.5	87.6	0	32	0.00	0.00	0.88	0.88			Cohesionless
8	10	15	5	52.5	87.6	0	29	0.00	0.00	0.49	0.49			Cohesionless
9	15	30	15	42.5	87.6	0.5	0	0.28	0.28	0.50	0.50			Cohesive
10	30	34	4	53.5	87.6	0	31	0.00	0.00	0.83	0.83			Cohesionless
11	34	36	2	92.5	87.6	20	0	9.00	9.00	7.20	7.20	178.7		Cohesive

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 97.46 ft (NAVD 88)
Latitude: 41.668269
Longitude: -72.638036

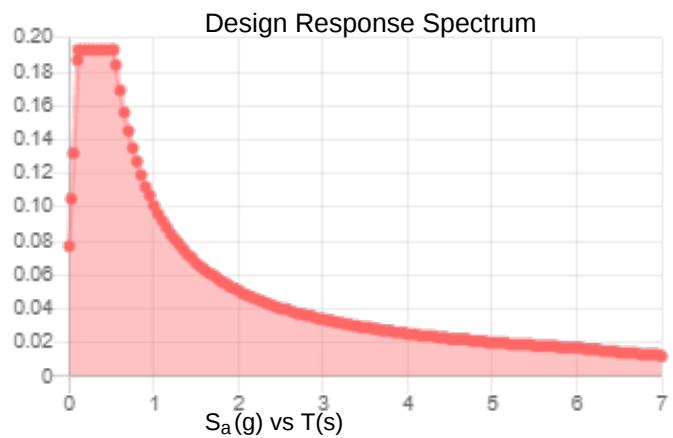
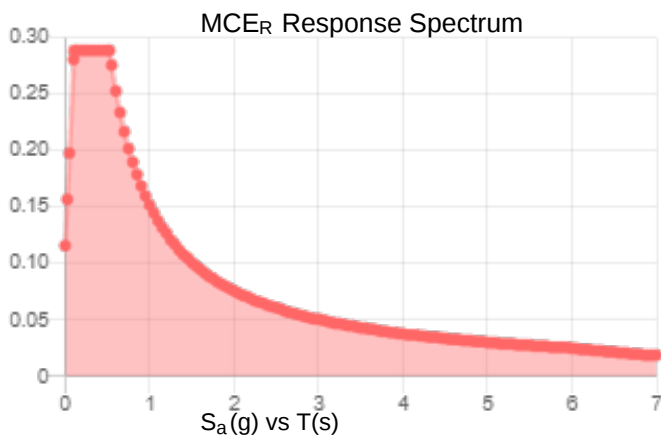


Site Soil Class: D - Stiff Soil

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 :	0.091
S_{MS} :	0.289	PGA_M :	0.146
S_{M1} :	0.152	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Sun May 09 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: Sun May 09 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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10076917
Maser Consulting Connecticut Project #: 21777713A

June 24, 2021

Site Information

Site ID: 468400-VZW / ROCKY HILL EAST CT
Site Name: ROCKY HILL EAST CT
Carrier Name: Verizon Wireless
Address: 699 Old Main St
Rocky Hill, Connecticut 06067
Hartford County
Latitude: 41.668194°
Longitude: -72.638000°

Structure Information

Tower Type: 148-Ft Monopole
Mount Type: 12.00-Ft Platform

FUZE ID # 16232015

Analysis Results

Platform: 68.3% 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: Lauren Luzier



Digitally signed by Justin Linette
Date: 2021.06.24 16:14:59-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 324788, dated March 18, 2021
Desktop Mount Mapping Report	Colliers Engineering & Design, Site ID: 21777713, dated March 30, 2021
Previous Mount Analysis Report	Maser Consulting Connecticut Project #: 21777713A, dated June 4, 2021
Mount Modification Drawings	Maser Consulting Connecticut Project #: 21777713A, dated June 24, 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 : 0.996
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 mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
139.0	140.0	3	Samsung	MT6407-77A	Added
		6	Commscope	NNHH-65B-R4	Retained
		3	Samsung	XXDWMM-12.5-65-8T	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RRFDC-6627-PF-48	

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

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

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting 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 is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	15.9 %	Pass
Corner Plate	68.3 %	Pass
Standoff Horizontal	31.0 %	Pass
Platform Crossmember	35.8 %	Pass
Grating Support	45.1 %	Pass
Kickers	29.3 %	Pass
Mount Pipe	36.0 %	Pass
Support Rail	16.2 %	Pass
Mount Connection	43.1 %	Pass

Structure Rating – (Controlling Utilization of all Components)	68.3%
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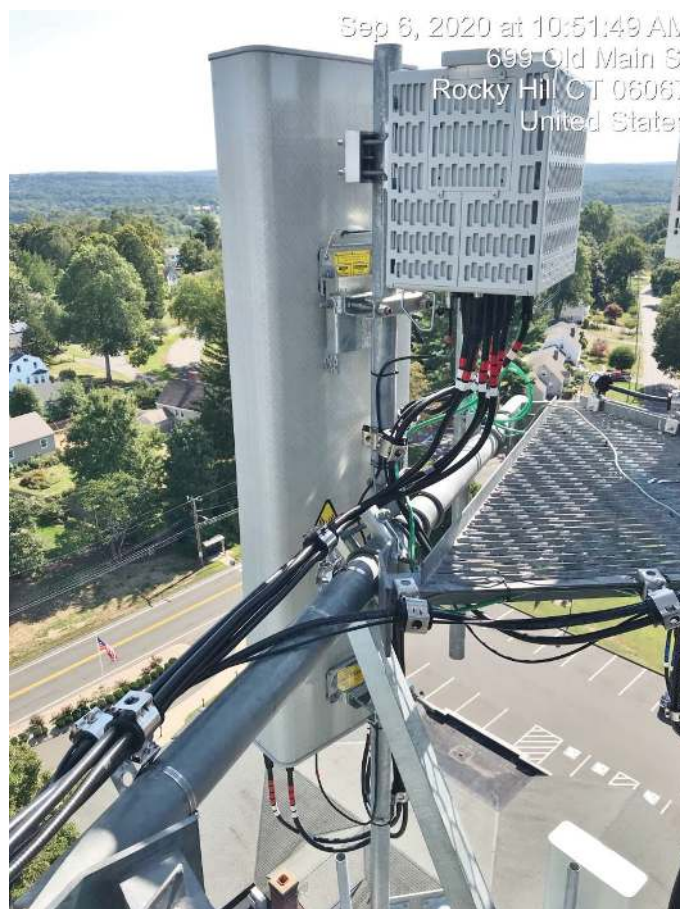
Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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

Attachments:

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



	Desktop Mount Mapping Form			
	Site Name:	ROCKY HILL EAST CT	Tower Type:	Monopole
	Site ID:	78247	Tower Owner:	Crown Castle
	FUZE Project ID:		Tower Height (Ft.):	147.5
	Customer:	Verizon Wireless	Mount Elevation (Ft.):	140
	TES Project No.		Date:	3/30/2021

The information 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.

Document Type	Provided? (Yes/No)	Engineering Firm	Project No.	Dated	Comments/Remarks
Previous Mount Mapping	No				
Previous Mapping Photos	No				
Previous Mount Analysis	No				
Previous Mount Modifications	No				
Previous Structural Analysis	Yes	Paul J Ford	37518-0273.002.780	9/10/2018	LP 304-1 PLATFORM MOUNT
Construction Drawings	No				
Closeout Package	No				
Closeout Photos	No				
Handover Package	No				
New Build 445 Documentation	No				
Other	No				
Previous PMI	No				

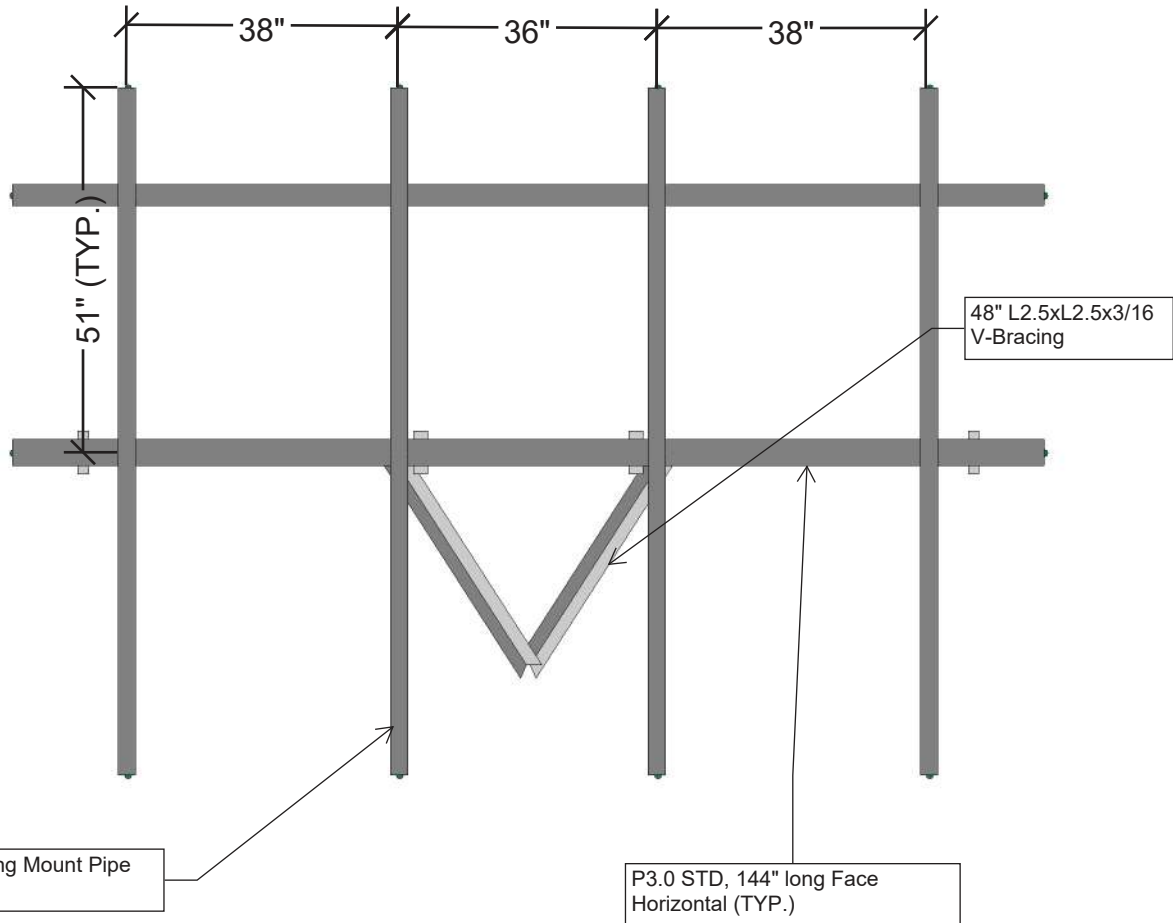
Conclusion		
Full Mount Mapping Required?	No	Data supports Moving Forward

The **desktop mount mapping** is based on the engineering review of the available site documents in FUZE, as listed above, in place of a full mount mapping. It is assumed that the information provided in the documents listed above, provide an accurate representation of the existing mount. EOR reserves the right and will typically require additional clarification and verification as will be included in the PMI requirements. During the PMI process, the GC on site will be required to confirm all questions, confirmations, and validations as posed by the EOR. The engineering review for this desktop mount mapping was performed in accordance to the ANSI/TIA-222-H requirements and Verizon's NSTD446 standard.

	
Photo taken from: Mount Analysis	Photo taken from: Mount Analysis



Mount Front View



MOUNT GEOMETRY VERIFICATION

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBERSIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONSOR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDETO THE EOR FOR EVALUATION

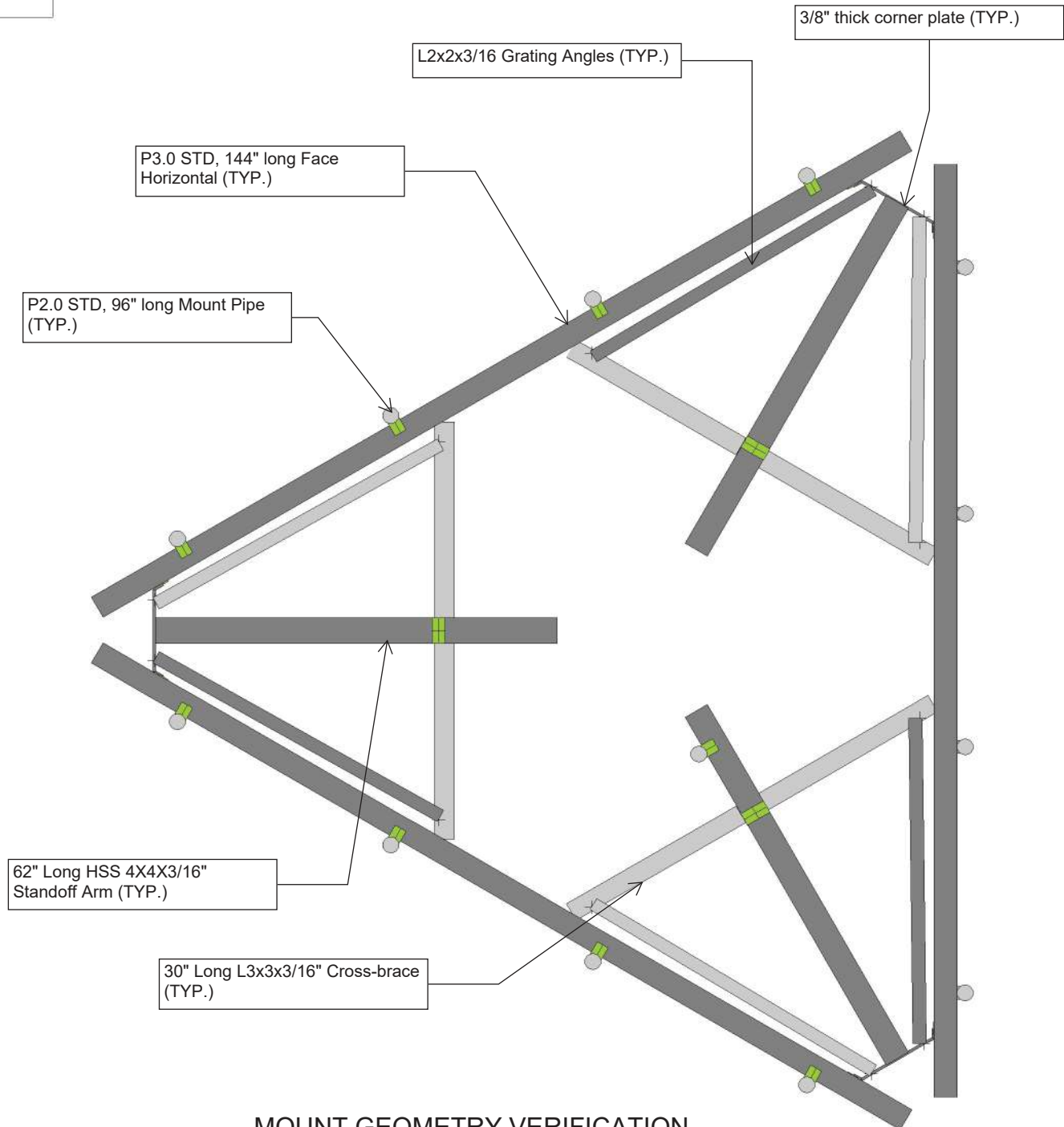
Maser Consulting
NL
Project No. 10058858

468400-VZW_MT_LO_H

SK - 1
June 24, 2021 at 4:01 PM
468400-VZW_MT_LO_H mod.r3d



Mount Plan View



MOUNT GEOMETRY VERIFICATION

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBERSIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONSOR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDETO THE EOR FOR EVALUATION

Envelope Only Solution

Maser Consulting

NL

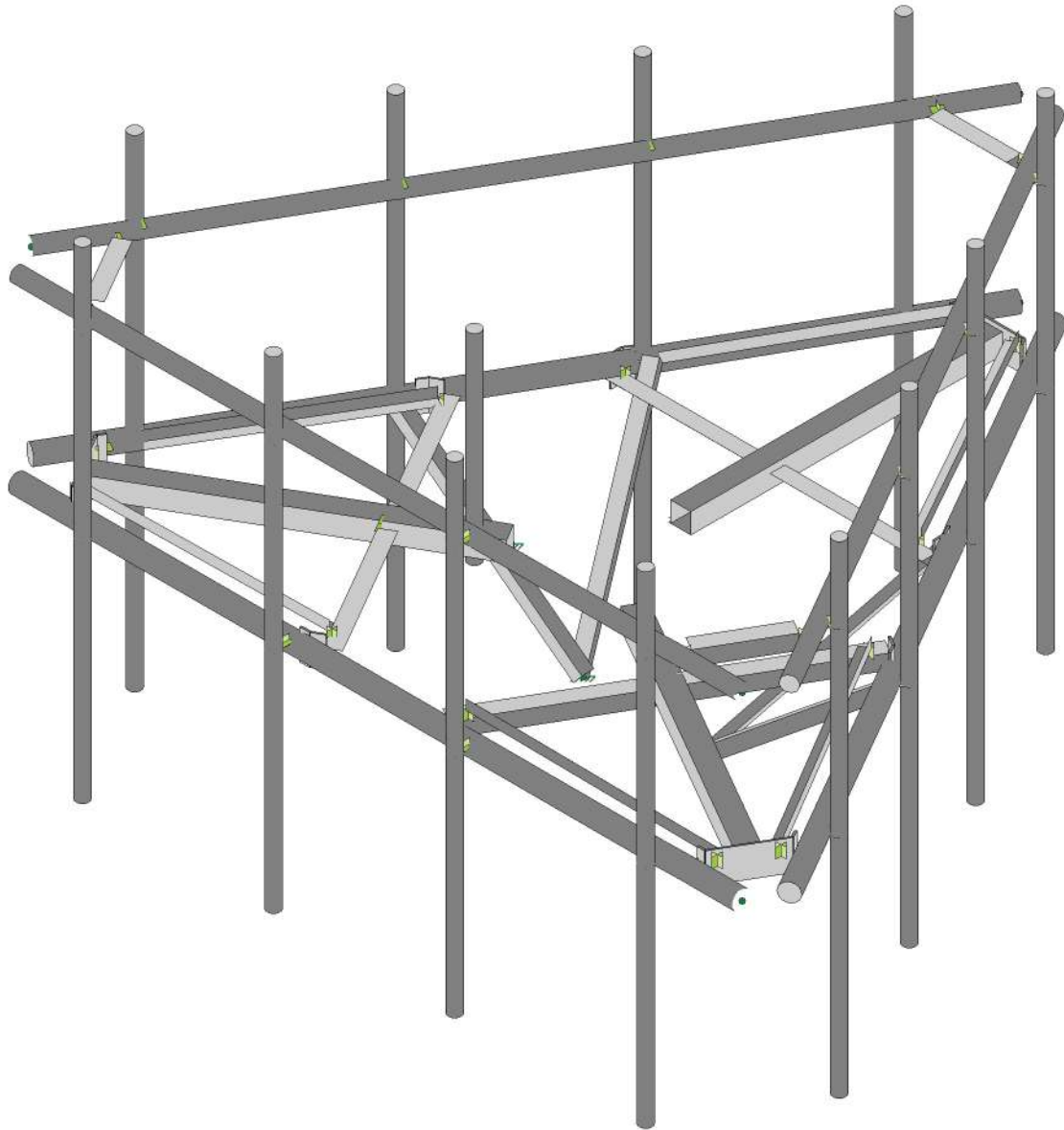
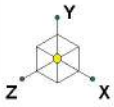
Project No. 10058858

468400-VZW_MT_LO_H

SK - 5

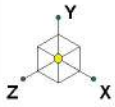
June 22, 2021 at 9:01 AM

468400-VZW_MT_LO_H mod.r3d

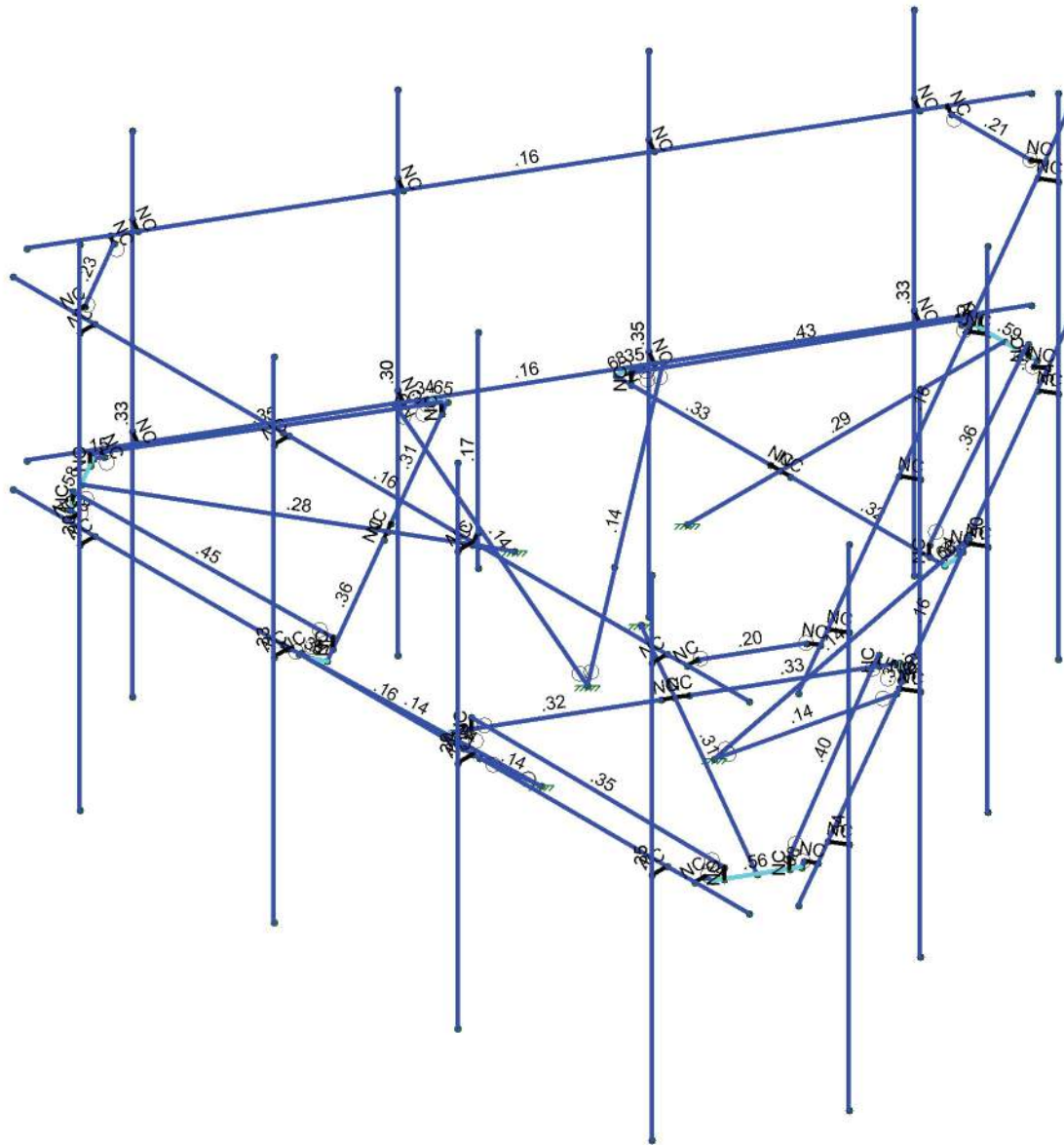


Envelope Only Solution

Maser Consulting	468400-VZW_MT_LO_H	SK - 1
NL		June 22, 2021 at 8:57 AM
Project No. 10058858		468400-VZW_MT_LO_H mod.r3d

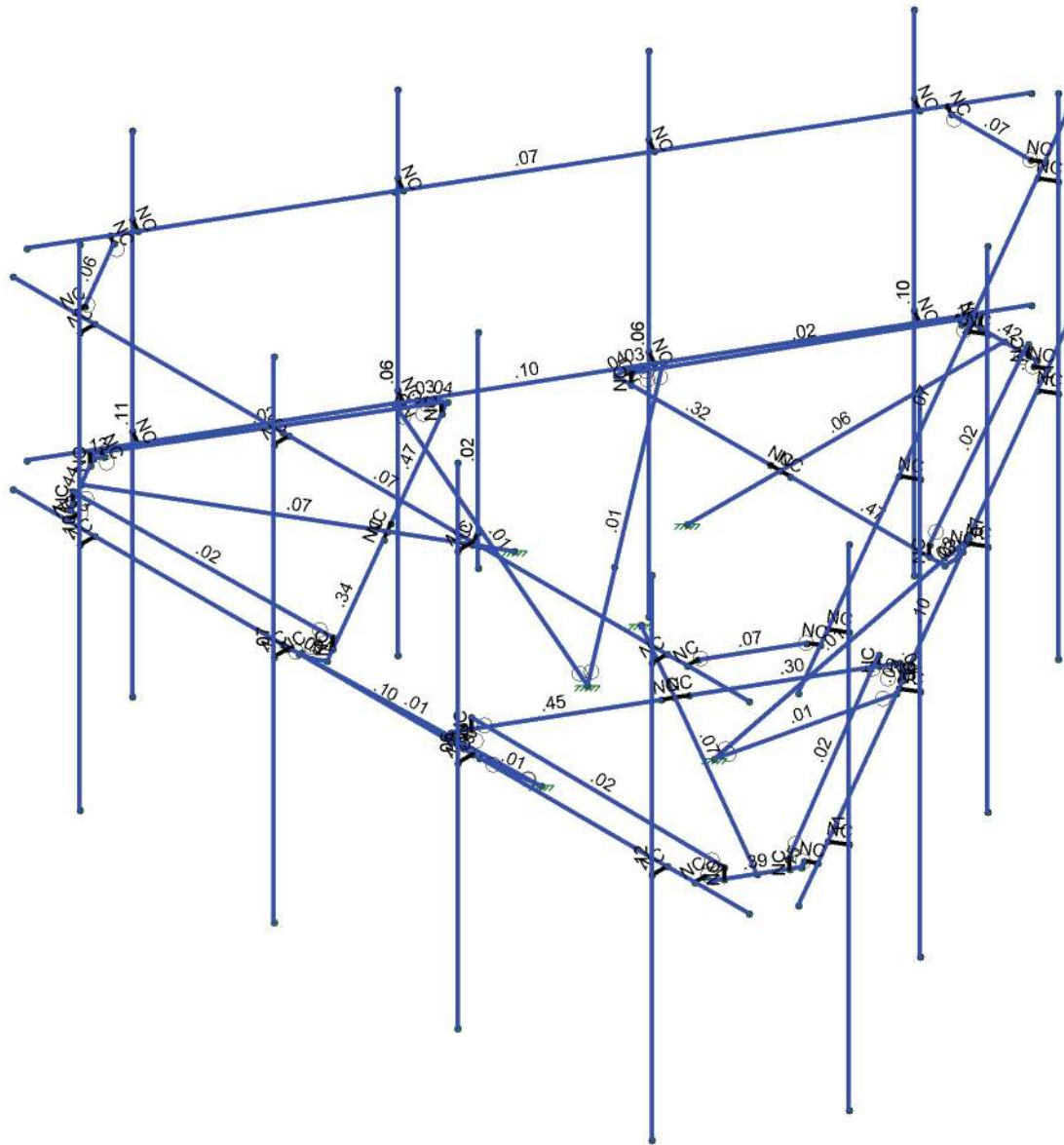
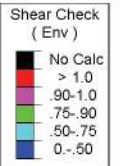


Code Check (Env)	
No Calc	
> 1.0	
.90-1.0	
.75-.90	
.50-.75	
0-.50	



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468400-VZW_MT_LO_H	SK - 2
NL		June 22, 2021 at 8:59 AM
Project No. 10058858		468400-VZW_MT_LO_H mod.r3d



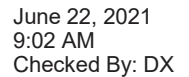
Maser Consulting
NL
Project No. 10058858

468400-VZW_MT_LO_H

SK - 3
June 22, 2021 at 8:59 AM
468400-VZW_MT_LO_H mod.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					93		
2	Antenna Di	None					93		
3	Antenna Wo (0 Deg)	None					93		
4	Antenna Wo (30 Deg)	None					93		
5	Antenna Wo (60 Deg)	None					93		
6	Antenna Wo (90 Deg)	None					93		
7	Antenna Wo (120 Deg)	None					93		
8	Antenna Wo (150 Deg)	None					93		
9	Antenna Wo (180 Deg)	None					93		
10	Antenna Wo (210 Deg)	None					93		
11	Antenna Wo (240 Deg)	None					93		
12	Antenna Wo (270 Deg)	None					93		
13	Antenna Wo (300 Deg)	None					93		
14	Antenna Wo (330 Deg)	None					93		
15	Antenna Wi (0 Deg)	None					93		
16	Antenna Wi (30 Deg)	None					93		
17	Antenna Wi (60 Deg)	None					93		
18	Antenna Wi (90 Deg)	None					93		
19	Antenna Wi (120 Deg)	None					93		
20	Antenna Wi (150 Deg)	None					93		
21	Antenna Wi (180 Deg)	None					93		
22	Antenna Wi (210 Deg)	None					93		
23	Antenna Wi (240 Deg)	None					93		
24	Antenna Wi (270 Deg)	None					93		
25	Antenna Wi (300 Deg)	None					93		
26	Antenna Wi (330 Deg)	None					93		
27	Antenna Wm (0 Deg)	None					93		
28	Antenna Wm (30 Deg)	None					93		
29	Antenna Wm (60 Deg)	None					93		
30	Antenna Wm (90 Deg)	None					93		
31	Antenna Wm (120 Deg)	None					93		
32	Antenna Wm (150 Deg)	None					93		
33	Antenna Wm (180 Deg)	None					93		
34	Antenna Wm (210 Deg)	None					93		
35	Antenna Wm (240 Deg)	None					93		
36	Antenna Wm (270 Deg)	None					93		
37	Antenna Wm (300 Deg)	None					93		
38	Antenna Wm (330 Deg)	None					93		
39	Structure D	None		-1					3
40	Structure Di	None						64	3
41	Structure Wo (0 Deg)	None						128	
42	Structure Wo (30 Deg)	None						128	
43	Structure Wo (60 Deg)	None						128	
44	Structure Wo (90 Deg)	None						128	
45	Structure Wo (120 D...	None						128	
46	Structure Wo (150 D...	None						128	
47	Structure Wo (180 D...	None						128	
48	Structure Wo (210 D...	None						128	
49	Structure Wo (240 D...	None						128	
50	Structure Wo (270 D...	None						128	



	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
51	Structure Wo (300 D...	None						128	
52	Structure Wo (330 D...	None						128	
53	Structure Wi (0 Deg)	None						128	
54	Structure Wi (30 Deg)	None						128	
55	Structure Wi (60 Deg)	None						128	
56	Structure Wi (90 Deg)	None						128	
57	Structure Wi (120 De...	None						128	
58	Structure Wi (150 De...	None						128	
59	Structure Wi (180 De...	None						128	
60	Structure Wi (210 De...	None						128	
61	Structure Wi (240 De...	None						128	
62	Structure Wi (270 De...	None						128	
63	Structure Wi (300 De...	None						128	
64	Structure Wi (330 De...	None						128	
65	Structure Wm (0 Deg)	None						128	
66	Structure Wm (30 De...	None						128	
67	Structure Wm (60 De...	None						128	
68	Structure Wm (90 De...	None						128	
69	Structure Wm (120 D...	None						128	
70	Structure Wm (150 D...	None						128	
71	Structure Wm (180 D...	None						128	
72	Structure Wm (210 D...	None						128	
73	Structure Wm (240 D...	None						128	
74	Structure Wm (270 D...	None						128	
75	Structure Wm (300 D...	None						128	
76	Structure Wm (330 D...	None						128	
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	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1										
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1										
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1										
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1										
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1										
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1										
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1										
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1										
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1										
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1										
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1										
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1										
13	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1						
17	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1						
18	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1						
19	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1						
20	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1						

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
9	N234C	-0.734652	0	-6.335243	0	
10	N258A	-0.	0	-6.361729	0	
11	N259A	-0.	0	-1.195062	0	
12	N252A	2.681562	0	-2.710507	0	
13	N253A	2.681562	0	-2.898007	0	
14	N254A	2.598228	0	-3.042344	0	
15	N255A	2.626413	0	-3.058617	0	
16	N256A	-2.681562	0	-2.710507	0	
17	N257A	-2.681562	0	-2.898007	0	
18	N258B	-2.598228	0	-3.042344	0	
19	N259B	-2.626413	0	-3.058617	0	
20	N264A	-0.	0	-2.710507	0	
21	N265A	-0.166687	0	-2.710507	0	
22	N266A	0.166647	0	-2.710507	0	
23	N273	-2.431562	0	-2.710507	0	
24	N274A	-0.38886	0	-6.361729	0	
25	N275A	-2.431562	0.166667	-2.710507	0	
26	N276A	-0.38886	0.166667	-6.361729	0	
27	N277	2.431562	0	-2.710507	0	
28	N278	0.38886	0	-6.361729	0	
29	N279	2.431562	0.166667	-2.710507	0	
30	N280	0.38886	0.166667	-6.361729	0	
31	N98	2.491399	0	-3.292469	0	
32	N102	-2.491399	0	-3.292469	0	
33	N36A	-5.774683	0	2.721415	0	
34	N37	-5.712183	0	2.613162	0	
35	N38	-5.853808	0	2.531394	0	
36	N39	-5.244156	0	3.640314	0	
37	N40	-5.119156	0	3.640314	0	
38	N41	-5.119156	0	3.803849	0	
39	N42	-5.509419	0	3.180865	0	
40	N43	-1.034954	0	0.597531	0	
41	N44	-3.688148	0	-0.967047	0	
42	N45	-3.850528	0	-0.873297	0	
43	N46	-3.933861	0	-0.72896	0	
44	N47	-3.962047	0	-0.745232	0	
45	N48	-1.006587	0	3.677554	0	
46	N49	-1.168967	0	3.771304	0	
47	N50	-1.335633	0	3.771304	0	
48	N51	-1.335633	0	3.803849	0	
49	N52	-2.347368	0	1.355253	0	
50	N53	-2.264024	0	1.499608	0	
51	N54	-2.430691	0	1.210933	0	
52	N55	-1.131587	0	3.461047	0	
53	N56	-5.314989	0	3.517628	0	
54	N57	-1.131587	0.166667	3.461047	0	
55	N58	-5.314989	0.166667	3.517628	0	
56	N59	-3.563148	0	-0.750541	0	
57	N60	-5.703849	0	2.844102	0	
58	N61	-3.563148	0.166667	-0.750541	0	
59	N62	-5.703849	0.166667	2.844102	0	
60	N65	-4.097061	0	-0.51138	0	
61	N66	-1.605662	0	3.803849	0	
62	N68	5.244156	0	3.640314	0	
63	N69	5.119156	0	3.640314	0	
64	N70	5.119156	0	3.803849	0	
65	N71	5.774683	0	2.721415	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
66	N72	5.712183	0	2.613162	0	
67	N73	5.853808	0	2.531394	0	
68	N74	5.509419	0	3.180865	0	
69	N75	1.034954	0	0.597531	0	
70	N76	1.006587	0	3.677554	0	
71	N77	1.168967	0	3.771304	0	
72	N78	1.335633	0	3.771304	0	
73	N79	1.335633	0	3.803849	0	
74	N80	3.688148	0	-0.967047	0	
75	N81	3.850528	0	-0.873297	0	
76	N82	3.933861	0	-0.72896	0	
77	N83	3.962047	0	-0.745232	0	
78	N84	2.347368	0	1.355253	0	
79	N85	2.430711	0	1.210899	0	
80	N86	2.264044	0	1.499574	0	
81	N87	3.563148	0	-0.750541	0	
82	N88	5.703849	0	2.844102	0	
83	N89	3.563148	0.166667	-0.750541	0	
84	N90	5.703849	0.166667	2.844102	0	
85	N91	1.131587	0	3.461047	0	
86	N92	5.314989	0	3.517628	0	
87	N93	1.131587	0.166667	3.461047	0	
88	N94	5.314989	0.166667	3.517628	0	
89	N97	1.605662	0	3.803849	0	
90	N98A	4.097061	0	-0.51138	0	
91	N98B	6.294228	0	3.294225	0	
92	N99	0.294232	0	-7.098074	0	
93	N101	-0.294232	0	-7.098074	0	
94	N102A	-6.294228	0	3.294225	0	
95	N101A	4.666663	0	3.803849	0	
96	N102B	1.499996	0	3.803849	0	
97	N103	-1.500004	0	3.803849	0	
98	N104	-4.666671	0	3.803849	0	
99	N105	4.666663	0	4.053849	0	
100	N106	1.499996	0	4.053849	0	
101	N107	-1.500004	0	4.053849	0	
102	N108	-4.666671	0	4.053849	0	
103	N109	4.666663	4.25	4.053849	0	
104	N110	1.499996	4.25	4.053849	0	
105	N111	-1.500004	4.25	4.053849	0	
106	N112	-4.666671	4.25	4.053849	0	
107	N113	4.666663	-3.75	4.053849	0	
108	N114	1.499996	-3.75	4.053849	0	
109	N115	-1.500004	-3.75	4.053849	0	
110	N116	-4.666671	-3.75	4.053849	0	
111	N117	-1.467967	0	0.847531	0	
112	N118	-1.592967	0	0.631025	0	
113	N119	-1.592967	-.5	0.631025	0	
114	N120	-1.592967	2.833333	0.631025	0	
115	N122	0.960899	0	-5.943373	0	
116	N123	2.544232	0	-3.200959	0	
117	N124	4.044232	0	-0.602883	0	
118	N125	5.627565	0	2.139531	0	
119	N126	1.177405	0	-6.068373	0	
120	N127	2.760738	0	-3.325959	0	
121	N128	4.260738	0	-0.727883	0	
122	N129	5.844072	0	2.014531	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
123	N130	1.177405	4.25	-6.068373	0	
124	N131	2.760738	4.25	-3.325959	0	
125	N132	4.260738	4.25	-0.727883	0	
126	N133	5.844072	4.25	2.014531	0	
127	N134	1.177405	-3.75	-6.068373	0	
128	N135	2.760738	-3.75	-3.325959	0	
129	N136	4.260738	-3.75	-0.727883	0	
130	N137	5.844072	-3.75	2.014531	0	
131	N139	-5.627561	0	2.139524	0	
132	N140	-4.044228	0	-0.60289	0	
133	N141	-2.544228	0	-3.200966	0	
134	N142	-0.960895	0	-5.94338	0	
135	N143	-5.844068	0	2.014524	0	
136	N144	-4.260734	0	-0.72789	0	
137	N145	-2.760734	0	-3.325966	0	
138	N146	-1.177401	0	-6.06838	0	
139	N147	-5.844068	4.25	2.014524	0	
140	N148	-4.260734	4.25	-0.72789	0	
141	N149	-2.760734	4.25	-3.325966	0	
142	N150	-1.177401	4.25	-6.06838	0	
143	N151	-5.844068	-3.75	2.014524	0	
144	N152	-4.260734	-3.75	-0.72789	0	
145	N153	-2.760734	-3.75	-3.325966	0	
146	N154	-1.177401	-3.75	-6.06838	0	
147	N153A	-1.034954	-2.5	-0.597531	0	
148	N154A	0.	-2.5	1.195062	0	
149	N155	1.034954	-2.5	-0.597531	0	
150	N150A	-5.999996	3	3.803849	0	
151	N151A	5.999996	3	3.803849	0	
152	N153B	-1.605662	3	3.803849	0	
153	N155A	1.605662	3	3.803849	0	
154	N156	4.666663	3	3.803849	0	
155	N157	1.499996	3	3.803849	0	
156	N158	-1.500004	3	3.803849	0	
157	N159	-4.666671	3	3.803849	0	
158	N160	4.666663	3	4.053849	0	
159	N161	1.499996	3	4.053849	0	
160	N162	-1.500004	3	4.053849	0	
161	N163	-4.666671	3	4.053849	0	
162	N164	-4.999996	3	3.803849	0	
163	N163A	4.999996	3	3.803849	0	
164	N164A	-4.999996	3	3.637182	0	
165	N165	4.999996	3	3.637182	0	
166	N167	6.294228	3	3.294225	0	
167	N168	0.294232	3	-7.098074	0	
168	N169	2.491399	3	-3.292469	0	
169	N170	0.960899	3	-5.943373	0	
170	N171	2.544232	3	-3.200959	0	
171	N172	4.044232	3	-0.602883	0	
172	N173	5.627565	3	2.139531	0	
173	N174	1.177405	3	-6.068373	0	
174	N175	2.760738	3	-3.325959	0	
175	N176	4.260738	3	-0.727883	0	
176	N177	5.844072	3	2.014531	0	
177	N179	-0.294232	3	-7.098074	0	
178	N180	-6.294228	3	3.294225	0	
179	N181	-4.097061	3	-0.51138	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
180	N182	-5.627561	3	2.139524	0	
181	N183	-4.044228	3	-0.60289	0	
182	N184	-2.544228	3	-3.200966	0	
183	N185	-0.960895	3	-5.94338	0	
184	N186	-5.844068	3	2.014524	0	
185	N187	-4.260734	3	-0.72789	0	
186	N188	-2.760734	3	-3.325966	0	
187	N189	-1.177401	3	-6.06838	0	
188	N189A	5.794228	3	2.428199	0	
189	N190	0.794232	3	-6.232048	0	
190	N191	5.64989	3	2.511532	0	
191	N192	0.649894	3	-6.148715	0	
192	N194	-0.794232	3	-6.232048	0	
193	N195	-5.794228	3	2.428199	0	
194	N196	-0.649894	3	-6.148715	0	
195	N197	-5.64989	3	2.511532	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X3	Beam	SquareT...	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossme...	L3X3X3	Beam	Single A...	A36 Gr.36	Typical	1.09	.948	.948	.014
5	Grating Support	L2x2x3	Beam	Single A...	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Wide Fla...	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Kickers	L2.5x2.5x3	Column	Double ...	A36 Gr.36	Typical	.901	.535	.535	.011
9	MOD HORIZONTAL	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	MOD SR CONNEC...	L3X3X4	Column	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M20	N53A	N36			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M142C	N229C	N230C			Corner Plate	Beam	RECT	A36 Gr.36	Typical
3	M143C	N230C	N231C			RIGID	None	None	RIGID	Typical
4	M144C	N232C	N233C			Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M145C	N233C	N234C			RIGID	None	None	RIGID	Typical
6	M164A	N232C	N229C			Corner Plate	Beam	RECT	A36 Gr.36	Typical
7	M169A	N258A	N259A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
8	M160A	N252A	N253A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
9	M161A	N253A	N254A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
10	M162A	N254A	N255A			RIGID	None	None	RIGID	Typical
11	M163B	N256A	N257A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
12	M164B	N257A	N258B			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M165B	N258B	N259B			RIGID	None	None	RIGID	Typical
14	M169B	N256A	N265A		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
15	M170B	N266A	N252A		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
16	M171B	N265A	N264A			RIGID	None	None	RIGID	Typical
17	M172A	N266A	N264A			RIGID	None	None	RIGID	Typical
18	M181A	N275A	N273			RIGID	None	None	RIGID	Typical
19	M182A	N276A	N274A			RIGID	None	None	RIGID	Typical
20	M183A	N275A	N276A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
21	M184A	N279	N277			RIGID	None	None	RIGID	Typical
22	M185A	N280	N278			RIGID	None	None	RIGID	Typical
23	M186A	N279	N280		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
24	M70	N102	N153A		90	Kickers	Column	Double Angle (...)	A36 Gr.36	Typical
25	M71	N98	N155		180	Kickers	Column	Double Angle (...)	A36 Gr.36	Typical
26	M26	N36A	N37			Corner Plate	Beam	RECT	A36 Gr.36	Typical
27	M27	N37	N38			RIGID	None	None	RIGID	Typical
28	M28	N39	N40			Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M29	N40	N41			RIGID	None	None	RIGID	Typical
30	M30	N39	N36A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
31	M31	N42	N43			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
32	M32	N44	N45			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M33	N45	N46			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
34	M34	N46	N47			RIGID	None	None	RIGID	Typical
35	M35	N48	N49			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
36	M36	N49	N50			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N50	N51			RIGID	None	None	RIGID	Typical
38	M38	N48	N53		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
39	M39	N54	N44		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
40	M40	N53	N52			RIGID	None	None	RIGID	Typical
41	M41	N54	N52			RIGID	None	None	RIGID	Typical
42	M42	N57	N55			RIGID	None	None	RIGID	Typical
43	M43	N58	N56			RIGID	None	None	RIGID	Typical
44	M44	N57	N58			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
45	M45	N61	N59			RIGID	None	None	RIGID	Typical
46	M46	N62	N60			RIGID	None	None	RIGID	Typical
47	M47	N61	N62		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
48	M48	N66	N154A		90	Kickers	Column	Double Angle (...)	A36 Gr.36	Typical
49	M49	N65	N153A		180	Kickers	Column	Double Angle (...)	A36 Gr.36	Typical
50	M50	N68	N69			Corner Plate	Beam	RECT	A36 Gr.36	Typical
51	M51	N69	N70			RIGID	None	None	RIGID	Typical
52	M52	N71	N72			Corner Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N72	N73			RIGID	None	None	RIGID	Typical
54	M54	N71	N68			Corner Plate	Beam	RECT	A36 Gr.36	Typical
55	M55	N74	N75			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
56	M56	N76	N77			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
57	M57	N77	N78			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
58	M58	N78	N79			RIGID	None	None	RIGID	Typical
59	M59	N80	N81			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
60	M60	N81	N82			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M61	N82	N83			RIGID	None	None	RIGID	Typical
62	M62	N80	N85		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
63	M63	N86	N76		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
64	M64	N85	N84			RIGID	None	None	RIGID	Typical
65	M65	N86	N84			RIGID	None	None	RIGID	Typical
66	M66	N89	N87			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
67	M67	N90	N88			RIGID	None	None	RIGID	Typical
68	M68	N89	N90			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
69	M69	N93	N91			RIGID	None	None	RIGID	Typical
70	M70A	N94	N92			RIGID	None	None	RIGID	Typical
71	M71A	N93	N94		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
72	M72	N98A	N155		90	Kickers	Column	Double Angle (..	A36 Gr.36	Typical
73	M73	N97	N154A		180	Kickers	Column	Double Angle (..	A36 Gr.36	Typical
74	M74	N99	N98B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N102A	N101			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76	N108	N104			RIGID	None	None	RIGID	Typical
77	M77	N107	N103			RIGID	None	None	RIGID	Typical
78	M78	N106	N102B			RIGID	None	None	RIGID	Typical
79	M79	N105	N101A			RIGID	None	None	RIGID	Typical
80	MP4A	N112	N116			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
81	MP3A	N111	N115			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
82	MP2A	N110	N114			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
83	MP1A	N109	N113			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
84	M84	N117	N118			RIGID	None	None	RIGID	Typical
85	OVP	N120	N119			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
86	M86	N129	N125			RIGID	None	None	RIGID	Typical
87	M87	N128	N124			RIGID	None	None	RIGID	Typical
88	M88	N127	N123			RIGID	None	None	RIGID	Typical
89	M89	N126	N122			RIGID	None	None	RIGID	Typical
90	MP4C	N133	N137			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
91	MP3C	N132	N136			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
92	MP2C	N131	N135			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
93	MP1C	N130	N134			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
94	M94	N146	N142			RIGID	None	None	RIGID	Typical
95	M95	N145	N141			RIGID	None	None	RIGID	Typical
96	M96	N144	N140			RIGID	None	None	RIGID	Typical
97	M97	N143	N139			RIGID	None	None	RIGID	Typical
98	MP4B	N150	N154			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
99	MP3B	N149	N153			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
100	MP2B	N148	N152			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
101	MP1B	N147	N151			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
102	M102	N151A	N150A			MOD HORIZO...	Column	Pipe	A53 Gr.B	Typical
103	M103	N163	N159			RIGID	None	None	RIGID	Typical
104	M104	N162	N158			RIGID	None	None	RIGID	Typical
105	M105	N161	N157			RIGID	None	None	RIGID	Typical
106	M106	N160	N156			RIGID	None	None	RIGID	Typical
107	M107	N164	N164A			RIGID	None	None	RIGID	Typical
108	M108	N163A	N165			RIGID	None	None	RIGID	Typical
109	M109	N168	N167			MOD HORIZO...	Column	Pipe	A53 Gr.B	Typical
110	M110	N177	N173			RIGID	None	None	RIGID	Typical
111	M111	N176	N172			RIGID	None	None	RIGID	Typical
112	M112	N175	N171			RIGID	None	None	RIGID	Typical
113	M113	N174	N170			RIGID	None	None	RIGID	Typical
114	M114	N180	N179			MOD HORIZO...	Column	Pipe	A53 Gr.B	Typical
115	M115	N189	N185			RIGID	None	None	RIGID	Typical
116	M116	N188	N184			RIGID	None	None	RIGID	Typical
117	M117	N187	N183			RIGID	None	None	RIGID	Typical
118	M118	N186	N182			RIGID	None	None	RIGID	Typical
119	M119	N189A	N191			RIGID	None	None	RIGID	Typical
120	M120	N190	N192			RIGID	None	None	RIGID	Typical
121	M121	N194	N196			RIGID	None	None	RIGID	Typical
122	M122	N195	N197			RIGID	None	None	RIGID	Typical
123	M123	N164A	N197		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
124	M124	N191	N165		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical
125	M125	N196	N192		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	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	M20						Yes				None
2	M142C						Yes				None
3	M143C		BenPIN				Yes	** NA **			None
4	M144C						Yes				None
5	M145C		BenPIN				Yes	** NA **			None
6	M164A						Yes				None
7	M169A						Yes				None
8	M160A						Yes	** NA **			None
9	M161A						Yes	** NA **			None
10	M162A		BenPIN				Yes	** NA **			None
11	M163B						Yes	** NA **			None
12	M164B						Yes	** NA **			None
13	M165B		BenPIN				Yes	** NA **			None
14	M169B						Yes				None
15	M170B						Yes				None
16	M171B						Yes	** NA **			None
17	M172A						Yes	** NA **			None
18	M181A						Yes	** NA **			None
19	M182A						Yes	** NA **			None
20	M183A	OOOOOX	OOOOOX				Yes				None
21	M184A						Yes	** NA **			None
22	M185A						Yes	** NA **			None
23	M186A	OOOOXO	OOOOXO				Yes				None
24	M70	BenPIN	BenPIN				Yes	** NA **			None
25	M71	BenPIN	BenPIN				Yes	** NA **			None
26	M26						Yes				None
27	M27		BenPIN				Yes	** NA **			None
28	M28						Yes				None
29	M29		BenPIN				Yes	** NA **			None
30	M30						Yes				None
31	M31						Yes				None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34		BenPIN				Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37		BenPIN				Yes	** NA **			None
38	M38						Yes				None
39	M39						Yes				None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44	OOOOOX	OOOOOX				Yes				None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47	OOOOXO	OOOOXO				Yes				None
48	M48	BenPIN	BenPIN				Yes	** NA **			None
49	M49	BenPIN	BenPIN				Yes	** NA **			None
50	M50						Yes				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...
51	M51		BenPIN				Yes	** NA **			None
52	M52						Yes				None
53	M53		BenPIN				Yes	** NA **			None
54	M54						Yes				None
55	M55						Yes				None
56	M56						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58		BenPIN				Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61		BenPIN				Yes	** NA **			None
62	M62						Yes				None
63	M63						Yes				None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68	OOOOOX	OOOOOX				Yes				None
69	M69						Yes	** NA **			None
70	M70A						Yes	** NA **			None
71	M71A	OOOOXO	OOOOXO				Yes				None
72	M72	BenPIN	BenPIN				Yes	** NA **			None
73	M73	BenPIN	BenPIN				Yes	** NA **			None
74	M74						Yes				None
75	M75						Yes				None
76	M76						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	MP4A						Yes	** NA **			None
81	MP3A						Yes	** NA **			None
82	MP2A						Yes	** NA **			None
83	MP1A						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	OVP						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP4C						Yes	** NA **			None
91	MP3C						Yes	** NA **			None
92	MP2C						Yes	** NA **			None
93	MP1C						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	MP4B						Yes	** NA **			None
99	MP3B						Yes	** NA **			None
100	MP2B						Yes	** NA **			None
101	MP1B						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107	OOOOOX					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...
108	M108	OOOOOX					Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121	OOOOOX					Yes	** NA **			None
122	M122	OOOOOX					Yes	** NA **			None
123	M123						Yes	** NA **			None
124	M124						Yes	** NA **			None
125	M125						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	Y	-43.55	2.5
2	MP4A	My	-.033	2.5
3	MP4A	Mz	0	2.5
4	MP4A	Y	-43.55	4.5
5	MP4A	My	-.033	4.5
6	MP4A	Mz	0	4.5
7	MP4B	Y	-43.55	2.5
8	MP4B	My	-.006	2.5
9	MP4B	Mz	-.032	2.5
10	MP4B	Y	-43.55	4.5
11	MP4B	My	-.006	4.5
12	MP4B	Mz	-.032	4.5
13	MP4C	Y	-43.55	2.5
14	MP4C	My	.031	2.5
15	MP4C	Mz	.011	2.5
16	MP4C	Y	-43.55	4.5
17	MP4C	My	.031	4.5
18	MP4C	Mz	.011	4.5
19	MP1A	Y	-38.7	1.5
20	MP1A	My	-.029	1.5
21	MP1A	Mz	0	1.5
22	MP1A	Y	-38.7	5.5
23	MP1A	My	-.029	5.5
24	MP1A	Mz	0	5.5
25	MP1B	Y	-38.7	1.5
26	MP1B	My	-.005	1.5
27	MP1B	Mz	-.029	1.5
28	MP1B	Y	-38.7	5.5
29	MP1B	My	-.005	5.5
30	MP1B	Mz	-.029	5.5
31	MP1C	Y	-38.7	1.5
32	MP1C	My	.027	1.5
33	MP1C	Mz	.01	1.5
34	MP1C	Y	-38.7	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
35	MP1C	My	.027	5.5
36	MP1C	Mz	.01	5.5
37	MP3A	Y	-38.7	1.5
38	MP3A	My	-.029	1.5
39	MP3A	Mz	0	1.5
40	MP3A	Y	-38.7	5.5
41	MP3A	My	-.029	5.5
42	MP3A	Mz	0	5.5
43	MP3B	Y	-38.7	1.5
44	MP3B	My	-.005	1.5
45	MP3B	Mz	-.029	1.5
46	MP3B	Y	-38.7	5.5
47	MP3B	My	-.005	5.5
48	MP3B	Mz	-.029	5.5
49	MP3C	Y	-38.7	1.5
50	MP3C	My	.027	1.5
51	MP3C	Mz	.01	1.5
52	MP3C	Y	-38.7	5.5
53	MP3C	My	.027	5.5
54	MP3C	Mz	.01	5.5
55	MP2A	Y	-2.2	1.5
56	MP2A	My	-.002	1.5
57	MP2A	Mz	0	1.5
58	MP2A	Y	-2.2	2.5
59	MP2A	My	-.002	2.5
60	MP2A	Mz	0	2.5
61	MP2B	Y	-2.2	1.5
62	MP2B	My	-.000287	1.5
63	MP2B	Mz	-.002	1.5
64	MP2B	Y	-2.2	2.5
65	MP2B	My	-.000287	2.5
66	MP2B	Mz	-.002	2.5
67	MP2C	Y	-2.2	1.5
68	MP2C	My	.002	1.5
69	MP2C	Mz	.000564	1.5
70	MP2C	Y	-2.2	2.5
71	MP2C	My	.002	2.5
72	MP2C	Mz	.000564	2.5
73	MP3A	Y	-84.4	1.5
74	MP3A	My	.021	1.5
75	MP3A	Mz	-.037	1.5
76	MP3B	Y	-84.4	1.5
77	MP3B	My	.021	1.5
78	MP3B	Mz	-.037	1.5
79	MP3C	Y	-84.4	1.5
80	MP3C	My	.021	1.5
81	MP3C	Mz	-.037	1.5
82	MP1A	Y	-70.3	1.5
83	MP1A	My	.018	1.5
84	MP1A	Mz	-.03	1.5
85	MP1B	Y	-70.3	1.5
86	MP1B	My	.018	1.5
87	MP1B	Mz	-.03	1.5
88	MP1C	Y	-70.3	1.5
89	MP1C	My	.018	1.5
90	MP1C	Mz	-.03	1.5
91	OVP	Y	-32	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
92	OVP	My	0	1
93	OVP	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	Y	-56.536	2.5
2	MP4A	My	-.042	2.5
3	MP4A	Mz	0	2.5
4	MP4A	Y	-56.536	4.5
5	MP4A	My	-.042	4.5
6	MP4A	Mz	0	4.5
7	MP4B	Y	-56.536	2.5
8	MP4B	My	-.007	2.5
9	MP4B	Mz	-.042	2.5
10	MP4B	Y	-56.536	4.5
11	MP4B	My	-.007	4.5
12	MP4B	Mz	-.042	4.5
13	MP4C	Y	-56.536	2.5
14	MP4C	My	.04	2.5
15	MP4C	Mz	.015	2.5
16	MP4C	Y	-56.536	4.5
17	MP4C	My	.04	4.5
18	MP4C	Mz	.015	4.5
19	MP1A	Y	-134.843	1.5
20	MP1A	My	-.101	1.5
21	MP1A	Mz	0	1.5
22	MP1A	Y	-134.843	5.5
23	MP1A	My	-.101	5.5
24	MP1A	Mz	0	5.5
25	MP1B	Y	-134.843	1.5
26	MP1B	My	-.018	1.5
27	MP1B	Mz	-.1	1.5
28	MP1B	Y	-134.843	5.5
29	MP1B	My	-.018	5.5
30	MP1B	Mz	-.1	5.5
31	MP1C	Y	-134.843	1.5
32	MP1C	My	.095	1.5
33	MP1C	Mz	.035	1.5
34	MP1C	Y	-134.843	5.5
35	MP1C	My	.095	5.5
36	MP1C	Mz	.035	5.5
37	MP3A	Y	-134.843	1.5
38	MP3A	My	-.101	1.5
39	MP3A	Mz	0	1.5
40	MP3A	Y	-134.843	5.5
41	MP3A	My	-.101	5.5
42	MP3A	Mz	0	5.5
43	MP3B	Y	-134.843	1.5
44	MP3B	My	-.018	1.5
45	MP3B	Mz	-.1	1.5
46	MP3B	Y	-134.843	5.5
47	MP3B	My	-.018	5.5
48	MP3B	Mz	-.1	5.5
49	MP3C	Y	-134.843	1.5
50	MP3C	My	.095	1.5
51	MP3C	Mz	.035	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
52	MP3C	Y	-134.843	5.5
53	MP3C	My	.095	5.5
54	MP3C	Mz	.035	5.5
55	MP2A	Y	-11.43	1.5
56	MP2A	My	-.009	1.5
57	MP2A	Mz	0	1.5
58	MP2A	Y	-11.43	2.5
59	MP2A	My	-.009	2.5
60	MP2A	Mz	0	2.5
61	MP2B	Y	-11.43	1.5
62	MP2B	My	-.001	1.5
63	MP2B	Mz	-.008	1.5
64	MP2B	Y	-11.43	2.5
65	MP2B	My	-.001	2.5
66	MP2B	Mz	-.008	2.5
67	MP2C	Y	-11.43	1.5
68	MP2C	My	.008	1.5
69	MP2C	Mz	.003	1.5
70	MP2C	Y	-11.43	2.5
71	MP2C	My	.008	2.5
72	MP2C	Mz	.003	2.5
73	MP3A	Y	-71.857	1.5
74	MP3A	My	.018	1.5
75	MP3A	Mz	-.031	1.5
76	MP3B	Y	-71.857	1.5
77	MP3B	My	.018	1.5
78	MP3B	Mz	-.031	1.5
79	MP3C	Y	-71.857	1.5
80	MP3C	My	.018	1.5
81	MP3C	Mz	-.031	1.5
82	MP1A	Y	-64.878	1.5
83	MP1A	My	.016	1.5
84	MP1A	Mz	-.028	1.5
85	MP1B	Y	-64.878	1.5
86	MP1B	My	.016	1.5
87	MP1B	Mz	-.028	1.5
88	MP1C	Y	-64.878	1.5
89	MP1C	My	.016	1.5
90	MP1C	Mz	-.028	1.5
91	OVP	Y	-119.976	1
92	OVP	My	0	1
93	OVP	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	-96.81	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-96.81	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	-39.677	2.5
9	MP4B	Mx	.029	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	-39.677	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
12	MP4B	Mx	.029	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	-89.919	2.5
15	MP4C	Mx	-.023	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	-89.919	4.5
18	MP4C	Mx	-.023	4.5
19	MP1A	X	0	1.5
20	MP1A	Z	-252.736	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	5.5
23	MP1A	Z	-252.736	5.5
24	MP1A	Mx	0	5.5
25	MP1B	X	0	1.5
26	MP1B	Z	-122.488	1.5
27	MP1B	Mx	.09	1.5
28	MP1B	X	0	5.5
29	MP1B	Z	-122.488	5.5
30	MP1B	Mx	.09	5.5
31	MP1C	X	0	1.5
32	MP1C	Z	-237.026	1.5
33	MP1C	Mx	-.061	1.5
34	MP1C	X	0	5.5
35	MP1C	Z	-237.026	5.5
36	MP1C	Mx	-.061	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	-252.736	1.5
39	MP3A	Mx	0	1.5
40	MP3A	X	0	5.5
41	MP3A	Z	-252.736	5.5
42	MP3A	Mx	0	5.5
43	MP3B	X	0	1.5
44	MP3B	Z	-122.488	1.5
45	MP3B	Mx	.09	1.5
46	MP3B	X	0	5.5
47	MP3B	Z	-122.488	5.5
48	MP3B	Mx	.09	5.5
49	MP3C	X	0	1.5
50	MP3C	Z	-237.026	1.5
51	MP3C	Mx	-.061	1.5
52	MP3C	X	0	5.5
53	MP3C	Z	-237.026	5.5
54	MP3C	Mx	-.061	5.5
55	MP2A	X	0	1.5
56	MP2A	Z	-18.332	1.5
57	MP2A	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	-18.332	2.5
60	MP2A	Mx	0	2.5
61	MP2B	X	0	1.5
62	MP2B	Z	-4.039	1.5
63	MP2B	Mx	.003	1.5
64	MP2B	X	0	2.5
65	MP2B	Z	-4.039	2.5
66	MP2B	Mx	.003	2.5
67	MP2C	X	0	1.5
68	MP2C	Z	-16.608	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
69	MP2C	Mx	-.004	1.5
70	MP2C	X	0	2.5
71	MP2C	Z	-16.608	2.5
72	MP2C	Mx	-.004	2.5
73	MP3A	X	0	1.5
74	MP3A	Z	-57.88	1.5
75	MP3A	Mx	.025	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	-57.88	1.5
78	MP3B	Mx	.025	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	-57.88	1.5
81	MP3C	Mx	.025	1.5
82	MP1A	X	0	1.5
83	MP1A	Z	-50.542	1.5
84	MP1A	Mx	.022	1.5
85	MP1B	X	0	1.5
86	MP1B	Z	-50.542	1.5
87	MP1B	Mx	.022	1.5
88	MP1C	X	0	1.5
89	MP1C	Z	-50.542	1.5
90	MP1C	Mx	.022	1.5
91	OVP	X	0	1
92	OVP	Z	-116.543	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	41.041	2.5
2	MP4A	Z	-71.086	2.5
3	MP4A	Mx	-.031	2.5
4	MP4A	X	41.041	4.5
5	MP4A	Z	-71.086	4.5
6	MP4A	Mx	-.031	4.5
7	MP4B	X	31.12	2.5
8	MP4B	Z	-53.902	2.5
9	MP4B	Mx	.036	2.5
10	MP4B	X	31.12	4.5
11	MP4B	Z	-53.902	4.5
12	MP4B	Mx	.036	4.5
13	MP4C	X	47.517	2.5
14	MP4C	Z	-82.302	2.5
15	MP4C	Mx	.012	2.5
16	MP4C	X	47.517	4.5
17	MP4C	Z	-82.302	4.5
18	MP4C	Mx	.012	4.5
19	MP1A	X	109.581	1.5
20	MP1A	Z	-189.8	1.5
21	MP1A	Mx	-.082	1.5
22	MP1A	X	109.581	5.5
23	MP1A	Z	-189.8	5.5
24	MP1A	Mx	-.082	5.5
25	MP1B	X	86.963	1.5
26	MP1B	Z	-150.625	1.5
27	MP1B	Mx	.1	1.5
28	MP1B	X	86.963	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
29	MP1B	Z	-150.625	5.5
30	MP1B	Mx	.1	5.5
31	MP1C	X	124.343	1.5
32	MP1C	Z	-215.369	1.5
33	MP1C	Mx	.032	1.5
34	MP1C	X	124.343	5.5
35	MP1C	Z	-215.369	5.5
36	MP1C	Mx	.032	5.5
37	MP3A	X	109.581	1.5
38	MP3A	Z	-189.8	1.5
39	MP3A	Mx	-.082	1.5
40	MP3A	X	109.581	5.5
41	MP3A	Z	-189.8	5.5
42	MP3A	Mx	-.082	5.5
43	MP3B	X	86.963	1.5
44	MP3B	Z	-150.625	1.5
45	MP3B	Mx	.1	1.5
46	MP3B	X	86.963	5.5
47	MP3B	Z	-150.625	5.5
48	MP3B	Mx	.1	5.5
49	MP3C	X	124.343	1.5
50	MP3C	Z	-215.369	1.5
51	MP3C	Mx	.032	1.5
52	MP3C	X	124.343	5.5
53	MP3C	Z	-215.369	5.5
54	MP3C	Mx	.032	5.5
55	MP2A	X	7.324	1.5
56	MP2A	Z	-12.685	1.5
57	MP2A	Mx	-.005	1.5
58	MP2A	X	7.324	2.5
59	MP2A	Z	-12.685	2.5
60	MP2A	Mx	-.005	2.5
61	MP2B	X	4.842	1.5
62	MP2B	Z	-8.387	1.5
63	MP2B	Mx	.006	1.5
64	MP2B	X	4.842	2.5
65	MP2B	Z	-8.387	2.5
66	MP2B	Mx	.006	2.5
67	MP2C	X	8.944	1.5
68	MP2C	Z	-15.491	1.5
69	MP2C	Mx	.002	1.5
70	MP2C	X	8.944	2.5
71	MP2C	Z	-15.491	2.5
72	MP2C	Mx	.002	2.5
73	MP3A	X	25.747	1.5
74	MP3A	Z	-44.596	1.5
75	MP3A	Mx	.026	1.5
76	MP3B	X	25.747	1.5
77	MP3B	Z	-44.596	1.5
78	MP3B	Mx	.026	1.5
79	MP3C	X	25.747	1.5
80	MP3C	Z	-44.596	1.5
81	MP3C	Mx	.026	1.5
82	MP1A	X	20.855	1.5
83	MP1A	Z	-36.123	1.5
84	MP1A	Mx	.021	1.5
85	MP1B	X	20.855	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
86	MP1B	Z	-36.123	1.5
87	MP1B	Mx	.021	1.5
88	MP1C	X	20.855	1.5
89	MP1C	Z	-36.123	1.5
90	MP1C	Mx	.021	1.5
91	OVP	X	51.674	1
92	OVP	Z	-89.501	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	45.577	2.5
2	MP4A	Z	-26.314	2.5
3	MP4A	Mx	-.034	2.5
4	MP4A	X	45.577	4.5
5	MP4A	Z	-26.314	4.5
6	MP4A	Mx	-.034	4.5
7	MP4B	X	77.872	2.5
8	MP4B	Z	-44.96	2.5
9	MP4B	Mx	.023	2.5
10	MP4B	X	77.872	4.5
11	MP4B	Z	-44.96	4.5
12	MP4B	Mx	.023	4.5
13	MP4C	X	62.761	2.5
14	MP4C	Z	-36.235	2.5
15	MP4C	Mx	.035	2.5
16	MP4C	X	62.761	4.5
17	MP4C	Z	-36.235	4.5
18	MP4C	Mx	.035	4.5
19	MP1A	X	131.647	1.5
20	MP1A	Z	-76.006	1.5
21	MP1A	Mx	-.099	1.5
22	MP1A	X	131.647	5.5
23	MP1A	Z	-76.006	5.5
24	MP1A	Mx	-.099	5.5
25	MP1B	X	205.271	1.5
26	MP1B	Z	-118.513	1.5
27	MP1B	Mx	.061	1.5
28	MP1B	X	205.271	5.5
29	MP1B	Z	-118.513	5.5
30	MP1B	Mx	.061	5.5
31	MP1C	X	170.821	1.5
32	MP1C	Z	-98.624	1.5
33	MP1C	Mx	.095	1.5
34	MP1C	X	170.821	5.5
35	MP1C	Z	-98.624	5.5
36	MP1C	Mx	.095	5.5
37	MP3A	X	131.647	1.5
38	MP3A	Z	-76.006	1.5
39	MP3A	Mx	-.099	1.5
40	MP3A	X	131.647	5.5
41	MP3A	Z	-76.006	5.5
42	MP3A	Mx	-.099	5.5
43	MP3B	X	205.271	1.5
44	MP3B	Z	-118.513	1.5
45	MP3B	Mx	.061	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
46	MP3B	X	205.271	5.5
47	MP3B	Z	-118.513	5.5
48	MP3B	Mx	.061	5.5
49	MP3C	X	170.821	1.5
50	MP3C	Z	-98.624	1.5
51	MP3C	Mx	.095	1.5
52	MP3C	X	170.821	5.5
53	MP3C	Z	-98.624	5.5
54	MP3C	Mx	.095	5.5
55	MP2A	X	6.304	1.5
56	MP2A	Z	-3.64	1.5
57	MP2A	Mx	-.005	1.5
58	MP2A	X	6.304	2.5
59	MP2A	Z	-3.64	2.5
60	MP2A	Mx	-.005	2.5
61	MP2B	X	14.383	1.5
62	MP2B	Z	-8.304	1.5
63	MP2B	Mx	.004	1.5
64	MP2B	X	14.383	2.5
65	MP2B	Z	-8.304	2.5
66	MP2B	Mx	.004	2.5
67	MP2C	X	10.603	1.5
68	MP2C	Z	-6.122	1.5
69	MP2C	Mx	.006	1.5
70	MP2C	X	10.603	2.5
71	MP2C	Z	-6.122	2.5
72	MP2C	Mx	.006	2.5
73	MP3A	X	50.126	1.5
74	MP3A	Z	-28.94	1.5
75	MP3A	Mx	.025	1.5
76	MP3B	X	50.126	1.5
77	MP3B	Z	-28.94	1.5
78	MP3B	Mx	.025	1.5
79	MP3C	X	50.126	1.5
80	MP3C	Z	-28.94	1.5
81	MP3C	Mx	.025	1.5
82	MP1A	X	43.771	1.5
83	MP1A	Z	-25.271	1.5
84	MP1A	Mx	.022	1.5
85	MP1B	X	43.771	1.5
86	MP1B	Z	-25.271	1.5
87	MP1B	Mx	.022	1.5
88	MP1C	X	43.771	1.5
89	MP1C	Z	-25.271	1.5
90	MP1C	Mx	.022	1.5
91	OVP	X	100.93	1
92	OVP	Z	-58.272	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	37.901	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-.028	2.5
4	MP4A	X	37.901	4.5
5	MP4A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
6	MP4A	Mx	-.028	4.5
7	MP4B	X	95.034	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	-.012	2.5
10	MP4B	X	95.034	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	-.012	4.5
13	MP4C	X	44.792	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	.032	2.5
16	MP4C	X	44.792	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	.032	4.5
19	MP1A	X	118.438	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.089	1.5
22	MP1A	X	118.438	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	-.089	5.5
25	MP1B	X	248.687	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.032	1.5
28	MP1B	X	248.687	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	-.032	5.5
31	MP1C	X	134.148	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.095	1.5
34	MP1C	X	134.148	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	.095	5.5
37	MP3A	X	118.438	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.089	1.5
40	MP3A	X	118.438	5.5
41	MP3A	Z	0	5.5
42	MP3A	Mx	-.089	5.5
43	MP3B	X	248.687	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.032	1.5
46	MP3B	X	248.687	5.5
47	MP3B	Z	0	5.5
48	MP3B	Mx	-.032	5.5
49	MP3C	X	134.148	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.095	1.5
52	MP3C	X	134.148	5.5
53	MP3C	Z	0	5.5
54	MP3C	Mx	.095	5.5
55	MP2A	X	3.595	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	-.003	1.5
58	MP2A	X	3.595	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	-.003	2.5
61	MP2B	X	17.888	1.5
62	MP2B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
63	MP2B	Mx	-.002	1.5
64	MP2B	X	17.888	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	-.002	2.5
67	MP2C	X	5.319	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	.004	1.5
70	MP2C	X	5.319	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	.004	2.5
73	MP3A	X	70.651	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	.018	1.5
76	MP3B	X	70.651	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	.018	1.5
79	MP3C	X	70.651	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	.018	1.5
82	MP1A	X	68.205	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	.017	1.5
85	MP1B	X	68.205	1.5
86	MP1B	Z	0	1.5
87	MP1B	Mx	.017	1.5
88	MP1C	X	68.205	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.017	1.5
91	OVP	X	142.936	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	45.577	2.5
2	MP4A	Z	26.314	2.5
3	MP4A	Mx	-.034	2.5
4	MP4A	X	45.577	4.5
5	MP4A	Z	26.314	4.5
6	MP4A	Mx	-.034	4.5
7	MP4B	X	62.761	2.5
8	MP4B	Z	36.235	2.5
9	MP4B	Mx	-.035	2.5
10	MP4B	X	62.761	4.5
11	MP4B	Z	36.235	4.5
12	MP4B	Mx	-.035	4.5
13	MP4C	X	34.362	2.5
14	MP4C	Z	19.839	2.5
15	MP4C	Mx	.029	2.5
16	MP4C	X	34.362	4.5
17	MP4C	Z	19.839	4.5
18	MP4C	Mx	.029	4.5
19	MP1A	X	131.647	1.5
20	MP1A	Z	76.006	1.5
21	MP1A	Mx	-.099	1.5
22	MP1A	X	131.647	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
23	MP1A	Z	76.006	5.5
24	MP1A	Mx	-.099	5.5
25	MP1B	X	170.821	1.5
26	MP1B	Z	98.624	1.5
27	MP1B	Mx	-.095	1.5
28	MP1B	X	170.821	5.5
29	MP1B	Z	98.624	5.5
30	MP1B	Mx	-.095	5.5
31	MP1C	X	106.077	1.5
32	MP1C	Z	61.244	1.5
33	MP1C	Mx	.09	1.5
34	MP1C	X	106.077	5.5
35	MP1C	Z	61.244	5.5
36	MP1C	Mx	.09	5.5
37	MP3A	X	131.647	1.5
38	MP3A	Z	76.006	1.5
39	MP3A	Mx	-.099	1.5
40	MP3A	X	131.647	5.5
41	MP3A	Z	76.006	5.5
42	MP3A	Mx	-.099	5.5
43	MP3B	X	170.821	1.5
44	MP3B	Z	98.624	1.5
45	MP3B	Mx	-.095	1.5
46	MP3B	X	170.821	5.5
47	MP3B	Z	98.624	5.5
48	MP3B	Mx	-.095	5.5
49	MP3C	X	106.077	1.5
50	MP3C	Z	61.244	1.5
51	MP3C	Mx	.09	1.5
52	MP3C	X	106.077	5.5
53	MP3C	Z	61.244	5.5
54	MP3C	Mx	.09	5.5
55	MP2A	X	6.304	1.5
56	MP2A	Z	3.64	1.5
57	MP2A	Mx	-.005	1.5
58	MP2A	X	6.304	2.5
59	MP2A	Z	3.64	2.5
60	MP2A	Mx	-.005	2.5
61	MP2B	X	10.603	1.5
62	MP2B	Z	6.122	1.5
63	MP2B	Mx	-.006	1.5
64	MP2B	X	10.603	2.5
65	MP2B	Z	6.122	2.5
66	MP2B	Mx	-.006	2.5
67	MP2C	X	3.498	1.5
68	MP2C	Z	2.02	1.5
69	MP2C	Mx	.003	1.5
70	MP2C	X	3.498	2.5
71	MP2C	Z	2.02	2.5
72	MP2C	Mx	.003	2.5
73	MP3A	X	66.715	1.5
74	MP3A	Z	38.518	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	66.715	1.5
77	MP3B	Z	38.518	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	66.715	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
80	MP3C	Z	38.518	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	66.715	1.5
83	MP1A	Z	38.518	1.5
84	MP1A	Mx	0	1.5
85	MP1B	X	66.715	1.5
86	MP1B	Z	38.518	1.5
87	MP1B	Mx	0	1.5
88	MP1C	X	66.715	1.5
89	MP1C	Z	38.518	1.5
90	MP1C	Mx	0	1.5
91	OVP	X	135.214	1
92	OVP	Z	78.066	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	41.041	2.5
2	MP4A	Z	71.086	2.5
3	MP4A	Mx	-.031	2.5
4	MP4A	X	41.041	4.5
5	MP4A	Z	71.086	4.5
6	MP4A	Mx	-.031	4.5
7	MP4B	X	22.396	2.5
8	MP4B	Z	38.791	2.5
9	MP4B	Mx	-.032	2.5
10	MP4B	X	22.396	4.5
11	MP4B	Z	38.791	4.5
12	MP4B	Mx	-.032	4.5
13	MP4C	X	31.12	2.5
14	MP4C	Z	53.902	2.5
15	MP4C	Mx	.036	2.5
16	MP4C	X	31.12	4.5
17	MP4C	Z	53.902	4.5
18	MP4C	Mx	.036	4.5
19	MP1A	X	109.581	1.5
20	MP1A	Z	189.8	1.5
21	MP1A	Mx	-.082	1.5
22	MP1A	X	109.581	5.5
23	MP1A	Z	189.8	5.5
24	MP1A	Mx	-.082	5.5
25	MP1B	X	67.074	1.5
26	MP1B	Z	116.176	1.5
27	MP1B	Mx	-.095	1.5
28	MP1B	X	67.074	5.5
29	MP1B	Z	116.176	5.5
30	MP1B	Mx	-.095	5.5
31	MP1C	X	86.963	1.5
32	MP1C	Z	150.625	1.5
33	MP1C	Mx	.1	1.5
34	MP1C	X	86.963	5.5
35	MP1C	Z	150.625	5.5
36	MP1C	Mx	.1	5.5
37	MP3A	X	109.581	1.5
38	MP3A	Z	189.8	1.5
39	MP3A	Mx	-.082	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
40	MP3A	X	109.581	5.5
41	MP3A	Z	189.8	5.5
42	MP3A	Mx	-.082	5.5
43	MP3B	X	67.074	1.5
44	MP3B	Z	116.176	1.5
45	MP3B	Mx	-.095	1.5
46	MP3B	X	67.074	5.5
47	MP3B	Z	116.176	5.5
48	MP3B	Mx	-.095	5.5
49	MP3C	X	86.963	1.5
50	MP3C	Z	150.625	1.5
51	MP3C	Mx	.1	1.5
52	MP3C	X	86.963	5.5
53	MP3C	Z	150.625	5.5
54	MP3C	Mx	.1	5.5
55	MP2A	X	7.324	1.5
56	MP2A	Z	12.685	1.5
57	MP2A	Mx	-.005	1.5
58	MP2A	X	7.324	2.5
59	MP2A	Z	12.685	2.5
60	MP2A	Mx	-.005	2.5
61	MP2B	X	2.659	1.5
62	MP2B	Z	4.606	1.5
63	MP2B	Mx	-.004	1.5
64	MP2B	X	2.659	2.5
65	MP2B	Z	4.606	2.5
66	MP2B	Mx	-.004	2.5
67	MP2C	X	4.842	1.5
68	MP2C	Z	8.387	1.5
69	MP2C	Mx	.006	1.5
70	MP2C	X	4.842	2.5
71	MP2C	Z	8.387	2.5
72	MP2C	Mx	.006	2.5
73	MP3A	X	35.325	1.5
74	MP3A	Z	61.185	1.5
75	MP3A	Mx	-.018	1.5
76	MP3B	X	35.325	1.5
77	MP3B	Z	61.185	1.5
78	MP3B	Mx	-.018	1.5
79	MP3C	X	35.325	1.5
80	MP3C	Z	61.185	1.5
81	MP3C	Mx	-.018	1.5
82	MP1A	X	34.102	1.5
83	MP1A	Z	59.067	1.5
84	MP1A	Mx	-.017	1.5
85	MP1B	X	34.102	1.5
86	MP1B	Z	59.067	1.5
87	MP1B	Mx	-.017	1.5
88	MP1C	X	34.102	1.5
89	MP1C	Z	59.067	1.5
90	MP1C	Mx	-.017	1.5
91	OVP	X	71.468	1
92	OVP	Z	123.786	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
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Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	96.81	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	96.81	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	39.677	2.5
9	MP4B	Mx	-.029	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	39.677	4.5
12	MP4B	Mx	-.029	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	89.919	2.5
15	MP4C	Mx	.023	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	89.919	4.5
18	MP4C	Mx	.023	4.5
19	MP1A	X	0	1.5
20	MP1A	Z	252.736	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	5.5
23	MP1A	Z	252.736	5.5
24	MP1A	Mx	0	5.5
25	MP1B	X	0	1.5
26	MP1B	Z	122.488	1.5
27	MP1B	Mx	-.09	1.5
28	MP1B	X	0	5.5
29	MP1B	Z	122.488	5.5
30	MP1B	Mx	-.09	5.5
31	MP1C	X	0	1.5
32	MP1C	Z	237.026	1.5
33	MP1C	Mx	.061	1.5
34	MP1C	X	0	5.5
35	MP1C	Z	237.026	5.5
36	MP1C	Mx	.061	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	252.736	1.5
39	MP3A	Mx	0	1.5
40	MP3A	X	0	5.5
41	MP3A	Z	252.736	5.5
42	MP3A	Mx	0	5.5
43	MP3B	X	0	1.5
44	MP3B	Z	122.488	1.5
45	MP3B	Mx	-.09	1.5
46	MP3B	X	0	5.5
47	MP3B	Z	122.488	5.5
48	MP3B	Mx	-.09	5.5
49	MP3C	X	0	1.5
50	MP3C	Z	237.026	1.5
51	MP3C	Mx	.061	1.5
52	MP3C	X	0	5.5
53	MP3C	Z	237.026	5.5
54	MP3C	Mx	.061	5.5
55	MP2A	X	0	1.5
56	MP2A	Z	18.332	1.5
57	MP2A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
58	MP2A	X	0	2.5
59	MP2A	Z	18.332	2.5
60	MP2A	Mx	0	2.5
61	MP2B	X	0	1.5
62	MP2B	Z	4.039	1.5
63	MP2B	Mx	-.003	1.5
64	MP2B	X	0	2.5
65	MP2B	Z	4.039	2.5
66	MP2B	Mx	-.003	2.5
67	MP2C	X	0	1.5
68	MP2C	Z	16.608	1.5
69	MP2C	Mx	.004	1.5
70	MP2C	X	0	2.5
71	MP2C	Z	16.608	2.5
72	MP2C	Mx	.004	2.5
73	MP3A	X	0	1.5
74	MP3A	Z	57.88	1.5
75	MP3A	Mx	-.025	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	57.88	1.5
78	MP3B	Mx	-.025	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	57.88	1.5
81	MP3C	Mx	-.025	1.5
82	MP1A	X	0	1.5
83	MP1A	Z	50.542	1.5
84	MP1A	Mx	-.022	1.5
85	MP1B	X	0	1.5
86	MP1B	Z	50.542	1.5
87	MP1B	Mx	-.022	1.5
88	MP1C	X	0	1.5
89	MP1C	Z	50.542	1.5
90	MP1C	Mx	-.022	1.5
91	OVP	X	0	1
92	OVP	Z	116.543	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-41.041	2.5
2	MP4A	Z	71.086	2.5
3	MP4A	Mx	.031	2.5
4	MP4A	X	-41.041	4.5
5	MP4A	Z	71.086	4.5
6	MP4A	Mx	.031	4.5
7	MP4B	X	-31.12	2.5
8	MP4B	Z	53.902	2.5
9	MP4B	Mx	-.036	2.5
10	MP4B	X	-31.12	4.5
11	MP4B	Z	53.902	4.5
12	MP4B	Mx	-.036	4.5
13	MP4C	X	-47.517	2.5
14	MP4C	Z	82.302	2.5
15	MP4C	Mx	-.012	2.5
16	MP4C	X	-47.517	4.5
17	MP4C	Z	82.302	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
18	MP4C	Mx	-.012	4.5
19	MP1A	X	-109.581	1.5
20	MP1A	Z	189.8	1.5
21	MP1A	Mx	.082	1.5
22	MP1A	X	-109.581	5.5
23	MP1A	Z	189.8	5.5
24	MP1A	Mx	.082	5.5
25	MP1B	X	-86.963	1.5
26	MP1B	Z	150.625	1.5
27	MP1B	Mx	-.1	1.5
28	MP1B	X	-86.963	5.5
29	MP1B	Z	150.625	5.5
30	MP1B	Mx	-.1	5.5
31	MP1C	X	-124.343	1.5
32	MP1C	Z	215.369	1.5
33	MP1C	Mx	-.032	1.5
34	MP1C	X	-124.343	5.5
35	MP1C	Z	215.369	5.5
36	MP1C	Mx	-.032	5.5
37	MP3A	X	-109.581	1.5
38	MP3A	Z	189.8	1.5
39	MP3A	Mx	.082	1.5
40	MP3A	X	-109.581	5.5
41	MP3A	Z	189.8	5.5
42	MP3A	Mx	.082	5.5
43	MP3B	X	-86.963	1.5
44	MP3B	Z	150.625	1.5
45	MP3B	Mx	-.1	1.5
46	MP3B	X	-86.963	5.5
47	MP3B	Z	150.625	5.5
48	MP3B	Mx	-.1	5.5
49	MP3C	X	-124.343	1.5
50	MP3C	Z	215.369	1.5
51	MP3C	Mx	-.032	1.5
52	MP3C	X	-124.343	5.5
53	MP3C	Z	215.369	5.5
54	MP3C	Mx	-.032	5.5
55	MP2A	X	-7.324	1.5
56	MP2A	Z	12.685	1.5
57	MP2A	Mx	.005	1.5
58	MP2A	X	-7.324	2.5
59	MP2A	Z	12.685	2.5
60	MP2A	Mx	.005	2.5
61	MP2B	X	-4.842	1.5
62	MP2B	Z	8.387	1.5
63	MP2B	Mx	-.006	1.5
64	MP2B	X	-4.842	2.5
65	MP2B	Z	8.387	2.5
66	MP2B	Mx	-.006	2.5
67	MP2C	X	-8.944	1.5
68	MP2C	Z	15.491	1.5
69	MP2C	Mx	-.002	1.5
70	MP2C	X	-8.944	2.5
71	MP2C	Z	15.491	2.5
72	MP2C	Mx	-.002	2.5
73	MP3A	X	-25.747	1.5
74	MP3A	Z	44.596	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft, %]
75	MP3A	Mx	-.026	1.5
76	MP3B	X	-25.747	1.5
77	MP3B	Z	44.596	1.5
78	MP3B	Mx	-.026	1.5
79	MP3C	X	-25.747	1.5
80	MP3C	Z	44.596	1.5
81	MP3C	Mx	-.026	1.5
82	MP1A	X	-20.855	1.5
83	MP1A	Z	36.123	1.5
84	MP1A	Mx	-.021	1.5
85	MP1B	X	-20.855	1.5
86	MP1B	Z	36.123	1.5
87	MP1B	Mx	-.021	1.5
88	MP1C	X	-20.855	1.5
89	MP1C	Z	36.123	1.5
90	MP1C	Mx	-.021	1.5
91	OVP	X	-51.674	1
92	OVP	Z	89.501	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft, %]
1	MP4A	X	-45.577	2.5
2	MP4A	Z	26.314	2.5
3	MP4A	Mx	.034	2.5
4	MP4A	X	-45.577	4.5
5	MP4A	Z	26.314	4.5
6	MP4A	Mx	.034	4.5
7	MP4B	X	-77.872	2.5
8	MP4B	Z	44.96	2.5
9	MP4B	Mx	-.023	2.5
10	MP4B	X	-77.872	4.5
11	MP4B	Z	44.96	4.5
12	MP4B	Mx	-.023	4.5
13	MP4C	X	-62.761	2.5
14	MP4C	Z	36.235	2.5
15	MP4C	Mx	-.035	2.5
16	MP4C	X	-62.761	4.5
17	MP4C	Z	36.235	4.5
18	MP4C	Mx	-.035	4.5
19	MP1A	X	-131.647	1.5
20	MP1A	Z	76.006	1.5
21	MP1A	Mx	.099	1.5
22	MP1A	X	-131.647	5.5
23	MP1A	Z	76.006	5.5
24	MP1A	Mx	.099	5.5
25	MP1B	X	-205.271	1.5
26	MP1B	Z	118.513	1.5
27	MP1B	Mx	-.061	1.5
28	MP1B	X	-205.271	5.5
29	MP1B	Z	118.513	5.5
30	MP1B	Mx	-.061	5.5
31	MP1C	X	-170.821	1.5
32	MP1C	Z	98.624	1.5
33	MP1C	Mx	-.095	1.5
34	MP1C	X	-170.821	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
35	MP1C	Z	98.624	5.5
36	MP1C	Mx	-.095	5.5
37	MP3A	X	-131.647	1.5
38	MP3A	Z	76.006	1.5
39	MP3A	Mx	.099	1.5
40	MP3A	X	-131.647	5.5
41	MP3A	Z	76.006	5.5
42	MP3A	Mx	.099	5.5
43	MP3B	X	-205.271	1.5
44	MP3B	Z	118.513	1.5
45	MP3B	Mx	-.061	1.5
46	MP3B	X	-205.271	5.5
47	MP3B	Z	118.513	5.5
48	MP3B	Mx	-.061	5.5
49	MP3C	X	-170.821	1.5
50	MP3C	Z	98.624	1.5
51	MP3C	Mx	-.095	1.5
52	MP3C	X	-170.821	5.5
53	MP3C	Z	98.624	5.5
54	MP3C	Mx	-.095	5.5
55	MP2A	X	-6.304	1.5
56	MP2A	Z	3.64	1.5
57	MP2A	Mx	.005	1.5
58	MP2A	X	-6.304	2.5
59	MP2A	Z	3.64	2.5
60	MP2A	Mx	.005	2.5
61	MP2B	X	-14.383	1.5
62	MP2B	Z	8.304	1.5
63	MP2B	Mx	-.004	1.5
64	MP2B	X	-14.383	2.5
65	MP2B	Z	8.304	2.5
66	MP2B	Mx	-.004	2.5
67	MP2C	X	-10.603	1.5
68	MP2C	Z	6.122	1.5
69	MP2C	Mx	-.006	1.5
70	MP2C	X	-10.603	2.5
71	MP2C	Z	6.122	2.5
72	MP2C	Mx	-.006	2.5
73	MP3A	X	-50.126	1.5
74	MP3A	Z	28.94	1.5
75	MP3A	Mx	-.025	1.5
76	MP3B	X	-50.126	1.5
77	MP3B	Z	28.94	1.5
78	MP3B	Mx	-.025	1.5
79	MP3C	X	-50.126	1.5
80	MP3C	Z	28.94	1.5
81	MP3C	Mx	-.025	1.5
82	MP1A	X	-43.771	1.5
83	MP1A	Z	25.271	1.5
84	MP1A	Mx	-.022	1.5
85	MP1B	X	-43.771	1.5
86	MP1B	Z	25.271	1.5
87	MP1B	Mx	-.022	1.5
88	MP1C	X	-43.771	1.5
89	MP1C	Z	25.271	1.5
90	MP1C	Mx	-.022	1.5
91	OVP	X	-100.93	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
92	OVP	Z	58.272	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-37.901	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	.028	2.5
4	MP4A	X	-37.901	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	.028	4.5
7	MP4B	X	-95.034	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	.012	2.5
10	MP4B	X	-95.034	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	.012	4.5
13	MP4C	X	-44.792	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	-.032	2.5
16	MP4C	X	-44.792	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	-.032	4.5
19	MP1A	X	-118.438	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.089	1.5
22	MP1A	X	-118.438	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	.089	5.5
25	MP1B	X	-248.687	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.032	1.5
28	MP1B	X	-248.687	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	.032	5.5
31	MP1C	X	-134.148	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.095	1.5
34	MP1C	X	-134.148	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	-.095	5.5
37	MP3A	X	-118.438	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.089	1.5
40	MP3A	X	-118.438	5.5
41	MP3A	Z	0	5.5
42	MP3A	Mx	.089	5.5
43	MP3B	X	-248.687	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.032	1.5
46	MP3B	X	-248.687	5.5
47	MP3B	Z	0	5.5
48	MP3B	Mx	.032	5.5
49	MP3C	X	-134.148	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.095	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
52	MP3C	X	-134.148	5.5
53	MP3C	Z	0	5.5
54	MP3C	Mx	-.095	5.5
55	MP2A	X	-3.595	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	.003	1.5
58	MP2A	X	-3.595	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	.003	2.5
61	MP2B	X	-17.888	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	.002	1.5
64	MP2B	X	-17.888	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	.002	2.5
67	MP2C	X	-5.319	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	-.004	1.5
70	MP2C	X	-5.319	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	-.004	2.5
73	MP3A	X	-70.651	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	-.018	1.5
76	MP3B	X	-70.651	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	-.018	1.5
79	MP3C	X	-70.651	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	-.018	1.5
82	MP1A	X	-68.205	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	-.017	1.5
85	MP1B	X	-68.205	1.5
86	MP1B	Z	0	1.5
87	MP1B	Mx	-.017	1.5
88	MP1C	X	-68.205	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.017	1.5
91	OVP	X	-142.936	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-45.577	2.5
2	MP4A	Z	-26.314	2.5
3	MP4A	Mx	.034	2.5
4	MP4A	X	-45.577	4.5
5	MP4A	Z	-26.314	4.5
6	MP4A	Mx	.034	4.5
7	MP4B	X	-62.761	2.5
8	MP4B	Z	-36.235	2.5
9	MP4B	Mx	.035	2.5
10	MP4B	X	-62.761	4.5
11	MP4B	Z	-36.235	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
12	MP4B	Mx	.035	4.5
13	MP4C	X	-34.362	2.5
14	MP4C	Z	-19.839	2.5
15	MP4C	Mx	-.029	2.5
16	MP4C	X	-34.362	4.5
17	MP4C	Z	-19.839	4.5
18	MP4C	Mx	-.029	4.5
19	MP1A	X	-131.647	1.5
20	MP1A	Z	-76.006	1.5
21	MP1A	Mx	.099	1.5
22	MP1A	X	-131.647	5.5
23	MP1A	Z	-76.006	5.5
24	MP1A	Mx	.099	5.5
25	MP1B	X	-170.821	1.5
26	MP1B	Z	-98.624	1.5
27	MP1B	Mx	.095	1.5
28	MP1B	X	-170.821	5.5
29	MP1B	Z	-98.624	5.5
30	MP1B	Mx	.095	5.5
31	MP1C	X	-106.077	1.5
32	MP1C	Z	-61.244	1.5
33	MP1C	Mx	-.09	1.5
34	MP1C	X	-106.077	5.5
35	MP1C	Z	-61.244	5.5
36	MP1C	Mx	-.09	5.5
37	MP3A	X	-131.647	1.5
38	MP3A	Z	-76.006	1.5
39	MP3A	Mx	.099	1.5
40	MP3A	X	-131.647	5.5
41	MP3A	Z	-76.006	5.5
42	MP3A	Mx	.099	5.5
43	MP3B	X	-170.821	1.5
44	MP3B	Z	-98.624	1.5
45	MP3B	Mx	.095	1.5
46	MP3B	X	-170.821	5.5
47	MP3B	Z	-98.624	5.5
48	MP3B	Mx	.095	5.5
49	MP3C	X	-106.077	1.5
50	MP3C	Z	-61.244	1.5
51	MP3C	Mx	-.09	1.5
52	MP3C	X	-106.077	5.5
53	MP3C	Z	-61.244	5.5
54	MP3C	Mx	-.09	5.5
55	MP2A	X	-6.304	1.5
56	MP2A	Z	-3.64	1.5
57	MP2A	Mx	.005	1.5
58	MP2A	X	-6.304	2.5
59	MP2A	Z	-3.64	2.5
60	MP2A	Mx	.005	2.5
61	MP2B	X	-10.603	1.5
62	MP2B	Z	-6.122	1.5
63	MP2B	Mx	.006	1.5
64	MP2B	X	-10.603	2.5
65	MP2B	Z	-6.122	2.5
66	MP2B	Mx	.006	2.5
67	MP2C	X	-3.498	1.5
68	MP2C	Z	-2.02	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
69	MP2C	Mx	-.003	1.5
70	MP2C	X	-3.498	2.5
71	MP2C	Z	-2.02	2.5
72	MP2C	Mx	-.003	2.5
73	MP3A	X	-66.715	1.5
74	MP3A	Z	-38.518	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	-66.715	1.5
77	MP3B	Z	-38.518	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	-66.715	1.5
80	MP3C	Z	-38.518	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	-66.715	1.5
83	MP1A	Z	-38.518	1.5
84	MP1A	Mx	0	1.5
85	MP1B	X	-66.715	1.5
86	MP1B	Z	-38.518	1.5
87	MP1B	Mx	0	1.5
88	MP1C	X	-66.715	1.5
89	MP1C	Z	-38.518	1.5
90	MP1C	Mx	0	1.5
91	OVP	X	-135.214	1
92	OVP	Z	-78.066	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-41.041	2.5
2	MP4A	Z	-71.086	2.5
3	MP4A	Mx	.031	2.5
4	MP4A	X	-41.041	4.5
5	MP4A	Z	-71.086	4.5
6	MP4A	Mx	.031	4.5
7	MP4B	X	-22.396	2.5
8	MP4B	Z	-38.791	2.5
9	MP4B	Mx	.032	2.5
10	MP4B	X	-22.396	4.5
11	MP4B	Z	-38.791	4.5
12	MP4B	Mx	.032	4.5
13	MP4C	X	-31.12	2.5
14	MP4C	Z	-53.902	2.5
15	MP4C	Mx	-.036	2.5
16	MP4C	X	-31.12	4.5
17	MP4C	Z	-53.902	4.5
18	MP4C	Mx	-.036	4.5
19	MP1A	X	-109.581	1.5
20	MP1A	Z	-189.8	1.5
21	MP1A	Mx	.082	1.5
22	MP1A	X	-109.581	5.5
23	MP1A	Z	-189.8	5.5
24	MP1A	Mx	.082	5.5
25	MP1B	X	-67.074	1.5
26	MP1B	Z	-116.176	1.5
27	MP1B	Mx	.095	1.5
28	MP1B	X	-67.074	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
29	MP1B	Z	-116.176	5.5
30	MP1B	Mx	.095	5.5
31	MP1C	X	-86.963	1.5
32	MP1C	Z	-150.625	1.5
33	MP1C	Mx	-.1	1.5
34	MP1C	X	-86.963	5.5
35	MP1C	Z	-150.625	5.5
36	MP1C	Mx	-.1	5.5
37	MP3A	X	-109.581	1.5
38	MP3A	Z	-189.8	1.5
39	MP3A	Mx	.082	1.5
40	MP3A	X	-109.581	5.5
41	MP3A	Z	-189.8	5.5
42	MP3A	Mx	.082	5.5
43	MP3B	X	-67.074	1.5
44	MP3B	Z	-116.176	1.5
45	MP3B	Mx	.095	1.5
46	MP3B	X	-67.074	5.5
47	MP3B	Z	-116.176	5.5
48	MP3B	Mx	.095	5.5
49	MP3C	X	-86.963	1.5
50	MP3C	Z	-150.625	1.5
51	MP3C	Mx	-.1	1.5
52	MP3C	X	-86.963	5.5
53	MP3C	Z	-150.625	5.5
54	MP3C	Mx	-.1	5.5
55	MP2A	X	-7.324	1.5
56	MP2A	Z	-12.685	1.5
57	MP2A	Mx	.005	1.5
58	MP2A	X	-7.324	2.5
59	MP2A	Z	-12.685	2.5
60	MP2A	Mx	.005	2.5
61	MP2B	X	-2.659	1.5
62	MP2B	Z	-4.606	1.5
63	MP2B	Mx	.004	1.5
64	MP2B	X	-2.659	2.5
65	MP2B	Z	-4.606	2.5
66	MP2B	Mx	.004	2.5
67	MP2C	X	-4.842	1.5
68	MP2C	Z	-8.387	1.5
69	MP2C	Mx	-.006	1.5
70	MP2C	X	-4.842	2.5
71	MP2C	Z	-8.387	2.5
72	MP2C	Mx	-.006	2.5
73	MP3A	X	-35.325	1.5
74	MP3A	Z	-61.185	1.5
75	MP3A	Mx	.018	1.5
76	MP3B	X	-35.325	1.5
77	MP3B	Z	-61.185	1.5
78	MP3B	Mx	.018	1.5
79	MP3C	X	-35.325	1.5
80	MP3C	Z	-61.185	1.5
81	MP3C	Mx	.018	1.5
82	MP1A	X	-34.102	1.5
83	MP1A	Z	-59.067	1.5
84	MP1A	Mx	.017	1.5
85	MP1B	X	-34.102	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
86	MP1B	Z	-59.067	1.5
87	MP1B	Mx	.017	1.5
88	MP1C	X	-34.102	1.5
89	MP1C	Z	-59.067	1.5
90	MP1C	Mx	.017	1.5
91	OVP	X	-71.468	1
92	OVP	Z	-123.786	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	-20.82	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-20.82	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	-9.597	2.5
9	MP4B	Mx	.007	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	-9.597	4.5
12	MP4B	Mx	.007	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	-19.467	2.5
15	MP4C	Mx	-.005	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	-19.467	4.5
18	MP4C	Mx	-.005	4.5
19	MP1A	X	0	1.5
20	MP1A	Z	-50.8	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	5.5
23	MP1A	Z	-50.8	5.5
24	MP1A	Mx	0	5.5
25	MP1B	X	0	1.5
26	MP1B	Z	-26.628	1.5
27	MP1B	Mx	.02	1.5
28	MP1B	X	0	5.5
29	MP1B	Z	-26.628	5.5
30	MP1B	Mx	.02	5.5
31	MP1C	X	0	1.5
32	MP1C	Z	-47.885	1.5
33	MP1C	Mx	-.012	1.5
34	MP1C	X	0	5.5
35	MP1C	Z	-47.885	5.5
36	MP1C	Mx	-.012	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	-50.8	1.5
39	MP3A	Mx	0	1.5
40	MP3A	X	0	5.5
41	MP3A	Z	-50.8	5.5
42	MP3A	Mx	0	5.5
43	MP3B	X	0	1.5
44	MP3B	Z	-26.628	1.5
45	MP3B	Mx	.02	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
46	MP3B	X	0	5.5
47	MP3B	Z	-26.628	5.5
48	MP3B	Mx	.02	5.5
49	MP3C	X	0	1.5
50	MP3C	Z	-47.885	1.5
51	MP3C	Mx	-.012	1.5
52	MP3C	X	0	5.5
53	MP3C	Z	-47.885	5.5
54	MP3C	Mx	-.012	5.5
55	MP2A	X	0	1.5
56	MP2A	Z	-4.821	1.5
57	MP2A	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	-4.821	2.5
60	MP2A	Mx	0	2.5
61	MP2B	X	0	1.5
62	MP2B	Z	-1.735	1.5
63	MP2B	Mx	.001	1.5
64	MP2B	X	0	2.5
65	MP2B	Z	-1.735	2.5
66	MP2B	Mx	.001	2.5
67	MP2C	X	0	1.5
68	MP2C	Z	-4.449	1.5
69	MP2C	Mx	-.001	1.5
70	MP2C	X	0	2.5
71	MP2C	Z	-4.449	2.5
72	MP2C	Mx	-.001	2.5
73	MP3A	X	0	1.5
74	MP3A	Z	-14.102	1.5
75	MP3A	Mx	.006	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	-14.102	1.5
78	MP3B	Mx	.006	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	-14.102	1.5
81	MP3C	Mx	.006	1.5
82	MP1A	X	0	1.5
83	MP1A	Z	-12.607	1.5
84	MP1A	Mx	.005	1.5
85	MP1B	X	0	1.5
86	MP1B	Z	-12.607	1.5
87	MP1B	Mx	.005	1.5
88	MP1C	X	0	1.5
89	MP1C	Z	-12.607	1.5
90	MP1C	Mx	.005	1.5
91	OVP	X	0	1
92	OVP	Z	-26.234	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	8.964	2.5
2	MP4A	Z	-15.525	2.5
3	MP4A	Mx	-.007	2.5
4	MP4A	X	8.964	4.5
5	MP4A	Z	-15.525	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
6	MP4A	Mx	-.007	4.5
7	MP4B	X	7.015	2.5
8	MP4B	Z	-12.15	2.5
9	MP4B	Mx	.008	2.5
10	MP4B	X	7.015	4.5
11	MP4B	Z	-12.15	4.5
12	MP4B	Mx	.008	4.5
13	MP4C	X	10.236	2.5
14	MP4C	Z	-17.729	2.5
15	MP4C	Mx	.003	2.5
16	MP4C	X	10.236	4.5
17	MP4C	Z	-17.729	4.5
18	MP4C	Mx	.003	4.5
19	MP1A	X	22.285	1.5
20	MP1A	Z	-38.598	1.5
21	MP1A	Mx	-.017	1.5
22	MP1A	X	22.285	5.5
23	MP1A	Z	-38.598	5.5
24	MP1A	Mx	-.017	5.5
25	MP1B	X	18.087	1.5
26	MP1B	Z	-31.328	1.5
27	MP1B	Mx	.021	1.5
28	MP1B	X	18.087	5.5
29	MP1B	Z	-31.328	5.5
30	MP1B	Mx	.021	5.5
31	MP1C	X	25.024	1.5
32	MP1C	Z	-43.343	1.5
33	MP1C	Mx	.007	1.5
34	MP1C	X	25.024	5.5
35	MP1C	Z	-43.343	5.5
36	MP1C	Mx	.007	5.5
37	MP3A	X	22.285	1.5
38	MP3A	Z	-38.598	1.5
39	MP3A	Mx	-.017	1.5
40	MP3A	X	22.285	5.5
41	MP3A	Z	-38.598	5.5
42	MP3A	Mx	-.017	5.5
43	MP3B	X	18.087	1.5
44	MP3B	Z	-31.328	1.5
45	MP3B	Mx	.021	1.5
46	MP3B	X	18.087	5.5
47	MP3B	Z	-31.328	5.5
48	MP3B	Mx	.021	5.5
49	MP3C	X	25.024	1.5
50	MP3C	Z	-43.343	1.5
51	MP3C	Mx	.007	1.5
52	MP3C	X	25.024	5.5
53	MP3C	Z	-43.343	5.5
54	MP3C	Mx	.007	5.5
55	MP2A	X	2.013	1.5
56	MP2A	Z	-3.487	1.5
57	MP2A	Mx	-.002	1.5
58	MP2A	X	2.013	2.5
59	MP2A	Z	-3.487	2.5
60	MP2A	Mx	-.002	2.5
61	MP2B	X	1.477	1.5
62	MP2B	Z	-2.558	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
63	MP2B	Mx	.002	1.5
64	MP2B	X	1.477	2.5
65	MP2B	Z	-2.558	2.5
66	MP2B	Mx	.002	2.5
67	MP2C	X	2.363	1.5
68	MP2C	Z	-4.092	1.5
69	MP2C	Mx	.000616	1.5
70	MP2C	X	2.363	2.5
71	MP2C	Z	-4.092	2.5
72	MP2C	Mx	.000616	2.5
73	MP3A	X	6.395	1.5
74	MP3A	Z	-11.077	1.5
75	MP3A	Mx	.006	1.5
76	MP3B	X	6.395	1.5
77	MP3B	Z	-11.077	1.5
78	MP3B	Mx	.006	1.5
79	MP3C	X	6.395	1.5
80	MP3C	Z	-11.077	1.5
81	MP3C	Mx	.006	1.5
82	MP1A	X	5.399	1.5
83	MP1A	Z	-9.351	1.5
84	MP1A	Mx	.005	1.5
85	MP1B	X	5.399	1.5
86	MP1B	Z	-9.351	1.5
87	MP1B	Mx	.005	1.5
88	MP1C	X	5.399	1.5
89	MP1C	Z	-9.351	1.5
90	MP1C	Mx	.005	1.5
91	OVP	X	11.831	1
92	OVP	Z	-20.491	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	10.514	2.5
2	MP4A	Z	-6.07	2.5
3	MP4A	Mx	-.008	2.5
4	MP4A	X	10.514	4.5
5	MP4A	Z	-6.07	4.5
6	MP4A	Mx	-.008	4.5
7	MP4B	X	16.858	2.5
8	MP4B	Z	-9.733	2.5
9	MP4B	Mx	.005	2.5
10	MP4B	X	16.858	4.5
11	MP4B	Z	-9.733	4.5
12	MP4B	Mx	.005	4.5
13	MP4C	X	13.89	2.5
14	MP4C	Z	-8.019	2.5
15	MP4C	Mx	.008	2.5
16	MP4C	X	13.89	4.5
17	MP4C	Z	-8.019	4.5
18	MP4C	Mx	.008	4.5
19	MP1A	X	27.806	1.5
20	MP1A	Z	-16.054	1.5
21	MP1A	Mx	-.021	1.5
22	MP1A	X	27.806	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
23	MP1A	Z	-16.054	5.5
24	MP1A	Mx	-.021	5.5
25	MP1B	X	41.469	1.5
26	MP1B	Z	-23.942	1.5
27	MP1B	Mx	.012	1.5
28	MP1B	X	41.469	5.5
29	MP1B	Z	-23.942	5.5
30	MP1B	Mx	.012	5.5
31	MP1C	X	35.076	1.5
32	MP1C	Z	-20.251	1.5
33	MP1C	Mx	.02	1.5
34	MP1C	X	35.076	5.5
35	MP1C	Z	-20.251	5.5
36	MP1C	Mx	.02	5.5
37	MP3A	X	27.806	1.5
38	MP3A	Z	-16.054	1.5
39	MP3A	Mx	-.021	1.5
40	MP3A	X	27.806	5.5
41	MP3A	Z	-16.054	5.5
42	MP3A	Mx	-.021	5.5
43	MP3B	X	41.469	1.5
44	MP3B	Z	-23.942	1.5
45	MP3B	Mx	.012	1.5
46	MP3B	X	41.469	5.5
47	MP3B	Z	-23.942	5.5
48	MP3B	Mx	.012	5.5
49	MP3C	X	35.076	1.5
50	MP3C	Z	-20.251	1.5
51	MP3C	Mx	.02	1.5
52	MP3C	X	35.076	5.5
53	MP3C	Z	-20.251	5.5
54	MP3C	Mx	.02	5.5
55	MP2A	X	2.109	1.5
56	MP2A	Z	-1.217	1.5
57	MP2A	Mx	-.002	1.5
58	MP2A	X	2.109	2.5
59	MP2A	Z	-1.217	2.5
60	MP2A	Mx	-.002	2.5
61	MP2B	X	3.853	1.5
62	MP2B	Z	-2.225	1.5
63	MP2B	Mx	.001	1.5
64	MP2B	X	3.853	2.5
65	MP2B	Z	-2.225	2.5
66	MP2B	Mx	.001	2.5
67	MP2C	X	3.037	1.5
68	MP2C	Z	-1.753	1.5
69	MP2C	Mx	.002	1.5
70	MP2C	X	3.037	2.5
71	MP2C	Z	-1.753	2.5
72	MP2C	Mx	.002	2.5
73	MP3A	X	12.213	1.5
74	MP3A	Z	-7.051	1.5
75	MP3A	Mx	.006	1.5
76	MP3B	X	12.213	1.5
77	MP3B	Z	-7.051	1.5
78	MP3B	Mx	.006	1.5
79	MP3C	X	12.213	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft, %]
80	MP3C	Z	-7.051	1.5
81	MP3C	Mx	.006	1.5
82	MP1A	X	10.918	1.5
83	MP1A	Z	-6.304	1.5
84	MP1A	Mx	.005	1.5
85	MP1B	X	10.918	1.5
86	MP1B	Z	-6.304	1.5
87	MP1B	Mx	.005	1.5
88	MP1C	X	10.918	1.5
89	MP1C	Z	-6.304	1.5
90	MP1C	Mx	.005	1.5
91	OVP	X	22.72	1
92	OVP	Z	-13.117	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft, %]
1	MP4A	X	9.248	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-.007	2.5
4	MP4A	X	9.248	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-.007	4.5
7	MP4B	X	20.471	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	-.003	2.5
10	MP4B	X	20.471	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	-.003	4.5
13	MP4C	X	10.601	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	.007	2.5
16	MP4C	X	10.601	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	.007	4.5
19	MP1A	X	25.876	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.019	1.5
22	MP1A	X	25.876	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	-.019	5.5
25	MP1B	X	50.049	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.007	1.5
28	MP1B	X	50.049	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	-.007	5.5
31	MP1C	X	28.792	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.02	1.5
34	MP1C	X	28.792	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	.02	5.5
37	MP3A	X	25.876	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.019	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
40	MP3A	X	25.876	5.5
41	MP3A	Z	0	5.5
42	MP3A	Mx	-.019	5.5
43	MP3B	X	50.049	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.007	1.5
46	MP3B	X	50.049	5.5
47	MP3B	Z	0	5.5
48	MP3B	Mx	-.007	5.5
49	MP3C	X	28.792	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.02	1.5
52	MP3C	X	28.792	5.5
53	MP3C	Z	0	5.5
54	MP3C	Mx	.02	5.5
55	MP2A	X	1.639	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	-.001	1.5
58	MP2A	X	1.639	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	-.001	2.5
61	MP2B	X	4.725	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	-.000615	1.5
64	MP2B	X	4.725	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	-.000615	2.5
67	MP2C	X	2.012	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	.001	1.5
70	MP2C	X	2.012	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	.001	2.5
73	MP3A	X	16.725	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	.004	1.5
76	MP3B	X	16.725	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	.004	1.5
79	MP3C	X	16.725	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	.004	1.5
82	MP1A	X	16.227	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	.004	1.5
85	MP1B	X	16.227	1.5
86	MP1B	Z	0	1.5
87	MP1B	Mx	.004	1.5
88	MP1C	X	16.227	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.004	1.5
91	OVP	X	31.38	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
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Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	10.514	2.5
2	MP4A	Z	6.07	2.5
3	MP4A	Mx	-.008	2.5
4	MP4A	X	10.514	4.5
5	MP4A	Z	6.07	4.5
6	MP4A	Mx	-.008	4.5
7	MP4B	X	13.89	2.5
8	MP4B	Z	8.019	2.5
9	MP4B	Mx	-.008	2.5
10	MP4B	X	13.89	4.5
11	MP4B	Z	8.019	4.5
12	MP4B	Mx	-.008	4.5
13	MP4C	X	8.311	2.5
14	MP4C	Z	4.798	2.5
15	MP4C	Mx	.007	2.5
16	MP4C	X	8.311	4.5
17	MP4C	Z	4.798	4.5
18	MP4C	Mx	.007	4.5
19	MP1A	X	27.806	1.5
20	MP1A	Z	16.054	1.5
21	MP1A	Mx	-.021	1.5
22	MP1A	X	27.806	5.5
23	MP1A	Z	16.054	5.5
24	MP1A	Mx	-.021	5.5
25	MP1B	X	35.076	1.5
26	MP1B	Z	20.251	1.5
27	MP1B	Mx	-.02	1.5
28	MP1B	X	35.076	5.5
29	MP1B	Z	20.251	5.5
30	MP1B	Mx	-.02	5.5
31	MP1C	X	23.061	1.5
32	MP1C	Z	13.314	1.5
33	MP1C	Mx	.02	1.5
34	MP1C	X	23.061	5.5
35	MP1C	Z	13.314	5.5
36	MP1C	Mx	.02	5.5
37	MP3A	X	27.806	1.5
38	MP3A	Z	16.054	1.5
39	MP3A	Mx	-.021	1.5
40	MP3A	X	27.806	5.5
41	MP3A	Z	16.054	5.5
42	MP3A	Mx	-.021	5.5
43	MP3B	X	35.076	1.5
44	MP3B	Z	20.251	1.5
45	MP3B	Mx	-.02	1.5
46	MP3B	X	35.076	5.5
47	MP3B	Z	20.251	5.5
48	MP3B	Mx	-.02	5.5
49	MP3C	X	23.061	1.5
50	MP3C	Z	13.314	1.5
51	MP3C	Mx	.02	1.5
52	MP3C	X	23.061	5.5
53	MP3C	Z	13.314	5.5
54	MP3C	Mx	.02	5.5
55	MP2A	X	2.109	1.5
56	MP2A	Z	1.217	1.5
57	MP2A	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
58	MP2A	X	2.109	2.5
59	MP2A	Z	1.217	2.5
60	MP2A	Mx	-.002	2.5
61	MP2B	X	3.037	1.5
62	MP2B	Z	1.753	1.5
63	MP2B	Mx	-.002	1.5
64	MP2B	X	3.037	2.5
65	MP2B	Z	1.753	2.5
66	MP2B	Mx	-.002	2.5
67	MP2C	X	1.503	1.5
68	MP2C	Z	.868	1.5
69	MP2C	Mx	.001	1.5
70	MP2C	X	1.503	2.5
71	MP2C	Z	.868	2.5
72	MP2C	Mx	.001	2.5
73	MP3A	X	15.62	1.5
74	MP3A	Z	9.018	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	15.62	1.5
77	MP3B	Z	9.018	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	15.62	1.5
80	MP3C	Z	9.018	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	15.62	1.5
83	MP1A	Z	9.018	1.5
84	MP1A	Mx	0	1.5
85	MP1B	X	15.62	1.5
86	MP1B	Z	9.018	1.5
87	MP1B	Mx	0	1.5
88	MP1C	X	15.62	1.5
89	MP1C	Z	9.018	1.5
90	MP1C	Mx	0	1.5
91	OVP	X	29.404	1
92	OVP	Z	16.977	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	8.964	2.5
2	MP4A	Z	15.525	2.5
3	MP4A	Mx	-.007	2.5
4	MP4A	X	8.964	4.5
5	MP4A	Z	15.525	4.5
6	MP4A	Mx	-.007	4.5
7	MP4B	X	5.301	2.5
8	MP4B	Z	9.181	2.5
9	MP4B	Mx	-.007	2.5
10	MP4B	X	5.301	4.5
11	MP4B	Z	9.181	4.5
12	MP4B	Mx	-.007	4.5
13	MP4C	X	7.015	2.5
14	MP4C	Z	12.15	2.5
15	MP4C	Mx	.008	2.5
16	MP4C	X	7.015	4.5
17	MP4C	Z	12.15	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
18	MP4C	Mx	.008	4.5
19	MP1A	X	22.285	1.5
20	MP1A	Z	38.598	1.5
21	MP1A	Mx	-.017	1.5
22	MP1A	X	22.285	5.5
23	MP1A	Z	38.598	5.5
24	MP1A	Mx	-.017	5.5
25	MP1B	X	14.396	1.5
26	MP1B	Z	24.935	1.5
27	MP1B	Mx	-.02	1.5
28	MP1B	X	14.396	5.5
29	MP1B	Z	24.935	5.5
30	MP1B	Mx	-.02	5.5
31	MP1C	X	18.087	1.5
32	MP1C	Z	31.328	1.5
33	MP1C	Mx	.021	1.5
34	MP1C	X	18.087	5.5
35	MP1C	Z	31.328	5.5
36	MP1C	Mx	.021	5.5
37	MP3A	X	22.285	1.5
38	MP3A	Z	38.598	1.5
39	MP3A	Mx	-.017	1.5
40	MP3A	X	22.285	5.5
41	MP3A	Z	38.598	5.5
42	MP3A	Mx	-.017	5.5
43	MP3B	X	14.396	1.5
44	MP3B	Z	24.935	1.5
45	MP3B	Mx	-.02	1.5
46	MP3B	X	14.396	5.5
47	MP3B	Z	24.935	5.5
48	MP3B	Mx	-.02	5.5
49	MP3C	X	18.087	1.5
50	MP3C	Z	31.328	1.5
51	MP3C	Mx	.021	1.5
52	MP3C	X	18.087	5.5
53	MP3C	Z	31.328	5.5
54	MP3C	Mx	.021	5.5
55	MP2A	X	2.013	1.5
56	MP2A	Z	3.487	1.5
57	MP2A	Mx	-.002	1.5
58	MP2A	X	2.013	2.5
59	MP2A	Z	3.487	2.5
60	MP2A	Mx	-.002	2.5
61	MP2B	X	1.006	1.5
62	MP2B	Z	1.742	1.5
63	MP2B	Mx	-.001	1.5
64	MP2B	X	1.006	2.5
65	MP2B	Z	1.742	2.5
66	MP2B	Mx	-.001	2.5
67	MP2C	X	1.477	1.5
68	MP2C	Z	2.558	1.5
69	MP2C	Mx	.002	1.5
70	MP2C	X	1.477	2.5
71	MP2C	Z	2.558	2.5
72	MP2C	Mx	.002	2.5
73	MP3A	X	8.362	1.5
74	MP3A	Z	14.484	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
75	MP3A	Mx	-.004	1.5
76	MP3B	X	8.362	1.5
77	MP3B	Z	14.484	1.5
78	MP3B	Mx	-.004	1.5
79	MP3C	X	8.362	1.5
80	MP3C	Z	14.484	1.5
81	MP3C	Mx	-.004	1.5
82	MP1A	X	8.113	1.5
83	MP1A	Z	14.053	1.5
84	MP1A	Mx	-.004	1.5
85	MP1B	X	8.113	1.5
86	MP1B	Z	14.053	1.5
87	MP1B	Mx	-.004	1.5
88	MP1C	X	8.113	1.5
89	MP1C	Z	14.053	1.5
90	MP1C	Mx	-.004	1.5
91	OVP	X	15.69	1
92	OVP	Z	27.176	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	20.82	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	20.82	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	9.597	2.5
9	MP4B	Mx	-.007	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	9.597	4.5
12	MP4B	Mx	-.007	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	19.467	2.5
15	MP4C	Mx	.005	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	19.467	4.5
18	MP4C	Mx	.005	4.5
19	MP1A	X	0	1.5
20	MP1A	Z	50.8	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	5.5
23	MP1A	Z	50.8	5.5
24	MP1A	Mx	0	5.5
25	MP1B	X	0	1.5
26	MP1B	Z	26.628	1.5
27	MP1B	Mx	-.02	1.5
28	MP1B	X	0	5.5
29	MP1B	Z	26.628	5.5
30	MP1B	Mx	-.02	5.5
31	MP1C	X	0	1.5
32	MP1C	Z	47.885	1.5
33	MP1C	Mx	.012	1.5
34	MP1C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
35	MP1C	Z	47.885	5.5
36	MP1C	Mx	.012	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	50.8	1.5
39	MP3A	Mx	0	1.5
40	MP3A	X	0	5.5
41	MP3A	Z	50.8	5.5
42	MP3A	Mx	0	5.5
43	MP3B	X	0	1.5
44	MP3B	Z	26.628	1.5
45	MP3B	Mx	-.02	1.5
46	MP3B	X	0	5.5
47	MP3B	Z	26.628	5.5
48	MP3B	Mx	-.02	5.5
49	MP3C	X	0	1.5
50	MP3C	Z	47.885	1.5
51	MP3C	Mx	.012	1.5
52	MP3C	X	0	5.5
53	MP3C	Z	47.885	5.5
54	MP3C	Mx	.012	5.5
55	MP2A	X	0	1.5
56	MP2A	Z	4.821	1.5
57	MP2A	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	4.821	2.5
60	MP2A	Mx	0	2.5
61	MP2B	X	0	1.5
62	MP2B	Z	1.735	1.5
63	MP2B	Mx	-.001	1.5
64	MP2B	X	0	2.5
65	MP2B	Z	1.735	2.5
66	MP2B	Mx	-.001	2.5
67	MP2C	X	0	1.5
68	MP2C	Z	4.449	1.5
69	MP2C	Mx	.001	1.5
70	MP2C	X	0	2.5
71	MP2C	Z	4.449	2.5
72	MP2C	Mx	.001	2.5
73	MP3A	X	0	1.5
74	MP3A	Z	14.102	1.5
75	MP3A	Mx	-.006	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	14.102	1.5
78	MP3B	Mx	-.006	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	14.102	1.5
81	MP3C	Mx	-.006	1.5
82	MP1A	X	0	1.5
83	MP1A	Z	12.607	1.5
84	MP1A	Mx	-.005	1.5
85	MP1B	X	0	1.5
86	MP1B	Z	12.607	1.5
87	MP1B	Mx	-.005	1.5
88	MP1C	X	0	1.5
89	MP1C	Z	12.607	1.5
90	MP1C	Mx	-.005	1.5
91	OVP	X	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
92	OVP	Z	26.234	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-8.964	2.5
2	MP4A	Z	15.525	2.5
3	MP4A	Mx	.007	2.5
4	MP4A	X	-8.964	4.5
5	MP4A	Z	15.525	4.5
6	MP4A	Mx	.007	4.5
7	MP4B	X	-7.015	2.5
8	MP4B	Z	12.15	2.5
9	MP4B	Mx	-.008	2.5
10	MP4B	X	-7.015	4.5
11	MP4B	Z	12.15	4.5
12	MP4B	Mx	-.008	4.5
13	MP4C	X	-10.236	2.5
14	MP4C	Z	17.729	2.5
15	MP4C	Mx	-.003	2.5
16	MP4C	X	-10.236	4.5
17	MP4C	Z	17.729	4.5
18	MP4C	Mx	-.003	4.5
19	MP1A	X	-22.285	1.5
20	MP1A	Z	38.598	1.5
21	MP1A	Mx	.017	1.5
22	MP1A	X	-22.285	5.5
23	MP1A	Z	38.598	5.5
24	MP1A	Mx	.017	5.5
25	MP1B	X	-18.087	1.5
26	MP1B	Z	31.328	1.5
27	MP1B	Mx	-.021	1.5
28	MP1B	X	-18.087	5.5
29	MP1B	Z	31.328	5.5
30	MP1B	Mx	-.021	5.5
31	MP1C	X	-25.024	1.5
32	MP1C	Z	43.343	1.5
33	MP1C	Mx	-.007	1.5
34	MP1C	X	-25.024	5.5
35	MP1C	Z	43.343	5.5
36	MP1C	Mx	-.007	5.5
37	MP3A	X	-22.285	1.5
38	MP3A	Z	38.598	1.5
39	MP3A	Mx	.017	1.5
40	MP3A	X	-22.285	5.5
41	MP3A	Z	38.598	5.5
42	MP3A	Mx	.017	5.5
43	MP3B	X	-18.087	1.5
44	MP3B	Z	31.328	1.5
45	MP3B	Mx	-.021	1.5
46	MP3B	X	-18.087	5.5
47	MP3B	Z	31.328	5.5
48	MP3B	Mx	-.021	5.5
49	MP3C	X	-25.024	1.5
50	MP3C	Z	43.343	1.5
51	MP3C	Mx	-.007	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
52	MP3C	X	-25.024	5.5
53	MP3C	Z	43.343	5.5
54	MP3C	Mx	-.007	5.5
55	MP2A	X	-2.013	1.5
56	MP2A	Z	3.487	1.5
57	MP2A	Mx	.002	1.5
58	MP2A	X	-2.013	2.5
59	MP2A	Z	3.487	2.5
60	MP2A	Mx	.002	2.5
61	MP2B	X	-1.477	1.5
62	MP2B	Z	2.558	1.5
63	MP2B	Mx	-.002	1.5
64	MP2B	X	-1.477	2.5
65	MP2B	Z	2.558	2.5
66	MP2B	Mx	-.002	2.5
67	MP2C	X	-2.363	1.5
68	MP2C	Z	4.092	1.5
69	MP2C	Mx	-.000616	1.5
70	MP2C	X	-2.363	2.5
71	MP2C	Z	4.092	2.5
72	MP2C	Mx	-.000616	2.5
73	MP3A	X	-6.395	1.5
74	MP3A	Z	11.077	1.5
75	MP3A	Mx	-.006	1.5
76	MP3B	X	-6.395	1.5
77	MP3B	Z	11.077	1.5
78	MP3B	Mx	-.006	1.5
79	MP3C	X	-6.395	1.5
80	MP3C	Z	11.077	1.5
81	MP3C	Mx	-.006	1.5
82	MP1A	X	-5.399	1.5
83	MP1A	Z	9.351	1.5
84	MP1A	Mx	-.005	1.5
85	MP1B	X	-5.399	1.5
86	MP1B	Z	9.351	1.5
87	MP1B	Mx	-.005	1.5
88	MP1C	X	-5.399	1.5
89	MP1C	Z	9.351	1.5
90	MP1C	Mx	-.005	1.5
91	OVP	X	-11.831	1
92	OVP	Z	20.491	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-10.514	2.5
2	MP4A	Z	6.07	2.5
3	MP4A	Mx	.008	2.5
4	MP4A	X	-10.514	4.5
5	MP4A	Z	6.07	4.5
6	MP4A	Mx	.008	4.5
7	MP4B	X	-16.858	2.5
8	MP4B	Z	9.733	2.5
9	MP4B	Mx	-.005	2.5
10	MP4B	X	-16.858	4.5
11	MP4B	Z	9.733	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
12	MP4B	Mx	-.005	4.5
13	MP4C	X	-13.89	2.5
14	MP4C	Z	8.019	2.5
15	MP4C	Mx	-.008	2.5
16	MP4C	X	-13.89	4.5
17	MP4C	Z	8.019	4.5
18	MP4C	Mx	-.008	4.5
19	MP1A	X	-27.806	1.5
20	MP1A	Z	16.054	1.5
21	MP1A	Mx	.021	1.5
22	MP1A	X	-27.806	5.5
23	MP1A	Z	16.054	5.5
24	MP1A	Mx	.021	5.5
25	MP1B	X	-41.469	1.5
26	MP1B	Z	23.942	1.5
27	MP1B	Mx	-.012	1.5
28	MP1B	X	-41.469	5.5
29	MP1B	Z	23.942	5.5
30	MP1B	Mx	-.012	5.5
31	MP1C	X	-35.076	1.5
32	MP1C	Z	20.251	1.5
33	MP1C	Mx	-.02	1.5
34	MP1C	X	-35.076	5.5
35	MP1C	Z	20.251	5.5
36	MP1C	Mx	-.02	5.5
37	MP3A	X	-27.806	1.5
38	MP3A	Z	16.054	1.5
39	MP3A	Mx	.021	1.5
40	MP3A	X	-27.806	5.5
41	MP3A	Z	16.054	5.5
42	MP3A	Mx	.021	5.5
43	MP3B	X	-41.469	1.5
44	MP3B	Z	23.942	1.5
45	MP3B	Mx	-.012	1.5
46	MP3B	X	-41.469	5.5
47	MP3B	Z	23.942	5.5
48	MP3B	Mx	-.012	5.5
49	MP3C	X	-35.076	1.5
50	MP3C	Z	20.251	1.5
51	MP3C	Mx	-.02	1.5
52	MP3C	X	-35.076	5.5
53	MP3C	Z	20.251	5.5
54	MP3C	Mx	-.02	5.5
55	MP2A	X	-2.109	1.5
56	MP2A	Z	1.217	1.5
57	MP2A	Mx	.002	1.5
58	MP2A	X	-2.109	2.5
59	MP2A	Z	1.217	2.5
60	MP2A	Mx	.002	2.5
61	MP2B	X	-3.853	1.5
62	MP2B	Z	2.225	1.5
63	MP2B	Mx	-.001	1.5
64	MP2B	X	-3.853	2.5
65	MP2B	Z	2.225	2.5
66	MP2B	Mx	-.001	2.5
67	MP2C	X	-3.037	1.5
68	MP2C	Z	1.753	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
69	MP2C	Mx	-.002	1.5
70	MP2C	X	-3.037	2.5
71	MP2C	Z	1.753	2.5
72	MP2C	Mx	-.002	2.5
73	MP3A	X	-12.213	1.5
74	MP3A	Z	7.051	1.5
75	MP3A	Mx	-.006	1.5
76	MP3B	X	-12.213	1.5
77	MP3B	Z	7.051	1.5
78	MP3B	Mx	-.006	1.5
79	MP3C	X	-12.213	1.5
80	MP3C	Z	7.051	1.5
81	MP3C	Mx	-.006	1.5
82	MP1A	X	-10.918	1.5
83	MP1A	Z	6.304	1.5
84	MP1A	Mx	-.005	1.5
85	MP1B	X	-10.918	1.5
86	MP1B	Z	6.304	1.5
87	MP1B	Mx	-.005	1.5
88	MP1C	X	-10.918	1.5
89	MP1C	Z	6.304	1.5
90	MP1C	Mx	-.005	1.5
91	OVP	X	-22.72	1
92	OVP	Z	13.117	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-9.248	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	.007	2.5
4	MP4A	X	-9.248	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	.007	4.5
7	MP4B	X	-20.471	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	.003	2.5
10	MP4B	X	-20.471	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	.003	4.5
13	MP4C	X	-10.601	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	-.007	2.5
16	MP4C	X	-10.601	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	-.007	4.5
19	MP1A	X	-25.876	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.019	1.5
22	MP1A	X	-25.876	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	.019	5.5
25	MP1B	X	-50.049	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.007	1.5
28	MP1B	X	-50.049	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
29	MP1B	Z	0	5.5
30	MP1B	Mx	.007	5.5
31	MP1C	X	-28.792	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.02	1.5
34	MP1C	X	-28.792	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	-.02	5.5
37	MP3A	X	-25.876	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.019	1.5
40	MP3A	X	-25.876	5.5
41	MP3A	Z	0	5.5
42	MP3A	Mx	.019	5.5
43	MP3B	X	-50.049	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.007	1.5
46	MP3B	X	-50.049	5.5
47	MP3B	Z	0	5.5
48	MP3B	Mx	.007	5.5
49	MP3C	X	-28.792	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.02	1.5
52	MP3C	X	-28.792	5.5
53	MP3C	Z	0	5.5
54	MP3C	Mx	-.02	5.5
55	MP2A	X	-1.639	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	.001	1.5
58	MP2A	X	-1.639	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	.001	2.5
61	MP2B	X	-4.725	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	.000615	1.5
64	MP2B	X	-4.725	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	.000615	2.5
67	MP2C	X	-2.012	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	-.001	1.5
70	MP2C	X	-2.012	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	-.001	2.5
73	MP3A	X	-16.725	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	-.004	1.5
76	MP3B	X	-16.725	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	-.004	1.5
79	MP3C	X	-16.725	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	-.004	1.5
82	MP1A	X	-16.227	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	-.004	1.5
85	MP1B	X	-16.227	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
86	MP1B	Z	0	1.5
87	MP1B	Mx	-.004	1.5
88	MP1C	X	-16.227	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.004	1.5
91	OVP	X	-31.38	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-10.514	2.5
2	MP4A	Z	-6.07	2.5
3	MP4A	Mx	.008	2.5
4	MP4A	X	-10.514	4.5
5	MP4A	Z	-6.07	4.5
6	MP4A	Mx	.008	4.5
7	MP4B	X	-13.89	2.5
8	MP4B	Z	-8.019	2.5
9	MP4B	Mx	.008	2.5
10	MP4B	X	-13.89	4.5
11	MP4B	Z	-8.019	4.5
12	MP4B	Mx	.008	4.5
13	MP4C	X	-8.311	2.5
14	MP4C	Z	-4.798	2.5
15	MP4C	Mx	-.007	2.5
16	MP4C	X	-8.311	4.5
17	MP4C	Z	-4.798	4.5
18	MP4C	Mx	-.007	4.5
19	MP1A	X	-27.806	1.5
20	MP1A	Z	-16.054	1.5
21	MP1A	Mx	.021	1.5
22	MP1A	X	-27.806	5.5
23	MP1A	Z	-16.054	5.5
24	MP1A	Mx	.021	5.5
25	MP1B	X	-35.076	1.5
26	MP1B	Z	-20.251	1.5
27	MP1B	Mx	.02	1.5
28	MP1B	X	-35.076	5.5
29	MP1B	Z	-20.251	5.5
30	MP1B	Mx	.02	5.5
31	MP1C	X	-23.061	1.5
32	MP1C	Z	-13.314	1.5
33	MP1C	Mx	-.02	1.5
34	MP1C	X	-23.061	5.5
35	MP1C	Z	-13.314	5.5
36	MP1C	Mx	-.02	5.5
37	MP3A	X	-27.806	1.5
38	MP3A	Z	-16.054	1.5
39	MP3A	Mx	.021	1.5
40	MP3A	X	-27.806	5.5
41	MP3A	Z	-16.054	5.5
42	MP3A	Mx	.021	5.5
43	MP3B	X	-35.076	1.5
44	MP3B	Z	-20.251	1.5
45	MP3B	Mx	.02	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
46	MP3B	X	-35.076	5.5
47	MP3B	Z	-20.251	5.5
48	MP3B	Mx	.02	5.5
49	MP3C	X	-23.061	1.5
50	MP3C	Z	-13.314	1.5
51	MP3C	Mx	-.02	1.5
52	MP3C	X	-23.061	5.5
53	MP3C	Z	-13.314	5.5
54	MP3C	Mx	-.02	5.5
55	MP2A	X	-2.109	1.5
56	MP2A	Z	-1.217	1.5
57	MP2A	Mx	.002	1.5
58	MP2A	X	-2.109	2.5
59	MP2A	Z	-1.217	2.5
60	MP2A	Mx	.002	2.5
61	MP2B	X	-3.037	1.5
62	MP2B	Z	-1.753	1.5
63	MP2B	Mx	.002	1.5
64	MP2B	X	-3.037	2.5
65	MP2B	Z	-1.753	2.5
66	MP2B	Mx	.002	2.5
67	MP2C	X	-1.503	1.5
68	MP2C	Z	-.868	1.5
69	MP2C	Mx	-.001	1.5
70	MP2C	X	-1.503	2.5
71	MP2C	Z	-.868	2.5
72	MP2C	Mx	-.001	2.5
73	MP3A	X	-15.62	1.5
74	MP3A	Z	-9.018	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	-15.62	1.5
77	MP3B	Z	-9.018	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	-15.62	1.5
80	MP3C	Z	-9.018	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	-15.62	1.5
83	MP1A	Z	-9.018	1.5
84	MP1A	Mx	0	1.5
85	MP1B	X	-15.62	1.5
86	MP1B	Z	-9.018	1.5
87	MP1B	Mx	0	1.5
88	MP1C	X	-15.62	1.5
89	MP1C	Z	-9.018	1.5
90	MP1C	Mx	0	1.5
91	OVP	X	-29.404	1
92	OVP	Z	-16.977	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-8.964	2.5
2	MP4A	Z	-15.525	2.5
3	MP4A	Mx	.007	2.5
4	MP4A	X	-8.964	4.5
5	MP4A	Z	-15.525	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
6	MP4A	Mx	.007	4.5
7	MP4B	X	-5.301	2.5
8	MP4B	Z	-9.181	2.5
9	MP4B	Mx	.007	2.5
10	MP4B	X	-5.301	4.5
11	MP4B	Z	-9.181	4.5
12	MP4B	Mx	.007	4.5
13	MP4C	X	-7.015	2.5
14	MP4C	Z	-12.15	2.5
15	MP4C	Mx	-.008	2.5
16	MP4C	X	-7.015	4.5
17	MP4C	Z	-12.15	4.5
18	MP4C	Mx	-.008	4.5
19	MP1A	X	-22.285	1.5
20	MP1A	Z	-38.598	1.5
21	MP1A	Mx	.017	1.5
22	MP1A	X	-22.285	5.5
23	MP1A	Z	-38.598	5.5
24	MP1A	Mx	.017	5.5
25	MP1B	X	-14.396	1.5
26	MP1B	Z	-24.935	1.5
27	MP1B	Mx	.02	1.5
28	MP1B	X	-14.396	5.5
29	MP1B	Z	-24.935	5.5
30	MP1B	Mx	.02	5.5
31	MP1C	X	-18.087	1.5
32	MP1C	Z	-31.328	1.5
33	MP1C	Mx	-.021	1.5
34	MP1C	X	-18.087	5.5
35	MP1C	Z	-31.328	5.5
36	MP1C	Mx	-.021	5.5
37	MP3A	X	-22.285	1.5
38	MP3A	Z	-38.598	1.5
39	MP3A	Mx	.017	1.5
40	MP3A	X	-22.285	5.5
41	MP3A	Z	-38.598	5.5
42	MP3A	Mx	.017	5.5
43	MP3B	X	-14.396	1.5
44	MP3B	Z	-24.935	1.5
45	MP3B	Mx	.02	1.5
46	MP3B	X	-14.396	5.5
47	MP3B	Z	-24.935	5.5
48	MP3B	Mx	.02	5.5
49	MP3C	X	-18.087	1.5
50	MP3C	Z	-31.328	1.5
51	MP3C	Mx	-.021	1.5
52	MP3C	X	-18.087	5.5
53	MP3C	Z	-31.328	5.5
54	MP3C	Mx	-.021	5.5
55	MP2A	X	-2.013	1.5
56	MP2A	Z	-3.487	1.5
57	MP2A	Mx	.002	1.5
58	MP2A	X	-2.013	2.5
59	MP2A	Z	-3.487	2.5
60	MP2A	Mx	.002	2.5
61	MP2B	X	-1.006	1.5
62	MP2B	Z	-1.742	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft, %]
63	MP2B	Mx	.001	1.5
64	MP2B	X	-1.006	2.5
65	MP2B	Z	-1.742	2.5
66	MP2B	Mx	.001	2.5
67	MP2C	X	-1.477	1.5
68	MP2C	Z	-2.558	1.5
69	MP2C	Mx	-.002	1.5
70	MP2C	X	-1.477	2.5
71	MP2C	Z	-2.558	2.5
72	MP2C	Mx	-.002	2.5
73	MP3A	X	-8.362	1.5
74	MP3A	Z	-14.484	1.5
75	MP3A	Mx	.004	1.5
76	MP3B	X	-8.362	1.5
77	MP3B	Z	-14.484	1.5
78	MP3B	Mx	.004	1.5
79	MP3C	X	-8.362	1.5
80	MP3C	Z	-14.484	1.5
81	MP3C	Mx	.004	1.5
82	MP1A	X	-8.113	1.5
83	MP1A	Z	-14.053	1.5
84	MP1A	Mx	.004	1.5
85	MP1B	X	-8.113	1.5
86	MP1B	Z	-14.053	1.5
87	MP1B	Mx	.004	1.5
88	MP1C	X	-8.113	1.5
89	MP1C	Z	-14.053	1.5
90	MP1C	Mx	.004	1.5
91	OVP	X	-15.69	1
92	OVP	Z	-27.176	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft, %]
1	MP4A	X	0	2.5
2	MP4A	Z	-6.257	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-6.257	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	-2.565	2.5
9	MP4B	Mx	.002	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	-2.565	4.5
12	MP4B	Mx	.002	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	-5.812	2.5
15	MP4C	Mx	-.001	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	-5.812	4.5
18	MP4C	Mx	-.001	4.5
19	MP1A	X	0	1.5
20	MP1A	Z	-16.336	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
23	MP1A	Z	-16.336	5.5
24	MP1A	Mx	0	5.5
25	MP1B	X	0	1.5
26	MP1B	Z	-7.917	1.5
27	MP1B	Mx	.006	1.5
28	MP1B	X	0	5.5
29	MP1B	Z	-7.917	5.5
30	MP1B	Mx	.006	5.5
31	MP1C	X	0	1.5
32	MP1C	Z	-15.321	1.5
33	MP1C	Mx	-.004	1.5
34	MP1C	X	0	5.5
35	MP1C	Z	-15.321	5.5
36	MP1C	Mx	-.004	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	-16.336	1.5
39	MP3A	Mx	0	1.5
40	MP3A	X	0	5.5
41	MP3A	Z	-16.336	5.5
42	MP3A	Mx	0	5.5
43	MP3B	X	0	1.5
44	MP3B	Z	-7.917	1.5
45	MP3B	Mx	.006	1.5
46	MP3B	X	0	5.5
47	MP3B	Z	-7.917	5.5
48	MP3B	Mx	.006	5.5
49	MP3C	X	0	1.5
50	MP3C	Z	-15.321	1.5
51	MP3C	Mx	-.004	1.5
52	MP3C	X	0	5.5
53	MP3C	Z	-15.321	5.5
54	MP3C	Mx	-.004	5.5
55	MP2A	X	0	1.5
56	MP2A	Z	-1.185	1.5
57	MP2A	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	-1.185	2.5
60	MP2A	Mx	0	2.5
61	MP2B	X	0	1.5
62	MP2B	Z	-.261	1.5
63	MP2B	Mx	.000193	1.5
64	MP2B	X	0	2.5
65	MP2B	Z	-.261	2.5
66	MP2B	Mx	.000193	2.5
67	MP2C	X	0	1.5
68	MP2C	Z	-1.073	1.5
69	MP2C	Mx	-.000275	1.5
70	MP2C	X	0	2.5
71	MP2C	Z	-1.073	2.5
72	MP2C	Mx	-.000275	2.5
73	MP3A	X	0	1.5
74	MP3A	Z	-3.741	1.5
75	MP3A	Mx	.002	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	-3.741	1.5
78	MP3B	Mx	.002	1.5
79	MP3C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
80	MP3C	Z	-3.741	1.5
81	MP3C	Mx	.002	1.5
82	MP1A	X	0	1.5
83	MP1A	Z	-3.267	1.5
84	MP1A	Mx	.001	1.5
85	MP1B	X	0	1.5
86	MP1B	Z	-3.267	1.5
87	MP1B	Mx	.001	1.5
88	MP1C	X	0	1.5
89	MP1C	Z	-3.267	1.5
90	MP1C	Mx	.001	1.5
91	OVP	X	0	1
92	OVP	Z	-7.533	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	2.653	2.5
2	MP4A	Z	-4.595	2.5
3	MP4A	Mx	-.002	2.5
4	MP4A	X	2.653	4.5
5	MP4A	Z	-4.595	4.5
6	MP4A	Mx	-.002	4.5
7	MP4B	X	2.012	2.5
8	MP4B	Z	-3.484	2.5
9	MP4B	Mx	.002	2.5
10	MP4B	X	2.012	4.5
11	MP4B	Z	-3.484	4.5
12	MP4B	Mx	.002	4.5
13	MP4C	X	3.071	2.5
14	MP4C	Z	-5.32	2.5
15	MP4C	Mx	.0008	2.5
16	MP4C	X	3.071	4.5
17	MP4C	Z	-5.32	4.5
18	MP4C	Mx	.0008	4.5
19	MP1A	X	7.083	1.5
20	MP1A	Z	-12.268	1.5
21	MP1A	Mx	-.005	1.5
22	MP1A	X	7.083	5.5
23	MP1A	Z	-12.268	5.5
24	MP1A	Mx	-.005	5.5
25	MP1B	X	5.621	1.5
26	MP1B	Z	-9.736	1.5
27	MP1B	Mx	.006	1.5
28	MP1B	X	5.621	5.5
29	MP1B	Z	-9.736	5.5
30	MP1B	Mx	.006	5.5
31	MP1C	X	8.037	1.5
32	MP1C	Z	-13.921	1.5
33	MP1C	Mx	.002	1.5
34	MP1C	X	8.037	5.5
35	MP1C	Z	-13.921	5.5
36	MP1C	Mx	.002	5.5
37	MP3A	X	7.083	1.5
38	MP3A	Z	-12.268	1.5
39	MP3A	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
40	MP3A	X	7.083	5.5
41	MP3A	Z	-12.268	5.5
42	MP3A	Mx	-.005	5.5
43	MP3B	X	5.621	1.5
44	MP3B	Z	-9.736	1.5
45	MP3B	Mx	.006	1.5
46	MP3B	X	5.621	5.5
47	MP3B	Z	-9.736	5.5
48	MP3B	Mx	.006	5.5
49	MP3C	X	8.037	1.5
50	MP3C	Z	-13.921	1.5
51	MP3C	Mx	.002	1.5
52	MP3C	X	8.037	5.5
53	MP3C	Z	-13.921	5.5
54	MP3C	Mx	.002	5.5
55	MP2A	X	.473	1.5
56	MP2A	Z	-.82	1.5
57	MP2A	Mx	-.000355	1.5
58	MP2A	X	.473	2.5
59	MP2A	Z	-.82	2.5
60	MP2A	Mx	-.000355	2.5
61	MP2B	X	.313	1.5
62	MP2B	Z	-.542	1.5
63	MP2B	Mx	.00036	1.5
64	MP2B	X	.313	2.5
65	MP2B	Z	-.542	2.5
66	MP2B	Mx	.00036	2.5
67	MP2C	X	.578	1.5
68	MP2C	Z	-1.001	1.5
69	MP2C	Mx	.000151	1.5
70	MP2C	X	.578	2.5
71	MP2C	Z	-1.001	2.5
72	MP2C	Mx	.000151	2.5
73	MP3A	X	1.664	1.5
74	MP3A	Z	-2.883	1.5
75	MP3A	Mx	.002	1.5
76	MP3B	X	1.664	1.5
77	MP3B	Z	-2.883	1.5
78	MP3B	Mx	.002	1.5
79	MP3C	X	1.664	1.5
80	MP3C	Z	-2.883	1.5
81	MP3C	Mx	.002	1.5
82	MP1A	X	1.348	1.5
83	MP1A	Z	-2.335	1.5
84	MP1A	Mx	.001	1.5
85	MP1B	X	1.348	1.5
86	MP1B	Z	-2.335	1.5
87	MP1B	Mx	.001	1.5
88	MP1C	X	1.348	1.5
89	MP1C	Z	-2.335	1.5
90	MP1C	Mx	.001	1.5
91	OVP	X	3.34	1
92	OVP	Z	-5.785	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
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Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	2.946	2.5
2	MP4A	Z	-1.701	2.5
3	MP4A	Mx	-.002	2.5
4	MP4A	X	2.946	4.5
5	MP4A	Z	-1.701	4.5
6	MP4A	Mx	-.002	4.5
7	MP4B	X	5.033	2.5
8	MP4B	Z	-2.906	2.5
9	MP4B	Mx	.001	2.5
10	MP4B	X	5.033	4.5
11	MP4B	Z	-2.906	4.5
12	MP4B	Mx	.001	4.5
13	MP4C	X	4.057	2.5
14	MP4C	Z	-2.342	2.5
15	MP4C	Mx	.002	2.5
16	MP4C	X	4.057	4.5
17	MP4C	Z	-2.342	4.5
18	MP4C	Mx	.002	4.5
19	MP1A	X	8.509	1.5
20	MP1A	Z	-4.913	1.5
21	MP1A	Mx	-.006	1.5
22	MP1A	X	8.509	5.5
23	MP1A	Z	-4.913	5.5
24	MP1A	Mx	-.006	5.5
25	MP1B	X	13.268	1.5
26	MP1B	Z	-7.66	1.5
27	MP1B	Mx	.004	1.5
28	MP1B	X	13.268	5.5
29	MP1B	Z	-7.66	5.5
30	MP1B	Mx	.004	5.5
31	MP1C	X	11.041	1.5
32	MP1C	Z	-6.375	1.5
33	MP1C	Mx	.006	1.5
34	MP1C	X	11.041	5.5
35	MP1C	Z	-6.375	5.5
36	MP1C	Mx	.006	5.5
37	MP3A	X	8.509	1.5
38	MP3A	Z	-4.913	1.5
39	MP3A	Mx	-.006	1.5
40	MP3A	X	8.509	5.5
41	MP3A	Z	-4.913	5.5
42	MP3A	Mx	-.006	5.5
43	MP3B	X	13.268	1.5
44	MP3B	Z	-7.66	1.5
45	MP3B	Mx	.004	1.5
46	MP3B	X	13.268	5.5
47	MP3B	Z	-7.66	5.5
48	MP3B	Mx	.004	5.5
49	MP3C	X	11.041	1.5
50	MP3C	Z	-6.375	1.5
51	MP3C	Mx	.006	1.5
52	MP3C	X	11.041	5.5
53	MP3C	Z	-6.375	5.5
54	MP3C	Mx	.006	5.5
55	MP2A	X	.407	1.5
56	MP2A	Z	-.235	1.5
57	MP2A	Mx	-.000305	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
58	MP2A	X	.407	2.5
59	MP2A	Z	-.235	2.5
60	MP2A	Mx	-.000305	2.5
61	MP2B	X	.93	1.5
62	MP2B	Z	-.537	1.5
63	MP2B	Mx	.000276	1.5
64	MP2B	X	.93	2.5
65	MP2B	Z	-.537	2.5
66	MP2B	Mx	.000276	2.5
67	MP2C	X	.685	1.5
68	MP2C	Z	-.396	1.5
69	MP2C	Mx	.000381	1.5
70	MP2C	X	.685	2.5
71	MP2C	Z	-.396	2.5
72	MP2C	Mx	.000381	2.5
73	MP3A	X	3.24	1.5
74	MP3A	Z	-1.871	1.5
75	MP3A	Mx	.002	1.5
76	MP3B	X	3.24	1.5
77	MP3B	Z	-1.871	1.5
78	MP3B	Mx	.002	1.5
79	MP3C	X	3.24	1.5
80	MP3C	Z	-1.871	1.5
81	MP3C	Mx	.002	1.5
82	MP1A	X	2.829	1.5
83	MP1A	Z	-1.633	1.5
84	MP1A	Mx	.001	1.5
85	MP1B	X	2.829	1.5
86	MP1B	Z	-1.633	1.5
87	MP1B	Mx	.001	1.5
88	MP1C	X	2.829	1.5
89	MP1C	Z	-1.633	1.5
90	MP1C	Mx	.001	1.5
91	OVP	X	6.524	1
92	OVP	Z	-3.766	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	2.45	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-.002	2.5
4	MP4A	X	2.45	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-.002	4.5
7	MP4B	X	6.143	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	-.0008	2.5
10	MP4B	X	6.143	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	-.0008	4.5
13	MP4C	X	2.895	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	.002	2.5
16	MP4C	X	2.895	4.5
17	MP4C	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
18	MP4C	Mx	.002	4.5
19	MP1A	X	7.655	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.006	1.5
22	MP1A	X	7.655	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	-.006	5.5
25	MP1B	X	16.074	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.002	1.5
28	MP1B	X	16.074	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	-.002	5.5
31	MP1C	X	8.671	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.006	1.5
34	MP1C	X	8.671	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	.006	5.5
37	MP3A	X	7.655	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.006	1.5
40	MP3A	X	7.655	5.5
41	MP3A	Z	0	5.5
42	MP3A	Mx	-.006	5.5
43	MP3B	X	16.074	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.002	1.5
46	MP3B	X	16.074	5.5
47	MP3B	Z	0	5.5
48	MP3B	Mx	-.002	5.5
49	MP3C	X	8.671	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.006	1.5
52	MP3C	X	8.671	5.5
53	MP3C	Z	0	5.5
54	MP3C	Mx	.006	5.5
55	MP2A	X	.232	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	-.000174	1.5
58	MP2A	X	.232	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	-.000174	2.5
61	MP2B	X	1.156	1.5
62	MP2B	Z	0	1.5
63	MP2B	Mx	-.000151	1.5
64	MP2B	X	1.156	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	-.000151	2.5
67	MP2C	X	.344	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	.000242	1.5
70	MP2C	X	.344	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	.000242	2.5
73	MP3A	X	4.567	1.5
74	MP3A	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
75	MP3A	Mx	.001	1.5
76	MP3B	X	4.567	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	.001	1.5
79	MP3C	X	4.567	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	.001	1.5
82	MP1A	X	4.409	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	.001	1.5
85	MP1B	X	4.409	1.5
86	MP1B	Z	0	1.5
87	MP1B	Mx	.001	1.5
88	MP1C	X	4.409	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	.001	1.5
91	OVP	X	9.239	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	2.946	2.5
2	MP4A	Z	1.701	2.5
3	MP4A	Mx	-.002	2.5
4	MP4A	X	2.946	4.5
5	MP4A	Z	1.701	4.5
6	MP4A	Mx	-.002	4.5
7	MP4B	X	4.057	2.5
8	MP4B	Z	2.342	2.5
9	MP4B	Mx	-.002	2.5
10	MP4B	X	4.057	4.5
11	MP4B	Z	2.342	4.5
12	MP4B	Mx	-.002	4.5
13	MP4C	X	2.221	2.5
14	MP4C	Z	1.282	2.5
15	MP4C	Mx	.002	2.5
16	MP4C	X	2.221	4.5
17	MP4C	Z	1.282	4.5
18	MP4C	Mx	.002	4.5
19	MP1A	X	8.509	1.5
20	MP1A	Z	4.913	1.5
21	MP1A	Mx	-.006	1.5
22	MP1A	X	8.509	5.5
23	MP1A	Z	4.913	5.5
24	MP1A	Mx	-.006	5.5
25	MP1B	X	11.041	1.5
26	MP1B	Z	6.375	1.5
27	MP1B	Mx	-.006	1.5
28	MP1B	X	11.041	5.5
29	MP1B	Z	6.375	5.5
30	MP1B	Mx	-.006	5.5
31	MP1C	X	6.856	1.5
32	MP1C	Z	3.959	1.5
33	MP1C	Mx	.006	1.5
34	MP1C	X	6.856	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
35	MP1C	Z	3.959	5.5
36	MP1C	Mx	.006	5.5
37	MP3A	X	8.509	1.5
38	MP3A	Z	4.913	1.5
39	MP3A	Mx	-.006	1.5
40	MP3A	X	8.509	5.5
41	MP3A	Z	4.913	5.5
42	MP3A	Mx	-.006	5.5
43	MP3B	X	11.041	1.5
44	MP3B	Z	6.375	1.5
45	MP3B	Mx	-.006	1.5
46	MP3B	X	11.041	5.5
47	MP3B	Z	6.375	5.5
48	MP3B	Mx	-.006	5.5
49	MP3C	X	6.856	1.5
50	MP3C	Z	3.959	1.5
51	MP3C	Mx	.006	1.5
52	MP3C	X	6.856	5.5
53	MP3C	Z	3.959	5.5
54	MP3C	Mx	.006	5.5
55	MP2A	X	.407	1.5
56	MP2A	Z	.235	1.5
57	MP2A	Mx	-.000305	1.5
58	MP2A	X	.407	2.5
59	MP2A	Z	.235	2.5
60	MP2A	Mx	-.000305	2.5
61	MP2B	X	.685	1.5
62	MP2B	Z	.396	1.5
63	MP2B	Mx	-.000382	1.5
64	MP2B	X	.685	2.5
65	MP2B	Z	.396	2.5
66	MP2B	Mx	-.000382	2.5
67	MP2C	X	.226	1.5
68	MP2C	Z	.131	1.5
69	MP2C	Mx	.000193	1.5
70	MP2C	X	.226	2.5
71	MP2C	Z	.131	2.5
72	MP2C	Mx	.000193	2.5
73	MP3A	X	4.312	1.5
74	MP3A	Z	2.49	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	4.312	1.5
77	MP3B	Z	2.49	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	4.312	1.5
80	MP3C	Z	2.49	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	4.312	1.5
83	MP1A	Z	2.49	1.5
84	MP1A	Mx	0	1.5
85	MP1B	X	4.312	1.5
86	MP1B	Z	2.49	1.5
87	MP1B	Mx	0	1.5
88	MP1C	X	4.312	1.5
89	MP1C	Z	2.49	1.5
90	MP1C	Mx	0	1.5
91	OVP	X	8.74	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
92	OVP	Z	5.046	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	2.653	2.5
2	MP4A	Z	4.595	2.5
3	MP4A	Mx	-.002	2.5
4	MP4A	X	2.653	4.5
5	MP4A	Z	4.595	4.5
6	MP4A	Mx	-.002	4.5
7	MP4B	X	1.448	2.5
8	MP4B	Z	2.507	2.5
9	MP4B	Mx	-.002	2.5
10	MP4B	X	1.448	4.5
11	MP4B	Z	2.507	4.5
12	MP4B	Mx	-.002	4.5
13	MP4C	X	2.012	2.5
14	MP4C	Z	3.484	2.5
15	MP4C	Mx	.002	2.5
16	MP4C	X	2.012	4.5
17	MP4C	Z	3.484	4.5
18	MP4C	Mx	.002	4.5
19	MP1A	X	7.083	1.5
20	MP1A	Z	12.268	1.5
21	MP1A	Mx	-.005	1.5
22	MP1A	X	7.083	5.5
23	MP1A	Z	12.268	5.5
24	MP1A	Mx	-.005	5.5
25	MP1B	X	4.335	1.5
26	MP1B	Z	7.509	1.5
27	MP1B	Mx	-.006	1.5
28	MP1B	X	4.335	5.5
29	MP1B	Z	7.509	5.5
30	MP1B	Mx	-.006	5.5
31	MP1C	X	5.621	1.5
32	MP1C	Z	9.736	1.5
33	MP1C	Mx	.006	1.5
34	MP1C	X	5.621	5.5
35	MP1C	Z	9.736	5.5
36	MP1C	Mx	.006	5.5
37	MP3A	X	7.083	1.5
38	MP3A	Z	12.268	1.5
39	MP3A	Mx	-.005	1.5
40	MP3A	X	7.083	5.5
41	MP3A	Z	12.268	5.5
42	MP3A	Mx	-.005	5.5
43	MP3B	X	4.335	1.5
44	MP3B	Z	7.509	1.5
45	MP3B	Mx	-.006	1.5
46	MP3B	X	4.335	5.5
47	MP3B	Z	7.509	5.5
48	MP3B	Mx	-.006	5.5
49	MP3C	X	5.621	1.5
50	MP3C	Z	9.736	1.5
51	MP3C	Mx	.006	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
52	MP3C	X	5.621	5.5
53	MP3C	Z	9.736	5.5
54	MP3C	Mx	.006	5.5
55	MP2A	X	.473	1.5
56	MP2A	Z	.82	1.5
57	MP2A	Mx	-.000355	1.5
58	MP2A	X	.473	2.5
59	MP2A	Z	.82	2.5
60	MP2A	Mx	-.000355	2.5
61	MP2B	X	.172	1.5
62	MP2B	Z	.298	1.5
63	MP2B	Mx	-.000243	1.5
64	MP2B	X	.172	2.5
65	MP2B	Z	.298	2.5
66	MP2B	Mx	-.000243	2.5
67	MP2C	X	.313	1.5
68	MP2C	Z	.542	1.5
69	MP2C	Mx	.00036	1.5
70	MP2C	X	.313	2.5
71	MP2C	Z	.542	2.5
72	MP2C	Mx	.00036	2.5
73	MP3A	X	2.283	1.5
74	MP3A	Z	3.955	1.5
75	MP3A	Mx	-.001	1.5
76	MP3B	X	2.283	1.5
77	MP3B	Z	3.955	1.5
78	MP3B	Mx	-.001	1.5
79	MP3C	X	2.283	1.5
80	MP3C	Z	3.955	1.5
81	MP3C	Mx	-.001	1.5
82	MP1A	X	2.204	1.5
83	MP1A	Z	3.818	1.5
84	MP1A	Mx	-.001	1.5
85	MP1B	X	2.204	1.5
86	MP1B	Z	3.818	1.5
87	MP1B	Mx	-.001	1.5
88	MP1C	X	2.204	1.5
89	MP1C	Z	3.818	1.5
90	MP1C	Mx	-.001	1.5
91	OVP	X	4.619	1
92	OVP	Z	8.001	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	6.257	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	6.257	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	2.565	2.5
9	MP4B	Mx	-.002	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	2.565	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
12	MP4B	Mx	-.002	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	5.812	2.5
15	MP4C	Mx	.001	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	5.812	4.5
18	MP4C	Mx	.001	4.5
19	MP1A	X	0	1.5
20	MP1A	Z	16.336	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	5.5
23	MP1A	Z	16.336	5.5
24	MP1A	Mx	0	5.5
25	MP1B	X	0	1.5
26	MP1B	Z	7.917	1.5
27	MP1B	Mx	-.006	1.5
28	MP1B	X	0	5.5
29	MP1B	Z	7.917	5.5
30	MP1B	Mx	-.006	5.5
31	MP1C	X	0	1.5
32	MP1C	Z	15.321	1.5
33	MP1C	Mx	.004	1.5
34	MP1C	X	0	5.5
35	MP1C	Z	15.321	5.5
36	MP1C	Mx	.004	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	16.336	1.5
39	MP3A	Mx	0	1.5
40	MP3A	X	0	5.5
41	MP3A	Z	16.336	5.5
42	MP3A	Mx	0	5.5
43	MP3B	X	0	1.5
44	MP3B	Z	7.917	1.5
45	MP3B	Mx	-.006	1.5
46	MP3B	X	0	5.5
47	MP3B	Z	7.917	5.5
48	MP3B	Mx	-.006	5.5
49	MP3C	X	0	1.5
50	MP3C	Z	15.321	1.5
51	MP3C	Mx	.004	1.5
52	MP3C	X	0	5.5
53	MP3C	Z	15.321	5.5
54	MP3C	Mx	.004	5.5
55	MP2A	X	0	1.5
56	MP2A	Z	1.185	1.5
57	MP2A	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	1.185	2.5
60	MP2A	Mx	0	2.5
61	MP2B	X	0	1.5
62	MP2B	Z	.261	1.5
63	MP2B	Mx	-.000193	1.5
64	MP2B	X	0	2.5
65	MP2B	Z	.261	2.5
66	MP2B	Mx	-.000193	2.5
67	MP2C	X	0	1.5
68	MP2C	Z	1.073	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
69	MP2C	Mx	.000275	1.5
70	MP2C	X	0	2.5
71	MP2C	Z	1.073	2.5
72	MP2C	Mx	.000275	2.5
73	MP3A	X	0	1.5
74	MP3A	Z	3.741	1.5
75	MP3A	Mx	-.002	1.5
76	MP3B	X	0	1.5
77	MP3B	Z	3.741	1.5
78	MP3B	Mx	-.002	1.5
79	MP3C	X	0	1.5
80	MP3C	Z	3.741	1.5
81	MP3C	Mx	-.002	1.5
82	MP1A	X	0	1.5
83	MP1A	Z	3.267	1.5
84	MP1A	Mx	-.001	1.5
85	MP1B	X	0	1.5
86	MP1B	Z	3.267	1.5
87	MP1B	Mx	-.001	1.5
88	MP1C	X	0	1.5
89	MP1C	Z	3.267	1.5
90	MP1C	Mx	-.001	1.5
91	OVP	X	0	1
92	OVP	Z	7.533	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-2.653	2.5
2	MP4A	Z	4.595	2.5
3	MP4A	Mx	.002	2.5
4	MP4A	X	-2.653	4.5
5	MP4A	Z	4.595	4.5
6	MP4A	Mx	.002	4.5
7	MP4B	X	-2.012	2.5
8	MP4B	Z	3.484	2.5
9	MP4B	Mx	-.002	2.5
10	MP4B	X	-2.012	4.5
11	MP4B	Z	3.484	4.5
12	MP4B	Mx	-.002	4.5
13	MP4C	X	-3.071	2.5
14	MP4C	Z	5.32	2.5
15	MP4C	Mx	-.0008	2.5
16	MP4C	X	-3.071	4.5
17	MP4C	Z	5.32	4.5
18	MP4C	Mx	-.0008	4.5
19	MP1A	X	-7.083	1.5
20	MP1A	Z	12.268	1.5
21	MP1A	Mx	.005	1.5
22	MP1A	X	-7.083	5.5
23	MP1A	Z	12.268	5.5
24	MP1A	Mx	.005	5.5
25	MP1B	X	-5.621	1.5
26	MP1B	Z	9.736	1.5
27	MP1B	Mx	-.006	1.5
28	MP1B	X	-5.621	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
29	MP1B	Z	9.736	5.5
30	MP1B	Mx	-.006	5.5
31	MP1C	X	-8.037	1.5
32	MP1C	Z	13.921	1.5
33	MP1C	Mx	-.002	1.5
34	MP1C	X	-8.037	5.5
35	MP1C	Z	13.921	5.5
36	MP1C	Mx	-.002	5.5
37	MP3A	X	-7.083	1.5
38	MP3A	Z	12.268	1.5
39	MP3A	Mx	.005	1.5
40	MP3A	X	-7.083	5.5
41	MP3A	Z	12.268	5.5
42	MP3A	Mx	.005	5.5
43	MP3B	X	-5.621	1.5
44	MP3B	Z	9.736	1.5
45	MP3B	Mx	-.006	1.5
46	MP3B	X	-5.621	5.5
47	MP3B	Z	9.736	5.5
48	MP3B	Mx	-.006	5.5
49	MP3C	X	-8.037	1.5
50	MP3C	Z	13.921	1.5
51	MP3C	Mx	-.002	1.5
52	MP3C	X	-8.037	5.5
53	MP3C	Z	13.921	5.5
54	MP3C	Mx	-.002	5.5
55	MP2A	X	-.473	1.5
56	MP2A	Z	.82	1.5
57	MP2A	Mx	.000355	1.5
58	MP2A	X	-.473	2.5
59	MP2A	Z	.82	2.5
60	MP2A	Mx	.000355	2.5
61	MP2B	X	-.313	1.5
62	MP2B	Z	.542	1.5
63	MP2B	Mx	-.00036	1.5
64	MP2B	X	-.313	2.5
65	MP2B	Z	.542	2.5
66	MP2B	Mx	-.00036	2.5
67	MP2C	X	-.578	1.5
68	MP2C	Z	1.001	1.5
69	MP2C	Mx	-.000151	1.5
70	MP2C	X	-.578	2.5
71	MP2C	Z	1.001	2.5
72	MP2C	Mx	-.000151	2.5
73	MP3A	X	-1.664	1.5
74	MP3A	Z	2.883	1.5
75	MP3A	Mx	-.002	1.5
76	MP3B	X	-1.664	1.5
77	MP3B	Z	2.883	1.5
78	MP3B	Mx	-.002	1.5
79	MP3C	X	-1.664	1.5
80	MP3C	Z	2.883	1.5
81	MP3C	Mx	-.002	1.5
82	MP1A	X	-1.348	1.5
83	MP1A	Z	2.335	1.5
84	MP1A	Mx	-.001	1.5
85	MP1B	X	-1.348	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
86	MP1B	Z	2.335	1.5
87	MP1B	Mx	-.001	1.5
88	MP1C	X	-1.348	1.5
89	MP1C	Z	2.335	1.5
90	MP1C	Mx	-.001	1.5
91	OVP	X	-3.34	1
92	OVP	Z	5.785	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-2.946	2.5
2	MP4A	Z	1.701	2.5
3	MP4A	Mx	.002	2.5
4	MP4A	X	-2.946	4.5
5	MP4A	Z	1.701	4.5
6	MP4A	Mx	.002	4.5
7	MP4B	X	-5.033	2.5
8	MP4B	Z	2.906	2.5
9	MP4B	Mx	-.001	2.5
10	MP4B	X	-5.033	4.5
11	MP4B	Z	2.906	4.5
12	MP4B	Mx	-.001	4.5
13	MP4C	X	-4.057	2.5
14	MP4C	Z	2.342	2.5
15	MP4C	Mx	-.002	2.5
16	MP4C	X	-4.057	4.5
17	MP4C	Z	2.342	4.5
18	MP4C	Mx	-.002	4.5
19	MP1A	X	-8.509	1.5
20	MP1A	Z	4.913	1.5
21	MP1A	Mx	.006	1.5
22	MP1A	X	-8.509	5.5
23	MP1A	Z	4.913	5.5
24	MP1A	Mx	.006	5.5
25	MP1B	X	-13.268	1.5
26	MP1B	Z	7.66	1.5
27	MP1B	Mx	-.004	1.5
28	MP1B	X	-13.268	5.5
29	MP1B	Z	7.66	5.5
30	MP1B	Mx	-.004	5.5
31	MP1C	X	-11.041	1.5
32	MP1C	Z	6.375	1.5
33	MP1C	Mx	-.006	1.5
34	MP1C	X	-11.041	5.5
35	MP1C	Z	6.375	5.5
36	MP1C	Mx	-.006	5.5
37	MP3A	X	-8.509	1.5
38	MP3A	Z	4.913	1.5
39	MP3A	Mx	.006	1.5
40	MP3A	X	-8.509	5.5
41	MP3A	Z	4.913	5.5
42	MP3A	Mx	.006	5.5
43	MP3B	X	-13.268	1.5
44	MP3B	Z	7.66	1.5
45	MP3B	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
46	MP3B	X	-13.268	5.5
47	MP3B	Z	7.66	5.5
48	MP3B	Mx	-.004	5.5
49	MP3C	X	-11.041	1.5
50	MP3C	Z	6.375	1.5
51	MP3C	Mx	-.006	1.5
52	MP3C	X	-11.041	5.5
53	MP3C	Z	6.375	5.5
54	MP3C	Mx	-.006	5.5
55	MP2A	X	-.407	1.5
56	MP2A	Z	.235	1.5
57	MP2A	Mx	.000305	1.5
58	MP2A	X	-.407	2.5
59	MP2A	Z	.235	2.5
60	MP2A	Mx	.000305	2.5
61	MP2B	X	-.93	1.5
62	MP2B	Z	.537	1.5
63	MP2B	Mx	-.000276	1.5
64	MP2B	X	-.93	2.5
65	MP2B	Z	.537	2.5
66	MP2B	Mx	-.000276	2.5
67	MP2C	X	-.685	1.5
68	MP2C	Z	.396	1.5
69	MP2C	Mx	-.000381	1.5
70	MP2C	X	-.685	2.5
71	MP2C	Z	.396	2.5
72	MP2C	Mx	-.000381	2.5
73	MP3A	X	-3.24	1.5
74	MP3A	Z	1.871	1.5
75	MP3A	Mx	-.002	1.5
76	MP3B	X	-3.24	1.5
77	MP3B	Z	1.871	1.5
78	MP3B	Mx	-.002	1.5
79	MP3C	X	-3.24	1.5
80	MP3C	Z	1.871	1.5
81	MP3C	Mx	-.002	1.5
82	MP1A	X	-2.829	1.5
83	MP1A	Z	1.633	1.5
84	MP1A	Mx	-.001	1.5
85	MP1B	X	-2.829	1.5
86	MP1B	Z	1.633	1.5
87	MP1B	Mx	-.001	1.5
88	MP1C	X	-2.829	1.5
89	MP1C	Z	1.633	1.5
90	MP1C	Mx	-.001	1.5
91	OVP	X	-6.524	1
92	OVP	Z	3.766	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-2.45	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	.002	2.5
4	MP4A	X	-2.45	4.5
5	MP4A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
6	MP4A	Mx	.002	4.5
7	MP4B	X	-6.143	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	.0008	2.5
10	MP4B	X	-6.143	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	.0008	4.5
13	MP4C	X	-2.895	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	-.002	2.5
16	MP4C	X	-2.895	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	-.002	4.5
19	MP1A	X	-7.655	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.006	1.5
22	MP1A	X	-7.655	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	.006	5.5
25	MP1B	X	-16.074	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.002	1.5
28	MP1B	X	-16.074	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	.002	5.5
31	MP1C	X	-8.671	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.006	1.5
34	MP1C	X	-8.671	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	-.006	5.5
37	MP3A	X	-7.655	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.006	1.5
40	MP3A	X	-7.655	5.5
41	MP3A	Z	0	5.5
42	MP3A	Mx	.006	5.5
43	MP3B	X	-16.074	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.002	1.5
46	MP3B	X	-16.074	5.5
47	MP3B	Z	0	5.5
48	MP3B	Mx	.002	5.5
49	MP3C	X	-8.671	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.006	1.5
52	MP3C	X	-8.671	5.5
53	MP3C	Z	0	5.5
54	MP3C	Mx	-.006	5.5
55	MP2A	X	-.232	1.5
56	MP2A	Z	0	1.5
57	MP2A	Mx	.000174	1.5
58	MP2A	X	-.232	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	.000174	2.5
61	MP2B	X	-1.156	1.5
62	MP2B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
63	MP2B	Mx	.000151	1.5
64	MP2B	X	-1.156	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	.000151	2.5
67	MP2C	X	-.344	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	-.000242	1.5
70	MP2C	X	-.344	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	-.000242	2.5
73	MP3A	X	-4.567	1.5
74	MP3A	Z	0	1.5
75	MP3A	Mx	-.001	1.5
76	MP3B	X	-4.567	1.5
77	MP3B	Z	0	1.5
78	MP3B	Mx	-.001	1.5
79	MP3C	X	-4.567	1.5
80	MP3C	Z	0	1.5
81	MP3C	Mx	-.001	1.5
82	MP1A	X	-4.409	1.5
83	MP1A	Z	0	1.5
84	MP1A	Mx	-.001	1.5
85	MP1B	X	-4.409	1.5
86	MP1B	Z	0	1.5
87	MP1B	Mx	-.001	1.5
88	MP1C	X	-4.409	1.5
89	MP1C	Z	0	1.5
90	MP1C	Mx	-.001	1.5
91	OVP	X	-9.239	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-2.946	2.5
2	MP4A	Z	-1.701	2.5
3	MP4A	Mx	.002	2.5
4	MP4A	X	-2.946	4.5
5	MP4A	Z	-1.701	4.5
6	MP4A	Mx	.002	4.5
7	MP4B	X	-4.057	2.5
8	MP4B	Z	-2.342	2.5
9	MP4B	Mx	.002	2.5
10	MP4B	X	-4.057	4.5
11	MP4B	Z	-2.342	4.5
12	MP4B	Mx	.002	4.5
13	MP4C	X	-2.221	2.5
14	MP4C	Z	-1.282	2.5
15	MP4C	Mx	-.002	2.5
16	MP4C	X	-2.221	4.5
17	MP4C	Z	-1.282	4.5
18	MP4C	Mx	-.002	4.5
19	MP1A	X	-8.509	1.5
20	MP1A	Z	-4.913	1.5
21	MP1A	Mx	.006	1.5
22	MP1A	X	-8.509	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
23	MP1A	Z	-4.913	5.5
24	MP1A	Mx	.006	5.5
25	MP1B	X	-11.041	1.5
26	MP1B	Z	-6.375	1.5
27	MP1B	Mx	.006	1.5
28	MP1B	X	-11.041	5.5
29	MP1B	Z	-6.375	5.5
30	MP1B	Mx	.006	5.5
31	MP1C	X	-6.856	1.5
32	MP1C	Z	-3.959	1.5
33	MP1C	Mx	-.006	1.5
34	MP1C	X	-6.856	5.5
35	MP1C	Z	-3.959	5.5
36	MP1C	Mx	-.006	5.5
37	MP3A	X	-8.509	1.5
38	MP3A	Z	-4.913	1.5
39	MP3A	Mx	.006	1.5
40	MP3A	X	-8.509	5.5
41	MP3A	Z	-4.913	5.5
42	MP3A	Mx	.006	5.5
43	MP3B	X	-11.041	1.5
44	MP3B	Z	-6.375	1.5
45	MP3B	Mx	.006	1.5
46	MP3B	X	-11.041	5.5
47	MP3B	Z	-6.375	5.5
48	MP3B	Mx	.006	5.5
49	MP3C	X	-6.856	1.5
50	MP3C	Z	-3.959	1.5
51	MP3C	Mx	-.006	1.5
52	MP3C	X	-6.856	5.5
53	MP3C	Z	-3.959	5.5
54	MP3C	Mx	-.006	5.5
55	MP2A	X	-.407	1.5
56	MP2A	Z	-.235	1.5
57	MP2A	Mx	.000305	1.5
58	MP2A	X	-.407	2.5
59	MP2A	Z	-.235	2.5
60	MP2A	Mx	.000305	2.5
61	MP2B	X	-.685	1.5
62	MP2B	Z	-.396	1.5
63	MP2B	Mx	.000382	1.5
64	MP2B	X	-.685	2.5
65	MP2B	Z	-.396	2.5
66	MP2B	Mx	.000382	2.5
67	MP2C	X	-.226	1.5
68	MP2C	Z	-.131	1.5
69	MP2C	Mx	-.000193	1.5
70	MP2C	X	-.226	2.5
71	MP2C	Z	-.131	2.5
72	MP2C	Mx	-.000193	2.5
73	MP3A	X	-4.312	1.5
74	MP3A	Z	-2.49	1.5
75	MP3A	Mx	0	1.5
76	MP3B	X	-4.312	1.5
77	MP3B	Z	-2.49	1.5
78	MP3B	Mx	0	1.5
79	MP3C	X	-4.312	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
80	MP3C	Z	-2.49	1.5
81	MP3C	Mx	0	1.5
82	MP1A	X	-4.312	1.5
83	MP1A	Z	-2.49	1.5
84	MP1A	Mx	0	1.5
85	MP1B	X	-4.312	1.5
86	MP1B	Z	-2.49	1.5
87	MP1B	Mx	0	1.5
88	MP1C	X	-4.312	1.5
89	MP1C	Z	-2.49	1.5
90	MP1C	Mx	0	1.5
91	OVP	X	-8.74	1
92	OVP	Z	-5.046	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-2.653	2.5
2	MP4A	Z	-4.595	2.5
3	MP4A	Mx	.002	2.5
4	MP4A	X	-2.653	4.5
5	MP4A	Z	-4.595	4.5
6	MP4A	Mx	.002	4.5
7	MP4B	X	-1.448	2.5
8	MP4B	Z	-2.507	2.5
9	MP4B	Mx	.002	2.5
10	MP4B	X	-1.448	4.5
11	MP4B	Z	-2.507	4.5
12	MP4B	Mx	.002	4.5
13	MP4C	X	-2.012	2.5
14	MP4C	Z	-3.484	2.5
15	MP4C	Mx	-.002	2.5
16	MP4C	X	-2.012	4.5
17	MP4C	Z	-3.484	4.5
18	MP4C	Mx	-.002	4.5
19	MP1A	X	-7.083	1.5
20	MP1A	Z	-12.268	1.5
21	MP1A	Mx	.005	1.5
22	MP1A	X	-7.083	5.5
23	MP1A	Z	-12.268	5.5
24	MP1A	Mx	.005	5.5
25	MP1B	X	-4.335	1.5
26	MP1B	Z	-7.509	1.5
27	MP1B	Mx	.006	1.5
28	MP1B	X	-4.335	5.5
29	MP1B	Z	-7.509	5.5
30	MP1B	Mx	.006	5.5
31	MP1C	X	-5.621	1.5
32	MP1C	Z	-9.736	1.5
33	MP1C	Mx	-.006	1.5
34	MP1C	X	-5.621	5.5
35	MP1C	Z	-9.736	5.5
36	MP1C	Mx	-.006	5.5
37	MP3A	X	-7.083	1.5
38	MP3A	Z	-12.268	1.5
39	MP3A	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
40	MP3A	X	-7.083	5.5
41	MP3A	Z	-12.268	5.5
42	MP3A	Mx	.005	5.5
43	MP3B	X	-4.335	1.5
44	MP3B	Z	-7.509	1.5
45	MP3B	Mx	.006	1.5
46	MP3B	X	-4.335	5.5
47	MP3B	Z	-7.509	5.5
48	MP3B	Mx	.006	5.5
49	MP3C	X	-5.621	1.5
50	MP3C	Z	-9.736	1.5
51	MP3C	Mx	-.006	1.5
52	MP3C	X	-5.621	5.5
53	MP3C	Z	-9.736	5.5
54	MP3C	Mx	-.006	5.5
55	MP2A	X	-.473	1.5
56	MP2A	Z	-.82	1.5
57	MP2A	Mx	.000355	1.5
58	MP2A	X	-.473	2.5
59	MP2A	Z	-.82	2.5
60	MP2A	Mx	.000355	2.5
61	MP2B	X	-.172	1.5
62	MP2B	Z	-.298	1.5
63	MP2B	Mx	.000243	1.5
64	MP2B	X	-.172	2.5
65	MP2B	Z	-.298	2.5
66	MP2B	Mx	.000243	2.5
67	MP2C	X	-.313	1.5
68	MP2C	Z	-.542	1.5
69	MP2C	Mx	-.00036	1.5
70	MP2C	X	-.313	2.5
71	MP2C	Z	-.542	2.5
72	MP2C	Mx	-.00036	2.5
73	MP3A	X	-2.283	1.5
74	MP3A	Z	-3.955	1.5
75	MP3A	Mx	.001	1.5
76	MP3B	X	-2.283	1.5
77	MP3B	Z	-3.955	1.5
78	MP3B	Mx	.001	1.5
79	MP3C	X	-2.283	1.5
80	MP3C	Z	-3.955	1.5
81	MP3C	Mx	.001	1.5
82	MP1A	X	-2.204	1.5
83	MP1A	Z	-3.818	1.5
84	MP1A	Mx	.001	1.5
85	MP1B	X	-2.204	1.5
86	MP1B	Z	-3.818	1.5
87	MP1B	Mx	.001	1.5
88	MP1C	X	-2.204	1.5
89	MP1C	Z	-3.818	1.5
90	MP1C	Mx	.001	1.5
91	OVP	X	-4.619	1
92	OVP	Z	-8.001	1
93	OVP	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	Y	-500	%11.1

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	Y	-500	%62.5

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	Y	-250	%100

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	M20	Y	-11.071	-11.071	0	%100
2	M142C	Y	-16.386	-16.386	0	%100
3	M144C	Y	-16.386	-16.386	0	%100
4	M164A	Y	-16.386	-16.386	0	%100
5	M169A	Y	-15.635	-15.635	0	%100
6	M160A	Y	-16.386	-16.386	0	%100
7	M161A	Y	-16.386	-16.386	0	%100
8	M163B	Y	-16.386	-16.386	0	%100
9	M164B	Y	-16.386	-16.386	0	%100
10	M169B	Y	-12.642	-12.642	0	%100
11	M170B	Y	-12.642	-12.642	0	%100
12	M183A	Y	-9.65	-9.65	0	%100
13	M186A	Y	-9.65	-9.65	0	%100
14	M70	Y	-11.146	-11.146	0	%100
15	M71	Y	-11.146	-11.146	0	%100
16	M26	Y	-16.386	-16.386	0	%100
17	M28	Y	-16.386	-16.386	0	%100
18	M30	Y	-16.386	-16.386	0	%100
19	M31	Y	-15.635	-15.635	0	%100
20	M32	Y	-16.386	-16.386	0	%100
21	M33	Y	-16.386	-16.386	0	%100
22	M35	Y	-16.386	-16.386	0	%100
23	M36	Y	-16.386	-16.386	0	%100
24	M38	Y	-12.642	-12.642	0	%100
25	M39	Y	-12.642	-12.642	0	%100
26	M44	Y	-9.65	-9.65	0	%100
27	M47	Y	-9.65	-9.65	0	%100
28	M48	Y	-11.146	-11.146	0	%100
29	M49	Y	-11.146	-11.146	0	%100
30	M50	Y	-16.386	-16.386	0	%100
31	M52	Y	-16.386	-16.386	0	%100
32	M54	Y	-16.386	-16.386	0	%100
33	M55	Y	-15.635	-15.635	0	%100
34	M56	Y	-16.386	-16.386	0	%100
35	M57	Y	-16.386	-16.386	0	%100
36	M59	Y	-16.386	-16.386	0	%100
37	M60	Y	-16.386	-16.386	0	%100
38	M62	Y	-12.642	-12.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
39	M63	Y	-12.642	-12.642	0	%100
40	M68	Y	-9.65	-9.65	0	%100
41	M71A	Y	-9.65	-9.65	0	%100
42	M72	Y	-11.146	-11.146	0	%100
43	M73	Y	-11.146	-11.146	0	%100
44	M74	Y	-11.071	-11.071	0	%100
45	M75	Y	-11.071	-11.071	0	%100
46	MP4A	Y	-8.69	-8.69	0	%100
47	MP3A	Y	-8.69	-8.69	0	%100
48	MP2A	Y	-8.69	-8.69	0	%100
49	MP1A	Y	-8.69	-8.69	0	%100
50	OVP	Y	-8.69	-8.69	0	%100
51	MP4C	Y	-8.69	-8.69	0	%100
52	MP3C	Y	-8.69	-8.69	0	%100
53	MP2C	Y	-8.69	-8.69	0	%100
54	MP1C	Y	-8.69	-8.69	0	%100
55	MP4B	Y	-8.69	-8.69	0	%100
56	MP3B	Y	-8.69	-8.69	0	%100
57	MP2B	Y	-8.69	-8.69	0	%100
58	MP1B	Y	-8.69	-8.69	0	%100
59	M102	Y	-9.748	-9.748	0	%100
60	M109	Y	-9.748	-9.748	0	%100
61	M114	Y	-9.748	-9.748	0	%100
62	M123	Y	-12.642	-12.642	0	%100
63	M124	Y	-12.642	-12.642	0	%100
64	M125	Y	-12.642	-12.642	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	M20	X	0	0	0	%100
2	M20	Z	-14.053	-14.053	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	-6.523	-6.523	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	-6.523	-6.523	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	-24.717	-24.717	0	%100
9	M169A	X	0	0	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	0	0	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	-6.294	-6.294	0	%100
15	M163B	X	0	0	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	-6.294	-6.294	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	-15.469	-15.469	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	-15.469	-15.469	0	%100
23	M183A	X	0	0	0	%100
24	M183A	Z	-3.273	-3.273	0	%100
25	M186A	X	0	0	0	%100
26	M186A	Z	-3.273	-3.273	0	%100
27	M70	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,%]
28	M70	Z	-8.269	-8.269	0	%100
29	M71	X	0	0	0	%100
30	M71	Z	-8.269	-8.269	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-6.523	-6.523	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-26.091	-26.091	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-6.179	-6.179	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-11.966	-11.966	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-18.653	-18.653	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-6.294	-6.294	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	-18.653	-18.653	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	-25.175	-25.175	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	-3.867	-3.867	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	-3.867	-3.867	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-13.729	-13.729	0	%100
53	M47	X	0	0	0	%100
54	M47	Z	-3.595	-3.595	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-8.72	-8.72	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-15.435	-15.435	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	-26.091	-26.091	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	-6.523	-6.523	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-6.179	-6.179	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	-11.966	-11.966	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	-18.653	-18.653	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	-25.175	-25.175	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	-18.653	-18.653	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	-6.294	-6.294	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	-3.867	-3.867	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	-3.867	-3.867	0	%100
79	M68	X	0	0	0	%100
80	M68	Z	-3.595	-3.595	0	%100
81	M71A	X	0	0	0	%100
82	M71A	Z	-13.729	-13.729	0	%100
83	M72	X	0	0	0	%100
84	M72	Z	-15.435	-15.435	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, %]
85	M73	X	0	0	0	%100
86	M73	Z	-8.72	-8.72	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	-3.513	-3.513	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	-3.513	-3.513	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-9.784	-9.784	0	%100
93	MP3A	X	0	0	0	%100
94	MP3A	Z	-9.784	-9.784	0	%100
95	MP2A	X	0	0	0	%100
96	MP2A	Z	-9.784	-9.784	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	-9.784	-9.784	0	%100
99	OVP	X	0	0	0	%100
100	OVP	Z	-8.306	-8.306	0	%100
101	MP4C	X	0	0	0	%100
102	MP4C	Z	-9.784	-9.784	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-9.784	-9.784	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	-9.784	-9.784	0	%100
107	MP1C	X	0	0	0	%100
108	MP1C	Z	-9.784	-9.784	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	-9.784	-9.784	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-9.784	-9.784	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	-9.784	-9.784	0	%100
115	MP1B	X	0	0	0	%100
116	MP1B	Z	-9.784	-9.784	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	-11.844	-11.844	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	-2.961	-2.961	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	-2.961	-2.961	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	-3.399	-3.399	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	-3.399	-3.399	0	%100
127	M125	X	0	0	0	%100
128	M125	Z	-13.594	-13.594	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	M20	X	5.27	5.27	0	%100
2	M20	Z	-9.128	-9.128	0	%100
3	M142C	X	9.784	9.784	0	%100
4	M142C	Z	-16.946	-16.946	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	9.269	9.269	0	%100
8	M164A	Z	-16.054	-16.054	0	%100
9	M169A	X	1.994	1.994	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,%]
10	M169A	Z	-3.454	-3.454	0	%100
11	M160A	X	3.109	3.109	0	%100
12	M160A	Z	-5.385	-5.385	0	%100
13	M161A	X	9.441	9.441	0	%100
14	M161A	Z	-16.352	-16.352	0	%100
15	M163B	X	3.109	3.109	0	%100
16	M163B	Z	-5.385	-5.385	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	5.801	5.801	0	%100
20	M169B	Z	-10.047	-10.047	0	%100
21	M170B	X	5.801	5.801	0	%100
22	M170B	Z	-10.047	-10.047	0	%100
23	M183A	X	.001	.001	0	%100
24	M183A	Z	-.002	-.002	0	%100
25	M186A	X	5.068	5.068	0	%100
26	M186A	Z	-8.779	-8.779	0	%100
27	M70	X	6.448	6.448	0	%100
28	M70	Z	-11.168	-11.168	0	%100
29	M71	X	3.09	3.09	0	%100
30	M71	Z	-5.353	-5.353	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	9.784	9.784	0	%100
34	M28	Z	-16.946	-16.946	0	%100
35	M30	X	9.269	9.269	0	%100
36	M30	Z	-16.054	-16.054	0	%100
37	M31	X	1.994	1.994	0	%100
38	M31	Z	-3.454	-3.454	0	%100
39	M32	X	3.109	3.109	0	%100
40	M32	Z	-5.385	-5.385	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	3.109	3.109	0	%100
44	M35	Z	-5.385	-5.385	0	%100
45	M36	X	9.441	9.441	0	%100
46	M36	Z	-16.352	-16.352	0	%100
47	M38	X	5.801	5.801	0	%100
48	M38	Z	-10.047	-10.047	0	%100
49	M39	X	5.801	5.801	0	%100
50	M39	Z	-10.047	-10.047	0	%100
51	M44	X	5.068	5.068	0	%100
52	M44	Z	-8.779	-8.779	0	%100
53	M47	X	.001	.001	0	%100
54	M47	Z	-.002	-.002	0	%100
55	M48	X	3.09	3.09	0	%100
56	M48	Z	-5.353	-5.353	0	%100
57	M49	X	6.448	6.448	0	%100
58	M49	Z	-11.168	-11.168	0	%100
59	M50	X	9.784	9.784	0	%100
60	M50	Z	-16.946	-16.946	0	%100
61	M52	X	9.784	9.784	0	%100
62	M52	Z	-16.946	-16.946	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	7.977	7.977	0	%100
66	M55	Z	-13.817	-13.817	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, %]
67	M56	X	12.435	12.435	0	%100
68	M56	Z	-21.538	-21.538	0	%100
69	M57	X	9.441	9.441	0	%100
70	M57	Z	-16.352	-16.352	0	%100
71	M59	X	12.435	12.435	0	%100
72	M59	Z	-21.538	-21.538	0	%100
73	M60	X	9.441	9.441	0	%100
74	M60	Z	-16.352	-16.352	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	5.229	5.229	0	%100
80	M68	Z	-9.057	-9.057	0	%100
81	M71A	X	5.229	5.229	0	%100
82	M71A	Z	-9.057	-9.057	0	%100
83	M72	X	6.674	6.674	0	%100
84	M72	Z	-11.559	-11.559	0	%100
85	M73	X	6.674	6.674	0	%100
86	M73	Z	-11.559	-11.559	0	%100
87	M74	X	5.27	5.27	0	%100
88	M74	Z	-9.128	-9.128	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	4.892	4.892	0	%100
92	MP4A	Z	-8.473	-8.473	0	%100
93	MP3A	X	4.892	4.892	0	%100
94	MP3A	Z	-8.473	-8.473	0	%100
95	MP2A	X	4.892	4.892	0	%100
96	MP2A	Z	-8.473	-8.473	0	%100
97	MP1A	X	4.892	4.892	0	%100
98	MP1A	Z	-8.473	-8.473	0	%100
99	OVP	X	4.153	4.153	0	%100
100	OVP	Z	-7.193	-7.193	0	%100
101	MP4C	X	4.892	4.892	0	%100
102	MP4C	Z	-8.473	-8.473	0	%100
103	MP3C	X	4.892	4.892	0	%100
104	MP3C	Z	-8.473	-8.473	0	%100
105	MP2C	X	4.892	4.892	0	%100
106	MP2C	Z	-8.473	-8.473	0	%100
107	MP1C	X	4.892	4.892	0	%100
108	MP1C	Z	-8.473	-8.473	0	%100
109	MP4B	X	4.892	4.892	0	%100
110	MP4B	Z	-8.473	-8.473	0	%100
111	MP3B	X	4.892	4.892	0	%100
112	MP3B	Z	-8.473	-8.473	0	%100
113	MP2B	X	4.892	4.892	0	%100
114	MP2B	Z	-8.473	-8.473	0	%100
115	MP1B	X	4.892	4.892	0	%100
116	MP1B	Z	-8.473	-8.473	0	%100
117	M102	X	4.441	4.441	0	%100
118	M102	Z	-7.693	-7.693	0	%100
119	M109	X	4.441	4.441	0	%100
120	M109	Z	-7.693	-7.693	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	5.098	5.098	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, %]
124	M123	Z	-8.83	-8.83	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	5.098	5.098	0	%100
128	M125	Z	-8.83	-8.83	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	M20	X	3.043	3.043	0	%100
2	M20	Z	-1.757	-1.757	0	%100
3	M142C	X	22.595	22.595	0	%100
4	M142C	Z	-13.045	-13.045	0	%100
5	M144C	X	5.649	5.649	0	%100
6	M144C	Z	-3.261	-3.261	0	%100
7	M164A	X	5.351	5.351	0	%100
8	M164A	Z	-3.09	-3.09	0	%100
9	M169A	X	10.363	10.363	0	%100
10	M169A	Z	-5.983	-5.983	0	%100
11	M160A	X	16.154	16.154	0	%100
12	M160A	Z	-9.326	-9.326	0	%100
13	M161A	X	21.802	21.802	0	%100
14	M161A	Z	-12.588	-12.588	0	%100
15	M163B	X	16.154	16.154	0	%100
16	M163B	Z	-9.326	-9.326	0	%100
17	M164B	X	5.451	5.451	0	%100
18	M164B	Z	-3.147	-3.147	0	%100
19	M169B	X	3.349	3.349	0	%100
20	M169B	Z	-1.934	-1.934	0	%100
21	M170B	X	3.349	3.349	0	%100
22	M170B	Z	-1.934	-1.934	0	%100
23	M183A	X	3.113	3.113	0	%100
24	M183A	Z	-1.798	-1.798	0	%100
25	M186A	X	11.89	11.89	0	%100
26	M186A	Z	-6.865	-6.865	0	%100
27	M70	X	13.367	13.367	0	%100
28	M70	Z	-7.718	-7.718	0	%100
29	M71	X	7.552	7.552	0	%100
30	M71	Z	-4.36	-4.36	0	%100
31	M26	X	5.649	5.649	0	%100
32	M26	Z	-3.261	-3.261	0	%100
33	M28	X	5.649	5.649	0	%100
34	M28	Z	-3.261	-3.261	0	%100
35	M30	X	21.406	21.406	0	%100
36	M30	Z	-12.359	-12.359	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	5.451	5.451	0	%100
42	M33	Z	-3.147	-3.147	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	5.451	5.451	0	%100
46	M36	Z	-3.147	-3.147	0	%100
47	M38	X	13.396	13.396	0	%100
48	M38	Z	-7.734	-7.734	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, %]
49	M39	X	13.396	13.396	0	%100
50	M39	Z	-7.734	-7.734	0	%100
51	M44	X	2.835	2.835	0	%100
52	M44	Z	-1.637	-1.637	0	%100
53	M47	X	2.835	2.835	0	%100
54	M47	Z	-1.637	-1.637	0	%100
55	M48	X	7.161	7.161	0	%100
56	M48	Z	-4.134	-4.134	0	%100
57	M49	X	7.161	7.161	0	%100
58	M49	Z	-4.134	-4.134	0	%100
59	M50	X	5.649	5.649	0	%100
60	M50	Z	-3.261	-3.261	0	%100
61	M52	X	22.595	22.595	0	%100
62	M52	Z	-13.045	-13.045	0	%100
63	M54	X	5.351	5.351	0	%100
64	M54	Z	-3.09	-3.09	0	%100
65	M55	X	10.363	10.363	0	%100
66	M55	Z	-5.983	-5.983	0	%100
67	M56	X	16.154	16.154	0	%100
68	M56	Z	-9.326	-9.326	0	%100
69	M57	X	5.451	5.451	0	%100
70	M57	Z	-3.147	-3.147	0	%100
71	M59	X	16.154	16.154	0	%100
72	M59	Z	-9.326	-9.326	0	%100
73	M60	X	21.802	21.802	0	%100
74	M60	Z	-12.588	-12.588	0	%100
75	M62	X	3.349	3.349	0	%100
76	M62	Z	-1.934	-1.934	0	%100
77	M63	X	3.349	3.349	0	%100
78	M63	Z	-1.934	-1.934	0	%100
79	M68	X	11.89	11.89	0	%100
80	M68	Z	-6.865	-6.865	0	%100
81	M71A	X	3.113	3.113	0	%100
82	M71A	Z	-1.798	-1.798	0	%100
83	M72	X	7.552	7.552	0	%100
84	M72	Z	-4.36	-4.36	0	%100
85	M73	X	13.367	13.367	0	%100
86	M73	Z	-7.718	-7.718	0	%100
87	M74	X	12.17	12.17	0	%100
88	M74	Z	-7.027	-7.027	0	%100
89	M75	X	3.043	3.043	0	%100
90	M75	Z	-1.757	-1.757	0	%100
91	MP4A	X	8.473	8.473	0	%100
92	MP4A	Z	-4.892	-4.892	0	%100
93	MP3A	X	8.473	8.473	0	%100
94	MP3A	Z	-4.892	-4.892	0	%100
95	MP2A	X	8.473	8.473	0	%100
96	MP2A	Z	-4.892	-4.892	0	%100
97	MP1A	X	8.473	8.473	0	%100
98	MP1A	Z	-4.892	-4.892	0	%100
99	OVP	X	7.193	7.193	0	%100
100	OVP	Z	-4.153	-4.153	0	%100
101	MP4C	X	8.473	8.473	0	%100
102	MP4C	Z	-4.892	-4.892	0	%100
103	MP3C	X	8.473	8.473	0	%100
104	MP3C	Z	-4.892	-4.892	0	%100
105	MP2C	X	8.473	8.473	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, %]
106	MP2C	Z	-4.892	-4.892	0	%100
107	MP1C	X	8.473	8.473	0	%100
108	MP1C	Z	-4.892	-4.892	0	%100
109	MP4B	X	8.473	8.473	0	%100
110	MP4B	Z	-4.892	-4.892	0	%100
111	MP3B	X	8.473	8.473	0	%100
112	MP3B	Z	-4.892	-4.892	0	%100
113	MP2B	X	8.473	8.473	0	%100
114	MP2B	Z	-4.892	-4.892	0	%100
115	MP1B	X	8.473	8.473	0	%100
116	MP1B	Z	-4.892	-4.892	0	%100
117	M102	X	2.564	2.564	0	%100
118	M102	Z	-1.48	-1.48	0	%100
119	M109	X	10.257	10.257	0	%100
120	M109	Z	-5.922	-5.922	0	%100
121	M114	X	2.564	2.564	0	%100
122	M114	Z	-1.48	-1.48	0	%100
123	M123	X	11.773	11.773	0	%100
124	M123	Z	-6.797	-6.797	0	%100
125	M124	X	2.943	2.943	0	%100
126	M124	Z	-1.699	-1.699	0	%100
127	M125	X	2.943	2.943	0	%100
128	M125	Z	-1.699	-1.699	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M142C	X	19.568	19.568	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	19.568	19.568	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	0	0	0	%100
9	M169A	X	15.954	15.954	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	24.87	24.87	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	18.881	18.881	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	24.87	24.87	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	18.881	18.881	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	0	0	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	0	0	0	%100
23	M183A	X	10.459	10.459	0	%100
24	M183A	Z	0	0	0	%100
25	M186A	X	10.459	10.459	0	%100
26	M186A	Z	0	0	0	%100
27	M70	X	13.347	13.347	0	%100
28	M70	Z	0	0	0	%100
29	M71	X	13.347	13.347	0	%100
30	M71	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
31	M26	X	19.568	19.568	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M30	X	18.538	18.538	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	3.989	3.989	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	6.218	6.218	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	18.881	18.881	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	6.218	6.218	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	0	0	0	%100
47	M38	X	11.602	11.602	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	11.602	11.602	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	.003	.003	0	%100
52	M44	Z	0	0	0	%100
53	M47	X	10.137	10.137	0	%100
54	M47	Z	0	0	0	%100
55	M48	X	12.896	12.896	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	6.181	6.181	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	0	0	0	%100
61	M52	X	19.568	19.568	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	18.538	18.538	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	3.989	3.989	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	6.218	6.218	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	0	0	0	%100
71	M59	X	6.218	6.218	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	18.881	18.881	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	11.602	11.602	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	11.602	11.602	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	10.137	10.137	0	%100
80	M68	Z	0	0	0	%100
81	M71A	X	.003	.003	0	%100
82	M71A	Z	0	0	0	%100
83	M72	X	6.181	6.181	0	%100
84	M72	Z	0	0	0	%100
85	M73	X	12.896	12.896	0	%100
86	M73	Z	0	0	0	%100
87	M74	X	10.54	10.54	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, %]
88	M74	Z	0	0	0	%100
89	M75	X	10.54	10.54	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	9.784	9.784	0	%100
92	MP4A	Z	0	0	0	%100
93	MP3A	X	9.784	9.784	0	%100
94	MP3A	Z	0	0	0	%100
95	MP2A	X	9.784	9.784	0	%100
96	MP2A	Z	0	0	0	%100
97	MP1A	X	9.784	9.784	0	%100
98	MP1A	Z	0	0	0	%100
99	OVP	X	8.306	8.306	0	%100
100	OVP	Z	0	0	0	%100
101	MP4C	X	9.784	9.784	0	%100
102	MP4C	Z	0	0	0	%100
103	MP3C	X	9.784	9.784	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	9.784	9.784	0	%100
106	MP2C	Z	0	0	0	%100
107	MP1C	X	9.784	9.784	0	%100
108	MP1C	Z	0	0	0	%100
109	MP4B	X	9.784	9.784	0	%100
110	MP4B	Z	0	0	0	%100
111	MP3B	X	9.784	9.784	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	9.784	9.784	0	%100
114	MP2B	Z	0	0	0	%100
115	MP1B	X	9.784	9.784	0	%100
116	MP1B	Z	0	0	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	0	0	0	%100
119	M109	X	8.883	8.883	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	8.883	8.883	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	10.196	10.196	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	10.196	10.196	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	0	0	0	%100
128	M125	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	M20	X	3.043	3.043	0	%100
2	M20	Z	1.757	1.757	0	%100
3	M142C	X	5.649	5.649	0	%100
4	M142C	Z	3.261	3.261	0	%100
5	M144C	X	22.595	22.595	0	%100
6	M144C	Z	13.045	13.045	0	%100
7	M164A	X	5.351	5.351	0	%100
8	M164A	Z	3.09	3.09	0	%100
9	M169A	X	10.363	10.363	0	%100
10	M169A	Z	5.983	5.983	0	%100
11	M160A	X	16.154	16.154	0	%100
12	M160A	Z	9.326	9.326	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, %]
13	M161A	X	5.451	5.451	0	%100
14	M161A	Z	3.147	3.147	0	%100
15	M163B	X	16.154	16.154	0	%100
16	M163B	Z	9.326	9.326	0	%100
17	M164B	X	21.802	21.802	0	%100
18	M164B	Z	12.588	12.588	0	%100
19	M169B	X	3.349	3.349	0	%100
20	M169B	Z	1.934	1.934	0	%100
21	M170B	X	3.349	3.349	0	%100
22	M170B	Z	1.934	1.934	0	%100
23	M183A	X	11.89	11.89	0	%100
24	M183A	Z	6.865	6.865	0	%100
25	M186A	X	3.113	3.113	0	%100
26	M186A	Z	1.798	1.798	0	%100
27	M70	X	7.552	7.552	0	%100
28	M70	Z	4.36	4.36	0	%100
29	M71	X	13.367	13.367	0	%100
30	M71	Z	7.718	7.718	0	%100
31	M26	X	22.595	22.595	0	%100
32	M26	Z	13.045	13.045	0	%100
33	M28	X	5.649	5.649	0	%100
34	M28	Z	3.261	3.261	0	%100
35	M30	X	5.351	5.351	0	%100
36	M30	Z	3.09	3.09	0	%100
37	M31	X	10.363	10.363	0	%100
38	M31	Z	5.983	5.983	0	%100
39	M32	X	16.154	16.154	0	%100
40	M32	Z	9.326	9.326	0	%100
41	M33	X	21.802	21.802	0	%100
42	M33	Z	12.588	12.588	0	%100
43	M35	X	16.154	16.154	0	%100
44	M35	Z	9.326	9.326	0	%100
45	M36	X	5.451	5.451	0	%100
46	M36	Z	3.147	3.147	0	%100
47	M38	X	3.349	3.349	0	%100
48	M38	Z	1.934	1.934	0	%100
49	M39	X	3.349	3.349	0	%100
50	M39	Z	1.934	1.934	0	%100
51	M44	X	3.113	3.113	0	%100
52	M44	Z	1.798	1.798	0	%100
53	M47	X	11.89	11.89	0	%100
54	M47	Z	6.865	6.865	0	%100
55	M48	X	13.367	13.367	0	%100
56	M48	Z	7.718	7.718	0	%100
57	M49	X	7.552	7.552	0	%100
58	M49	Z	4.36	4.36	0	%100
59	M50	X	5.649	5.649	0	%100
60	M50	Z	3.261	3.261	0	%100
61	M52	X	5.649	5.649	0	%100
62	M52	Z	3.261	3.261	0	%100
63	M54	X	21.406	21.406	0	%100
64	M54	Z	12.359	12.359	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	5.451	5.451	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,%]
70	M57	Z	3.147	3.147	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	5.451	5.451	0	%100
74	M60	Z	3.147	3.147	0	%100
75	M62	X	13.396	13.396	0	%100
76	M62	Z	7.734	7.734	0	%100
77	M63	X	13.396	13.396	0	%100
78	M63	Z	7.734	7.734	0	%100
79	M68	X	2.835	2.835	0	%100
80	M68	Z	1.637	1.637	0	%100
81	M71A	X	2.835	2.835	0	%100
82	M71A	Z	1.637	1.637	0	%100
83	M72	X	7.161	7.161	0	%100
84	M72	Z	4.134	4.134	0	%100
85	M73	X	7.161	7.161	0	%100
86	M73	Z	4.134	4.134	0	%100
87	M74	X	3.043	3.043	0	%100
88	M74	Z	1.757	1.757	0	%100
89	M75	X	12.17	12.17	0	%100
90	M75	Z	7.027	7.027	0	%100
91	MP4A	X	8.473	8.473	0	%100
92	MP4A	Z	4.892	4.892	0	%100
93	MP3A	X	8.473	8.473	0	%100
94	MP3A	Z	4.892	4.892	0	%100
95	MP2A	X	8.473	8.473	0	%100
96	MP2A	Z	4.892	4.892	0	%100
97	MP1A	X	8.473	8.473	0	%100
98	MP1A	Z	4.892	4.892	0	%100
99	OVP	X	7.193	7.193	0	%100
100	OVP	Z	4.153	4.153	0	%100
101	MP4C	X	8.473	8.473	0	%100
102	MP4C	Z	4.892	4.892	0	%100
103	MP3C	X	8.473	8.473	0	%100
104	MP3C	Z	4.892	4.892	0	%100
105	MP2C	X	8.473	8.473	0	%100
106	MP2C	Z	4.892	4.892	0	%100
107	MP1C	X	8.473	8.473	0	%100
108	MP1C	Z	4.892	4.892	0	%100
109	MP4B	X	8.473	8.473	0	%100
110	MP4B	Z	4.892	4.892	0	%100
111	MP3B	X	8.473	8.473	0	%100
112	MP3B	Z	4.892	4.892	0	%100
113	MP2B	X	8.473	8.473	0	%100
114	MP2B	Z	4.892	4.892	0	%100
115	MP1B	X	8.473	8.473	0	%100
116	MP1B	Z	4.892	4.892	0	%100
117	M102	X	2.564	2.564	0	%100
118	M102	Z	1.48	1.48	0	%100
119	M109	X	2.564	2.564	0	%100
120	M109	Z	1.48	1.48	0	%100
121	M114	X	10.257	10.257	0	%100
122	M114	Z	5.922	5.922	0	%100
123	M123	X	2.943	2.943	0	%100
124	M123	Z	1.699	1.699	0	%100
125	M124	X	11.773	11.773	0	%100
126	M124	Z	6.797	6.797	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, %]
127	M125	X	2.943	2.943	0	%100
128	M125	Z	1.699	1.699	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	M20	X	5.27	5.27	0	%100
2	M20	Z	9.128	9.128	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	9.784	9.784	0	%100
6	M144C	Z	16.946	16.946	0	%100
7	M164A	X	9.269	9.269	0	%100
8	M164A	Z	16.054	16.054	0	%100
9	M169A	X	1.994	1.994	0	%100
10	M169A	Z	3.454	3.454	0	%100
11	M160A	X	3.109	3.109	0	%100
12	M160A	Z	5.385	5.385	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	3.109	3.109	0	%100
16	M163B	Z	5.385	5.385	0	%100
17	M164B	X	9.441	9.441	0	%100
18	M164B	Z	16.352	16.352	0	%100
19	M169B	X	5.801	5.801	0	%100
20	M169B	Z	10.047	10.047	0	%100
21	M170B	X	5.801	5.801	0	%100
22	M170B	Z	10.047	10.047	0	%100
23	M183A	X	5.068	5.068	0	%100
24	M183A	Z	8.779	8.779	0	%100
25	M186A	X	.001	.001	0	%100
26	M186A	Z	.002	.002	0	%100
27	M70	X	3.09	3.09	0	%100
28	M70	Z	5.353	5.353	0	%100
29	M71	X	6.448	6.448	0	%100
30	M71	Z	11.168	11.168	0	%100
31	M26	X	9.784	9.784	0	%100
32	M26	Z	16.946	16.946	0	%100
33	M28	X	9.784	9.784	0	%100
34	M28	Z	16.946	16.946	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	7.977	7.977	0	%100
38	M31	Z	13.817	13.817	0	%100
39	M32	X	12.435	12.435	0	%100
40	M32	Z	21.538	21.538	0	%100
41	M33	X	9.441	9.441	0	%100
42	M33	Z	16.352	16.352	0	%100
43	M35	X	12.435	12.435	0	%100
44	M35	Z	21.538	21.538	0	%100
45	M36	X	9.441	9.441	0	%100
46	M36	Z	16.352	16.352	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	5.229	5.229	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,%]
52	M44	Z	9.057	9.057	0	%100
53	M47	X	5.229	5.229	0	%100
54	M47	Z	9.057	9.057	0	%100
55	M48	X	6.674	6.674	0	%100
56	M48	Z	11.559	11.559	0	%100
57	M49	X	6.674	6.674	0	%100
58	M49	Z	11.559	11.559	0	%100
59	M50	X	9.784	9.784	0	%100
60	M50	Z	16.946	16.946	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	9.269	9.269	0	%100
64	M54	Z	16.054	16.054	0	%100
65	M55	X	1.994	1.994	0	%100
66	M55	Z	3.454	3.454	0	%100
67	M56	X	3.109	3.109	0	%100
68	M56	Z	5.385	5.385	0	%100
69	M57	X	9.441	9.441	0	%100
70	M57	Z	16.352	16.352	0	%100
71	M59	X	3.109	3.109	0	%100
72	M59	Z	5.385	5.385	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	5.801	5.801	0	%100
76	M62	Z	10.047	10.047	0	%100
77	M63	X	5.801	5.801	0	%100
78	M63	Z	10.047	10.047	0	%100
79	M68	X	.001	.001	0	%100
80	M68	Z	.002	.002	0	%100
81	M71A	X	5.068	5.068	0	%100
82	M71A	Z	8.779	8.779	0	%100
83	M72	X	6.448	6.448	0	%100
84	M72	Z	11.168	11.168	0	%100
85	M73	X	3.09	3.09	0	%100
86	M73	Z	5.353	5.353	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	5.27	5.27	0	%100
90	M75	Z	9.128	9.128	0	%100
91	MP4A	X	4.892	4.892	0	%100
92	MP4A	Z	8.473	8.473	0	%100
93	MP3A	X	4.892	4.892	0	%100
94	MP3A	Z	8.473	8.473	0	%100
95	MP2A	X	4.892	4.892	0	%100
96	MP2A	Z	8.473	8.473	0	%100
97	MP1A	X	4.892	4.892	0	%100
98	MP1A	Z	8.473	8.473	0	%100
99	OVP	X	4.153	4.153	0	%100
100	OVP	Z	7.193	7.193	0	%100
101	MP4C	X	4.892	4.892	0	%100
102	MP4C	Z	8.473	8.473	0	%100
103	MP3C	X	4.892	4.892	0	%100
104	MP3C	Z	8.473	8.473	0	%100
105	MP2C	X	4.892	4.892	0	%100
106	MP2C	Z	8.473	8.473	0	%100
107	MP1C	X	4.892	4.892	0	%100
108	MP1C	Z	8.473	8.473	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, %]
109	MP4B	X	4.892	4.892	0	%100
110	MP4B	Z	8.473	8.473	0	%100
111	MP3B	X	4.892	4.892	0	%100
112	MP3B	Z	8.473	8.473	0	%100
113	MP2B	X	4.892	4.892	0	%100
114	MP2B	Z	8.473	8.473	0	%100
115	MP1B	X	4.892	4.892	0	%100
116	MP1B	Z	8.473	8.473	0	%100
117	M102	X	4.441	4.441	0	%100
118	M102	Z	7.693	7.693	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	4.441	4.441	0	%100
122	M114	Z	7.693	7.693	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	5.098	5.098	0	%100
126	M124	Z	8.83	8.83	0	%100
127	M125	X	5.098	5.098	0	%100
128	M125	Z	8.83	8.83	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	M20	X	0	0	0	%100
2	M20	Z	14.053	14.053	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	6.523	6.523	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	6.523	6.523	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	24.717	24.717	0	%100
9	M169A	X	0	0	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	0	0	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	6.294	6.294	0	%100
15	M163B	X	0	0	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	6.294	6.294	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	15.469	15.469	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	15.469	15.469	0	%100
23	M183A	X	0	0	0	%100
24	M183A	Z	3.273	3.273	0	%100
25	M186A	X	0	0	0	%100
26	M186A	Z	3.273	3.273	0	%100
27	M70	X	0	0	0	%100
28	M70	Z	8.269	8.269	0	%100
29	M71	X	0	0	0	%100
30	M71	Z	8.269	8.269	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	6.523	6.523	0	%100
33	M28	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, %]
34	M28	Z	26.091	26.091	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	6.179	6.179	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	11.966	11.966	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	18.653	18.653	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	6.294	6.294	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	18.653	18.653	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	25.175	25.175	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	3.867	3.867	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	3.867	3.867	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	13.729	13.729	0	%100
53	M47	X	0	0	0	%100
54	M47	Z	3.595	3.595	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	8.72	8.72	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	15.435	15.435	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	26.091	26.091	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	6.523	6.523	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	6.179	6.179	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	11.966	11.966	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	18.653	18.653	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	25.175	25.175	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	18.653	18.653	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	6.294	6.294	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	3.867	3.867	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	3.867	3.867	0	%100
79	M68	X	0	0	0	%100
80	M68	Z	3.595	3.595	0	%100
81	M71A	X	0	0	0	%100
82	M71A	Z	13.729	13.729	0	%100
83	M72	X	0	0	0	%100
84	M72	Z	15.435	15.435	0	%100
85	M73	X	0	0	0	%100
86	M73	Z	8.72	8.72	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	3.513	3.513	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	3.513	3.513	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, %]
91	MP4A	X	0	0	0	%100
92	MP4A	Z	9.784	9.784	0	%100
93	MP3A	X	0	0	0	%100
94	MP3A	Z	9.784	9.784	0	%100
95	MP2A	X	0	0	0	%100
96	MP2A	Z	9.784	9.784	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	9.784	9.784	0	%100
99	OVP	X	0	0	0	%100
100	OVP	Z	8.306	8.306	0	%100
101	MP4C	X	0	0	0	%100
102	MP4C	Z	9.784	9.784	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	9.784	9.784	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	9.784	9.784	0	%100
107	MP1C	X	0	0	0	%100
108	MP1C	Z	9.784	9.784	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	9.784	9.784	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	9.784	9.784	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	9.784	9.784	0	%100
115	MP1B	X	0	0	0	%100
116	MP1B	Z	9.784	9.784	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	11.844	11.844	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	2.961	2.961	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	2.961	2.961	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	3.399	3.399	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	3.399	3.399	0	%100
127	M125	X	0	0	0	%100
128	M125	Z	13.594	13.594	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M20	X	-5.27	-5.27	0	%100
2	M20	Z	9.128	9.128	0	%100
3	M142C	X	-9.784	-9.784	0	%100
4	M142C	Z	16.946	16.946	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	-9.269	-9.269	0	%100
8	M164A	Z	16.054	16.054	0	%100
9	M169A	X	-1.994	-1.994	0	%100
10	M169A	Z	3.454	3.454	0	%100
11	M160A	X	-3.109	-3.109	0	%100
12	M160A	Z	5.385	5.385	0	%100
13	M161A	X	-9.441	-9.441	0	%100
14	M161A	Z	16.352	16.352	0	%100
15	M163B	X	-3.109	-3.109	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, %]
16	M163B	Z	5.385	5.385	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	-5.801	-5.801	0	%100
20	M169B	Z	10.047	10.047	0	%100
21	M170B	X	-5.801	-5.801	0	%100
22	M170B	Z	10.047	10.047	0	%100
23	M183A	X	-.001	-.001	0	%100
24	M183A	Z	.002	.002	0	%100
25	M186A	X	-5.068	-5.068	0	%100
26	M186A	Z	8.779	8.779	0	%100
27	M70	X	-6.448	-6.448	0	%100
28	M70	Z	11.168	11.168	0	%100
29	M71	X	-3.09	-3.09	0	%100
30	M71	Z	5.353	5.353	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	-9.784	-9.784	0	%100
34	M28	Z	16.946	16.946	0	%100
35	M30	X	-9.269	-9.269	0	%100
36	M30	Z	16.054	16.054	0	%100
37	M31	X	-1.994	-1.994	0	%100
38	M31	Z	3.454	3.454	0	%100
39	M32	X	-3.109	-3.109	0	%100
40	M32	Z	5.385	5.385	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	-3.109	-3.109	0	%100
44	M35	Z	5.385	5.385	0	%100
45	M36	X	-9.441	-9.441	0	%100
46	M36	Z	16.352	16.352	0	%100
47	M38	X	-5.801	-5.801	0	%100
48	M38	Z	10.047	10.047	0	%100
49	M39	X	-5.801	-5.801	0	%100
50	M39	Z	10.047	10.047	0	%100
51	M44	X	-5.068	-5.068	0	%100
52	M44	Z	8.779	8.779	0	%100
53	M47	X	-.001	-.001	0	%100
54	M47	Z	.002	.002	0	%100
55	M48	X	-3.09	-3.09	0	%100
56	M48	Z	5.353	5.353	0	%100
57	M49	X	-6.448	-6.448	0	%100
58	M49	Z	11.168	11.168	0	%100
59	M50	X	-9.784	-9.784	0	%100
60	M50	Z	16.946	16.946	0	%100
61	M52	X	-9.784	-9.784	0	%100
62	M52	Z	16.946	16.946	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	-7.977	-7.977	0	%100
66	M55	Z	13.817	13.817	0	%100
67	M56	X	-12.435	-12.435	0	%100
68	M56	Z	21.538	21.538	0	%100
69	M57	X	-9.441	-9.441	0	%100
70	M57	Z	16.352	16.352	0	%100
71	M59	X	-12.435	-12.435	0	%100
72	M59	Z	21.538	21.538	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, %]
73	M60	X	-9.441	-9.441	0	%100
74	M60	Z	16.352	16.352	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	-5.229	-5.229	0	%100
80	M68	Z	9.057	9.057	0	%100
81	M71A	X	-5.229	-5.229	0	%100
82	M71A	Z	9.057	9.057	0	%100
83	M72	X	-6.674	-6.674	0	%100
84	M72	Z	11.559	11.559	0	%100
85	M73	X	-6.674	-6.674	0	%100
86	M73	Z	11.559	11.559	0	%100
87	M74	X	-5.27	-5.27	0	%100
88	M74	Z	9.128	9.128	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	-4.892	-4.892	0	%100
92	MP4A	Z	8.473	8.473	0	%100
93	MP3A	X	-4.892	-4.892	0	%100
94	MP3A	Z	8.473	8.473	0	%100
95	MP2A	X	-4.892	-4.892	0	%100
96	MP2A	Z	8.473	8.473	0	%100
97	MP1A	X	-4.892	-4.892	0	%100
98	MP1A	Z	8.473	8.473	0	%100
99	OVP	X	-4.153	-4.153	0	%100
100	OVP	Z	7.193	7.193	0	%100
101	MP4C	X	-4.892	-4.892	0	%100
102	MP4C	Z	8.473	8.473	0	%100
103	MP3C	X	-4.892	-4.892	0	%100
104	MP3C	Z	8.473	8.473	0	%100
105	MP2C	X	-4.892	-4.892	0	%100
106	MP2C	Z	8.473	8.473	0	%100
107	MP1C	X	-4.892	-4.892	0	%100
108	MP1C	Z	8.473	8.473	0	%100
109	MP4B	X	-4.892	-4.892	0	%100
110	MP4B	Z	8.473	8.473	0	%100
111	MP3B	X	-4.892	-4.892	0	%100
112	MP3B	Z	8.473	8.473	0	%100
113	MP2B	X	-4.892	-4.892	0	%100
114	MP2B	Z	8.473	8.473	0	%100
115	MP1B	X	-4.892	-4.892	0	%100
116	MP1B	Z	8.473	8.473	0	%100
117	M102	X	-4.441	-4.441	0	%100
118	M102	Z	7.693	7.693	0	%100
119	M109	X	-4.441	-4.441	0	%100
120	M109	Z	7.693	7.693	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	-5.098	-5.098	0	%100
124	M123	Z	8.83	8.83	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	-5.098	-5.098	0	%100
128	M125	Z	8.83	8.83	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	M20	X	-3.043	-3.043	0	%100
2	M20	Z	1.757	1.757	0	%100
3	M142C	X	-22.595	-22.595	0	%100
4	M142C	Z	13.045	13.045	0	%100
5	M144C	X	-5.649	-5.649	0	%100
6	M144C	Z	3.261	3.261	0	%100
7	M164A	X	-5.351	-5.351	0	%100
8	M164A	Z	3.09	3.09	0	%100
9	M169A	X	-10.363	-10.363	0	%100
10	M169A	Z	5.983	5.983	0	%100
11	M160A	X	-16.154	-16.154	0	%100
12	M160A	Z	9.326	9.326	0	%100
13	M161A	X	-21.802	-21.802	0	%100
14	M161A	Z	12.588	12.588	0	%100
15	M163B	X	-16.154	-16.154	0	%100
16	M163B	Z	9.326	9.326	0	%100
17	M164B	X	-5.451	-5.451	0	%100
18	M164B	Z	3.147	3.147	0	%100
19	M169B	X	-3.349	-3.349	0	%100
20	M169B	Z	1.934	1.934	0	%100
21	M170B	X	-3.349	-3.349	0	%100
22	M170B	Z	1.934	1.934	0	%100
23	M183A	X	-3.113	-3.113	0	%100
24	M183A	Z	1.798	1.798	0	%100
25	M186A	X	-11.89	-11.89	0	%100
26	M186A	Z	6.865	6.865	0	%100
27	M70	X	-13.367	-13.367	0	%100
28	M70	Z	7.718	7.718	0	%100
29	M71	X	-7.552	-7.552	0	%100
30	M71	Z	4.36	4.36	0	%100
31	M26	X	-5.649	-5.649	0	%100
32	M26	Z	3.261	3.261	0	%100
33	M28	X	-5.649	-5.649	0	%100
34	M28	Z	3.261	3.261	0	%100
35	M30	X	-21.406	-21.406	0	%100
36	M30	Z	12.359	12.359	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-5.451	-5.451	0	%100
42	M33	Z	3.147	3.147	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	-5.451	-5.451	0	%100
46	M36	Z	3.147	3.147	0	%100
47	M38	X	-13.396	-13.396	0	%100
48	M38	Z	7.734	7.734	0	%100
49	M39	X	-13.396	-13.396	0	%100
50	M39	Z	7.734	7.734	0	%100
51	M44	X	-2.835	-2.835	0	%100
52	M44	Z	1.637	1.637	0	%100
53	M47	X	-2.835	-2.835	0	%100
54	M47	Z	1.637	1.637	0	%100
55	M48	X	-7.161	-7.161	0	%100
56	M48	Z	4.134	4.134	0	%100
57	M49	X	-7.161	-7.161	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,%]
58	M49	Z	4.134	4.134	0	%100
59	M50	X	-5.649	-5.649	0	%100
60	M50	Z	3.261	3.261	0	%100
61	M52	X	-22.595	-22.595	0	%100
62	M52	Z	13.045	13.045	0	%100
63	M54	X	-5.351	-5.351	0	%100
64	M54	Z	3.09	3.09	0	%100
65	M55	X	-10.363	-10.363	0	%100
66	M55	Z	5.983	5.983	0	%100
67	M56	X	-16.154	-16.154	0	%100
68	M56	Z	9.326	9.326	0	%100
69	M57	X	-5.451	-5.451	0	%100
70	M57	Z	3.147	3.147	0	%100
71	M59	X	-16.154	-16.154	0	%100
72	M59	Z	9.326	9.326	0	%100
73	M60	X	-21.802	-21.802	0	%100
74	M60	Z	12.588	12.588	0	%100
75	M62	X	-3.349	-3.349	0	%100
76	M62	Z	1.934	1.934	0	%100
77	M63	X	-3.349	-3.349	0	%100
78	M63	Z	1.934	1.934	0	%100
79	M68	X	-11.89	-11.89	0	%100
80	M68	Z	6.865	6.865	0	%100
81	M71A	X	-3.113	-3.113	0	%100
82	M71A	Z	1.798	1.798	0	%100
83	M72	X	-7.552	-7.552	0	%100
84	M72	Z	4.36	4.36	0	%100
85	M73	X	-13.367	-13.367	0	%100
86	M73	Z	7.718	7.718	0	%100
87	M74	X	-12.17	-12.17	0	%100
88	M74	Z	7.027	7.027	0	%100
89	M75	X	-3.043	-3.043	0	%100
90	M75	Z	1.757	1.757	0	%100
91	MP4A	X	-8.473	-8.473	0	%100
92	MP4A	Z	4.892	4.892	0	%100
93	MP3A	X	-8.473	-8.473	0	%100
94	MP3A	Z	4.892	4.892	0	%100
95	MP2A	X	-8.473	-8.473	0	%100
96	MP2A	Z	4.892	4.892	0	%100
97	MP1A	X	-8.473	-8.473	0	%100
98	MP1A	Z	4.892	4.892	0	%100
99	OVP	X	-7.193	-7.193	0	%100
100	OVP	Z	4.153	4.153	0	%100
101	MP4C	X	-8.473	-8.473	0	%100
102	MP4C	Z	4.892	4.892	0	%100
103	MP3C	X	-8.473	-8.473	0	%100
104	MP3C	Z	4.892	4.892	0	%100
105	MP2C	X	-8.473	-8.473	0	%100
106	MP2C	Z	4.892	4.892	0	%100
107	MP1C	X	-8.473	-8.473	0	%100
108	MP1C	Z	4.892	4.892	0	%100
109	MP4B	X	-8.473	-8.473	0	%100
110	MP4B	Z	4.892	4.892	0	%100
111	MP3B	X	-8.473	-8.473	0	%100
112	MP3B	Z	4.892	4.892	0	%100
113	MP2B	X	-8.473	-8.473	0	%100
114	MP2B	Z	4.892	4.892	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,%]
115	MP1B	X	-8.473	-8.473	0	%100
116	MP1B	Z	4.892	4.892	0	%100
117	M102	X	-2.564	-2.564	0	%100
118	M102	Z	1.48	1.48	0	%100
119	M109	X	-10.257	-10.257	0	%100
120	M109	Z	5.922	5.922	0	%100
121	M114	X	-2.564	-2.564	0	%100
122	M114	Z	1.48	1.48	0	%100
123	M123	X	-11.773	-11.773	0	%100
124	M123	Z	6.797	6.797	0	%100
125	M124	X	-2.943	-2.943	0	%100
126	M124	Z	1.699	1.699	0	%100
127	M125	X	-2.943	-2.943	0	%100
128	M125	Z	1.699	1.699	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M142C	X	-19.568	-19.568	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	-19.568	-19.568	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	0	0	0	%100
9	M169A	X	-15.954	-15.954	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	-24.87	-24.87	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	-18.881	-18.881	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	-24.87	-24.87	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	-18.881	-18.881	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	0	0	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	0	0	0	%100
23	M183A	X	-10.459	-10.459	0	%100
24	M183A	Z	0	0	0	%100
25	M186A	X	-10.459	-10.459	0	%100
26	M186A	Z	0	0	0	%100
27	M70	X	-13.347	-13.347	0	%100
28	M70	Z	0	0	0	%100
29	M71	X	-13.347	-13.347	0	%100
30	M71	Z	0	0	0	%100
31	M26	X	-19.568	-19.568	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M30	X	-18.538	-18.538	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-3.989	-3.989	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-6.218	-6.218	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,%]
40	M32	Z	0	0	0	%100
41	M33	X	-18.881	-18.881	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	-6.218	-6.218	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	0	0	0	%100
47	M38	X	-11.602	-11.602	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	-11.602	-11.602	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	-0.003	-0.003	0	%100
52	M44	Z	0	0	0	%100
53	M47	X	-10.137	-10.137	0	%100
54	M47	Z	0	0	0	%100
55	M48	X	-12.896	-12.896	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-6.181	-6.181	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	0	0	0	%100
61	M52	X	-19.568	-19.568	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	-18.538	-18.538	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	-3.989	-3.989	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	-6.218	-6.218	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	0	0	0	%100
71	M59	X	-6.218	-6.218	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-18.881	-18.881	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	-11.602	-11.602	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	-11.602	-11.602	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	-10.137	-10.137	0	%100
80	M68	Z	0	0	0	%100
81	M71A	X	-0.003	-0.003	0	%100
82	M71A	Z	0	0	0	%100
83	M72	X	-6.181	-6.181	0	%100
84	M72	Z	0	0	0	%100
85	M73	X	-12.896	-12.896	0	%100
86	M73	Z	0	0	0	%100
87	M74	X	-10.54	-10.54	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	-10.54	-10.54	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	-9.784	-9.784	0	%100
92	MP4A	Z	0	0	0	%100
93	MP3A	X	-9.784	-9.784	0	%100
94	MP3A	Z	0	0	0	%100
95	MP2A	X	-9.784	-9.784	0	%100
96	MP2A	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, %]
97	MP1A	X	-9.784	-9.784	0	%100
98	MP1A	Z	0	0	0	%100
99	OVP	X	-8.306	-8.306	0	%100
100	OVP	Z	0	0	0	%100
101	MP4C	X	-9.784	-9.784	0	%100
102	MP4C	Z	0	0	0	%100
103	MP3C	X	-9.784	-9.784	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-9.784	-9.784	0	%100
106	MP2C	Z	0	0	0	%100
107	MP1C	X	-9.784	-9.784	0	%100
108	MP1C	Z	0	0	0	%100
109	MP4B	X	-9.784	-9.784	0	%100
110	MP4B	Z	0	0	0	%100
111	MP3B	X	-9.784	-9.784	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	-9.784	-9.784	0	%100
114	MP2B	Z	0	0	0	%100
115	MP1B	X	-9.784	-9.784	0	%100
116	MP1B	Z	0	0	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	0	0	0	%100
119	M109	X	-8.883	-8.883	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	-8.883	-8.883	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	-10.196	-10.196	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	-10.196	-10.196	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	0	0	0	%100
128	M125	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	M20	X	-3.043	-3.043	0	%100
2	M20	Z	-1.757	-1.757	0	%100
3	M142C	X	-5.649	-5.649	0	%100
4	M142C	Z	-3.261	-3.261	0	%100
5	M144C	X	-22.595	-22.595	0	%100
6	M144C	Z	-13.045	-13.045	0	%100
7	M164A	X	-5.351	-5.351	0	%100
8	M164A	Z	-3.09	-3.09	0	%100
9	M169A	X	-10.363	-10.363	0	%100
10	M169A	Z	-5.983	-5.983	0	%100
11	M160A	X	-16.154	-16.154	0	%100
12	M160A	Z	-9.326	-9.326	0	%100
13	M161A	X	-5.451	-5.451	0	%100
14	M161A	Z	-3.147	-3.147	0	%100
15	M163B	X	-16.154	-16.154	0	%100
16	M163B	Z	-9.326	-9.326	0	%100
17	M164B	X	-21.802	-21.802	0	%100
18	M164B	Z	-12.588	-12.588	0	%100
19	M169B	X	-3.349	-3.349	0	%100
20	M169B	Z	-1.934	-1.934	0	%100
21	M170B	X	-3.349	-3.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M170B	Z	-1.934	-1.934	0	%100
23	M183A	X	-11.89	-11.89	0	%100
24	M183A	Z	-6.865	-6.865	0	%100
25	M186A	X	-3.113	-3.113	0	%100
26	M186A	Z	-1.798	-1.798	0	%100
27	M70	X	-7.552	-7.552	0	%100
28	M70	Z	-4.36	-4.36	0	%100
29	M71	X	-13.367	-13.367	0	%100
30	M71	Z	-7.718	-7.718	0	%100
31	M26	X	-22.595	-22.595	0	%100
32	M26	Z	-13.045	-13.045	0	%100
33	M28	X	-5.649	-5.649	0	%100
34	M28	Z	-3.261	-3.261	0	%100
35	M30	X	-5.351	-5.351	0	%100
36	M30	Z	-3.09	-3.09	0	%100
37	M31	X	-10.363	-10.363	0	%100
38	M31	Z	-5.983	-5.983	0	%100
39	M32	X	-16.154	-16.154	0	%100
40	M32	Z	-9.326	-9.326	0	%100
41	M33	X	-21.802	-21.802	0	%100
42	M33	Z	-12.588	-12.588	0	%100
43	M35	X	-16.154	-16.154	0	%100
44	M35	Z	-9.326	-9.326	0	%100
45	M36	X	-5.451	-5.451	0	%100
46	M36	Z	-3.147	-3.147	0	%100
47	M38	X	-3.349	-3.349	0	%100
48	M38	Z	-1.934	-1.934	0	%100
49	M39	X	-3.349	-3.349	0	%100
50	M39	Z	-1.934	-1.934	0	%100
51	M44	X	-3.113	-3.113	0	%100
52	M44	Z	-1.798	-1.798	0	%100
53	M47	X	-11.89	-11.89	0	%100
54	M47	Z	-6.865	-6.865	0	%100
55	M48	X	-13.367	-13.367	0	%100
56	M48	Z	-7.718	-7.718	0	%100
57	M49	X	-7.552	-7.552	0	%100
58	M49	Z	-4.36	-4.36	0	%100
59	M50	X	-5.649	-5.649	0	%100
60	M50	Z	-3.261	-3.261	0	%100
61	M52	X	-5.649	-5.649	0	%100
62	M52	Z	-3.261	-3.261	0	%100
63	M54	X	-21.406	-21.406	0	%100
64	M54	Z	-12.359	-12.359	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	-5.451	-5.451	0	%100
70	M57	Z	-3.147	-3.147	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-5.451	-5.451	0	%100
74	M60	Z	-3.147	-3.147	0	%100
75	M62	X	-13.396	-13.396	0	%100
76	M62	Z	-7.734	-7.734	0	%100
77	M63	X	-13.396	-13.396	0	%100
78	M63	Z	-7.734	-7.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M68	X	-2.835	-2.835	0	%100
80	M68	Z	-1.637	-1.637	0	%100
81	M71A	X	-2.835	-2.835	0	%100
82	M71A	Z	-1.637	-1.637	0	%100
83	M72	X	-7.161	-7.161	0	%100
84	M72	Z	-4.134	-4.134	0	%100
85	M73	X	-7.161	-7.161	0	%100
86	M73	Z	-4.134	-4.134	0	%100
87	M74	X	-3.043	-3.043	0	%100
88	M74	Z	-1.757	-1.757	0	%100
89	M75	X	-12.17	-12.17	0	%100
90	M75	Z	-7.027	-7.027	0	%100
91	MP4A	X	-8.473	-8.473	0	%100
92	MP4A	Z	-4.892	-4.892	0	%100
93	MP3A	X	-8.473	-8.473	0	%100
94	MP3A	Z	-4.892	-4.892	0	%100
95	MP2A	X	-8.473	-8.473	0	%100
96	MP2A	Z	-4.892	-4.892	0	%100
97	MP1A	X	-8.473	-8.473	0	%100
98	MP1A	Z	-4.892	-4.892	0	%100
99	OVP	X	-7.193	-7.193	0	%100
100	OVP	Z	-4.153	-4.153	0	%100
101	MP4C	X	-8.473	-8.473	0	%100
102	MP4C	Z	-4.892	-4.892	0	%100
103	MP3C	X	-8.473	-8.473	0	%100
104	MP3C	Z	-4.892	-4.892	0	%100
105	MP2C	X	-8.473	-8.473	0	%100
106	MP2C	Z	-4.892	-4.892	0	%100
107	MP1C	X	-8.473	-8.473	0	%100
108	MP1C	Z	-4.892	-4.892	0	%100
109	MP4B	X	-8.473	-8.473	0	%100
110	MP4B	Z	-4.892	-4.892	0	%100
111	MP3B	X	-8.473	-8.473	0	%100
112	MP3B	Z	-4.892	-4.892	0	%100
113	MP2B	X	-8.473	-8.473	0	%100
114	MP2B	Z	-4.892	-4.892	0	%100
115	MP1B	X	-8.473	-8.473	0	%100
116	MP1B	Z	-4.892	-4.892	0	%100
117	M102	X	-2.564	-2.564	0	%100
118	M102	Z	-1.48	-1.48	0	%100
119	M109	X	-2.564	-2.564	0	%100
120	M109	Z	-1.48	-1.48	0	%100
121	M114	X	-10.257	-10.257	0	%100
122	M114	Z	-5.922	-5.922	0	%100
123	M123	X	-2.943	-2.943	0	%100
124	M123	Z	-1.699	-1.699	0	%100
125	M124	X	-11.773	-11.773	0	%100
126	M124	Z	-6.797	-6.797	0	%100
127	M125	X	-2.943	-2.943	0	%100
128	M125	Z	-1.699	-1.699	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	M20	X	-5.27	-5.27	0	%100
2	M20	Z	-9.128	-9.128	0	%100
3	M142C	X	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, %]
4	M142C	Z	0	0	0	%100
5	M144C	X	-9.784	-9.784	0	%100
6	M144C	Z	-16.946	-16.946	0	%100
7	M164A	X	-9.269	-9.269	0	%100
8	M164A	Z	-16.054	-16.054	0	%100
9	M169A	X	-1.994	-1.994	0	%100
10	M169A	Z	-3.454	-3.454	0	%100
11	M160A	X	-3.109	-3.109	0	%100
12	M160A	Z	-5.385	-5.385	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	-3.109	-3.109	0	%100
16	M163B	Z	-5.385	-5.385	0	%100
17	M164B	X	-9.441	-9.441	0	%100
18	M164B	Z	-16.352	-16.352	0	%100
19	M169B	X	-5.801	-5.801	0	%100
20	M169B	Z	-10.047	-10.047	0	%100
21	M170B	X	-5.801	-5.801	0	%100
22	M170B	Z	-10.047	-10.047	0	%100
23	M183A	X	-5.068	-5.068	0	%100
24	M183A	Z	-8.779	-8.779	0	%100
25	M186A	X	-0.001	-0.001	0	%100
26	M186A	Z	-0.002	-0.002	0	%100
27	M70	X	-3.09	-3.09	0	%100
28	M70	Z	-5.353	-5.353	0	%100
29	M71	X	-6.448	-6.448	0	%100
30	M71	Z	-11.168	-11.168	0	%100
31	M26	X	-9.784	-9.784	0	%100
32	M26	Z	-16.946	-16.946	0	%100
33	M28	X	-9.784	-9.784	0	%100
34	M28	Z	-16.946	-16.946	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-7.977	-7.977	0	%100
38	M31	Z	-13.817	-13.817	0	%100
39	M32	X	-12.435	-12.435	0	%100
40	M32	Z	-21.538	-21.538	0	%100
41	M33	X	-9.441	-9.441	0	%100
42	M33	Z	-16.352	-16.352	0	%100
43	M35	X	-12.435	-12.435	0	%100
44	M35	Z	-21.538	-21.538	0	%100
45	M36	X	-9.441	-9.441	0	%100
46	M36	Z	-16.352	-16.352	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	-5.229	-5.229	0	%100
52	M44	Z	-9.057	-9.057	0	%100
53	M47	X	-5.229	-5.229	0	%100
54	M47	Z	-9.057	-9.057	0	%100
55	M48	X	-6.674	-6.674	0	%100
56	M48	Z	-11.559	-11.559	0	%100
57	M49	X	-6.674	-6.674	0	%100
58	M49	Z	-11.559	-11.559	0	%100
59	M50	X	-9.784	-9.784	0	%100
60	M50	Z	-16.946	-16.946	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, %]
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	-9.269	-9.269	0	%100
64	M54	Z	-16.054	-16.054	0	%100
65	M55	X	-1.994	-1.994	0	%100
66	M55	Z	-3.454	-3.454	0	%100
67	M56	X	-3.109	-3.109	0	%100
68	M56	Z	-5.385	-5.385	0	%100
69	M57	X	-9.441	-9.441	0	%100
70	M57	Z	-16.352	-16.352	0	%100
71	M59	X	-3.109	-3.109	0	%100
72	M59	Z	-5.385	-5.385	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	-5.801	-5.801	0	%100
76	M62	Z	-10.047	-10.047	0	%100
77	M63	X	-5.801	-5.801	0	%100
78	M63	Z	-10.047	-10.047	0	%100
79	M68	X	-0.001	-0.001	0	%100
80	M68	Z	-0.002	-0.002	0	%100
81	M71A	X	-5.068	-5.068	0	%100
82	M71A	Z	-8.779	-8.779	0	%100
83	M72	X	-6.448	-6.448	0	%100
84	M72	Z	-11.168	-11.168	0	%100
85	M73	X	-3.09	-3.09	0	%100
86	M73	Z	-5.353	-5.353	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	-5.27	-5.27	0	%100
90	M75	Z	-9.128	-9.128	0	%100
91	MP4A	X	-4.892	-4.892	0	%100
92	MP4A	Z	-8.473	-8.473	0	%100
93	MP3A	X	-4.892	-4.892	0	%100
94	MP3A	Z	-8.473	-8.473	0	%100
95	MP2A	X	-4.892	-4.892	0	%100
96	MP2A	Z	-8.473	-8.473	0	%100
97	MP1A	X	-4.892	-4.892	0	%100
98	MP1A	Z	-8.473	-8.473	0	%100
99	OVP	X	-4.153	-4.153	0	%100
100	OVP	Z	-7.193	-7.193	0	%100
101	MP4C	X	-4.892	-4.892	0	%100
102	MP4C	Z	-8.473	-8.473	0	%100
103	MP3C	X	-4.892	-4.892	0	%100
104	MP3C	Z	-8.473	-8.473	0	%100
105	MP2C	X	-4.892	-4.892	0	%100
106	MP2C	Z	-8.473	-8.473	0	%100
107	MP1C	X	-4.892	-4.892	0	%100
108	MP1C	Z	-8.473	-8.473	0	%100
109	MP4B	X	-4.892	-4.892	0	%100
110	MP4B	Z	-8.473	-8.473	0	%100
111	MP3B	X	-4.892	-4.892	0	%100
112	MP3B	Z	-8.473	-8.473	0	%100
113	MP2B	X	-4.892	-4.892	0	%100
114	MP2B	Z	-8.473	-8.473	0	%100
115	MP1B	X	-4.892	-4.892	0	%100
116	MP1B	Z	-8.473	-8.473	0	%100
117	M102	X	-4.441	-4.441	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, %]
118	M102	Z	-7.693	-7.693	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	-4.441	-4.441	0	%100
122	M114	Z	-7.693	-7.693	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	-5.098	-5.098	0	%100
126	M124	Z	-8.83	-8.83	0	%100
127	M125	X	-5.098	-5.098	0	%100
128	M125	Z	-8.83	-8.83	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	M20	X	0	0	0	%100
2	M20	Z	-5.151	-5.151	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	-1.545	-1.545	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	-1.545	-1.545	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	-5.988	-5.988	0	%100
9	M169A	X	0	0	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	0	0	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	-1.504	-1.504	0	%100
15	M163B	X	0	0	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	-1.504	-1.504	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	-4.567	-4.567	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	-4.567	-4.567	0	%100
23	M183A	X	0	0	0	%100
24	M183A	Z	-1.08	-1.08	0	%100
25	M186A	X	0	0	0	%100
26	M186A	Z	-1.08	-1.08	0	%100
27	M70	X	0	0	0	%100
28	M70	Z	-2.569	-2.569	0	%100
29	M71	X	0	0	0	%100
30	M71	Z	-2.569	-2.569	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.545	-1.545	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-6.179	-6.179	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-1.497	-1.497	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-3.817	-3.817	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-4.47	-4.47	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-1.504	-1.504	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, %]
43	M35	X	0	0	0	%100
44	M35	Z	-4.47	-4.47	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	-6.015	-6.015	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	-1.142	-1.142	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	-1.142	-1.142	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-4.528	-4.528	0	%100
53	M47	X	0	0	0	%100
54	M47	Z	-1.186	-1.186	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-2.71	-2.71	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-4.796	-4.796	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	-6.179	-6.179	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	-1.545	-1.545	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-1.497	-1.497	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	-3.817	-3.817	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	-4.47	-4.47	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	-6.015	-6.015	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	-4.47	-4.47	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	-1.504	-1.504	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	-1.142	-1.142	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	-1.142	-1.142	0	%100
79	M68	X	0	0	0	%100
80	M68	Z	-1.186	-1.186	0	%100
81	M71A	X	0	0	0	%100
82	M71A	Z	-4.528	-4.528	0	%100
83	M72	X	0	0	0	%100
84	M72	Z	-4.796	-4.796	0	%100
85	M73	X	0	0	0	%100
86	M73	Z	-2.71	-2.71	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	-1.288	-1.288	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	-1.288	-1.288	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-4.319	-4.319	0	%100
93	MP3A	X	0	0	0	%100
94	MP3A	Z	-4.319	-4.319	0	%100
95	MP2A	X	0	0	0	%100
96	MP2A	Z	-4.319	-4.319	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	-4.319	-4.319	0	%100
99	OVP	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
100	OVP	Z	-3.415	-3.415	0	%100
101	MP4C	X	0	0	0	%100
102	MP4C	Z	-4.319	-4.319	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-4.319	-4.319	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	-4.319	-4.319	0	%100
107	MP1C	X	0	0	0	%100
108	MP1C	Z	-4.319	-4.319	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	-4.319	-4.319	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-4.319	-4.319	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	-4.319	-4.319	0	%100
115	MP1B	X	0	0	0	%100
116	MP1B	Z	-4.319	-4.319	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	-4.689	-4.689	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	-1.172	-1.172	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	-1.172	-1.172	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	-1.008	-1.008	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	-1.008	-1.008	0	%100
127	M125	X	0	0	0	%100
128	M125	Z	-4.03	-4.03	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	M20	X	1.932	1.932	0	%100
2	M20	Z	-3.346	-3.346	0	%100
3	M142C	X	2.317	2.317	0	%100
4	M142C	Z	-4.013	-4.013	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	2.246	2.246	0	%100
8	M164A	Z	-3.89	-3.89	0	%100
9	M169A	X	.636	.636	0	%100
10	M169A	Z	-1.102	-1.102	0	%100
11	M160A	X	.745	.745	0	%100
12	M160A	Z	-1.29	-1.29	0	%100
13	M161A	X	2.256	2.256	0	%100
14	M161A	Z	-3.907	-3.907	0	%100
15	M163B	X	.745	.745	0	%100
16	M163B	Z	-1.29	-1.29	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	1.713	1.713	0	%100
20	M169B	Z	-2.966	-2.966	0	%100
21	M170B	X	1.713	1.713	0	%100
22	M170B	Z	-2.966	-2.966	0	%100
23	M183A	X	.000414	.000414	0	%100
24	M183A	Z	-.000717	-.000717	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, %]
25	M186A	X	1.672	1.672	0	%100
26	M186A	Z	-2.895	-2.895	0	%100
27	M70	X	2.004	2.004	0	%100
28	M70	Z	-3.47	-3.47	0	%100
29	M71	X	.96	.96	0	%100
30	M71	Z	-1.663	-1.663	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	2.317	2.317	0	%100
34	M28	Z	-4.013	-4.013	0	%100
35	M30	X	2.246	2.246	0	%100
36	M30	Z	-3.89	-3.89	0	%100
37	M31	X	.636	.636	0	%100
38	M31	Z	-1.102	-1.102	0	%100
39	M32	X	.745	.745	0	%100
40	M32	Z	-1.29	-1.29	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	.745	.745	0	%100
44	M35	Z	-1.29	-1.29	0	%100
45	M36	X	2.256	2.256	0	%100
46	M36	Z	-3.907	-3.907	0	%100
47	M38	X	1.713	1.713	0	%100
48	M38	Z	-2.966	-2.966	0	%100
49	M39	X	1.713	1.713	0	%100
50	M39	Z	-2.966	-2.966	0	%100
51	M44	X	1.672	1.672	0	%100
52	M44	Z	-2.895	-2.895	0	%100
53	M47	X	.000414	.000414	0	%100
54	M47	Z	-.000717	-.000717	0	%100
55	M48	X	.96	.96	0	%100
56	M48	Z	-1.663	-1.663	0	%100
57	M49	X	2.004	2.004	0	%100
58	M49	Z	-3.47	-3.47	0	%100
59	M50	X	2.317	2.317	0	%100
60	M50	Z	-4.013	-4.013	0	%100
61	M52	X	2.317	2.317	0	%100
62	M52	Z	-4.013	-4.013	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	2.545	2.545	0	%100
66	M55	Z	-4.408	-4.408	0	%100
67	M56	X	2.98	2.98	0	%100
68	M56	Z	-5.161	-5.161	0	%100
69	M57	X	2.256	2.256	0	%100
70	M57	Z	-3.907	-3.907	0	%100
71	M59	X	2.98	2.98	0	%100
72	M59	Z	-5.161	-5.161	0	%100
73	M60	X	2.256	2.256	0	%100
74	M60	Z	-3.907	-3.907	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	1.725	1.725	0	%100
80	M68	Z	-2.987	-2.987	0	%100
81	M71A	X	1.725	1.725	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, %]
82	M71A	Z	-2.987	-2.987	0	%100
83	M72	X	2.074	2.074	0	%100
84	M72	Z	-3.592	-3.592	0	%100
85	M73	X	2.074	2.074	0	%100
86	M73	Z	-3.592	-3.592	0	%100
87	M74	X	1.932	1.932	0	%100
88	M74	Z	-3.346	-3.346	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	2.159	2.159	0	%100
92	MP4A	Z	-3.74	-3.74	0	%100
93	MP3A	X	2.159	2.159	0	%100
94	MP3A	Z	-3.74	-3.74	0	%100
95	MP2A	X	2.159	2.159	0	%100
96	MP2A	Z	-3.74	-3.74	0	%100
97	MP1A	X	2.159	2.159	0	%100
98	MP1A	Z	-3.74	-3.74	0	%100
99	OVP	X	1.708	1.708	0	%100
100	OVP	Z	-2.958	-2.958	0	%100
101	MP4C	X	2.159	2.159	0	%100
102	MP4C	Z	-3.74	-3.74	0	%100
103	MP3C	X	2.159	2.159	0	%100
104	MP3C	Z	-3.74	-3.74	0	%100
105	MP2C	X	2.159	2.159	0	%100
106	MP2C	Z	-3.74	-3.74	0	%100
107	MP1C	X	2.159	2.159	0	%100
108	MP1C	Z	-3.74	-3.74	0	%100
109	MP4B	X	2.159	2.159	0	%100
110	MP4B	Z	-3.74	-3.74	0	%100
111	MP3B	X	2.159	2.159	0	%100
112	MP3B	Z	-3.74	-3.74	0	%100
113	MP2B	X	2.159	2.159	0	%100
114	MP2B	Z	-3.74	-3.74	0	%100
115	MP1B	X	2.159	2.159	0	%100
116	MP1B	Z	-3.74	-3.74	0	%100
117	M102	X	1.758	1.758	0	%100
118	M102	Z	-3.045	-3.045	0	%100
119	M109	X	1.758	1.758	0	%100
120	M109	Z	-3.045	-3.045	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	1.511	1.511	0	%100
124	M123	Z	-2.618	-2.618	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	1.511	1.511	0	%100
128	M125	Z	-2.618	-2.618	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	M20	X	1.115	1.115	0	%100
2	M20	Z	-.644	-.644	0	%100
3	M142C	X	5.351	5.351	0	%100
4	M142C	Z	-3.09	-3.09	0	%100
5	M144C	X	1.338	1.338	0	%100
6	M144C	Z	-.772	-.772	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, %]
7	M164A	X	1.297	1.297	0	%100
8	M164A	Z	-.749	-.749	0	%100
9	M169A	X	3.306	3.306	0	%100
10	M169A	Z	-1.909	-1.909	0	%100
11	M160A	X	3.871	3.871	0	%100
12	M160A	Z	-2.235	-2.235	0	%100
13	M161A	X	5.209	5.209	0	%100
14	M161A	Z	-3.007	-3.007	0	%100
15	M163B	X	3.871	3.871	0	%100
16	M163B	Z	-2.235	-2.235	0	%100
17	M164B	X	1.302	1.302	0	%100
18	M164B	Z	-.752	-.752	0	%100
19	M169B	X	.989	.989	0	%100
20	M169B	Z	-.571	-.571	0	%100
21	M170B	X	.989	.989	0	%100
22	M170B	Z	-.571	-.571	0	%100
23	M183A	X	1.027	1.027	0	%100
24	M183A	Z	-.593	-.593	0	%100
25	M186A	X	3.922	3.922	0	%100
26	M186A	Z	-2.264	-2.264	0	%100
27	M70	X	4.154	4.154	0	%100
28	M70	Z	-2.398	-2.398	0	%100
29	M71	X	2.347	2.347	0	%100
30	M71	Z	-1.355	-1.355	0	%100
31	M26	X	1.338	1.338	0	%100
32	M26	Z	-.772	-.772	0	%100
33	M28	X	1.338	1.338	0	%100
34	M28	Z	-.772	-.772	0	%100
35	M30	X	5.186	5.186	0	%100
36	M30	Z	-2.994	-2.994	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	1.302	1.302	0	%100
42	M33	Z	-.752	-.752	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	1.302	1.302	0	%100
46	M36	Z	-.752	-.752	0	%100
47	M38	X	3.955	3.955	0	%100
48	M38	Z	-2.283	-2.283	0	%100
49	M39	X	3.955	3.955	0	%100
50	M39	Z	-2.283	-2.283	0	%100
51	M44	X	.935	.935	0	%100
52	M44	Z	-.54	-.54	0	%100
53	M47	X	.935	.935	0	%100
54	M47	Z	-.54	-.54	0	%100
55	M48	X	2.225	2.225	0	%100
56	M48	Z	-1.285	-1.285	0	%100
57	M49	X	2.225	2.225	0	%100
58	M49	Z	-1.285	-1.285	0	%100
59	M50	X	1.338	1.338	0	%100
60	M50	Z	-.772	-.772	0	%100
61	M52	X	5.351	5.351	0	%100
62	M52	Z	-3.09	-3.09	0	%100
63	M54	X	1.297	1.297	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,%]
64	M54	Z	- .749	- .749	0	%100
65	M55	X	3.306	3.306	0	%100
66	M55	Z	-1.909	-1.909	0	%100
67	M56	X	3.871	3.871	0	%100
68	M56	Z	-2.235	-2.235	0	%100
69	M57	X	1.302	1.302	0	%100
70	M57	Z	- .752	- .752	0	%100
71	M59	X	3.871	3.871	0	%100
72	M59	Z	-2.235	-2.235	0	%100
73	M60	X	5.209	5.209	0	%100
74	M60	Z	-3.007	-3.007	0	%100
75	M62	X	.989	.989	0	%100
76	M62	Z	- .571	- .571	0	%100
77	M63	X	.989	.989	0	%100
78	M63	Z	- .571	- .571	0	%100
79	M68	X	3.922	3.922	0	%100
80	M68	Z	-2.264	-2.264	0	%100
81	M71A	X	1.027	1.027	0	%100
82	M71A	Z	- .593	- .593	0	%100
83	M72	X	2.347	2.347	0	%100
84	M72	Z	-1.355	-1.355	0	%100
85	M73	X	4.154	4.154	0	%100
86	M73	Z	-2.398	-2.398	0	%100
87	M74	X	4.461	4.461	0	%100
88	M74	Z	-2.575	-2.575	0	%100
89	M75	X	1.115	1.115	0	%100
90	M75	Z	- .644	- .644	0	%100
91	MP4A	X	3.74	3.74	0	%100
92	MP4A	Z	-2.159	-2.159	0	%100
93	MP3A	X	3.74	3.74	0	%100
94	MP3A	Z	-2.159	-2.159	0	%100
95	MP2A	X	3.74	3.74	0	%100
96	MP2A	Z	-2.159	-2.159	0	%100
97	MP1A	X	3.74	3.74	0	%100
98	MP1A	Z	-2.159	-2.159	0	%100
99	OVP	X	2.958	2.958	0	%100
100	OVP	Z	-1.708	-1.708	0	%100
101	MP4C	X	3.74	3.74	0	%100
102	MP4C	Z	-2.159	-2.159	0	%100
103	MP3C	X	3.74	3.74	0	%100
104	MP3C	Z	-2.159	-2.159	0	%100
105	MP2C	X	3.74	3.74	0	%100
106	MP2C	Z	-2.159	-2.159	0	%100
107	MP1C	X	3.74	3.74	0	%100
108	MP1C	Z	-2.159	-2.159	0	%100
109	MP4B	X	3.74	3.74	0	%100
110	MP4B	Z	-2.159	-2.159	0	%100
111	MP3B	X	3.74	3.74	0	%100
112	MP3B	Z	-2.159	-2.159	0	%100
113	MP2B	X	3.74	3.74	0	%100
114	MP2B	Z	-2.159	-2.159	0	%100
115	MP1B	X	3.74	3.74	0	%100
116	MP1B	Z	-2.159	-2.159	0	%100
117	M102	X	1.015	1.015	0	%100
118	M102	Z	- .586	- .586	0	%100
119	M109	X	4.06	4.06	0	%100
120	M109	Z	-2.344	-2.344	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, %]
121	M114	X	1.015	1.015	0	%100
122	M114	Z	-.586	-.586	0	%100
123	M123	X	3.49	3.49	0	%100
124	M123	Z	-2.015	-2.015	0	%100
125	M124	X	.873	.873	0	%100
126	M124	Z	-.504	-.504	0	%100
127	M125	X	.873	.873	0	%100
128	M125	Z	-.504	-.504	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M142C	X	4.634	4.634	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	4.634	4.634	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	0	0	0	%100
9	M169A	X	5.09	5.09	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	5.96	5.96	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	4.511	4.511	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	5.96	5.96	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	4.511	4.511	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	0	0	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	0	0	0	%100
23	M183A	X	3.449	3.449	0	%100
24	M183A	Z	0	0	0	%100
25	M186A	X	3.449	3.449	0	%100
26	M186A	Z	0	0	0	%100
27	M70	X	4.147	4.147	0	%100
28	M70	Z	0	0	0	%100
29	M71	X	4.147	4.147	0	%100
30	M71	Z	0	0	0	%100
31	M26	X	4.634	4.634	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M30	X	4.491	4.491	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	1.272	1.272	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	1.49	1.49	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	4.511	4.511	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	1.49	1.49	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M36	Z	0	0	0	%100
47	M38	X	3.425	3.425	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	3.425	3.425	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	.000828	.000828	0	%100
52	M44	Z	0	0	0	%100
53	M47	X	3.343	3.343	0	%100
54	M47	Z	0	0	0	%100
55	M48	X	4.007	4.007	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	1.921	1.921	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	0	0	0	%100
61	M52	X	4.634	4.634	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	4.491	4.491	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	1.272	1.272	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	1.49	1.49	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	0	0	0	%100
71	M59	X	1.49	1.49	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	4.511	4.511	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	3.425	3.425	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	3.425	3.425	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	3.343	3.343	0	%100
80	M68	Z	0	0	0	%100
81	M71A	X	.000828	.000828	0	%100
82	M71A	Z	0	0	0	%100
83	M72	X	1.921	1.921	0	%100
84	M72	Z	0	0	0	%100
85	M73	X	4.007	4.007	0	%100
86	M73	Z	0	0	0	%100
87	M74	X	3.863	3.863	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	3.863	3.863	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	4.319	4.319	0	%100
92	MP4A	Z	0	0	0	%100
93	MP3A	X	4.319	4.319	0	%100
94	MP3A	Z	0	0	0	%100
95	MP2A	X	4.319	4.319	0	%100
96	MP2A	Z	0	0	0	%100
97	MP1A	X	4.319	4.319	0	%100
98	MP1A	Z	0	0	0	%100
99	OVP	X	3.415	3.415	0	%100
100	OVP	Z	0	0	0	%100
101	MP4C	X	4.319	4.319	0	%100
102	MP4C	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, %]
103	MP3C	X	4.319	4.319	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	4.319	4.319	0	%100
106	MP2C	Z	0	0	0	%100
107	MP1C	X	4.319	4.319	0	%100
108	MP1C	Z	0	0	0	%100
109	MP4B	X	4.319	4.319	0	%100
110	MP4B	Z	0	0	0	%100
111	MP3B	X	4.319	4.319	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	4.319	4.319	0	%100
114	MP2B	Z	0	0	0	%100
115	MP1B	X	4.319	4.319	0	%100
116	MP1B	Z	0	0	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	0	0	0	%100
119	M109	X	3.516	3.516	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	3.516	3.516	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	3.023	3.023	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	3.023	3.023	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	0	0	0	%100
128	M125	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	M20	X	1.115	1.115	0	%100
2	M20	Z	.644	.644	0	%100
3	M142C	X	1.338	1.338	0	%100
4	M142C	Z	.772	.772	0	%100
5	M144C	X	5.351	5.351	0	%100
6	M144C	Z	3.09	3.09	0	%100
7	M164A	X	1.297	1.297	0	%100
8	M164A	Z	.749	.749	0	%100
9	M169A	X	3.306	3.306	0	%100
10	M169A	Z	1.909	1.909	0	%100
11	M160A	X	3.871	3.871	0	%100
12	M160A	Z	2.235	2.235	0	%100
13	M161A	X	1.302	1.302	0	%100
14	M161A	Z	.752	.752	0	%100
15	M163B	X	3.871	3.871	0	%100
16	M163B	Z	2.235	2.235	0	%100
17	M164B	X	5.209	5.209	0	%100
18	M164B	Z	3.007	3.007	0	%100
19	M169B	X	.989	.989	0	%100
20	M169B	Z	.571	.571	0	%100
21	M170B	X	.989	.989	0	%100
22	M170B	Z	.571	.571	0	%100
23	M183A	X	3.922	3.922	0	%100
24	M183A	Z	2.264	2.264	0	%100
25	M186A	X	1.027	1.027	0	%100
26	M186A	Z	.593	.593	0	%100
27	M70	X	2.347	2.347	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,%]
28	M70	Z	1.355	1.355	0	%100
29	M71	X	4.154	4.154	0	%100
30	M71	Z	2.398	2.398	0	%100
31	M26	X	5.351	5.351	0	%100
32	M26	Z	3.09	3.09	0	%100
33	M28	X	1.338	1.338	0	%100
34	M28	Z	.772	.772	0	%100
35	M30	X	1.297	1.297	0	%100
36	M30	Z	.749	.749	0	%100
37	M31	X	3.306	3.306	0	%100
38	M31	Z	1.909	1.909	0	%100
39	M32	X	3.871	3.871	0	%100
40	M32	Z	2.235	2.235	0	%100
41	M33	X	5.209	5.209	0	%100
42	M33	Z	3.007	3.007	0	%100
43	M35	X	3.871	3.871	0	%100
44	M35	Z	2.235	2.235	0	%100
45	M36	X	1.302	1.302	0	%100
46	M36	Z	.752	.752	0	%100
47	M38	X	.989	.989	0	%100
48	M38	Z	.571	.571	0	%100
49	M39	X	.989	.989	0	%100
50	M39	Z	.571	.571	0	%100
51	M44	X	1.027	1.027	0	%100
52	M44	Z	.593	.593	0	%100
53	M47	X	3.922	3.922	0	%100
54	M47	Z	2.264	2.264	0	%100
55	M48	X	4.154	4.154	0	%100
56	M48	Z	2.398	2.398	0	%100
57	M49	X	2.347	2.347	0	%100
58	M49	Z	1.355	1.355	0	%100
59	M50	X	1.338	1.338	0	%100
60	M50	Z	.772	.772	0	%100
61	M52	X	1.338	1.338	0	%100
62	M52	Z	.772	.772	0	%100
63	M54	X	5.186	5.186	0	%100
64	M54	Z	2.994	2.994	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	1.302	1.302	0	%100
70	M57	Z	.752	.752	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	1.302	1.302	0	%100
74	M60	Z	.752	.752	0	%100
75	M62	X	3.955	3.955	0	%100
76	M62	Z	2.283	2.283	0	%100
77	M63	X	3.955	3.955	0	%100
78	M63	Z	2.283	2.283	0	%100
79	M68	X	.935	.935	0	%100
80	M68	Z	.54	.54	0	%100
81	M71A	X	.935	.935	0	%100
82	M71A	Z	.54	.54	0	%100
83	M72	X	2.225	2.225	0	%100
84	M72	Z	1.285	1.285	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, %]
85	M73	X	2.225	2.225	0	%100
86	M73	Z	1.285	1.285	0	%100
87	M74	X	1.115	1.115	0	%100
88	M74	Z	.644	.644	0	%100
89	M75	X	4.461	4.461	0	%100
90	M75	Z	2.575	2.575	0	%100
91	MP4A	X	3.74	3.74	0	%100
92	MP4A	Z	2.159	2.159	0	%100
93	MP3A	X	3.74	3.74	0	%100
94	MP3A	Z	2.159	2.159	0	%100
95	MP2A	X	3.74	3.74	0	%100
96	MP2A	Z	2.159	2.159	0	%100
97	MP1A	X	3.74	3.74	0	%100
98	MP1A	Z	2.159	2.159	0	%100
99	OVP	X	2.958	2.958	0	%100
100	OVP	Z	1.708	1.708	0	%100
101	MP4C	X	3.74	3.74	0	%100
102	MP4C	Z	2.159	2.159	0	%100
103	MP3C	X	3.74	3.74	0	%100
104	MP3C	Z	2.159	2.159	0	%100
105	MP2C	X	3.74	3.74	0	%100
106	MP2C	Z	2.159	2.159	0	%100
107	MP1C	X	3.74	3.74	0	%100
108	MP1C	Z	2.159	2.159	0	%100
109	MP4B	X	3.74	3.74	0	%100
110	MP4B	Z	2.159	2.159	0	%100
111	MP3B	X	3.74	3.74	0	%100
112	MP3B	Z	2.159	2.159	0	%100
113	MP2B	X	3.74	3.74	0	%100
114	MP2B	Z	2.159	2.159	0	%100
115	MP1B	X	3.74	3.74	0	%100
116	MP1B	Z	2.159	2.159	0	%100
117	M102	X	1.015	1.015	0	%100
118	M102	Z	.586	.586	0	%100
119	M109	X	1.015	1.015	0	%100
120	M109	Z	.586	.586	0	%100
121	M114	X	4.06	4.06	0	%100
122	M114	Z	2.344	2.344	0	%100
123	M123	X	.873	.873	0	%100
124	M123	Z	.504	.504	0	%100
125	M124	X	3.49	3.49	0	%100
126	M124	Z	2.015	2.015	0	%100
127	M125	X	.873	.873	0	%100
128	M125	Z	.504	.504	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	M20	X	1.932	1.932	0	%100
2	M20	Z	3.346	3.346	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	2.317	2.317	0	%100
6	M144C	Z	4.013	4.013	0	%100
7	M164A	X	2.246	2.246	0	%100
8	M164A	Z	3.89	3.89	0	%100
9	M169A	X	.636	.636	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,%]
10	M169A	Z	1.102	1.102	0	%100
11	M160A	X	.745	.745	0	%100
12	M160A	Z	1.29	1.29	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	.745	.745	0	%100
16	M163B	Z	1.29	1.29	0	%100
17	M164B	X	2.256	2.256	0	%100
18	M164B	Z	3.907	3.907	0	%100
19	M169B	X	1.713	1.713	0	%100
20	M169B	Z	2.966	2.966	0	%100
21	M170B	X	1.713	1.713	0	%100
22	M170B	Z	2.966	2.966	0	%100
23	M183A	X	1.672	1.672	0	%100
24	M183A	Z	2.895	2.895	0	%100
25	M186A	X	.000414	.000414	0	%100
26	M186A	Z	.000717	.000717	0	%100
27	M70	X	.96	.96	0	%100
28	M70	Z	1.663	1.663	0	%100
29	M71	X	2.004	2.004	0	%100
30	M71	Z	3.47	3.47	0	%100
31	M26	X	2.317	2.317	0	%100
32	M26	Z	4.013	4.013	0	%100
33	M28	X	2.317	2.317	0	%100
34	M28	Z	4.013	4.013	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	2.545	2.545	0	%100
38	M31	Z	4.408	4.408	0	%100
39	M32	X	2.98	2.98	0	%100
40	M32	Z	5.161	5.161	0	%100
41	M33	X	2.256	2.256	0	%100
42	M33	Z	3.907	3.907	0	%100
43	M35	X	2.98	2.98	0	%100
44	M35	Z	5.161	5.161	0	%100
45	M36	X	2.256	2.256	0	%100
46	M36	Z	3.907	3.907	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	1.725	1.725	0	%100
52	M44	Z	2.987	2.987	0	%100
53	M47	X	1.725	1.725	0	%100
54	M47	Z	2.987	2.987	0	%100
55	M48	X	2.074	2.074	0	%100
56	M48	Z	3.592	3.592	0	%100
57	M49	X	2.074	2.074	0	%100
58	M49	Z	3.592	3.592	0	%100
59	M50	X	2.317	2.317	0	%100
60	M50	Z	4.013	4.013	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	2.246	2.246	0	%100
64	M54	Z	3.89	3.89	0	%100
65	M55	X	.636	.636	0	%100
66	M55	Z	1.102	1.102	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, %]
67	M56	X	.745	.745	0	%100
68	M56	Z	1.29	1.29	0	%100
69	M57	X	2.256	2.256	0	%100
70	M57	Z	3.907	3.907	0	%100
71	M59	X	.745	.745	0	%100
72	M59	Z	1.29	1.29	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	1.713	1.713	0	%100
76	M62	Z	2.966	2.966	0	%100
77	M63	X	1.713	1.713	0	%100
78	M63	Z	2.966	2.966	0	%100
79	M68	X	.000414	.000414	0	%100
80	M68	Z	.000717	.000717	0	%100
81	M71A	X	1.672	1.672	0	%100
82	M71A	Z	2.895	2.895	0	%100
83	M72	X	2.004	2.004	0	%100
84	M72	Z	3.47	3.47	0	%100
85	M73	X	.96	.96	0	%100
86	M73	Z	1.663	1.663	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	1.932	1.932	0	%100
90	M75	Z	3.346	3.346	0	%100
91	MP4A	X	2.159	2.159	0	%100
92	MP4A	Z	3.74	3.74	0	%100
93	MP3A	X	2.159	2.159	0	%100
94	MP3A	Z	3.74	3.74	0	%100
95	MP2A	X	2.159	2.159	0	%100
96	MP2A	Z	3.74	3.74	0	%100
97	MP1A	X	2.159	2.159	0	%100
98	MP1A	Z	3.74	3.74	0	%100
99	OVP	X	1.708	1.708	0	%100
100	OVP	Z	2.958	2.958	0	%100
101	MP4C	X	2.159	2.159	0	%100
102	MP4C	Z	3.74	3.74	0	%100
103	MP3C	X	2.159	2.159	0	%100
104	MP3C	Z	3.74	3.74	0	%100
105	MP2C	X	2.159	2.159	0	%100
106	MP2C	Z	3.74	3.74	0	%100
107	MP1C	X	2.159	2.159	0	%100
108	MP1C	Z	3.74	3.74	0	%100
109	MP4B	X	2.159	2.159	0	%100
110	MP4B	Z	3.74	3.74	0	%100
111	MP3B	X	2.159	2.159	0	%100
112	MP3B	Z	3.74	3.74	0	%100
113	MP2B	X	2.159	2.159	0	%100
114	MP2B	Z	3.74	3.74	0	%100
115	MP1B	X	2.159	2.159	0	%100
116	MP1B	Z	3.74	3.74	0	%100
117	M102	X	1.758	1.758	0	%100
118	M102	Z	3.045	3.045	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	1.758	1.758	0	%100
122	M114	Z	3.045	3.045	0	%100
123	M123	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
124	M123	Z	0	0	0	%100
125	M124	X	1.511	1.511	0	%100
126	M124	Z	2.618	2.618	0	%100
127	M125	X	1.511	1.511	0	%100
128	M125	Z	2.618	2.618	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	M20	X	0	0	0	%100
2	M20	Z	5.151	5.151	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	1.545	1.545	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	1.545	1.545	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	5.988	5.988	0	%100
9	M169A	X	0	0	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	0	0	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	1.504	1.504	0	%100
15	M163B	X	0	0	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	1.504	1.504	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	4.567	4.567	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	4.567	4.567	0	%100
23	M183A	X	0	0	0	%100
24	M183A	Z	1.08	1.08	0	%100
25	M186A	X	0	0	0	%100
26	M186A	Z	1.08	1.08	0	%100
27	M70	X	0	0	0	%100
28	M70	Z	2.569	2.569	0	%100
29	M71	X	0	0	0	%100
30	M71	Z	2.569	2.569	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.545	1.545	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	6.179	6.179	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	1.497	1.497	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	3.817	3.817	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	4.47	4.47	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	1.504	1.504	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	4.47	4.47	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	6.015	6.015	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	1.142	1.142	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, %]
49	M39	X	0	0	0	%100
50	M39	Z	1.142	1.142	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	4.528	4.528	0	%100
53	M47	X	0	0	0	%100
54	M47	Z	1.186	1.186	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	2.71	2.71	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	4.796	4.796	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	6.179	6.179	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	1.545	1.545	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	1.497	1.497	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	3.817	3.817	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	4.47	4.47	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	6.015	6.015	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	4.47	4.47	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	1.504	1.504	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	1.142	1.142	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	1.142	1.142	0	%100
79	M68	X	0	0	0	%100
80	M68	Z	1.186	1.186	0	%100
81	M71A	X	0	0	0	%100
82	M71A	Z	4.528	4.528	0	%100
83	M72	X	0	0	0	%100
84	M72	Z	4.796	4.796	0	%100
85	M73	X	0	0	0	%100
86	M73	Z	2.71	2.71	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	1.288	1.288	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	1.288	1.288	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	4.319	4.319	0	%100
93	MP3A	X	0	0	0	%100
94	MP3A	Z	4.319	4.319	0	%100
95	MP2A	X	0	0	0	%100
96	MP2A	Z	4.319	4.319	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	4.319	4.319	0	%100
99	OVP	X	0	0	0	%100
100	OVP	Z	3.415	3.415	0	%100
101	MP4C	X	0	0	0	%100
102	MP4C	Z	4.319	4.319	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	4.319	4.319	0	%100
105	MP2C	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, %]
106	MP2C	Z	4.319	4.319	0	%100
107	MP1C	X	0	0	0	%100
108	MP1C	Z	4.319	4.319	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	4.319	4.319	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	4.319	4.319	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	4.319	4.319	0	%100
115	MP1B	X	0	0	0	%100
116	MP1B	Z	4.319	4.319	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	4.689	4.689	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	1.172	1.172	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	1.172	1.172	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	1.008	1.008	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	1.008	1.008	0	%100
127	M125	X	0	0	0	%100
128	M125	Z	4.03	4.03	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	M20	X	-1.932	-1.932	0	%100
2	M20	Z	3.346	3.346	0	%100
3	M142C	X	-2.317	-2.317	0	%100
4	M142C	Z	4.013	4.013	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	-2.246	-2.246	0	%100
8	M164A	Z	3.89	3.89	0	%100
9	M169A	X	-0.636	-0.636	0	%100
10	M169A	Z	1.102	1.102	0	%100
11	M160A	X	-0.745	-0.745	0	%100
12	M160A	Z	1.29	1.29	0	%100
13	M161A	X	-2.256	-2.256	0	%100
14	M161A	Z	3.907	3.907	0	%100
15	M163B	X	-0.745	-0.745	0	%100
16	M163B	Z	1.29	1.29	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	-1.713	-1.713	0	%100
20	M169B	Z	2.966	2.966	0	%100
21	M170B	X	-1.713	-1.713	0	%100
22	M170B	Z	2.966	2.966	0	%100
23	M183A	X	-0.00414	-0.00414	0	%100
24	M183A	Z	0.00717	0.00717	0	%100
25	M186A	X	-1.672	-1.672	0	%100
26	M186A	Z	2.895	2.895	0	%100
27	M70	X	-2.004	-2.004	0	%100
28	M70	Z	3.47	3.47	0	%100
29	M71	X	-0.96	-0.96	0	%100
30	M71	Z	1.663	1.663	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, %]
31	M26	X	0	0	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	-2.317	-2.317	0	%100
34	M28	Z	4.013	4.013	0	%100
35	M30	X	-2.246	-2.246	0	%100
36	M30	Z	3.89	3.89	0	%100
37	M31	X	-.636	-.636	0	%100
38	M31	Z	1.102	1.102	0	%100
39	M32	X	-.745	-.745	0	%100
40	M32	Z	1.29	1.29	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	-.745	-.745	0	%100
44	M35	Z	1.29	1.29	0	%100
45	M36	X	-2.256	-2.256	0	%100
46	M36	Z	3.907	3.907	0	%100
47	M38	X	-1.713	-1.713	0	%100
48	M38	Z	2.966	2.966	0	%100
49	M39	X	-1.713	-1.713	0	%100
50	M39	Z	2.966	2.966	0	%100
51	M44	X	-1.672	-1.672	0	%100
52	M44	Z	2.895	2.895	0	%100
53	M47	X	-.000414	-.000414	0	%100
54	M47	Z	.000717	.000717	0	%100
55	M48	X	-.96	-.96	0	%100
56	M48	Z	1.663	1.663	0	%100
57	M49	X	-2.004	-2.004	0	%100
58	M49	Z	3.47	3.47	0	%100
59	M50	X	-2.317	-2.317	0	%100
60	M50	Z	4.013	4.013	0	%100
61	M52	X	-2.317	-2.317	0	%100
62	M52	Z	4.013	4.013	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	-2.545	-2.545	0	%100
66	M55	Z	4.408	4.408	0	%100
67	M56	X	-2.98	-2.98	0	%100
68	M56	Z	5.161	5.161	0	%100
69	M57	X	-2.256	-2.256	0	%100
70	M57	Z	3.907	3.907	0	%100
71	M59	X	-2.98	-2.98	0	%100
72	M59	Z	5.161	5.161	0	%100
73	M60	X	-2.256	-2.256	0	%100
74	M60	Z	3.907	3.907	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	-1.725	-1.725	0	%100
80	M68	Z	2.987	2.987	0	%100
81	M71A	X	-1.725	-1.725	0	%100
82	M71A	Z	2.987	2.987	0	%100
83	M72	X	-2.074	-2.074	0	%100
84	M72	Z	3.592	3.592	0	%100
85	M73	X	-2.074	-2.074	0	%100
86	M73	Z	3.592	3.592	0	%100
87	M74	X	-1.932	-1.932	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, %]
88	M74	Z	3.346	3.346	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	-2.159	-2.159	0	%100
92	MP4A	Z	3.74	3.74	0	%100
93	MP3A	X	-2.159	-2.159	0	%100
94	MP3A	Z	3.74	3.74	0	%100
95	MP2A	X	-2.159	-2.159	0	%100
96	MP2A	Z	3.74	3.74	0	%100
97	MP1A	X	-2.159	-2.159	0	%100
98	MP1A	Z	3.74	3.74	0	%100
99	OVP	X	-1.708	-1.708	0	%100
100	OVP	Z	2.958	2.958	0	%100
101	MP4C	X	-2.159	-2.159	0	%100
102	MP4C	Z	3.74	3.74	0	%100
103	MP3C	X	-2.159	-2.159	0	%100
104	MP3C	Z	3.74	3.74	0	%100
105	MP2C	X	-2.159	-2.159	0	%100
106	MP2C	Z	3.74	3.74	0	%100
107	MP1C	X	-2.159	-2.159	0	%100
108	MP1C	Z	3.74	3.74	0	%100
109	MP4B	X	-2.159	-2.159	0	%100
110	MP4B	Z	3.74	3.74	0	%100
111	MP3B	X	-2.159	-2.159	0	%100
112	MP3B	Z	3.74	3.74	0	%100
113	MP2B	X	-2.159	-2.159	0	%100
114	MP2B	Z	3.74	3.74	0	%100
115	MP1B	X	-2.159	-2.159	0	%100
116	MP1B	Z	3.74	3.74	0	%100
117	M102	X	-1.758	-1.758	0	%100
118	M102	Z	3.045	3.045	0	%100
119	M109	X	-1.758	-1.758	0	%100
120	M109	Z	3.045	3.045	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	-1.511	-1.511	0	%100
124	M123	Z	2.618	2.618	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	-1.511	-1.511	0	%100
128	M125	Z	2.618	2.618	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	M20	X	-1.115	-1.115	0	%100
2	M20	Z	.644	.644	0	%100
3	M142C	X	-5.351	-5.351	0	%100
4	M142C	Z	3.09	3.09	0	%100
5	M144C	X	-1.338	-1.338	0	%100
6	M144C	Z	.772	.772	0	%100
7	M164A	X	-1.297	-1.297	0	%100
8	M164A	Z	.749	.749	0	%100
9	M169A	X	-3.306	-3.306	0	%100
10	M169A	Z	1.909	1.909	0	%100
11	M160A	X	-3.871	-3.871	0	%100
12	M160A	Z	2.235	2.235	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, %]
13	M161A	X	-5.209	-5.209	0	%100
14	M161A	Z	3.007	3.007	0	%100
15	M163B	X	-3.871	-3.871	0	%100
16	M163B	Z	2.235	2.235	0	%100
17	M164B	X	-1.302	-1.302	0	%100
18	M164B	Z	.752	.752	0	%100
19	M169B	X	-.989	-.989	0	%100
20	M169B	Z	.571	.571	0	%100
21	M170B	X	-.989	-.989	0	%100
22	M170B	Z	.571	.571	0	%100
23	M183A	X	-1.027	-1.027	0	%100
24	M183A	Z	.593	.593	0	%100
25	M186A	X	-3.922	-3.922	0	%100
26	M186A	Z	2.264	2.264	0	%100
27	M70	X	-4.154	-4.154	0	%100
28	M70	Z	2.398	2.398	0	%100
29	M71	X	-2.347	-2.347	0	%100
30	M71	Z	1.355	1.355	0	%100
31	M26	X	-1.338	-1.338	0	%100
32	M26	Z	.772	.772	0	%100
33	M28	X	-1.338	-1.338	0	%100
34	M28	Z	.772	.772	0	%100
35	M30	X	-5.186	-5.186	0	%100
36	M30	Z	2.994	2.994	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-1.302	-1.302	0	%100
42	M33	Z	.752	.752	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	-1.302	-1.302	0	%100
46	M36	Z	.752	.752	0	%100
47	M38	X	-3.955	-3.955	0	%100
48	M38	Z	2.283	2.283	0	%100
49	M39	X	-3.955	-3.955	0	%100
50	M39	Z	2.283	2.283	0	%100
51	M44	X	-.935	-.935	0	%100
52	M44	Z	.54	.54	0	%100
53	M47	X	-.935	-.935	0	%100
54	M47	Z	.54	.54	0	%100
55	M48	X	-2.225	-2.225	0	%100
56	M48	Z	1.285	1.285	0	%100
57	M49	X	-2.225	-2.225	0	%100
58	M49	Z	1.285	1.285	0	%100
59	M50	X	-1.338	-1.338	0	%100
60	M50	Z	.772	.772	0	%100
61	M52	X	-5.351	-5.351	0	%100
62	M52	Z	3.09	3.09	0	%100
63	M54	X	-1.297	-1.297	0	%100
64	M54	Z	.749	.749	0	%100
65	M55	X	-3.306	-3.306	0	%100
66	M55	Z	1.909	1.909	0	%100
67	M56	X	-3.871	-3.871	0	%100
68	M56	Z	2.235	2.235	0	%100
69	M57	X	-1.302	-1.302	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, %]
70	M57	Z	.752	.752	0	%100
71	M59	X	-3.871	-3.871	0	%100
72	M59	Z	2.235	2.235	0	%100
73	M60	X	-5.209	-5.209	0	%100
74	M60	Z	3.007	3.007	0	%100
75	M62	X	-.989	-.989	0	%100
76	M62	Z	.571	.571	0	%100
77	M63	X	-.989	-.989	0	%100
78	M63	Z	.571	.571	0	%100
79	M68	X	-3.922	-3.922	0	%100
80	M68	Z	2.264	2.264	0	%100
81	M71A	X	-1.027	-1.027	0	%100
82	M71A	Z	.593	.593	0	%100
83	M72	X	-2.347	-2.347	0	%100
84	M72	Z	1.355	1.355	0	%100
85	M73	X	-4.154	-4.154	0	%100
86	M73	Z	2.398	2.398	0	%100
87	M74	X	-4.461	-4.461	0	%100
88	M74	Z	2.575	2.575	0	%100
89	M75	X	-1.115	-1.115	0	%100
90	M75	Z	.644	.644	0	%100
91	MP4A	X	-3.74	-3.74	0	%100
92	MP4A	Z	2.159	2.159	0	%100
93	MP3A	X	-3.74	-3.74	0	%100
94	MP3A	Z	2.159	2.159	0	%100
95	MP2A	X	-3.74	-3.74	0	%100
96	MP2A	Z	2.159	2.159	0	%100
97	MP1A	X	-3.74	-3.74	0	%100
98	MP1A	Z	2.159	2.159	0	%100
99	OVP	X	-2.958	-2.958	0	%100
100	OVP	Z	1.708	1.708	0	%100
101	MP4C	X	-3.74	-3.74	0	%100
102	MP4C	Z	2.159	2.159	0	%100
103	MP3C	X	-3.74	-3.74	0	%100
104	MP3C	Z	2.159	2.159	0	%100
105	MP2C	X	-3.74	-3.74	0	%100
106	MP2C	Z	2.159	2.159	0	%100
107	MP1C	X	-3.74	-3.74	0	%100
108	MP1C	Z	2.159	2.159	0	%100
109	MP4B	X	-3.74	-3.74	0	%100
110	MP4B	Z	2.159	2.159	0	%100
111	MP3B	X	-3.74	-3.74	0	%100
112	MP3B	Z	2.159	2.159	0	%100
113	MP2B	X	-3.74	-3.74	0	%100
114	MP2B	Z	2.159	2.159	0	%100
115	MP1B	X	-3.74	-3.74	0	%100
116	MP1B	Z	2.159	2.159	0	%100
117	M102	X	-1.015	-1.015	0	%100
118	M102	Z	.586	.586	0	%100
119	M109	X	-4.06	-4.06	0	%100
120	M109	Z	2.344	2.344	0	%100
121	M114	X	-1.015	-1.015	0	%100
122	M114	Z	.586	.586	0	%100
123	M123	X	-3.49	-3.49	0	%100
124	M123	Z	2.015	2.015	0	%100
125	M124	X	-.873	-.873	0	%100
126	M124	Z	.504	.504	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, %]
127	M125	X	- .873	- .873	0	%100
128	M125	Z	.504	.504	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M142C	X	-4.634	-4.634	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	-4.634	-4.634	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	0	0	0	%100
9	M169A	X	-5.09	-5.09	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	-5.96	-5.96	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	-4.511	-4.511	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	-5.96	-5.96	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	-4.511	-4.511	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	0	0	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	0	0	0	%100
23	M183A	X	-3.449	-3.449	0	%100
24	M183A	Z	0	0	0	%100
25	M186A	X	-3.449	-3.449	0	%100
26	M186A	Z	0	0	0	%100
27	M70	X	-4.147	-4.147	0	%100
28	M70	Z	0	0	0	%100
29	M71	X	-4.147	-4.147	0	%100
30	M71	Z	0	0	0	%100
31	M26	X	-4.634	-4.634	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M30	X	-4.491	-4.491	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-1.272	-1.272	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-1.49	-1.49	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-4.511	-4.511	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	-1.49	-1.49	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	0	0	0	%100
47	M38	X	-3.425	-3.425	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	-3.425	-3.425	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	-.000828	-.000828	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, %]
52	M44	Z	0	0	0	%100
53	M47	X	-3.343	-3.343	0	%100
54	M47	Z	0	0	0	%100
55	M48	X	-4.007	-4.007	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-1.921	-1.921	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	0	0	0	%100
61	M52	X	-4.634	-4.634	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	-4.491	-4.491	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	-1.272	-1.272	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	-1.49	-1.49	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	0	0	0	%100
71	M59	X	-1.49	-1.49	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-4.511	-4.511	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	-3.425	-3.425	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	-3.425	-3.425	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	-3.343	-3.343	0	%100
80	M68	Z	0	0	0	%100
81	M71A	X	-0.00828	-0.00828	0	%100
82	M71A	Z	0	0	0	%100
83	M72	X	-1.921	-1.921	0	%100
84	M72	Z	0	0	0	%100
85	M73	X	-4.007	-4.007	0	%100
86	M73	Z	0	0	0	%100
87	M74	X	-3.863	-3.863	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	-3.863	-3.863	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	-4.319	-4.319	0	%100
92	MP4A	Z	0	0	0	%100
93	MP3A	X	-4.319	-4.319	0	%100
94	MP3A	Z	0	0	0	%100
95	MP2A	X	-4.319	-4.319	0	%100
96	MP2A	Z	0	0	0	%100
97	MP1A	X	-4.319	-4.319	0	%100
98	MP1A	Z	0	0	0	%100
99	OVP	X	-3.415	-3.415	0	%100
100	OVP	Z	0	0	0	%100
101	MP4C	X	-4.319	-4.319	0	%100
102	MP4C	Z	0	0	0	%100
103	MP3C	X	-4.319	-4.319	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-4.319	-4.319	0	%100
106	MP2C	Z	0	0	0	%100
107	MP1C	X	-4.319	-4.319	0	%100
108	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	MP4B	X	-4.319	-4.319	0	%100
110	MP4B	Z	0	0	0	%100
111	MP3B	X	-4.319	-4.319	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	-4.319	-4.319	0	%100
114	MP2B	Z	0	0	0	%100
115	MP1B	X	-4.319	-4.319	0	%100
116	MP1B	Z	0	0	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	0	0	0	%100
119	M109	X	-3.516	-3.516	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	-3.516	-3.516	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	-3.023	-3.023	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	-3.023	-3.023	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	0	0	0	%100
128	M125	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	M20	X	-1.115	-1.115	0	%100
2	M20	Z	-.644	-.644	0	%100
3	M142C	X	-1.338	-1.338	0	%100
4	M142C	Z	-.772	-.772	0	%100
5	M144C	X	-5.351	-5.351	0	%100
6	M144C	Z	-3.09	-3.09	0	%100
7	M164A	X	-1.297	-1.297	0	%100
8	M164A	Z	-.749	-.749	0	%100
9	M169A	X	-3.306	-3.306	0	%100
10	M169A	Z	-1.909	-1.909	0	%100
11	M160A	X	-3.871	-3.871	0	%100
12	M160A	Z	-2.235	-2.235	0	%100
13	M161A	X	-1.302	-1.302	0	%100
14	M161A	Z	-.752	-.752	0	%100
15	M163B	X	-3.871	-3.871	0	%100
16	M163B	Z	-2.235	-2.235	0	%100
17	M164B	X	-5.209	-5.209	0	%100
18	M164B	Z	-3.007	-3.007	0	%100
19	M169B	X	-.989	-.989	0	%100
20	M169B	Z	-.571	-.571	0	%100
21	M170B	X	-.989	-.989	0	%100
22	M170B	Z	-.571	-.571	0	%100
23	M183A	X	-3.922	-3.922	0	%100
24	M183A	Z	-2.264	-2.264	0	%100
25	M186A	X	-1.027	-1.027	0	%100
26	M186A	Z	-.593	-.593	0	%100
27	M70	X	-2.347	-2.347	0	%100
28	M70	Z	-1.355	-1.355	0	%100
29	M71	X	-4.154	-4.154	0	%100
30	M71	Z	-2.398	-2.398	0	%100
31	M26	X	-5.351	-5.351	0	%100
32	M26	Z	-3.09	-3.09	0	%100
33	M28	X	-1.338	-1.338	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M28	Z	-.772	-.772	0	%100
35	M30	X	-1.297	-1.297	0	%100
36	M30	Z	-.749	-.749	0	%100
37	M31	X	-3.306	-3.306	0	%100
38	M31	Z	-1.909	-1.909	0	%100
39	M32	X	-3.871	-3.871	0	%100
40	M32	Z	-2.235	-2.235	0	%100
41	M33	X	-5.209	-5.209	0	%100
42	M33	Z	-3.007	-3.007	0	%100
43	M35	X	-3.871	-3.871	0	%100
44	M35	Z	-2.235	-2.235	0	%100
45	M36	X	-1.302	-1.302	0	%100
46	M36	Z	-.752	-.752	0	%100
47	M38	X	-.989	-.989	0	%100
48	M38	Z	-.571	-.571	0	%100
49	M39	X	-.989	-.989	0	%100
50	M39	Z	-.571	-.571	0	%100
51	M44	X	-1.027	-1.027	0	%100
52	M44	Z	-.593	-.593	0	%100
53	M47	X	-3.922	-3.922	0	%100
54	M47	Z	-2.264	-2.264	0	%100
55	M48	X	-4.154	-4.154	0	%100
56	M48	Z	-2.398	-2.398	0	%100
57	M49	X	-2.347	-2.347	0	%100
58	M49	Z	-1.355	-1.355	0	%100
59	M50	X	-1.338	-1.338	0	%100
60	M50	Z	-.772	-.772	0	%100
61	M52	X	-1.338	-1.338	0	%100
62	M52	Z	-.772	-.772	0	%100
63	M54	X	-5.186	-5.186	0	%100
64	M54	Z	-2.994	-2.994	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	-1.302	-1.302	0	%100
70	M57	Z	-.752	-.752	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-1.302	-1.302	0	%100
74	M60	Z	-.752	-.752	0	%100
75	M62	X	-3.955	-3.955	0	%100
76	M62	Z	-2.283	-2.283	0	%100
77	M63	X	-3.955	-3.955	0	%100
78	M63	Z	-2.283	-2.283	0	%100
79	M68	X	-.935	-.935	0	%100
80	M68	Z	-.54	-.54	0	%100
81	M71A	X	-.935	-.935	0	%100
82	M71A	Z	-.54	-.54	0	%100
83	M72	X	-2.225	-2.225	0	%100
84	M72	Z	-1.285	-1.285	0	%100
85	M73	X	-2.225	-2.225	0	%100
86	M73	Z	-1.285	-1.285	0	%100
87	M74	X	-1.115	-1.115	0	%100
88	M74	Z	-.644	-.644	0	%100
89	M75	X	-4.461	-4.461	0	%100
90	M75	Z	-2.575	-2.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP4A	X	-3.74	-3.74	0	%100
92	MP4A	Z	-2.159	-2.159	0	%100
93	MP3A	X	-3.74	-3.74	0	%100
94	MP3A	Z	-2.159	-2.159	0	%100
95	MP2A	X	-3.74	-3.74	0	%100
96	MP2A	Z	-2.159	-2.159	0	%100
97	MP1A	X	-3.74	-3.74	0	%100
98	MP1A	Z	-2.159	-2.159	0	%100
99	OVP	X	-2.958	-2.958	0	%100
100	OVP	Z	-1.708	-1.708	0	%100
101	MP4C	X	-3.74	-3.74	0	%100
102	MP4C	Z	-2.159	-2.159	0	%100
103	MP3C	X	-3.74	-3.74	0	%100
104	MP3C	Z	-2.159	-2.159	0	%100
105	MP2C	X	-3.74	-3.74	0	%100
106	MP2C	Z	-2.159	-2.159	0	%100
107	MP1C	X	-3.74	-3.74	0	%100
108	MP1C	Z	-2.159	-2.159	0	%100
109	MP4B	X	-3.74	-3.74	0	%100
110	MP4B	Z	-2.159	-2.159	0	%100
111	MP3B	X	-3.74	-3.74	0	%100
112	MP3B	Z	-2.159	-2.159	0	%100
113	MP2B	X	-3.74	-3.74	0	%100
114	MP2B	Z	-2.159	-2.159	0	%100
115	MP1B	X	-3.74	-3.74	0	%100
116	MP1B	Z	-2.159	-2.159	0	%100
117	M102	X	-1.015	-1.015	0	%100
118	M102	Z	-.586	-.586	0	%100
119	M109	X	-1.015	-1.015	0	%100
120	M109	Z	-.586	-.586	0	%100
121	M114	X	-4.06	-4.06	0	%100
122	M114	Z	-2.344	-2.344	0	%100
123	M123	X	-.873	-.873	0	%100
124	M123	Z	-.504	-.504	0	%100
125	M124	X	-3.49	-3.49	0	%100
126	M124	Z	-2.015	-2.015	0	%100
127	M125	X	-.873	-.873	0	%100
128	M125	Z	-.504	-.504	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	M20	X	-1.932	-1.932	0	%100
2	M20	Z	-3.346	-3.346	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	-2.317	-2.317	0	%100
6	M144C	Z	-4.013	-4.013	0	%100
7	M164A	X	-2.246	-2.246	0	%100
8	M164A	Z	-3.89	-3.89	0	%100
9	M169A	X	-.636	-.636	0	%100
10	M169A	Z	-1.102	-1.102	0	%100
11	M160A	X	-.745	-.745	0	%100
12	M160A	Z	-1.29	-1.29	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	-.745	-.745	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,%]
16	M163B	Z	-1.29	-1.29	0	%100
17	M164B	X	-2.256	-2.256	0	%100
18	M164B	Z	-3.907	-3.907	0	%100
19	M169B	X	-1.713	-1.713	0	%100
20	M169B	Z	-2.966	-2.966	0	%100
21	M170B	X	-1.713	-1.713	0	%100
22	M170B	Z	-2.966	-2.966	0	%100
23	M183A	X	-1.672	-1.672	0	%100
24	M183A	Z	-2.895	-2.895	0	%100
25	M186A	X	-0.00414	-0.00414	0	%100
26	M186A	Z	-0.00717	-0.00717	0	%100
27	M70	X	-0.96	-0.96	0	%100
28	M70	Z	-1.663	-1.663	0	%100
29	M71	X	-2.004	-2.004	0	%100
30	M71	Z	-3.47	-3.47	0	%100
31	M26	X	-2.317	-2.317	0	%100
32	M26	Z	-4.013	-4.013	0	%100
33	M28	X	-2.317	-2.317	0	%100
34	M28	Z	-4.013	-4.013	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-2.545	-2.545	0	%100
38	M31	Z	-4.408	-4.408	0	%100
39	M32	X	-2.98	-2.98	0	%100
40	M32	Z	-5.161	-5.161	0	%100
41	M33	X	-2.256	-2.256	0	%100
42	M33	Z	-3.907	-3.907	0	%100
43	M35	X	-2.98	-2.98	0	%100
44	M35	Z	-5.161	-5.161	0	%100
45	M36	X	-2.256	-2.256	0	%100
46	M36	Z	-3.907	-3.907	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	-1.725	-1.725	0	%100
52	M44	Z	-2.987	-2.987	0	%100
53	M47	X	-1.725	-1.725	0	%100
54	M47	Z	-2.987	-2.987	0	%100
55	M48	X	-2.074	-2.074	0	%100
56	M48	Z	-3.592	-3.592	0	%100
57	M49	X	-2.074	-2.074	0	%100
58	M49	Z	-3.592	-3.592	0	%100
59	M50	X	-2.317	-2.317	0	%100
60	M50	Z	-4.013	-4.013	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	-2.246	-2.246	0	%100
64	M54	Z	-3.89	-3.89	0	%100
65	M55	X	-0.636	-0.636	0	%100
66	M55	Z	-1.102	-1.102	0	%100
67	M56	X	-0.745	-0.745	0	%100
68	M56	Z	-1.29	-1.29	0	%100
69	M57	X	-2.256	-2.256	0	%100
70	M57	Z	-3.907	-3.907	0	%100
71	M59	X	-0.745	-0.745	0	%100
72	M59	Z	-1.29	-1.29	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, %]
73	M60	X	0	0	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	-1.713	-1.713	0	%100
76	M62	Z	-2.966	-2.966	0	%100
77	M63	X	-1.713	-1.713	0	%100
78	M63	Z	-2.966	-2.966	0	%100
79	M68	X	-0.000414	-0.000414	0	%100
80	M68	Z	-0.000717	-0.000717	0	%100
81	M71A	X	-1.672	-1.672	0	%100
82	M71A	Z	-2.895	-2.895	0	%100
83	M72	X	-2.004	-2.004	0	%100
84	M72	Z	-3.47	-3.47	0	%100
85	M73	X	-0.96	-0.96	0	%100
86	M73	Z	-1.663	-1.663	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	-1.932	-1.932	0	%100
90	M75	Z	-3.346	-3.346	0	%100
91	MP4A	X	-2.159	-2.159	0	%100
92	MP4A	Z	-3.74	-3.74	0	%100
93	MP3A	X	-2.159	-2.159	0	%100
94	MP3A	Z	-3.74	-3.74	0	%100
95	MP2A	X	-2.159	-2.159	0	%100
96	MP2A	Z	-3.74	-3.74	0	%100
97	MP1A	X	-2.159	-2.159	0	%100
98	MP1A	Z	-3.74	-3.74	0	%100
99	OVP	X	-1.708	-1.708	0	%100
100	OVP	Z	-2.958	-2.958	0	%100
101	MP4C	X	-2.159	-2.159	0	%100
102	MP4C	Z	-3.74	-3.74	0	%100
103	MP3C	X	-2.159	-2.159	0	%100
104	MP3C	Z	-3.74	-3.74	0	%100
105	MP2C	X	-2.159	-2.159	0	%100
106	MP2C	Z	-3.74	-3.74	0	%100
107	MP1C	X	-2.159	-2.159	0	%100
108	MP1C	Z	-3.74	-3.74	0	%100
109	MP4B	X	-2.159	-2.159	0	%100
110	MP4B	Z	-3.74	-3.74	0	%100
111	MP3B	X	-2.159	-2.159	0	%100
112	MP3B	Z	-3.74	-3.74	0	%100
113	MP2B	X	-2.159	-2.159	0	%100
114	MP2B	Z	-3.74	-3.74	0	%100
115	MP1B	X	-2.159	-2.159	0	%100
116	MP1B	Z	-3.74	-3.74	0	%100
117	M102	X	-1.758	-1.758	0	%100
118	M102	Z	-3.045	-3.045	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	-1.758	-1.758	0	%100
122	M114	Z	-3.045	-3.045	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	-1.511	-1.511	0	%100
126	M124	Z	-2.618	-2.618	0	%100
127	M125	X	-1.511	-1.511	0	%100
128	M125	Z	-2.618	-2.618	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	M20	X	0	0	0	%100
2	M20	Z	-.908	-.908	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	-.422	-.422	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	-.422	-.422	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	-1.598	-1.598	0	%100
9	M169A	X	0	0	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	0	0	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	-.407	-.407	0	%100
15	M163B	X	0	0	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	-.407	-.407	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	-1	-1	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	-1	-1	0	%100
23	M183A	X	0	0	0	%100
24	M183A	Z	-.212	-.212	0	%100
25	M186A	X	0	0	0	%100
26	M186A	Z	-.212	-.212	0	%100
27	M70	X	0	0	0	%100
28	M70	Z	-.534	-.534	0	%100
29	M71	X	0	0	0	%100
30	M71	Z	-.534	-.534	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-.422	-.422	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-1.686	-1.686	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-.399	-.399	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-.773	-.773	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-1.206	-1.206	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-.407	-.407	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	-1.206	-1.206	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	-1.627	-1.627	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	-.25	-.25	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	-.25	-.25	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	-.887	-.887	0	%100
53	M47	X	0	0	0	%100
54	M47	Z	-.232	-.232	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-.564	-.564	0	%100
57	M49	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,%]
58	M49	Z	-.998	-.998	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	-1.686	-1.686	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	-.422	-.422	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-.399	-.399	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	-.773	-.773	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	-1.206	-1.206	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	-1.627	-1.627	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	-1.206	-1.206	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	-.407	-.407	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	-.25	-.25	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	-.25	-.25	0	%100
79	M68	X	0	0	0	%100
80	M68	Z	-.232	-.232	0	%100
81	M71A	X	0	0	0	%100
82	M71A	Z	-.887	-.887	0	%100
83	M72	X	0	0	0	%100
84	M72	Z	-.998	-.998	0	%100
85	M73	X	0	0	0	%100
86	M73	Z	-.564	-.564	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	-.227	-.227	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	-.227	-.227	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-.632	-.632	0	%100
93	MP3A	X	0	0	0	%100
94	MP3A	Z	-.632	-.632	0	%100
95	MP2A	X	0	0	0	%100
96	MP2A	Z	-.632	-.632	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	-.632	-.632	0	%100
99	OVP	X	0	0	0	%100
100	OVP	Z	-.537	-.537	0	%100
101	MP4C	X	0	0	0	%100
102	MP4C	Z	-.632	-.632	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.632	-.632	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	-.632	-.632	0	%100
107	MP1C	X	0	0	0	%100
108	MP1C	Z	-.632	-.632	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	-.632	-.632	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-.632	-.632	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	-.632	-.632	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, %]
115	MP1B	X	0	0	0	%100
116	MP1B	Z	-.632	-.632	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	-.766	-.766	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	-.191	-.191	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	-.191	-.191	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	-.22	-.22	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	-.22	-.22	0	%100
127	M125	X	0	0	0	%100
128	M125	Z	-.879	-.879	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	M20	X	.341	.341	0	%100
2	M20	Z	-.59	-.59	0	%100
3	M142C	X	.632	.632	0	%100
4	M142C	Z	-1.095	-1.095	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	.599	.599	0	%100
8	M164A	Z	-1.038	-1.038	0	%100
9	M169A	X	.129	.129	0	%100
10	M169A	Z	-.223	-.223	0	%100
11	M160A	X	.201	.201	0	%100
12	M160A	Z	-.348	-.348	0	%100
13	M161A	X	.61	.61	0	%100
14	M161A	Z	-1.057	-1.057	0	%100
15	M163B	X	.201	.201	0	%100
16	M163B	Z	-.348	-.348	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	.375	.375	0	%100
20	M169B	Z	-.649	-.649	0	%100
21	M170B	X	.375	.375	0	%100
22	M170B	Z	-.649	-.649	0	%100
23	M183A	X	8.1e-5	8.1e-5	0	%100
24	M183A	Z	-.000141	-.000141	0	%100
25	M186A	X	.328	.328	0	%100
26	M186A	Z	-.567	-.567	0	%100
27	M70	X	.417	.417	0	%100
28	M70	Z	-.722	-.722	0	%100
29	M71	X	.2	.2	0	%100
30	M71	Z	-.346	-.346	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	.632	.632	0	%100
34	M28	Z	-1.095	-1.095	0	%100
35	M30	X	.599	.599	0	%100
36	M30	Z	-1.038	-1.038	0	%100
37	M31	X	.129	.129	0	%100
38	M31	Z	-.223	-.223	0	%100
39	M32	X	.201	.201	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,%]
40	M32	Z	-.348	-.348	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	.201	.201	0	%100
44	M35	Z	-.348	-.348	0	%100
45	M36	X	.61	.61	0	%100
46	M36	Z	-1.057	-1.057	0	%100
47	M38	X	.375	.375	0	%100
48	M38	Z	-.649	-.649	0	%100
49	M39	X	.375	.375	0	%100
50	M39	Z	-.649	-.649	0	%100
51	M44	X	.328	.328	0	%100
52	M44	Z	-.567	-.567	0	%100
53	M47	X	8.1e-5	8.1e-5	0	%100
54	M47	Z	-.000141	-.000141	0	%100
55	M48	X	.2	.2	0	%100
56	M48	Z	-.346	-.346	0	%100
57	M49	X	.417	.417	0	%100
58	M49	Z	-.722	-.722	0	%100
59	M50	X	.632	.632	0	%100
60	M50	Z	-1.095	-1.095	0	%100
61	M52	X	.632	.632	0	%100
62	M52	Z	-1.095	-1.095	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	.516	.516	0	%100
66	M55	Z	-.893	-.893	0	%100
67	M56	X	.804	.804	0	%100
68	M56	Z	-1.392	-1.392	0	%100
69	M57	X	.61	.61	0	%100
70	M57	Z	-1.057	-1.057	0	%100
71	M59	X	.804	.804	0	%100
72	M59	Z	-1.392	-1.392	0	%100
73	M60	X	.61	.61	0	%100
74	M60	Z	-1.057	-1.057	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	.338	.338	0	%100
80	M68	Z	-.585	-.585	0	%100
81	M71A	X	.338	.338	0	%100
82	M71A	Z	-.585	-.585	0	%100
83	M72	X	.431	.431	0	%100
84	M72	Z	-.747	-.747	0	%100
85	M73	X	.431	.431	0	%100
86	M73	Z	-.747	-.747	0	%100
87	M74	X	.341	.341	0	%100
88	M74	Z	-.59	-.59	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	.316	.316	0	%100
92	MP4A	Z	-.548	-.548	0	%100
93	MP3A	X	.316	.316	0	%100
94	MP3A	Z	-.548	-.548	0	%100
95	MP2A	X	.316	.316	0	%100
96	MP2A	Z	-.548	-.548	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,%]
97	MP1A	X	.316	.316	0	%100
98	MP1A	Z	-.548	-.548	0	%100
99	OVP	X	.268	.268	0	%100
100	OVP	Z	-.465	-.465	0	%100
101	MP4C	X	.316	.316	0	%100
102	MP4C	Z	-.548	-.548	0	%100
103	MP3C	X	.316	.316	0	%100
104	MP3C	Z	-.548	-.548	0	%100
105	MP2C	X	.316	.316	0	%100
106	MP2C	Z	-.548	-.548	0	%100
107	MP1C	X	.316	.316	0	%100
108	MP1C	Z	-.548	-.548	0	%100
109	MP4B	X	.316	.316	0	%100
110	MP4B	Z	-.548	-.548	0	%100
111	MP3B	X	.316	.316	0	%100
112	MP3B	Z	-.548	-.548	0	%100
113	MP2B	X	.316	.316	0	%100
114	MP2B	Z	-.548	-.548	0	%100
115	MP1B	X	.316	.316	0	%100
116	MP1B	Z	-.548	-.548	0	%100
117	M102	X	.287	.287	0	%100
118	M102	Z	-.497	-.497	0	%100
119	M109	X	.287	.287	0	%100
120	M109	Z	-.497	-.497	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	.33	.33	0	%100
124	M123	Z	-.571	-.571	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	.33	.33	0	%100
128	M125	Z	-.571	-.571	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	M20	X	.197	.197	0	%100
2	M20	Z	-.114	-.114	0	%100
3	M142C	X	1.46	1.46	0	%100
4	M142C	Z	-.843	-.843	0	%100
5	M144C	X	.365	.365	0	%100
6	M144C	Z	-.211	-.211	0	%100
7	M164A	X	.346	.346	0	%100
8	M164A	Z	-.2	-.2	0	%100
9	M169A	X	.67	.67	0	%100
10	M169A	Z	-.387	-.387	0	%100
11	M160A	X	1.044	1.044	0	%100
12	M160A	Z	-.603	-.603	0	%100
13	M161A	X	1.409	1.409	0	%100
14	M161A	Z	-.814	-.814	0	%100
15	M163B	X	1.044	1.044	0	%100
16	M163B	Z	-.603	-.603	0	%100
17	M164B	X	.352	.352	0	%100
18	M164B	Z	-.203	-.203	0	%100
19	M169B	X	.216	.216	0	%100
20	M169B	Z	-.125	-.125	0	%100
21	M170B	X	.216	.216	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, %]
22	M170B	Z	-.125	-.125	0	%100
23	M183A	X	.201	.201	0	%100
24	M183A	Z	-.116	-.116	0	%100
25	M186A	X	.769	.769	0	%100
26	M186A	Z	-.444	-.444	0	%100
27	M70	X	.864	.864	0	%100
28	M70	Z	-.499	-.499	0	%100
29	M71	X	.488	.488	0	%100
30	M71	Z	-.282	-.282	0	%100
31	M26	X	.365	.365	0	%100
32	M26	Z	-.211	-.211	0	%100
33	M28	X	.365	.365	0	%100
34	M28	Z	-.211	-.211	0	%100
35	M30	X	1.384	1.384	0	%100
36	M30	Z	-.799	-.799	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	.352	.352	0	%100
42	M33	Z	-.203	-.203	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	.352	.352	0	%100
46	M36	Z	-.203	-.203	0	%100
47	M38	X	.866	.866	0	%100
48	M38	Z	-.5	-.5	0	%100
49	M39	X	.866	.866	0	%100
50	M39	Z	-.5	-.5	0	%100
51	M44	X	.183	.183	0	%100
52	M44	Z	-.106	-.106	0	%100
53	M47	X	.183	.183	0	%100
54	M47	Z	-.106	-.106	0	%100
55	M48	X	.463	.463	0	%100
56	M48	Z	-.267	-.267	0	%100
57	M49	X	.463	.463	0	%100
58	M49	Z	-.267	-.267	0	%100
59	M50	X	.365	.365	0	%100
60	M50	Z	-.211	-.211	0	%100
61	M52	X	1.46	1.46	0	%100
62	M52	Z	-.843	-.843	0	%100
63	M54	X	.346	.346	0	%100
64	M54	Z	-.2	-.2	0	%100
65	M55	X	.67	.67	0	%100
66	M55	Z	-.387	-.387	0	%100
67	M56	X	1.044	1.044	0	%100
68	M56	Z	-.603	-.603	0	%100
69	M57	X	.352	.352	0	%100
70	M57	Z	-.203	-.203	0	%100
71	M59	X	1.044	1.044	0	%100
72	M59	Z	-.603	-.603	0	%100
73	M60	X	1.409	1.409	0	%100
74	M60	Z	-.814	-.814	0	%100
75	M62	X	.216	.216	0	%100
76	M62	Z	-.125	-.125	0	%100
77	M63	X	.216	.216	0	%100
78	M63	Z	-.125	-.125	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, %]
79	M68	X	.769	.769	0	%100
80	M68	Z	-.444	-.444	0	%100
81	M71A	X	.201	.201	0	%100
82	M71A	Z	-.116	-.116	0	%100
83	M72	X	.488	.488	0	%100
84	M72	Z	-.282	-.282	0	%100
85	M73	X	.864	.864	0	%100
86	M73	Z	-.499	-.499	0	%100
87	M74	X	.787	.787	0	%100
88	M74	Z	-.454	-.454	0	%100
89	M75	X	.197	.197	0	%100
90	M75	Z	-.114	-.114	0	%100
91	MP4A	X	.548	.548	0	%100
92	MP4A	Z	-.316	-.316	0	%100
93	MP3A	X	.548	.548	0	%100
94	MP3A	Z	-.316	-.316	0	%100
95	MP2A	X	.548	.548	0	%100
96	MP2A	Z	-.316	-.316	0	%100
97	MP1A	X	.548	.548	0	%100
98	MP1A	Z	-.316	-.316	0	%100
99	OVP	X	.465	.465	0	%100
100	OVP	Z	-.268	-.268	0	%100
101	MP4C	X	.548	.548	0	%100
102	MP4C	Z	-.316	-.316	0	%100
103	MP3C	X	.548	.548	0	%100
104	MP3C	Z	-.316	-.316	0	%100
105	MP2C	X	.548	.548	0	%100
106	MP2C	Z	-.316	-.316	0	%100
107	MP1C	X	.548	.548	0	%100
108	MP1C	Z	-.316	-.316	0	%100
109	MP4B	X	.548	.548	0	%100
110	MP4B	Z	-.316	-.316	0	%100
111	MP3B	X	.548	.548	0	%100
112	MP3B	Z	-.316	-.316	0	%100
113	MP2B	X	.548	.548	0	%100
114	MP2B	Z	-.316	-.316	0	%100
115	MP1B	X	.548	.548	0	%100
116	MP1B	Z	-.316	-.316	0	%100
117	M102	X	.166	.166	0	%100
118	M102	Z	-.096	-.096	0	%100
119	M109	X	.663	.663	0	%100
120	M109	Z	-.383	-.383	0	%100
121	M114	X	.166	.166	0	%100
122	M114	Z	-.096	-.096	0	%100
123	M123	X	.761	.761	0	%100
124	M123	Z	-.439	-.439	0	%100
125	M124	X	.19	.19	0	%100
126	M124	Z	-.11	-.11	0	%100
127	M125	X	.19	.19	0	%100
128	M125	Z	-.11	-.11	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M142C	X	1.265	1.265	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,%]
4	M142C	Z	0	0	0	%100
5	M144C	X	1.265	1.265	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	0	0	0	%100
9	M169A	X	1.031	1.031	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	1.608	1.608	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	1.22	1.22	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	1.608	1.608	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	1.22	1.22	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	0	0	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	0	0	0	%100
23	M183A	X	.676	.676	0	%100
24	M183A	Z	0	0	0	%100
25	M186A	X	.676	.676	0	%100
26	M186A	Z	0	0	0	%100
27	M70	X	.863	.863	0	%100
28	M70	Z	0	0	0	%100
29	M71	X	.863	.863	0	%100
30	M71	Z	0	0	0	%100
31	M26	X	1.265	1.265	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M30	X	1.198	1.198	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.258	.258	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.402	.402	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	1.22	1.22	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	.402	.402	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	0	0	0	%100
47	M38	X	.75	.75	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	.75	.75	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	.000162	.000162	0	%100
52	M44	Z	0	0	0	%100
53	M47	X	.655	.655	0	%100
54	M47	Z	0	0	0	%100
55	M48	X	.834	.834	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	.4	.4	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	M52	X	1.265	1.265	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	1.198	1.198	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	.258	.258	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	.402	.402	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	0	0	0	%100
71	M59	X	.402	.402	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	1.22	1.22	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	.75	.75	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	.75	.75	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	.655	.655	0	%100
80	M68	Z	0	0	0	%100
81	M71A	X	.000162	.000162	0	%100
82	M71A	Z	0	0	0	%100
83	M72	X	.4	.4	0	%100
84	M72	Z	0	0	0	%100
85	M73	X	.834	.834	0	%100
86	M73	Z	0	0	0	%100
87	M74	X	.681	.681	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	.681	.681	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	.632	.632	0	%100
92	MP4A	Z	0	0	0	%100
93	MP3A	X	.632	.632	0	%100
94	MP3A	Z	0	0	0	%100
95	MP2A	X	.632	.632	0	%100
96	MP2A	Z	0	0	0	%100
97	MP1A	X	.632	.632	0	%100
98	MP1A	Z	0	0	0	%100
99	OVP	X	.537	.537	0	%100
100	OVP	Z	0	0	0	%100
101	MP4C	X	.632	.632	0	%100
102	MP4C	Z	0	0	0	%100
103	MP3C	X	.632	.632	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	.632	.632	0	%100
106	MP2C	Z	0	0	0	%100
107	MP1C	X	.632	.632	0	%100
108	MP1C	Z	0	0	0	%100
109	MP4B	X	.632	.632	0	%100
110	MP4B	Z	0	0	0	%100
111	MP3B	X	.632	.632	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	.632	.632	0	%100
114	MP2B	Z	0	0	0	%100
115	MP1B	X	.632	.632	0	%100
116	MP1B	Z	0	0	0	%100
117	M102	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
118	M102	Z	0	0	0	%100
119	M109	X	.574	.574	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	.574	.574	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	.659	.659	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	.659	.659	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	0	0	0	%100
128	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M20	X	.197	.197	0	%100
2	M20	Z	.114	.114	0	%100
3	M142C	X	.365	.365	0	%100
4	M142C	Z	.211	.211	0	%100
5	M144C	X	1.46	1.46	0	%100
6	M144C	Z	.843	.843	0	%100
7	M164A	X	.346	.346	0	%100
8	M164A	Z	.2	.2	0	%100
9	M169A	X	.67	.67	0	%100
10	M169A	Z	.387	.387	0	%100
11	M160A	X	1.044	1.044	0	%100
12	M160A	Z	.603	.603	0	%100
13	M161A	X	.352	.352	0	%100
14	M161A	Z	.203	.203	0	%100
15	M163B	X	1.044	1.044	0	%100
16	M163B	Z	.603	.603	0	%100
17	M164B	X	1.409	1.409	0	%100
18	M164B	Z	.814	.814	0	%100
19	M169B	X	.216	.216	0	%100
20	M169B	Z	.125	.125	0	%100
21	M170B	X	.216	.216	0	%100
22	M170B	Z	.125	.125	0	%100
23	M183A	X	.769	.769	0	%100
24	M183A	Z	.444	.444	0	%100
25	M186A	X	.201	.201	0	%100
26	M186A	Z	.116	.116	0	%100
27	M70	X	.488	.488	0	%100
28	M70	Z	.282	.282	0	%100
29	M71	X	.864	.864	0	%100
30	M71	Z	.499	.499	0	%100
31	M26	X	1.46	1.46	0	%100
32	M26	Z	.843	.843	0	%100
33	M28	X	.365	.365	0	%100
34	M28	Z	.211	.211	0	%100
35	M30	X	.346	.346	0	%100
36	M30	Z	.2	.2	0	%100
37	M31	X	.67	.67	0	%100
38	M31	Z	.387	.387	0	%100
39	M32	X	1.044	1.044	0	%100
40	M32	Z	.603	.603	0	%100
41	M33	X	1.409	1.409	0	%100
42	M33	Z	.814	.814	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, %]
43	M35	X	1.044	1.044	0	%100
44	M35	Z	.603	.603	0	%100
45	M36	X	.352	.352	0	%100
46	M36	Z	.203	.203	0	%100
47	M38	X	.216	.216	0	%100
48	M38	Z	.125	.125	0	%100
49	M39	X	.216	.216	0	%100
50	M39	Z	.125	.125	0	%100
51	M44	X	.201	.201	0	%100
52	M44	Z	.116	.116	0	%100
53	M47	X	.769	.769	0	%100
54	M47	Z	.444	.444	0	%100
55	M48	X	.864	.864	0	%100
56	M48	Z	.499	.499	0	%100
57	M49	X	.488	.488	0	%100
58	M49	Z	.282	.282	0	%100
59	M50	X	.365	.365	0	%100
60	M50	Z	.211	.211	0	%100
61	M52	X	.365	.365	0	%100
62	M52	Z	.211	.211	0	%100
63	M54	X	1.384	1.384	0	%100
64	M54	Z	.799	.799	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	.352	.352	0	%100
70	M57	Z	.203	.203	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	.352	.352	0	%100
74	M60	Z	.203	.203	0	%100
75	M62	X	.866	.866	0	%100
76	M62	Z	.5	.5	0	%100
77	M63	X	.866	.866	0	%100
78	M63	Z	.5	.5	0	%100
79	M68	X	.183	.183	0	%100
80	M68	Z	.106	.106	0	%100
81	M71A	X	.183	.183	0	%100
82	M71A	Z	.106	.106	0	%100
83	M72	X	.463	.463	0	%100
84	M72	Z	.267	.267	0	%100
85	M73	X	.463	.463	0	%100
86	M73	Z	.267	.267	0	%100
87	M74	X	.197	.197	0	%100
88	M74	Z	.114	.114	0	%100
89	M75	X	.787	.787	0	%100
90	M75	Z	.454	.454	0	%100
91	MP4A	X	.548	.548	0	%100
92	MP4A	Z	.316	.316	0	%100
93	MP3A	X	.548	.548	0	%100
94	MP3A	Z	.316	.316	0	%100
95	MP2A	X	.548	.548	0	%100
96	MP2A	Z	.316	.316	0	%100
97	MP1A	X	.548	.548	0	%100
98	MP1A	Z	.316	.316	0	%100
99	OVP	X	.465	.465	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, %]
100	OVP	Z	.268	.268	0	%100
101	MP4C	X	.548	.548	0	%100
102	MP4C	Z	.316	.316	0	%100
103	MP3C	X	.548	.548	0	%100
104	MP3C	Z	.316	.316	0	%100
105	MP2C	X	.548	.548	0	%100
106	MP2C	Z	.316	.316	0	%100
107	MP1C	X	.548	.548	0	%100
108	MP1C	Z	.316	.316	0	%100
109	MP4B	X	.548	.548	0	%100
110	MP4B	Z	.316	.316	0	%100
111	MP3B	X	.548	.548	0	%100
112	MP3B	Z	.316	.316	0	%100
113	MP2B	X	.548	.548	0	%100
114	MP2B	Z	.316	.316	0	%100
115	MP1B	X	.548	.548	0	%100
116	MP1B	Z	.316	.316	0	%100
117	M102	X	.166	.166	0	%100
118	M102	Z	.096	.096	0	%100
119	M109	X	.166	.166	0	%100
120	M109	Z	.096	.096	0	%100
121	M114	X	.663	.663	0	%100
122	M114	Z	.383	.383	0	%100
123	M123	X	.19	.19	0	%100
124	M123	Z	.11	.11	0	%100
125	M124	X	.761	.761	0	%100
126	M124	Z	.439	.439	0	%100
127	M125	X	.19	.19	0	%100
128	M125	Z	.11	.11	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	M20	X	.341	.341	0	%100
2	M20	Z	.59	.59	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	.632	.632	0	%100
6	M144C	Z	1.095	1.095	0	%100
7	M164A	X	.599	.599	0	%100
8	M164A	Z	1.038	1.038	0	%100
9	M169A	X	.129	.129	0	%100
10	M169A	Z	.223	.223	0	%100
11	M160A	X	.201	.201	0	%100
12	M160A	Z	.348	.348	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	.201	.201	0	%100
16	M163B	Z	.348	.348	0	%100
17	M164B	X	.61	.61	0	%100
18	M164B	Z	1.057	1.057	0	%100
19	M169B	X	.375	.375	0	%100
20	M169B	Z	.649	.649	0	%100
21	M170B	X	.375	.375	0	%100
22	M170B	Z	.649	.649	0	%100
23	M183A	X	.328	.328	0	%100
24	M183A	Z	.567	.567	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, %]
25	M186A	X	8.1e-5	8.1e-5	0	%100
26	M186A	Z	.000141	.000141	0	%100
27	M70	X	.2	.2	0	%100
28	M70	Z	.346	.346	0	%100
29	M71	X	.417	.417	0	%100
30	M71	Z	.722	.722	0	%100
31	M26	X	.632	.632	0	%100
32	M26	Z	1.095	1.095	0	%100
33	M28	X	.632	.632	0	%100
34	M28	Z	1.095	1.095	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.516	.516	0	%100
38	M31	Z	.893	.893	0	%100
39	M32	X	.804	.804	0	%100
40	M32	Z	1.392	1.392	0	%100
41	M33	X	.61	.61	0	%100
42	M33	Z	1.057	1.057	0	%100
43	M35	X	.804	.804	0	%100
44	M35	Z	1.392	1.392	0	%100
45	M36	X	.61	.61	0	%100
46	M36	Z	1.057	1.057	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	.338	.338	0	%100
52	M44	Z	.585	.585	0	%100
53	M47	X	.338	.338	0	%100
54	M47	Z	.585	.585	0	%100
55	M48	X	.431	.431	0	%100
56	M48	Z	.747	.747	0	%100
57	M49	X	.431	.431	0	%100
58	M49	Z	.747	.747	0	%100
59	M50	X	.632	.632	0	%100
60	M50	Z	1.095	1.095	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	.599	.599	0	%100
64	M54	Z	1.038	1.038	0	%100
65	M55	X	.129	.129	0	%100
66	M55	Z	.223	.223	0	%100
67	M56	X	.201	.201	0	%100
68	M56	Z	.348	.348	0	%100
69	M57	X	.61	.61	0	%100
70	M57	Z	1.057	1.057	0	%100
71	M59	X	.201	.201	0	%100
72	M59	Z	.348	.348	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	.375	.375	0	%100
76	M62	Z	.649	.649	0	%100
77	M63	X	.375	.375	0	%100
78	M63	Z	.649	.649	0	%100
79	M68	X	8.1e-5	8.1e-5	0	%100
80	M68	Z	.000141	.000141	0	%100
81	M71A	X	.328	.328	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, %]
82	M71A	Z	.567	.567	0	%100
83	M72	X	.417	.417	0	%100
84	M72	Z	.722	.722	0	%100
85	M73	X	.2	.2	0	%100
86	M73	Z	.346	.346	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	.341	.341	0	%100
90	M75	Z	.59	.59	0	%100
91	MP4A	X	.316	.316	0	%100
92	MP4A	Z	.548	.548	0	%100
93	MP3A	X	.316	.316	0	%100
94	MP3A	Z	.548	.548	0	%100
95	MP2A	X	.316	.316	0	%100
96	MP2A	Z	.548	.548	0	%100
97	MP1A	X	.316	.316	0	%100
98	MP1A	Z	.548	.548	0	%100
99	OVP	X	.268	.268	0	%100
100	OVP	Z	.465	.465	0	%100
101	MP4C	X	.316	.316	0	%100
102	MP4C	Z	.548	.548	0	%100
103	MP3C	X	.316	.316	0	%100
104	MP3C	Z	.548	.548	0	%100
105	MP2C	X	.316	.316	0	%100
106	MP2C	Z	.548	.548	0	%100
107	MP1C	X	.316	.316	0	%100
108	MP1C	Z	.548	.548	0	%100
109	MP4B	X	.316	.316	0	%100
110	MP4B	Z	.548	.548	0	%100
111	MP3B	X	.316	.316	0	%100
112	MP3B	Z	.548	.548	0	%100
113	MP2B	X	.316	.316	0	%100
114	MP2B	Z	.548	.548	0	%100
115	MP1B	X	.316	.316	0	%100
116	MP1B	Z	.548	.548	0	%100
117	M102	X	.287	.287	0	%100
118	M102	Z	.497	.497	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	.287	.287	0	%100
122	M114	Z	.497	.497	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	.33	.33	0	%100
126	M124	Z	.571	.571	0	%100
127	M125	X	.33	.33	0	%100
128	M125	Z	.571	.571	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	M20	X	0	0	0	%100
2	M20	Z	.908	.908	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	.422	.422	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	.422	.422	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, %]
7	M164A	X	0	0	0	%100
8	M164A	Z	1.598	1.598	0	%100
9	M169A	X	0	0	0	%100
10	M169A	Z	0	0	0	%100
11	M160A	X	0	0	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	.407	.407	0	%100
15	M163B	X	0	0	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	.407	.407	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	1	1	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	1	1	0	%100
23	M183A	X	0	0	0	%100
24	M183A	Z	.212	.212	0	%100
25	M186A	X	0	0	0	%100
26	M186A	Z	.212	.212	0	%100
27	M70	X	0	0	0	%100
28	M70	Z	.534	.534	0	%100
29	M71	X	0	0	0	%100
30	M71	Z	.534	.534	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.422	.422	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	1.686	1.686	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	.399	.399	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	.773	.773	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	1.206	1.206	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	.407	.407	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	1.206	1.206	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	1.627	1.627	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	.25	.25	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	.25	.25	0	%100
51	M44	X	0	0	0	%100
52	M44	Z	.887	.887	0	%100
53	M47	X	0	0	0	%100
54	M47	Z	.232	.232	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	.564	.564	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	.998	.998	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	1.686	1.686	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	.422	.422	0	%100
63	M54	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M54	Z	.399	.399	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	.773	.773	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	1.206	1.206	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	1.627	1.627	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	1.206	1.206	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	.407	.407	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	.25	.25	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	.25	.25	0	%100
79	M68	X	0	0	0	%100
80	M68	Z	.232	.232	0	%100
81	M71A	X	0	0	0	%100
82	M71A	Z	.887	.887	0	%100
83	M72	X	0	0	0	%100
84	M72	Z	.998	.998	0	%100
85	M73	X	0	0	0	%100
86	M73	Z	.564	.564	0	%100
87	M74	X	0	0	0	%100
88	M74	Z	.227	.227	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	.227	.227	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	.632	.632	0	%100
93	MP3A	X	0	0	0	%100
94	MP3A	Z	.632	.632	0	%100
95	MP2A	X	0	0	0	%100
96	MP2A	Z	.632	.632	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	.632	.632	0	%100
99	OVP	X	0	0	0	%100
100	OVP	Z	.537	.537	0	%100
101	MP4C	X	0	0	0	%100
102	MP4C	Z	.632	.632	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.632	.632	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	.632	.632	0	%100
107	MP1C	X	0	0	0	%100
108	MP1C	Z	.632	.632	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	.632	.632	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	.632	.632	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	.632	.632	0	%100
115	MP1B	X	0	0	0	%100
116	MP1B	Z	.632	.632	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	.766	.766	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	.191	.191	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, %]
121	M114	X	0	0	0	%100
122	M114	Z	.191	.191	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	.22	.22	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	.22	.22	0	%100
127	M125	X	0	0	0	%100
128	M125	Z	.879	.879	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	M20	X	-.341	-.341	0	%100
2	M20	Z	.59	.59	0	%100
3	M142C	X	-.632	-.632	0	%100
4	M142C	Z	1.095	1.095	0	%100
5	M144C	X	0	0	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	-.599	-.599	0	%100
8	M164A	Z	1.038	1.038	0	%100
9	M169A	X	-.129	-.129	0	%100
10	M169A	Z	.223	.223	0	%100
11	M160A	X	-.201	-.201	0	%100
12	M160A	Z	.348	.348	0	%100
13	M161A	X	-.61	-.61	0	%100
14	M161A	Z	1.057	1.057	0	%100
15	M163B	X	-.201	-.201	0	%100
16	M163B	Z	.348	.348	0	%100
17	M164B	X	0	0	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	-.375	-.375	0	%100
20	M169B	Z	.649	.649	0	%100
21	M170B	X	-.375	-.375	0	%100
22	M170B	Z	.649	.649	0	%100
23	M183A	X	-8.1e-5	-8.1e-5	0	%100
24	M183A	Z	.000141	.000141	0	%100
25	M186A	X	-.328	-.328	0	%100
26	M186A	Z	.567	.567	0	%100
27	M70	X	-.417	-.417	0	%100
28	M70	Z	.722	.722	0	%100
29	M71	X	-.2	-.2	0	%100
30	M71	Z	.346	.346	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	-.632	-.632	0	%100
34	M28	Z	1.095	1.095	0	%100
35	M30	X	-.599	-.599	0	%100
36	M30	Z	1.038	1.038	0	%100
37	M31	X	-.129	-.129	0	%100
38	M31	Z	.223	.223	0	%100
39	M32	X	-.201	-.201	0	%100
40	M32	Z	.348	.348	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	-.201	-.201	0	%100
44	M35	Z	.348	.348	0	%100
45	M36	X	-.61	-.61	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M36	Z	1.057	1.057	0	%100
47	M38	X	-.375	-.375	0	%100
48	M38	Z	.649	.649	0	%100
49	M39	X	-.375	-.375	0	%100
50	M39	Z	.649	.649	0	%100
51	M44	X	-.328	-.328	0	%100
52	M44	Z	.567	.567	0	%100
53	M47	X	-8.1e-5	-8.1e-5	0	%100
54	M47	Z	.000141	.000141	0	%100
55	M48	X	-.2	-.2	0	%100
56	M48	Z	.346	.346	0	%100
57	M49	X	-.417	-.417	0	%100
58	M49	Z	.722	.722	0	%100
59	M50	X	-.632	-.632	0	%100
60	M50	Z	1.095	1.095	0	%100
61	M52	X	-.632	-.632	0	%100
62	M52	Z	1.095	1.095	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	-.516	-.516	0	%100
66	M55	Z	.893	.893	0	%100
67	M56	X	-.804	-.804	0	%100
68	M56	Z	1.392	1.392	0	%100
69	M57	X	-.61	-.61	0	%100
70	M57	Z	1.057	1.057	0	%100
71	M59	X	-.804	-.804	0	%100
72	M59	Z	1.392	1.392	0	%100
73	M60	X	-.61	-.61	0	%100
74	M60	Z	1.057	1.057	0	%100
75	M62	X	0	0	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	0	0	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	-.338	-.338	0	%100
80	M68	Z	.585	.585	0	%100
81	M71A	X	-.338	-.338	0	%100
82	M71A	Z	.585	.585	0	%100
83	M72	X	-.431	-.431	0	%100
84	M72	Z	.747	.747	0	%100
85	M73	X	-.431	-.431	0	%100
86	M73	Z	.747	.747	0	%100
87	M74	X	-.341	-.341	0	%100
88	M74	Z	.59	.59	0	%100
89	M75	X	0	0	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	-.316	-.316	0	%100
92	MP4A	Z	.548	.548	0	%100
93	MP3A	X	-.316	-.316	0	%100
94	MP3A	Z	.548	.548	0	%100
95	MP2A	X	-.316	-.316	0	%100
96	MP2A	Z	.548	.548	0	%100
97	MP1A	X	-.316	-.316	0	%100
98	MP1A	Z	.548	.548	0	%100
99	OVP	X	-.268	-.268	0	%100
100	OVP	Z	.465	.465	0	%100
101	MP4C	X	-.316	-.316	0	%100
102	MP4C	Z	.548	.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	MP3C	X	-.316	-.316	0	%100
104	MP3C	Z	.548	.548	0	%100
105	MP2C	X	-.316	-.316	0	%100
106	MP2C	Z	.548	.548	0	%100
107	MP1C	X	-.316	-.316	0	%100
108	MP1C	Z	.548	.548	0	%100
109	MP4B	X	-.316	-.316	0	%100
110	MP4B	Z	.548	.548	0	%100
111	MP3B	X	-.316	-.316	0	%100
112	MP3B	Z	.548	.548	0	%100
113	MP2B	X	-.316	-.316	0	%100
114	MP2B	Z	.548	.548	0	%100
115	MP1B	X	-.316	-.316	0	%100
116	MP1B	Z	.548	.548	0	%100
117	M102	X	-.287	-.287	0	%100
118	M102	Z	.497	.497	0	%100
119	M109	X	-.287	-.287	0	%100
120	M109	Z	.497	.497	0	%100
121	M114	X	0	0	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	-.33	-.33	0	%100
124	M123	Z	.571	.571	0	%100
125	M124	X	0	0	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	-.33	-.33	0	%100
128	M125	Z	.571	.571	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	M20	X	-.197	-.197	0	%100
2	M20	Z	.114	.114	0	%100
3	M142C	X	-1.46	-1.46	0	%100
4	M142C	Z	.843	.843	0	%100
5	M144C	X	-.365	-.365	0	%100
6	M144C	Z	.211	.211	0	%100
7	M164A	X	-.346	-.346	0	%100
8	M164A	Z	.2	.2	0	%100
9	M169A	X	-.67	-.67	0	%100
10	M169A	Z	.387	.387	0	%100
11	M160A	X	-1.044	-1.044	0	%100
12	M160A	Z	.603	.603	0	%100
13	M161A	X	-1.409	-1.409	0	%100
14	M161A	Z	.814	.814	0	%100
15	M163B	X	-1.044	-1.044	0	%100
16	M163B	Z	.603	.603	0	%100
17	M164B	X	-.352	-.352	0	%100
18	M164B	Z	.203	.203	0	%100
19	M169B	X	-.216	-.216	0	%100
20	M169B	Z	.125	.125	0	%100
21	M170B	X	-.216	-.216	0	%100
22	M170B	Z	.125	.125	0	%100
23	M183A	X	-.201	-.201	0	%100
24	M183A	Z	.116	.116	0	%100
25	M186A	X	-.769	-.769	0	%100
26	M186A	Z	.444	.444	0	%100
27	M70	X	-.864	-.864	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,%]
28	M70	Z	.499	.499	0	%100
29	M71	X	-.488	-.488	0	%100
30	M71	Z	.282	.282	0	%100
31	M26	X	-.365	-.365	0	%100
32	M26	Z	.211	.211	0	%100
33	M28	X	-.365	-.365	0	%100
34	M28	Z	.211	.211	0	%100
35	M30	X	-1.384	-1.384	0	%100
36	M30	Z	.799	.799	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-.352	-.352	0	%100
42	M33	Z	.203	.203	0	%100
43	M35	X	0	0	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	-.352	-.352	0	%100
46	M36	Z	.203	.203	0	%100
47	M38	X	-.866	-.866	0	%100
48	M38	Z	.5	.5	0	%100
49	M39	X	-.866	-.866	0	%100
50	M39	Z	.5	.5	0	%100
51	M44	X	-.183	-.183	0	%100
52	M44	Z	.106	.106	0	%100
53	M47	X	-.183	-.183	0	%100
54	M47	Z	.106	.106	0	%100
55	M48	X	-.463	-.463	0	%100
56	M48	Z	.267	.267	0	%100
57	M49	X	-.463	-.463	0	%100
58	M49	Z	.267	.267	0	%100
59	M50	X	-.365	-.365	0	%100
60	M50	Z	.211	.211	0	%100
61	M52	X	-1.46	-1.46	0	%100
62	M52	Z	.843	.843	0	%100
63	M54	X	-.346	-.346	0	%100
64	M54	Z	.2	.2	0	%100
65	M55	X	-.67	-.67	0	%100
66	M55	Z	.387	.387	0	%100
67	M56	X	-1.044	-1.044	0	%100
68	M56	Z	.603	.603	0	%100
69	M57	X	-.352	-.352	0	%100
70	M57	Z	.203	.203	0	%100
71	M59	X	-1.044	-1.044	0	%100
72	M59	Z	.603	.603	0	%100
73	M60	X	-1.409	-1.409	0	%100
74	M60	Z	.814	.814	0	%100
75	M62	X	-.216	-.216	0	%100
76	M62	Z	.125	.125	0	%100
77	M63	X	-.216	-.216	0	%100
78	M63	Z	.125	.125	0	%100
79	M68	X	-.769	-.769	0	%100
80	M68	Z	.444	.444	0	%100
81	M71A	X	-.201	-.201	0	%100
82	M71A	Z	.116	.116	0	%100
83	M72	X	-.488	-.488	0	%100
84	M72	Z	.282	.282	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, %]
85	M73	X	-.864	-.864	0	%100
86	M73	Z	.499	.499	0	%100
87	M74	X	-.787	-.787	0	%100
88	M74	Z	.454	.454	0	%100
89	M75	X	-.197	-.197	0	%100
90	M75	Z	.114	.114	0	%100
91	MP4A	X	-.548	-.548	0	%100
92	MP4A	Z	.316	.316	0	%100
93	MP3A	X	-.548	-.548	0	%100
94	MP3A	Z	.316	.316	0	%100
95	MP2A	X	-.548	-.548	0	%100
96	MP2A	Z	.316	.316	0	%100
97	MP1A	X	-.548	-.548	0	%100
98	MP1A	Z	.316	.316	0	%100
99	OVP	X	-.465	-.465	0	%100
100	OVP	Z	.268	.268	0	%100
101	MP4C	X	-.548	-.548	0	%100
102	MP4C	Z	.316	.316	0	%100
103	MP3C	X	-.548	-.548	0	%100
104	MP3C	Z	.316	.316	0	%100
105	MP2C	X	-.548	-.548	0	%100
106	MP2C	Z	.316	.316	0	%100
107	MP1C	X	-.548	-.548	0	%100
108	MP1C	Z	.316	.316	0	%100
109	MP4B	X	-.548	-.548	0	%100
110	MP4B	Z	.316	.316	0	%100
111	MP3B	X	-.548	-.548	0	%100
112	MP3B	Z	.316	.316	0	%100
113	MP2B	X	-.548	-.548	0	%100
114	MP2B	Z	.316	.316	0	%100
115	MP1B	X	-.548	-.548	0	%100
116	MP1B	Z	.316	.316	0	%100
117	M102	X	-.166	-.166	0	%100
118	M102	Z	.096	.096	0	%100
119	M109	X	-.663	-.663	0	%100
120	M109	Z	.383	.383	0	%100
121	M114	X	-.166	-.166	0	%100
122	M114	Z	.096	.096	0	%100
123	M123	X	-.761	-.761	0	%100
124	M123	Z	.439	.439	0	%100
125	M124	X	-.19	-.19	0	%100
126	M124	Z	.11	.11	0	%100
127	M125	X	-.19	-.19	0	%100
128	M125	Z	.11	.11	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M142C	X	-1.265	-1.265	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	-1.265	-1.265	0	%100
6	M144C	Z	0	0	0	%100
7	M164A	X	0	0	0	%100
8	M164A	Z	0	0	0	%100
9	M169A	X	-1.031	-1.031	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,%]
10	M169A	Z	0	0	0	%100
11	M160A	X	-1.608	-1.608	0	%100
12	M160A	Z	0	0	0	%100
13	M161A	X	-1.22	-1.22	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	-1.608	-1.608	0	%100
16	M163B	Z	0	0	0	%100
17	M164B	X	-1.22	-1.22	0	%100
18	M164B	Z	0	0	0	%100
19	M169B	X	0	0	0	%100
20	M169B	Z	0	0	0	%100
21	M170B	X	0	0	0	%100
22	M170B	Z	0	0	0	%100
23	M183A	X	-.676	-.676	0	%100
24	M183A	Z	0	0	0	%100
25	M186A	X	-.676	-.676	0	%100
26	M186A	Z	0	0	0	%100
27	M70	X	-.863	-.863	0	%100
28	M70	Z	0	0	0	%100
29	M71	X	-.863	-.863	0	%100
30	M71	Z	0	0	0	%100
31	M26	X	-1.265	-1.265	0	%100
32	M26	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M30	X	-1.198	-1.198	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-.258	-.258	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.402	-.402	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-1.22	-1.22	0	%100
42	M33	Z	0	0	0	%100
43	M35	X	-.402	-.402	0	%100
44	M35	Z	0	0	0	%100
45	M36	X	0	0	0	%100
46	M36	Z	0	0	0	%100
47	M38	X	-.75	-.75	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	-.75	-.75	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	-.000162	-.000162	0	%100
52	M44	Z	0	0	0	%100
53	M47	X	-.655	-.655	0	%100
54	M47	Z	0	0	0	%100
55	M48	X	-.834	-.834	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-.4	-.4	0	%100
58	M49	Z	0	0	0	%100
59	M50	X	0	0	0	%100
60	M50	Z	0	0	0	%100
61	M52	X	-1.265	-1.265	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	-1.198	-1.198	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	-.258	-.258	0	%100
66	M55	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, %]
67	M56	X	-.402	-.402	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	0	0	0	%100
70	M57	Z	0	0	0	%100
71	M59	X	-.402	-.402	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-1.22	-1.22	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	-.75	-.75	0	%100
76	M62	Z	0	0	0	%100
77	M63	X	-.75	-.75	0	%100
78	M63	Z	0	0	0	%100
79	M68	X	-.655	-.655	0	%100
80	M68	Z	0	0	0	%100
81	M71A	X	-.000162	-.000162	0	%100
82	M71A	Z	0	0	0	%100
83	M72	X	-.4	-.4	0	%100
84	M72	Z	0	0	0	%100
85	M73	X	-.834	-.834	0	%100
86	M73	Z	0	0	0	%100
87	M74	X	-.681	-.681	0	%100
88	M74	Z	0	0	0	%100
89	M75	X	-.681	-.681	0	%100
90	M75	Z	0	0	0	%100
91	MP4A	X	-.632	-.632	0	%100
92	MP4A	Z	0	0	0	%100
93	MP3A	X	-.632	-.632	0	%100
94	MP3A	Z	0	0	0	%100
95	MP2A	X	-.632	-.632	0	%100
96	MP2A	Z	0	0	0	%100
97	MP1A	X	-.632	-.632	0	%100
98	MP1A	Z	0	0	0	%100
99	OVP	X	-.537	-.537	0	%100
100	OVP	Z	0	0	0	%100
101	MP4C	X	-.632	-.632	0	%100
102	MP4C	Z	0	0	0	%100
103	MP3C	X	-.632	-.632	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-.632	-.632	0	%100
106	MP2C	Z	0	0	0	%100
107	MP1C	X	-.632	-.632	0	%100
108	MP1C	Z	0	0	0	%100
109	MP4B	X	-.632	-.632	0	%100
110	MP4B	Z	0	0	0	%100
111	MP3B	X	-.632	-.632	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	-.632	-.632	0	%100
114	MP2B	Z	0	0	0	%100
115	MP1B	X	-.632	-.632	0	%100
116	MP1B	Z	0	0	0	%100
117	M102	X	0	0	0	%100
118	M102	Z	0	0	0	%100
119	M109	X	-.574	-.574	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	-.574	-.574	0	%100
122	M114	Z	0	0	0	%100
123	M123	X	-.659	-.659	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, %]
124	M123	Z	0	0	0	%100
125	M124	X	-.659	-.659	0	%100
126	M124	Z	0	0	0	%100
127	M125	X	0	0	0	%100
128	M125	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	M20	X	-.197	-.197	0	%100
2	M20	Z	-.114	-.114	0	%100
3	M142C	X	-.365	-.365	0	%100
4	M142C	Z	-.211	-.211	0	%100
5	M144C	X	-1.46	-1.46	0	%100
6	M144C	Z	-.843	-.843	0	%100
7	M164A	X	-.346	-.346	0	%100
8	M164A	Z	-.2	-.2	0	%100
9	M169A	X	-.67	-.67	0	%100
10	M169A	Z	-.387	-.387	0	%100
11	M160A	X	-1.044	-1.044	0	%100
12	M160A	Z	-.603	-.603	0	%100
13	M161A	X	-.352	-.352	0	%100
14	M161A	Z	-.203	-.203	0	%100
15	M163B	X	-1.044	-1.044	0	%100
16	M163B	Z	-.603	-.603	0	%100
17	M164B	X	-1.409	-1.409	0	%100
18	M164B	Z	-.814	-.814	0	%100
19	M169B	X	-.216	-.216	0	%100
20	M169B	Z	-.125	-.125	0	%100
21	M170B	X	-.216	-.216	0	%100
22	M170B	Z	-.125	-.125	0	%100
23	M183A	X	-.769	-.769	0	%100
24	M183A	Z	-.444	-.444	0	%100
25	M186A	X	-.201	-.201	0	%100
26	M186A	Z	-.116	-.116	0	%100
27	M70	X	-.488	-.488	0	%100
28	M70	Z	-.282	-.282	0	%100
29	M71	X	-.864	-.864	0	%100
30	M71	Z	-.499	-.499	0	%100
31	M26	X	-1.46	-1.46	0	%100
32	M26	Z	-.843	-.843	0	%100
33	M28	X	-.365	-.365	0	%100
34	M28	Z	-.211	-.211	0	%100
35	M30	X	-.346	-.346	0	%100
36	M30	Z	-.2	-.2	0	%100
37	M31	X	-.67	-.67	0	%100
38	M31	Z	-.387	-.387	0	%100
39	M32	X	-1.044	-1.044	0	%100
40	M32	Z	-.603	-.603	0	%100
41	M33	X	-1.409	-1.409	0	%100
42	M33	Z	-.814	-.814	0	%100
43	M35	X	-1.044	-1.044	0	%100
44	M35	Z	-.603	-.603	0	%100
45	M36	X	-.352	-.352	0	%100
46	M36	Z	-.203	-.203	0	%100
47	M38	X	-.216	-.216	0	%100
48	M38	Z	-.125	-.125	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, %]
49	M39	X	-.216	-.216	0	%100
50	M39	Z	-.125	-.125	0	%100
51	M44	X	-.201	-.201	0	%100
52	M44	Z	-.116	-.116	0	%100
53	M47	X	-.769	-.769	0	%100
54	M47	Z	-.444	-.444	0	%100
55	M48	X	-.864	-.864	0	%100
56	M48	Z	-.499	-.499	0	%100
57	M49	X	-.488	-.488	0	%100
58	M49	Z	-.282	-.282	0	%100
59	M50	X	-.365	-.365	0	%100
60	M50	Z	-.211	-.211	0	%100
61	M52	X	-.365	-.365	0	%100
62	M52	Z	-.211	-.211	0	%100
63	M54	X	-1.384	-1.384	0	%100
64	M54	Z	-.799	-.799	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M56	X	0	0	0	%100
68	M56	Z	0	0	0	%100
69	M57	X	-.352	-.352	0	%100
70	M57	Z	-.203	-.203	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-.352	-.352	0	%100
74	M60	Z	-.203	-.203	0	%100
75	M62	X	-.866	-.866	0	%100
76	M62	Z	-.5	-.5	0	%100
77	M63	X	-.866	-.866	0	%100
78	M63	Z	-.5	-.5	0	%100
79	M68	X	-.183	-.183	0	%100
80	M68	Z	-.106	-.106	0	%100
81	M71A	X	-.183	-.183	0	%100
82	M71A	Z	-.106	-.106	0	%100
83	M72	X	-.463	-.463	0	%100
84	M72	Z	-.267	-.267	0	%100
85	M73	X	-.463	-.463	0	%100
86	M73	Z	-.267	-.267	0	%100
87	M74	X	-.197	-.197	0	%100
88	M74	Z	-.114	-.114	0	%100
89	M75	X	-.787	-.787	0	%100
90	M75	Z	-.454	-.454	0	%100
91	MP4A	X	-.548	-.548	0	%100
92	MP4A	Z	-.316	-.316	0	%100
93	MP3A	X	-.548	-.548	0	%100
94	MP3A	Z	-.316	-.316	0	%100
95	MP2A	X	-.548	-.548	0	%100
96	MP2A	Z	-.316	-.316	0	%100
97	MP1A	X	-.548	-.548	0	%100
98	MP1A	Z	-.316	-.316	0	%100
99	OVP	X	-.465	-.465	0	%100
100	OVP	Z	-.268	-.268	0	%100
101	MP4C	X	-.548	-.548	0	%100
102	MP4C	Z	-.316	-.316	0	%100
103	MP3C	X	-.548	-.548	0	%100
104	MP3C	Z	-.316	-.316	0	%100
105	MP2C	X	-.548	-.548	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, %]
106	MP2C	Z	-.316	-.316	0	%100
107	MP1C	X	-.548	-.548	0	%100
108	MP1C	Z	-.316	-.316	0	%100
109	MP4B	X	-.548	-.548	0	%100
110	MP4B	Z	-.316	-.316	0	%100
111	MP3B	X	-.548	-.548	0	%100
112	MP3B	Z	-.316	-.316	0	%100
113	MP2B	X	-.548	-.548	0	%100
114	MP2B	Z	-.316	-.316	0	%100
115	MP1B	X	-.548	-.548	0	%100
116	MP1B	Z	-.316	-.316	0	%100
117	M102	X	-.166	-.166	0	%100
118	M102	Z	-.096	-.096	0	%100
119	M109	X	-.166	-.166	0	%100
120	M109	Z	-.096	-.096	0	%100
121	M114	X	-.663	-.663	0	%100
122	M114	Z	-.383	-.383	0	%100
123	M123	X	-.19	-.19	0	%100
124	M123	Z	-.11	-.11	0	%100
125	M124	X	-.761	-.761	0	%100
126	M124	Z	-.439	-.439	0	%100
127	M125	X	-.19	-.19	0	%100
128	M125	Z	-.11	-.11	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	M20	X	-.341	-.341	0	%100
2	M20	Z	-.59	-.59	0	%100
3	M142C	X	0	0	0	%100
4	M142C	Z	0	0	0	%100
5	M144C	X	-.632	-.632	0	%100
6	M144C	Z	-1.095	-1.095	0	%100
7	M164A	X	-.599	-.599	0	%100
8	M164A	Z	-1.038	-1.038	0	%100
9	M169A	X	-.129	-.129	0	%100
10	M169A	Z	-.223	-.223	0	%100
11	M160A	X	-.201	-.201	0	%100
12	M160A	Z	-.348	-.348	0	%100
13	M161A	X	0	0	0	%100
14	M161A	Z	0	0	0	%100
15	M163B	X	-.201	-.201	0	%100
16	M163B	Z	-.348	-.348	0	%100
17	M164B	X	-.61	-.61	0	%100
18	M164B	Z	-1.057	-1.057	0	%100
19	M169B	X	-.375	-.375	0	%100
20	M169B	Z	-.649	-.649	0	%100
21	M170B	X	-.375	-.375	0	%100
22	M170B	Z	-.649	-.649	0	%100
23	M183A	X	-.328	-.328	0	%100
24	M183A	Z	-.567	-.567	0	%100
25	M186A	X	-8.1e-5	-8.1e-5	0	%100
26	M186A	Z	-.000141	-.000141	0	%100
27	M70	X	-.2	-.2	0	%100
28	M70	Z	-.346	-.346	0	%100
29	M71	X	-.417	-.417	0	%100
30	M71	Z	-.722	-.722	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, %]
31	M26	X	-.632	-.632	0	%100
32	M26	Z	-1.095	-1.095	0	%100
33	M28	X	-.632	-.632	0	%100
34	M28	Z	-1.095	-1.095	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-.516	-.516	0	%100
38	M31	Z	-.893	-.893	0	%100
39	M32	X	-.804	-.804	0	%100
40	M32	Z	-1.392	-1.392	0	%100
41	M33	X	-.61	-.61	0	%100
42	M33	Z	-1.057	-1.057	0	%100
43	M35	X	-.804	-.804	0	%100
44	M35	Z	-1.392	-1.392	0	%100
45	M36	X	-.61	-.61	0	%100
46	M36	Z	-1.057	-1.057	0	%100
47	M38	X	0	0	0	%100
48	M38	Z	0	0	0	%100
49	M39	X	0	0	0	%100
50	M39	Z	0	0	0	%100
51	M44	X	-.338	-.338	0	%100
52	M44	Z	-.585	-.585	0	%100
53	M47	X	-.338	-.338	0	%100
54	M47	Z	-.585	-.585	0	%100
55	M48	X	-.431	-.431	0	%100
56	M48	Z	-.747	-.747	0	%100
57	M49	X	-.431	-.431	0	%100
58	M49	Z	-.747	-.747	0	%100
59	M50	X	-.632	-.632	0	%100
60	M50	Z	-1.095	-1.095	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	-.599	-.599	0	%100
64	M54	Z	-1.038	-1.038	0	%100
65	M55	X	-.129	-.129	0	%100
66	M55	Z	-.223	-.223	0	%100
67	M56	X	-.201	-.201	0	%100
68	M56	Z	-.348	-.348	0	%100
69	M57	X	-.61	-.61	0	%100
70	M57	Z	-1.057	-1.057	0	%100
71	M59	X	-.201	-.201	0	%100
72	M59	Z	-.348	-.348	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	0	0	0	%100
75	M62	X	-.375	-.375	0	%100
76	M62	Z	-.649	-.649	0	%100
77	M63	X	-.375	-.375	0	%100
78	M63	Z	-.649	-.649	0	%100
79	M68	X	-8.1e-5	-8.1e-5	0	%100
80	M68	Z	-.000141	-.000141	0	%100
81	M71A	X	-.328	-.328	0	%100
82	M71A	Z	-.567	-.567	0	%100
83	M72	X	-.417	-.417	0	%100
84	M72	Z	-.722	-.722	0	%100
85	M73	X	-.2	-.2	0	%100
86	M73	Z	-.346	-.346	0	%100
87	M74	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
88	M74	Z	0	0	0	%100
89	M75	X	-.341	-.341	0	%100
90	M75	Z	-.59	-.59	0	%100
91	MP4A	X	-.316	-.316	0	%100
92	MP4A	Z	-.548	-.548	0	%100
93	MP3A	X	-.316	-.316	0	%100
94	MP3A	Z	-.548	-.548	0	%100
95	MP2A	X	-.316	-.316	0	%100
96	MP2A	Z	-.548	-.548	0	%100
97	MP1A	X	-.316	-.316	0	%100
98	MP1A	Z	-.548	-.548	0	%100
99	OVP	X	-.268	-.268	0	%100
100	OVP	Z	-.465	-.465	0	%100
101	MP4C	X	-.316	-.316	0	%100
102	MP4C	Z	-.548	-.548	0	%100
103	MP3C	X	-.316	-.316	0	%100
104	MP3C	Z	-.548	-.548	0	%100
105	MP2C	X	-.316	-.316	0	%100
106	MP2C	Z	-.548	-.548	0	%100
107	MP1C	X	-.316	-.316	0	%100
108	MP1C	Z	-.548	-.548	0	%100
109	MP4B	X	-.316	-.316	0	%100
110	MP4B	Z	-.548	-.548	0	%100
111	MP3B	X	-.316	-.316	0	%100
112	MP3B	Z	-.548	-.548	0	%100
113	MP2B	X	-.316	-.316	0	%100
114	MP2B	Z	-.548	-.548	0	%100
115	MP1B	X	-.316	-.316	0	%100
116	MP1B	Z	-.548	-.548	0	%100
117	M102	X	-.287	-.287	0	%100
118	M102	Z	-.497	-.497	0	%100
119	M109	X	0	0	0	%100
120	M109	Z	0	0	0	%100
121	M114	X	-.287	-.287	0	%100
122	M114	Z	-.497	-.497	0	%100
123	M123	X	0	0	0	%100
124	M123	Z	0	0	0	%100
125	M124	X	-.33	-.33	0	%100
126	M124	Z	-.571	-.571	0	%100
127	M125	X	-.33	-.33	0	%100
128	M125	Z	-.571	-.571	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	M183A	Y	-4.201	-7.529	0	.837
2	M183A	Y	-7.529	-8.62	.837	1.674
3	M183A	Y	-8.62	-7.096	1.674	2.51
4	M183A	Y	-7.096	-5.058	2.51	3.347
5	M183A	Y	-5.058	-2.883	3.347	4.184
6	M186A	Y	-2.19	-8.514	0	1.046
7	M186A	Y	-8.514	-9.968	1.046	2.092
8	M186A	Y	-9.968	-5.761	2.092	3.138
9	M186A	Y	-5.761	-.763	3.138	4.184
10	M44	Y	-4.201	-7.529	0	.837
11	M44	Y	-7.529	-8.62	.837	1.674
12	M44	Y	-8.62	-7.096	1.674	2.51

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
13	M44	Y	-7.096	-5.058	2.51	3.347
14	M44	Y	-5.058	-2.883	3.347	4.184
15	M47	Y	-2.19	-8.514	0	1.046
16	M47	Y	-8.514	-9.968	1.046	2.092
17	M47	Y	-9.968	-5.761	2.092	3.138
18	M47	Y	-5.761	-.763	3.138	4.184
19	M68	Y	-4.201	-7.529	0	.837
20	M68	Y	-7.529	-8.62	.837	1.674
21	M68	Y	-8.62	-7.096	1.674	2.51
22	M68	Y	-7.096	-5.058	2.51	3.347
23	M68	Y	-5.058	-2.883	3.347	4.184
24	M71A	Y	-2.19	-8.514	0	1.046
25	M71A	Y	-8.514	-9.968	1.046	2.092
26	M71A	Y	-9.968	-5.761	2.092	3.138
27	M71A	Y	-5.761	-.763	3.138	4.184

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	M183A	Y	-12.926	-23.167	0	.837
2	M183A	Y	-23.167	-26.522	.837	1.674
3	M183A	Y	-26.522	-21.834	1.674	2.51
4	M183A	Y	-21.834	-15.564	2.51	3.347
5	M183A	Y	-15.564	-8.872	3.347	4.184
6	M186A	Y	-6.74	-26.198	0	1.046
7	M186A	Y	-26.198	-30.672	1.046	2.092
8	M186A	Y	-30.672	-17.727	2.092	3.138
9	M186A	Y	-17.727	-2.348	3.138	4.184
10	M44	Y	-12.926	-23.167	0	.837
11	M44	Y	-23.167	-26.522	.837	1.674
12	M44	Y	-26.522	-21.834	1.674	2.51
13	M44	Y	-21.834	-15.564	2.51	3.347
14	M44	Y	-15.564	-8.872	3.347	4.184
15	M47	Y	-6.74	-26.198	0	1.046
16	M47	Y	-26.198	-30.672	1.046	2.092
17	M47	Y	-30.672	-17.727	2.092	3.138
18	M47	Y	-17.727	-2.348	3.138	4.184
19	M68	Y	-12.926	-23.167	0	.837
20	M68	Y	-23.167	-26.522	.837	1.674
21	M68	Y	-26.522	-21.834	1.674	2.51
22	M68	Y	-21.834	-15.564	2.51	3.347
23	M68	Y	-15.564	-8.872	3.347	4.184
24	M71A	Y	-6.74	-26.198	0	1.046
25	M71A	Y	-26.198	-30.672	1.046	2.092
26	M71A	Y	-30.672	-17.727	2.092	3.138
27	M71A	Y	-17.727	-2.348	3.138	4.184

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N275A	N276A	N280	N279	Y	Two Way	-.005
2	N57	N58	N62	N61	Y	Two Way	-.005
3	N89	N90	N94	N93	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
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Member Area Loads (BLC 40 : Structure Di) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N275A	N276A	N280	N279	Y	Two Way	-.016
2	N57	N58	N62	N61	Y	Two Way	-.016
3	N89	N90	N94	N93	Y	Two Way	-.016



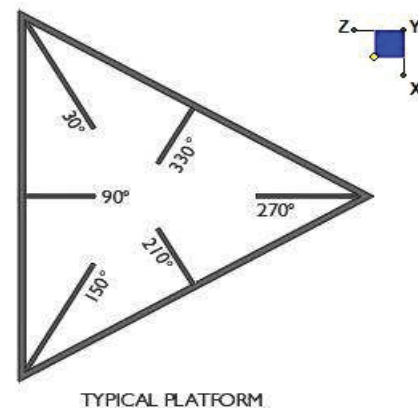
Client:	Version	Date:	6/22/2021
Site Name:	Rocky Hill East CT		
Project No.	21777713A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N43	30
N75	150
N259A	270



Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

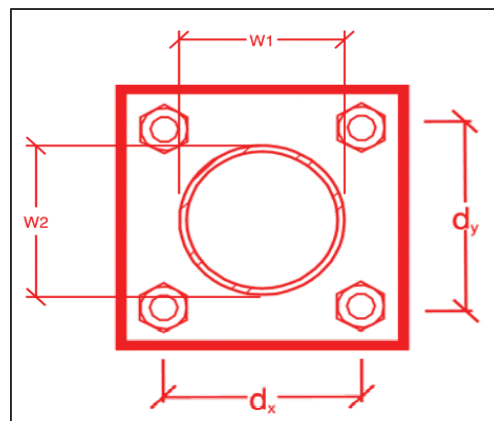
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
14.2
2.2
20.7
12.4
17.1%*
4.5%



*Note: Tension reduction not required if tension or shear capacity < 30%

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

$\Phi \cdot R_n$ (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
8
8
4
4
36
0.75
3
4.18
1.80
23.1%
43.1%

Max Plate Bending Strengths

Mu_{xx} (kip-in) :	3.8
$\Phi \cdot Mn_{xx}$ (kip-in) :	36.5
Mu_{yy} (kip-in) :	4.6
$\Phi \cdot Mn_{yy}$ (kip-in) :	36.5

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact MASER CONSULTING immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.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 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 modifications. Each entire sector must be in one photo to show in the inter-connection of members.
 - 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
 - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
 - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
 - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
 - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
 - 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.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by MASER CONSULTING.
 - If the drawings are as specified on the drawings
 - The contractor should provide the packing list or the materials utilized to perform the mount modification
 - If an equivalent is utilized
 - It is required that the MASER CONSULTING certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the MASER CONSULTING Mount Modification Drawings and included
in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the MASER CONSULTING certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

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 Mod Drawings:

Issue:

1. Contractor shall verify all dimensions and member sizes shown in the mount geometry verification requirements section of the mount analysis report. Contact EOR if these documents are not available to the general contractor.

2. Contractor to install safety climb cable guide (Site Pro 1, Part #: 120-203-317 or EOR approved equivalent) in locations where wire rope is rubbing against mount to tower attachments. Contractor to provided photos of safety climb cable guide installation.

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**

6/22/2021

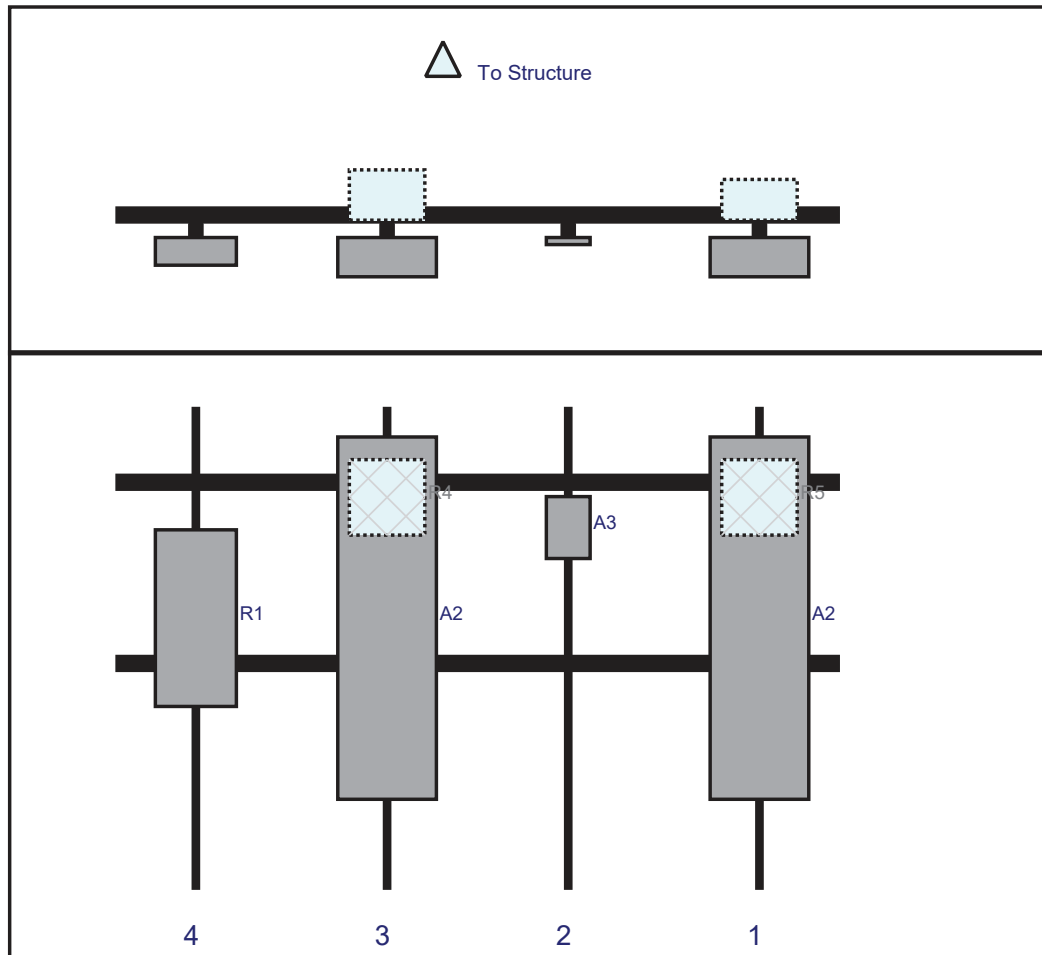
Structure Type: Monopole

10058858

Mount Elev: 139.00

Page: 1

Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	NNHH-65B-R4	72	19.6	128	1	a	Front	42	0	Retained	09/09/2020
R5	B5/B13 RRH-BR04C	15	15	128	1	a	Behind	18	0	Retained	09/09/2020
A3	XXDWMM-12.5-65-8T	12.3	8.7	90	2	a	Front	24	0	Retained	
A2	NNHH-65B-R4	72	19.6	54	3	a	Front	42	0	Retained	09/09/2020
R4	B2/B66A RRH-BR049	15	15	54	3	a	Behind	18	0	Retained	09/09/2020
R1	MT6407-77A	35.1	16.1	16	4	a	Front	42	0	Added	

Sector: **B**

6/22/2021

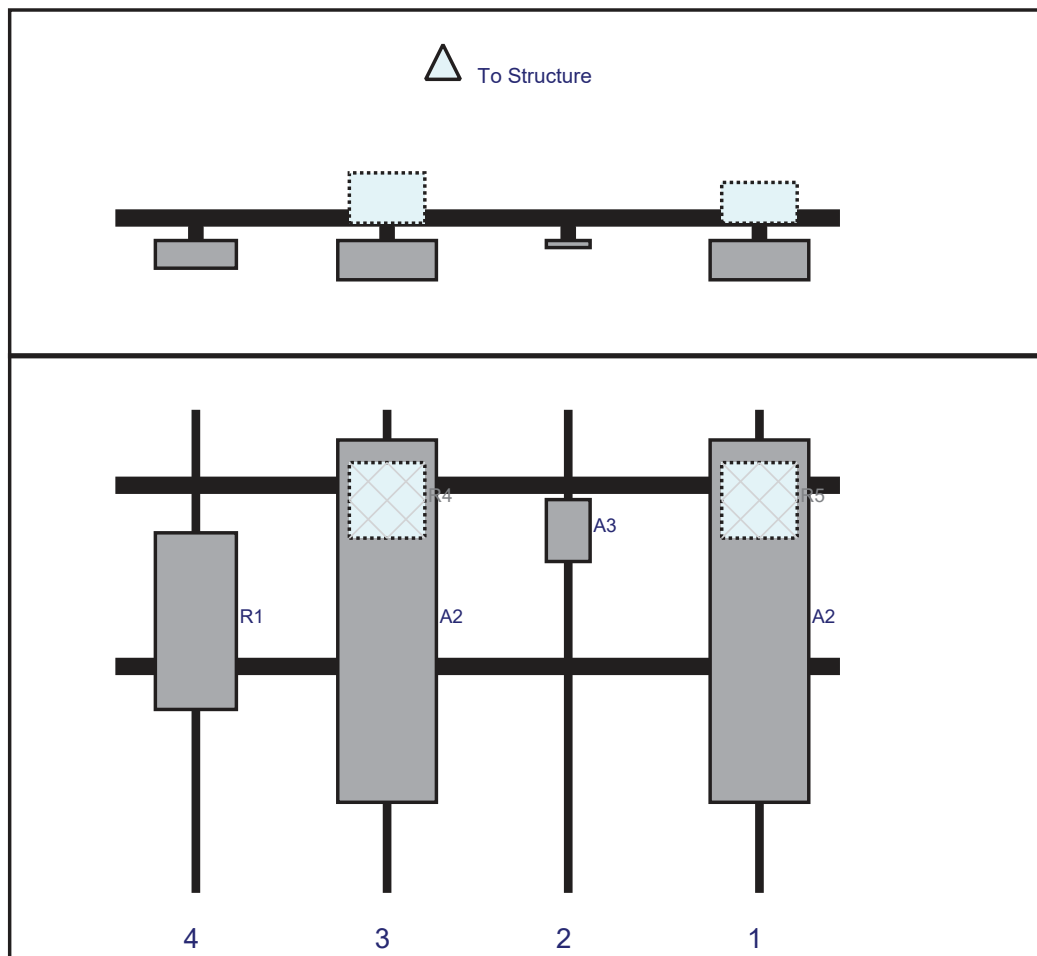
Structure Type: Monopole

10058858

Mount Elev: 139.00

Page: 2

Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	NNHH-65B-R4	72	19.6	128	1	a	Front	42	0	Retained	09/09/2020
R5	B5/B13 RRH-BR04C	15	15	128	1	a	Behind	18	0	Retained	09/09/2020
A3	XXDWMM-12.5-65-8T	12.3	8.7	90	2	a	Front	24	0	Retained	
A2	NNHH-65B-R4	72	19.6	54	3	a	Front	42	0	Retained	09/09/2020
R4	B2/B66A RRH-BR049	15	15	54	3	a	Behind	18	0	Retained	09/09/2020
R1	MT6407-77A	35.1	16.1	16	4	a	Front	42	0	Added	

Sector: C

6/22/2021

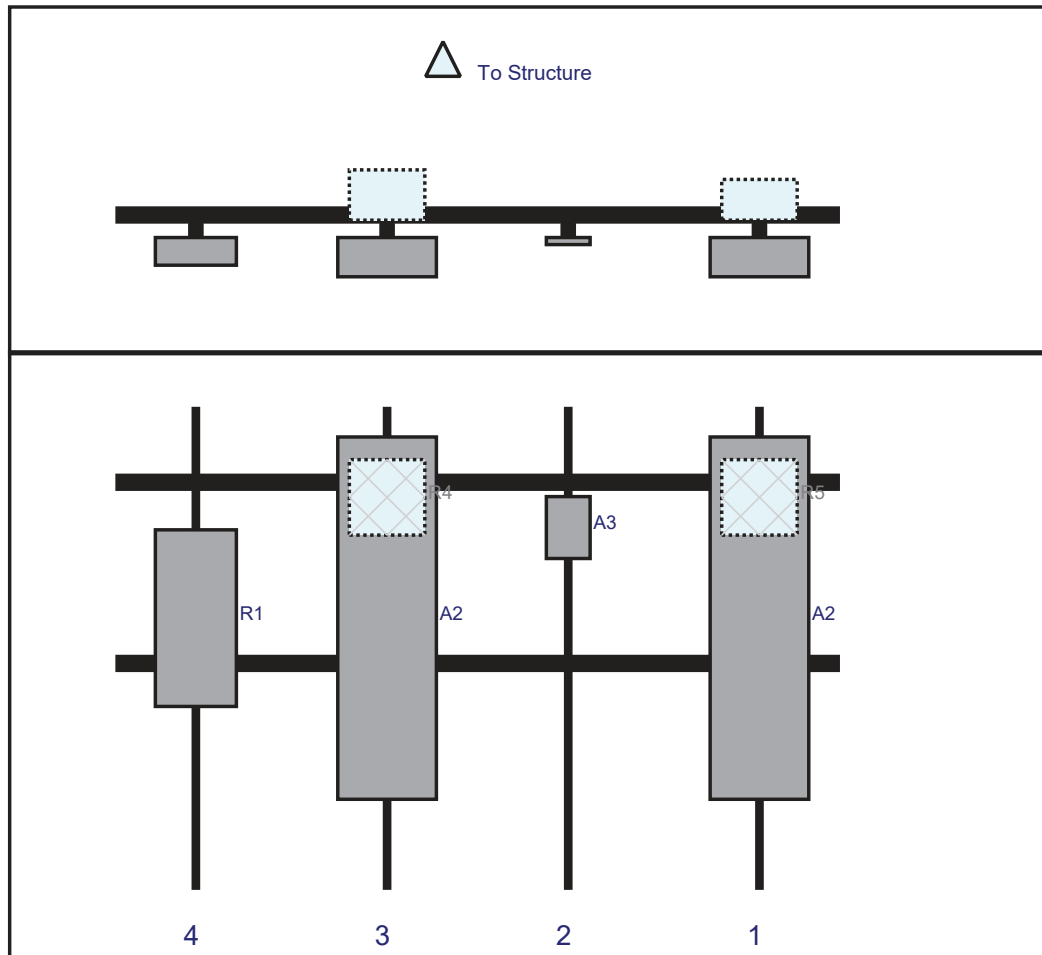
Structure Type: Monopole

10058858

Mount Elev: 139.00

Page: 3

Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	NNHH-65B-R4	72	19.6	128	1	a	Front	42	0	Retained	09/09/2020
R5	B5/B13 RRH-BR04C	15	15	128	1	a	Behind	18	0	Retained	09/09/2020
A3	XXDWMM-12.5-65-8T	12.3	8.7	90	2	a	Front	24	0	Retained	
A2	NNHH-65B-R4	72	19.6	54	3	a	Front	42	0	Retained	09/09/2020
R4	B2/B66A RRH-BR049	15	15	54	3	a	Behind	18	0	Retained	09/09/2020
R1	MT6407-77A	35.1	16.1	16	4	a	Front	42	0	Added	

Subject: *TIA-222-H Usage*

Site Information

<i>Site ID:</i>	<i>468400-VZW / ROCKY HILL EAST CT</i>
<i>Site Name:</i>	<i>ROCKY HILL EAST CT</i>
<i>Carrier Name:</i>	<i>Verizon Wireless</i>
<i>Address:</i>	<i>699 Old Main St</i> <i>Rocky Hill, Connecticut 06067</i> <i>Hartford County</i>
<i>Latitude:</i>	<i>41.668194°</i>
<i>Longitude:</i>	<i>-72.638000°</i>

Structure Information

<i>Tower Type:</i>	<i>148-Ft Monopole</i>
<i>Mount Type:</i>	<i>12.00-Ft Platform</i>

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. The 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 map 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 method, seismic analysis, 30-degree increment wind direction 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,

Justin Linette, PE
Sr. Technical Manager

Exhibit F

Power Density/RF Emissions Report

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

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	636	2544	140	0.0047	0.5007	0.93%
VZW CDMA	869	2	391	782	140	0.0014	0.5793	0.25%
VZW Cellular	869	4	752	3008	140	0.0055	0.5793	0.95%
VZW PCS	1980	4	1225	4900	140	0.0090	1.0000	0.90%
VZW AWS	2125	4	1197	4788	140	0.0088	1.0000	0.88%
VZW CBAND	3730	4	6531	26124	140	0.0479	1.0000	4.79%
VZW CBRS	3625	4	12	48	140	0.0001	1.0000	0.01%
Total Percentage of Maximum Permissible Exposure								8.71%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

14413

Network Building & Consulting LLC SA1177 Sentry Parkway West, VEVA 17, Suite 400
Blue Bell, PA 19422
(410)712-7092**TRUIST** BB&T is now Truist
65-330/550

CHECK DATE

10/13/2021

PAY

Six Hundred Twenty Five and 0/100 Dollars

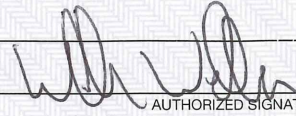
AMOUNT

\$625.00

TO

Connecticut Siting Council

Void After 6 Months


AUTHORIZED SIGNATURE

⑈00014413⑈+⑈055003308⑈1210000891825⑈

Network Building & Consulting LLC SA

14413

Network Building & Consulting, LLC

Check Date: 10/13/2021

Check Request#: CR010608

Project /Site ID: 100788/ 1063

Site Name: 827050

Purpose: Admin Zoning Fee

Memo 1: Building permit fee for Crown Castle 827050 APP 699 Old Main St., Rocky Hill, CT
06067

Please contact Ersilia Davis 551-804-0667, edavis@nbcllc.com with any questions

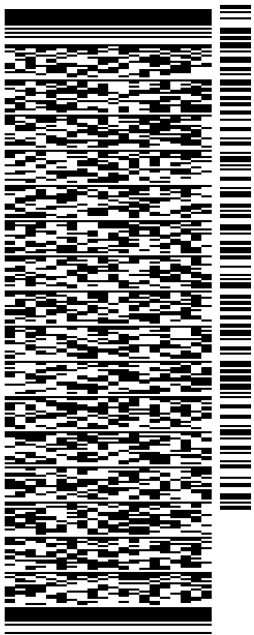
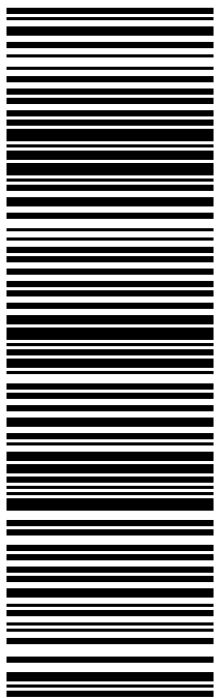
Memo 2:

Memo 3:

Memo 4:

14413



ORIGIN ID: QFMA (551) 804-0667 ERSILA DAVIS 1777 SENTRY PARKWAY VEVA 17, SUITE 210 BLUE BELL, PA 19422 UNITED STATES US	SHIP DATE: 14OCT21 ACTWGT: 1.00 LB CAD: 108980334INET4400 BILL SENDER
TO MELANIE A. BACHMAN CONNECTICUT SITING COUNCIL 10 FRANKLIN SQUARE	
NEW BRITAIN CT 06051 (860) 827-2935 REF: 100788/CSC 827050 INV: DEPT: PO:	
 	
TRK# 2848 9231 0125 0201	FRI - 15 OCT 10:30A PRIORITY OVERNIGHT
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56DJ3/14BA/FE4A

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