



Northeast Site Solutions
Denise Sabo
4 Angela's Way, Burlington CT 06013
203-435-3640
denise@northeastsitesolutions.com

December 8, 2021

Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Exempt Modification Application
240 Kensington Road, Berlin, CT 06037
Latitude: 41.626225
Longitude: -72.775652
Site #: 826217_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 240 Kensington Road, Berlin, CT 06037. Verizon Wireless currently maintains twelve (12) antennas at the 160-foot level of the existing 190-foot tower. The property is owned by the Town of Berlin and tower is owned by Crown Castle. Verizon now intends to replace three (3) antennas. The new antennas would be installed at the 160-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated September 7, 2021.

Verizon Planned Modifications:

Remove:

(2) RRFDC Pendant

Remove and Replace:

(2) HBXX-6517DSA2M Antennas (REMOVE) – (2) MT6407-77A Antennas (REPLACE)

(1) LNX-6514DSA1M Antenna (REMOVE) – (1) MT6407-77A Antenna (REPLACE)

Install New:

(1) Raycap OVP-12

(1) Hybrid Line

Existing to Remain:

(3) ANDREW Antennas

(6) COMMSCOPE Antennas

(3) SAMSUNG B5/B13 RRH

(3) SAMSUNG B2/B66A RRH

(12) 1-5/8" Coax

(2) Hybrid Lines

The facility was approved by the Town of Berlin Planning & Zoning Commission on December 10, 1998. Please see attached.



NSS **NORTHEAST**
SITE SOLUTIONS
Turnkey Wireless Development

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-72(b)(2), 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 Mayor Mark Kaczynski, Arosha Jayawickrema, Town Manager and Maureen Giusti, Acting Town Planner for the Town of Berlin. A copy is also being sent to the tower owner and property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modifications 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 Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

Denise Sabo
Mobile: 203-435-3640
Fax: 413-521-0558
Office: 4 Angela's Way, Burlington CT 06013
E-mail: denise@northeastsitesolutions.com



NSS

NORTHEAST
SITE SOLUTIONS

Turnkey Wireless Development

Attachments

Cc: Mayor Mark Kaczynski - Elected Official & Property Owner

Town of Berlin
240 Kensington Road,
Berlin, CT 06037

Arosha Jayawickrema - Town Manager

Town of Berlin
240 Kensington Road,
Berlin, CT 06037

Maureen Giusti - Acting Town Planner

Town of Berlin
240 Kensington Road,
Berlin, CT 06037

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

Town of Berlin

Department of Development Services

December 31, 1998

NOTICE OF DECISION

BERLIN PLANNING AND ZONING COMMISSION

Application: Special Permit
 Applicant: Omnipoint Communications, Inc.
 Location: Lot 29, Block 54, 240 Kensington Road

000047

At its Regular Meeting of December 10, 1998, the Berlin Planning and Zoning Commission voted four to two, with one abstention to approve the Special Permit of Omnipoint Communications for a 190' telecommunications tower at Lot 29, Block 54, 240 Kensington Road.

Town of Berlin
Owner of Record

RECEIVED
 AT 9 HR 15 MIN 7 AM
 JANUARY 7, 1999
 AND RECORDED IN
 BERLIN LAND RECORDS

Brian J. Miller
 Brian J. Miller, AICP
 Director of Development Services

VOL 415 PAGE 924
James G. Vail
 TOWN CLERK

Visit Our Web Site: <http://www.edc.ci.berlin.ct.us>

Town of Berlin, Connecticut • Planning and Zoning Commission
240 Kensington Road • Berlin, CT 06037 • (860) 828-7060 • Fax (860) 828-7180

Exhibit B

Property Card



Town of Berlin, CT

Property Listing Report

Map Block Lot

9-3-54-29-8026

Building # 1

PID

8026

Account

1101150

Property Information

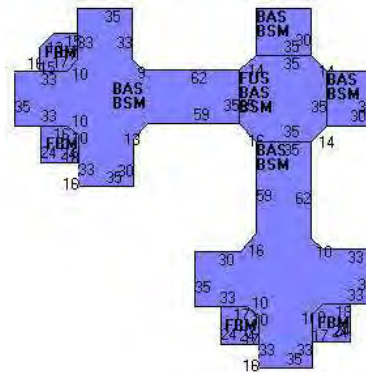
Property Location	240 KENSINGTON RD
Owner	BERLIN TOWN OF
Co-Owner	TOWN HALL COMPLEX
Mailing Address	240 KENSINGTON ROAD KENSINGTON CT 06037
Land Use	903I Municipal MDL-96
Land Class	E
Zoning Code	R-15
Census Tract	4003

District	1
Acreage	25.1
Utilities	All Public
Book / Page	0165/0370

Photo



Sketch



Primary Construction Details

Year Built	1975
Building Desc.	Municipal MDL-94
Building Style	Other Municip
Stories	1
Occupancy	1.00
Exterior Walls	Brick Veneer
Exterior Walls 2	
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Drywall/Plaste
Interior Walls 2	
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Oil/Gas
Heating Type	Hot Water
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	
Kitchen Style	
Fin BSMT Area	
Fin BSMT Quality	
Fin BSMT Area 2	
Fin BSMT Qual 2	

BSMT Garages	0
Fireplaces	0
Whirlpool Tub	0
Building Use	Comm/Ind
Building Condition	G
Industrial / Commercial Details (*Residential Not Applicable)	
Heat / AC	HEAT/AC PKGS
Frame Type	MASONRY
Baths / Plumbing	AVERAGE
Ceiling / Wall	SUS-CEIL & WL
Rooms / Prtns	AVERAGE
Wall Height	10
First Floor Use	903I



Town of Berlin, CT

Property Listing Report

Map Block Lot

9-3-54-29-8026

Building #

2

PID

8026

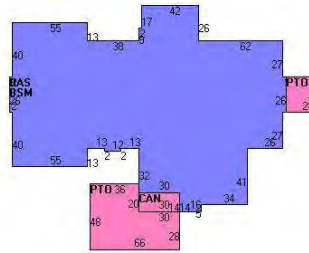
Account

1101150

Photo



Sketch



Primary Construction Details

Year Built	1988
Building Desc.	Comm/Ind
Building Style	Other Municip
Stories	1
Occupancy	1.00
Exterior Walls	Brick Veneer
Exterior Walls 2	
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Drywall/Plaste
Interior Walls 2	
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Oil/Gas
Heating Type	Hot Water
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	
Kitchen Style	
Fin BSMT Area	
Fin BSMT Qual	
Fin BSMT Area 2	
Fin BSMT Qual 2	

BSMT Garages	0
Fireplaces	0
Whirlpool Tubs	0
Building Use	Municipal MDL-94
Building Condition	G
Industrial / Commercial Details (*Residential Not Applicable)	
Heat / AC	HEAT/AC PKGS
Frame Type	MASONRY
Baths / Plumbing	AVERAGE
Ceiling / Wall	SUS-CEIL & WL
Rooms / Prtns	AVERAGE
Wall Height	10
First Floor Use	903I

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	21704	21704
Patio	3192	0
Basement	21704	0
Canopy Attached	420	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	47020	21704



Exhibit C

Construction Drawings



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



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



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

VERIZON WIRELESS SITE NUMBER: 535818

VERIZON WIRELESS

SITE NAME:

SITE TYPE:

TOWER HEIGHT:

BERLIN
KENSINGTON CT
MONOPOLE
191'-6"

BUSINESS UNIT #: 826217

SITE ADDRESS:

COUNTY:

JURISDICTION:

240 KENSINGTON ROAD
BERLIN, CT 06037

HARTFORD

CONNECTICUT

SITING COUNCIL

VERIZON WIRELESS MODIFICATION 16241850

SITE INFORMATION

CROWN CASTLE USA INC. NEWINGTON_1
SITE NAME:
SITE ADDRESS: 240 KENSINGTON ROAD
BERLIN, CT 06037
COUNTY: HARTFORD
MAP/PARCEL #: 9-3-54-29
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 41.626194
LONGITUDE: -72.775647
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 119'
CURRENT ZONING: R-15
JURISDICTION: CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION
PROPERTY OWNER: TOWN OF BERLIN
240 KENSINGTON ROAD
KENSINGTON, CT 06037
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: VERIZON WIRELESS WIRELESS
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921
ELECTRIC PROVIDER: NORTHEAST UTILITIES
TELCO PROVIDER: T.B.D

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 22X34. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE
_____	_____
_____	_____
_____	_____
_____	_____

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR	
PROJECT NUMBER	10100417
VzW LOCATION CODE (PSLC)	535818

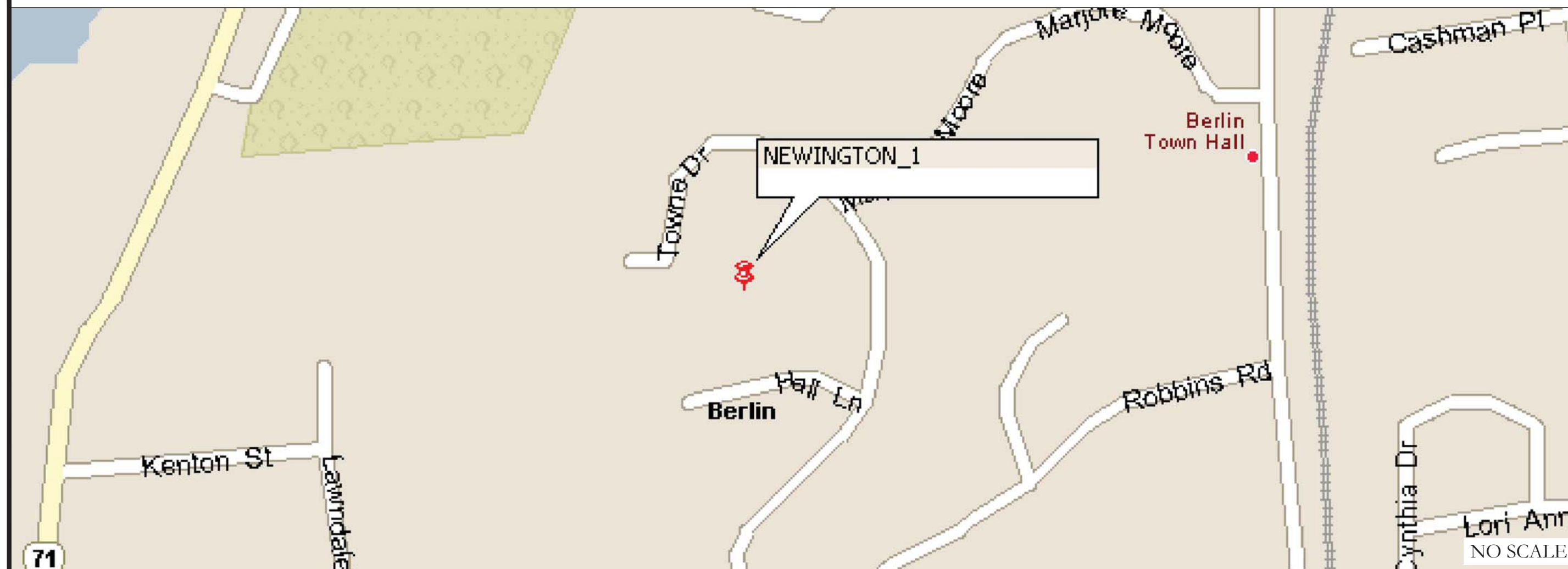
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y
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VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT:
TAKE I-91 S, I-84 AND CT-9 S TO CHRISTIAN LN IN BERLIN. TAKE EXIT 23 FROM CT-9 S CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON. CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON, TAKE THE EXIT ONTO I-91 S TOWARD HARTFORD. TAKE EXIT 32A-32B FOR I-84 W TOWARD WATERBURY, TAKE EXIT 39A FOR CT-9 S TOWARD NEWINGTON/NEW BRITAIN, CONTINUE ONTO CT-9 S. TAKE EXIT 23 FOR CHRISTIAN LN TOWARD BERLIN. TAKE PORTERS PASS AND BURNHAM ST TO MARJORIE MOORE, TURN RIGHT ONTO CHRISTIAN LN, CONTINUE ONTO PORTERS PASS, CONTINUE ONTO BURNHAM ST. BURNHAM ST TURNS LEFT AND BECOMES 4 ROD RD, TURN RIGHT ONTO CAMELS BACK, TURN LEFT ONTO KENSINGTON RD, TURN RIGHT ONTO MARJORIE MOORE.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	MORRISON HERSHFIELD
DATED:	10/6/21
MOUNT ANALYSIS:	MASER CONSULTING
DATED:	9/7/21
RFDS REVISION:	1
DATED:	8/27/21
ORDER ID:	589572
REVISION:	0

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (3) ANTENNAS
- REMOVE (2) PENDANTS
- REMOVE (2) 6X12 HYBRIFLEX CABLES
- INSTALL (3) ANTENNAS
- INSTALL (1) OVP-12 PENDANT
- INSTALL (1) 12X24 HYBRIFLEX CABLE
- INSTALL (1) KICKER KIT
- INSTALL (3) SUPPORT RAIL CORNER BRACKET
- INSTALL (3) SUPPORT RAIL

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

VERIZON WIRELESS SITE NUMBER: 535818

BU #: 826217
NEWINGTON_1

240 KENSINGTON ROAD
BERLIN, CT 06037

EXISTING 191'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/10/21	JJR	CONSTRUCTION	JJR



B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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SHEET NUMBER:

T-1

REVISION:

0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 1. NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.

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.

GENERAL NOTES:

- 1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION CARRIER: VERIZON WIRELESS TOWER OWNER: CROWN CASTLE USA INC.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.

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.

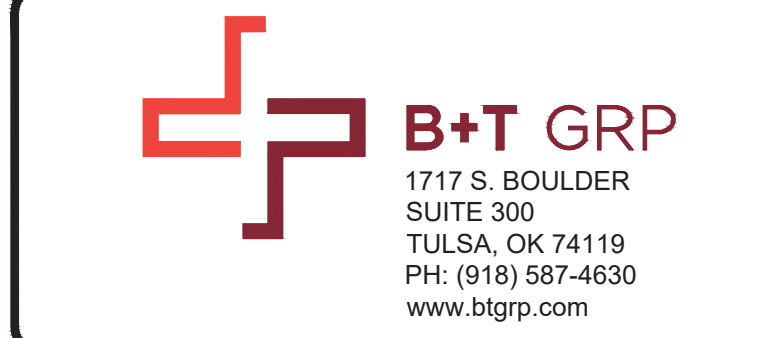
Table with 3 columns: SYSTEM, CONDUCTOR, COLOR. Lists conductor color codes for 120/240V, 120/208V, 277/480V, and DC VOLTAGE.

APWA UNIFORM COLOR CODE:

- WHITE PROPOSED EXCAVATION
PINK TEMPORARY SURVEY MARKINGS
RED ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES

ABBREVIATIONS:

- ANT ANTENNA
(E) EXISTING
FIF FACILITY INTERFACE FRAME
GEN GENERATOR



VERIZON WIRELESS SITE
NUMBER: 535818
BU #: 826217
NEWINGTON_1
240 KENSINGTON ROAD
BERLIN, CT 06037

EXISTING 191'-6" MONOPOLE

Table with 5 columns: REV, DATE, DRWN, DESCRIPTION, DES./QA. Shows revision 0 on 11/10/21.

Table with 2 columns: Color, Description. Lists colors for proposed excavation, temporary survey markings, electric power lines, gas/oil/steam, communication, potable water, reclaimed water, and sewers.



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SHEET NUMBER: T-2
REVISION: 0

verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE

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

B+T GRP

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

VERIZON WIRELESS SITE
NUMBER:
535818

BU #: 826217
NEWINGTON_1

240 KENSINGTON ROAD
BERLIN, CT 06037

EXISTING 191'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/10/21	JJR	CONSTRUCTION	JJR



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Expires 2/10/22

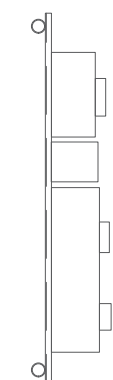
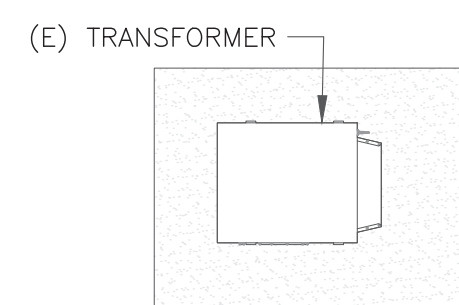
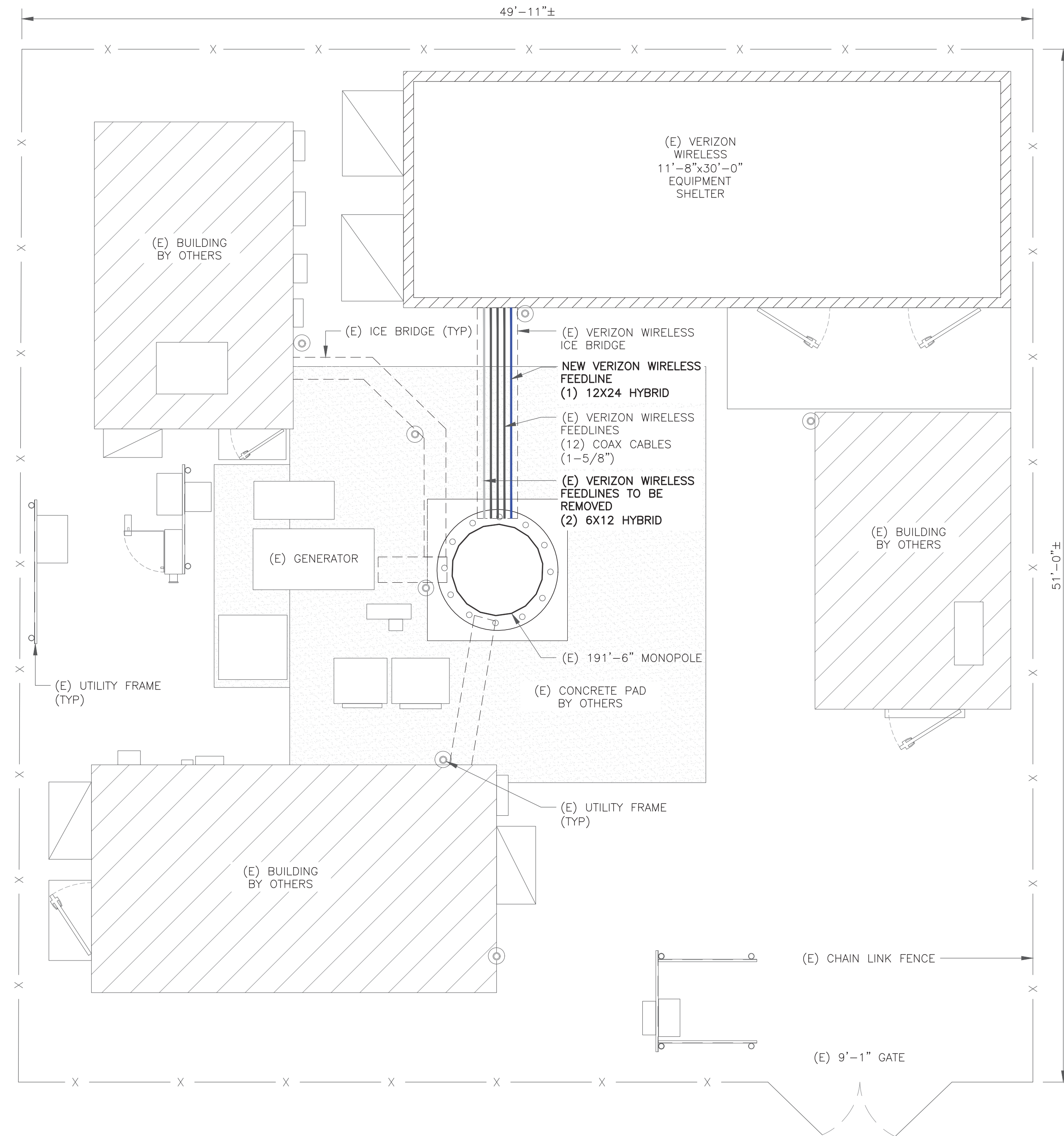
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SHEET NUMBER:

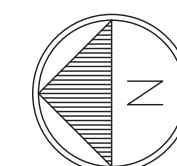
C-1

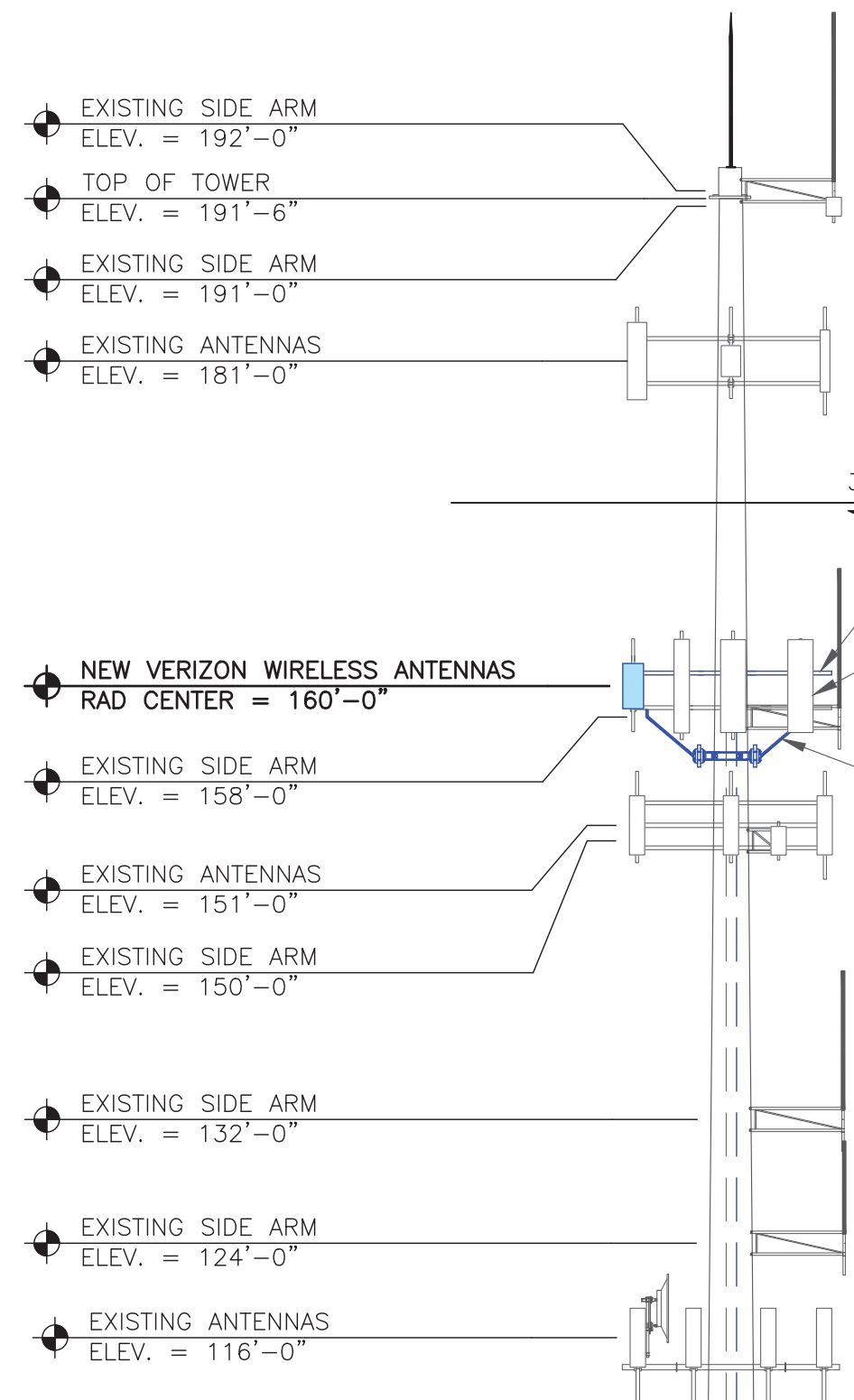
REVISION:

0



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





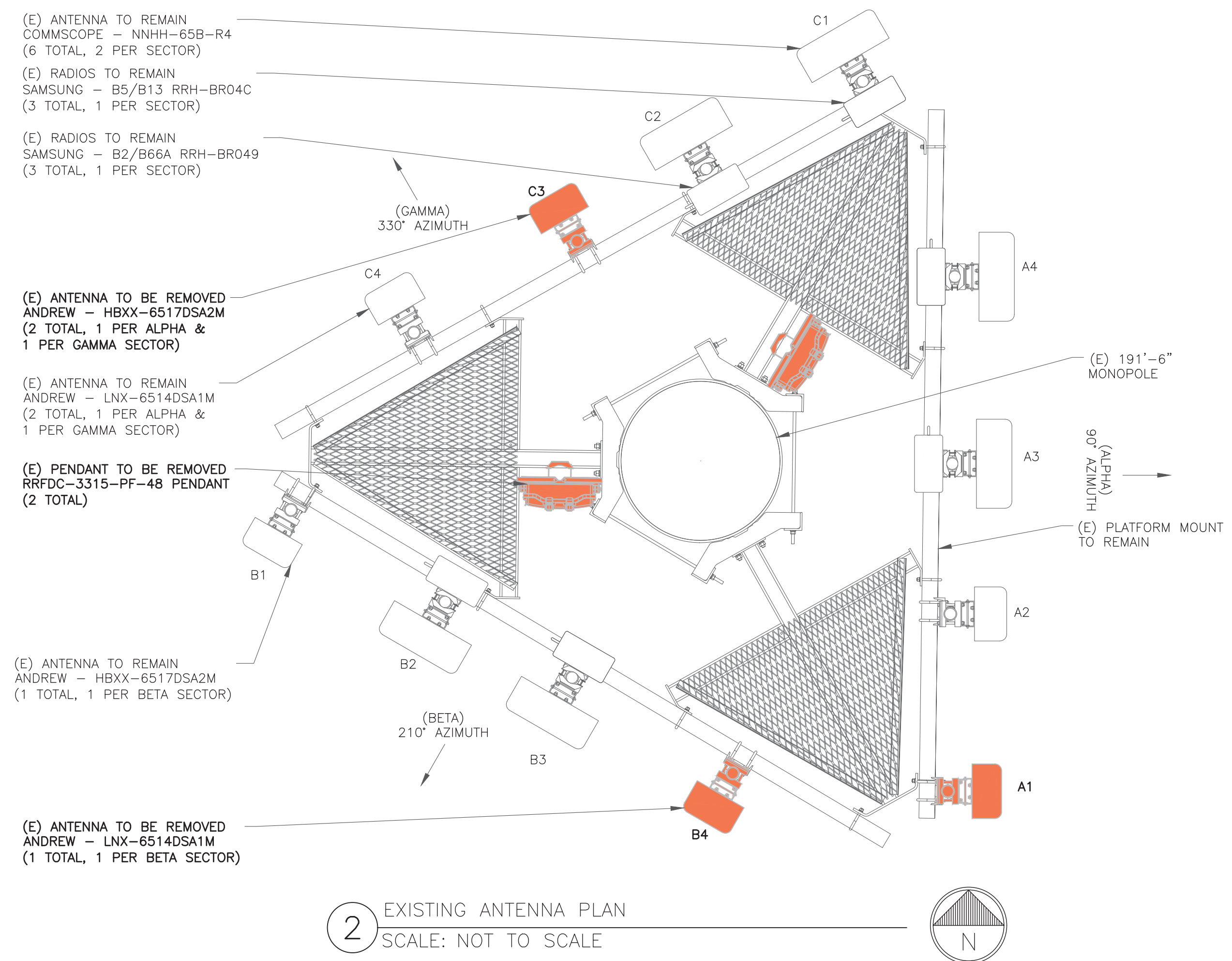
- NEW VERIZON WIRELESS MOUNT MODIFICATIONS**
- (3) PROPOSED SUPPORT RAIL CORNER BRACKET
 - (1) PROPOSED KICKER KIT
 - (3) SUPPORT RAIL INSTALLED ON EXISTING MOUNTS
- (E) VERIZON WIRELESS EQUIPMENT**
- (2) ANDREW - LNX-6514DSA1M
 - (1) ANDREW - HBXX-6517DSA2M
 - (6) COMMSCOPE - NNHH-65B-R4
 - (3) SAMSUNG - B5/B13 RRH-BR04C
 - (3) SAMSUNG - B2/B66A RRH-BR049
- NEW VERIZON WIRELESS EQUIPMENT**
- (3) SAMSUNG - MT6407-77A ANTENNAS
 - (1) OVP-12 PENDANT INSTALLED ON EXISTING MOUNTS

VERIZON WIRELESS EQUIPMENT

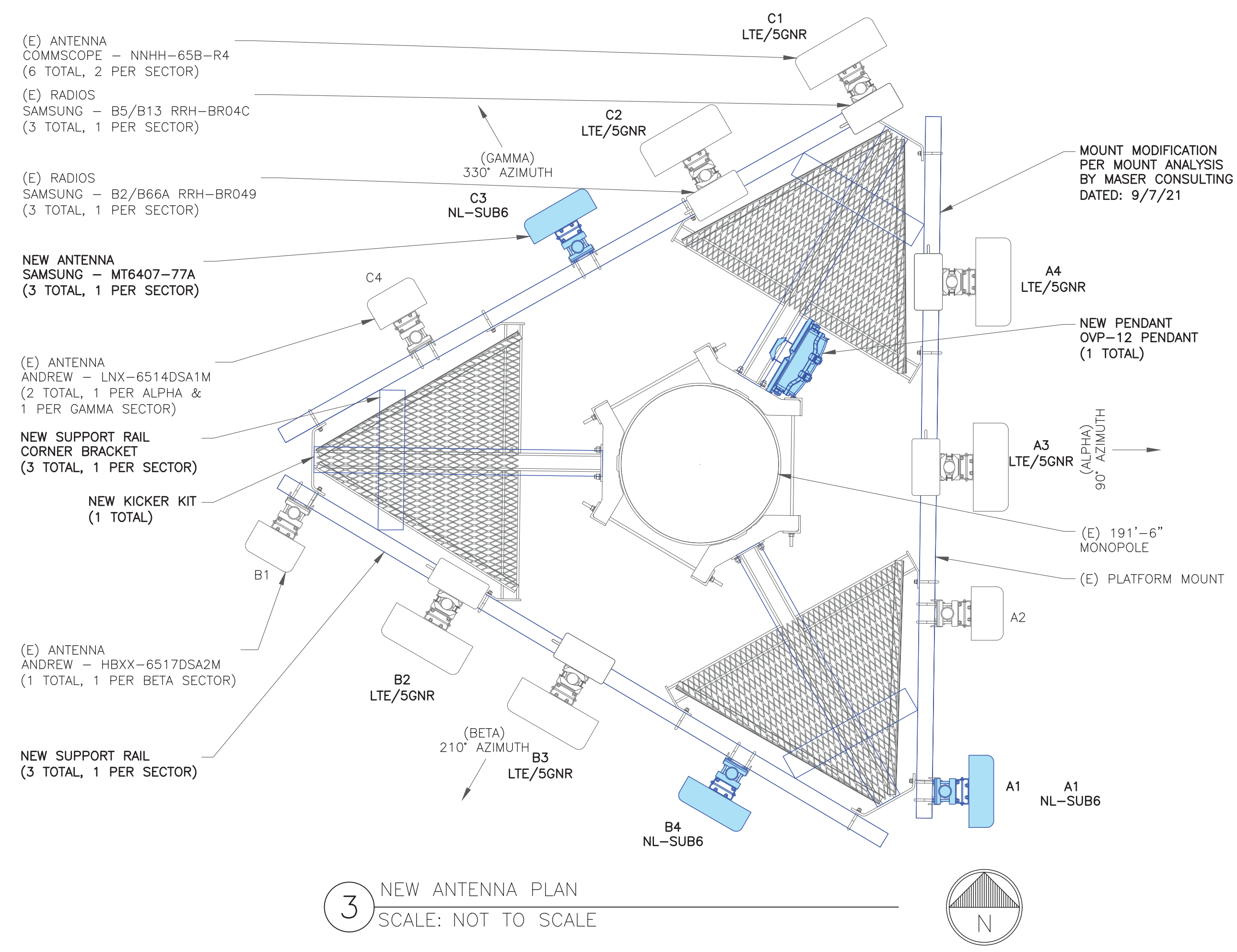
ANTENNA CL: 160'-0"

MOUNT CL: 160'-0"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE

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CLIFTON PARK, NY 12065

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SHEET NUMBER: **C-2** REVISION: **0**

87581.028.01_NEWINGTON_1.dwg - SheetC-2 - User: jr Richardson - Nov. 10, 2021 - 3:59pm



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



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



1717 S. BOULDER
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SHEET NUMBER: REVISION:

C-3 **0**

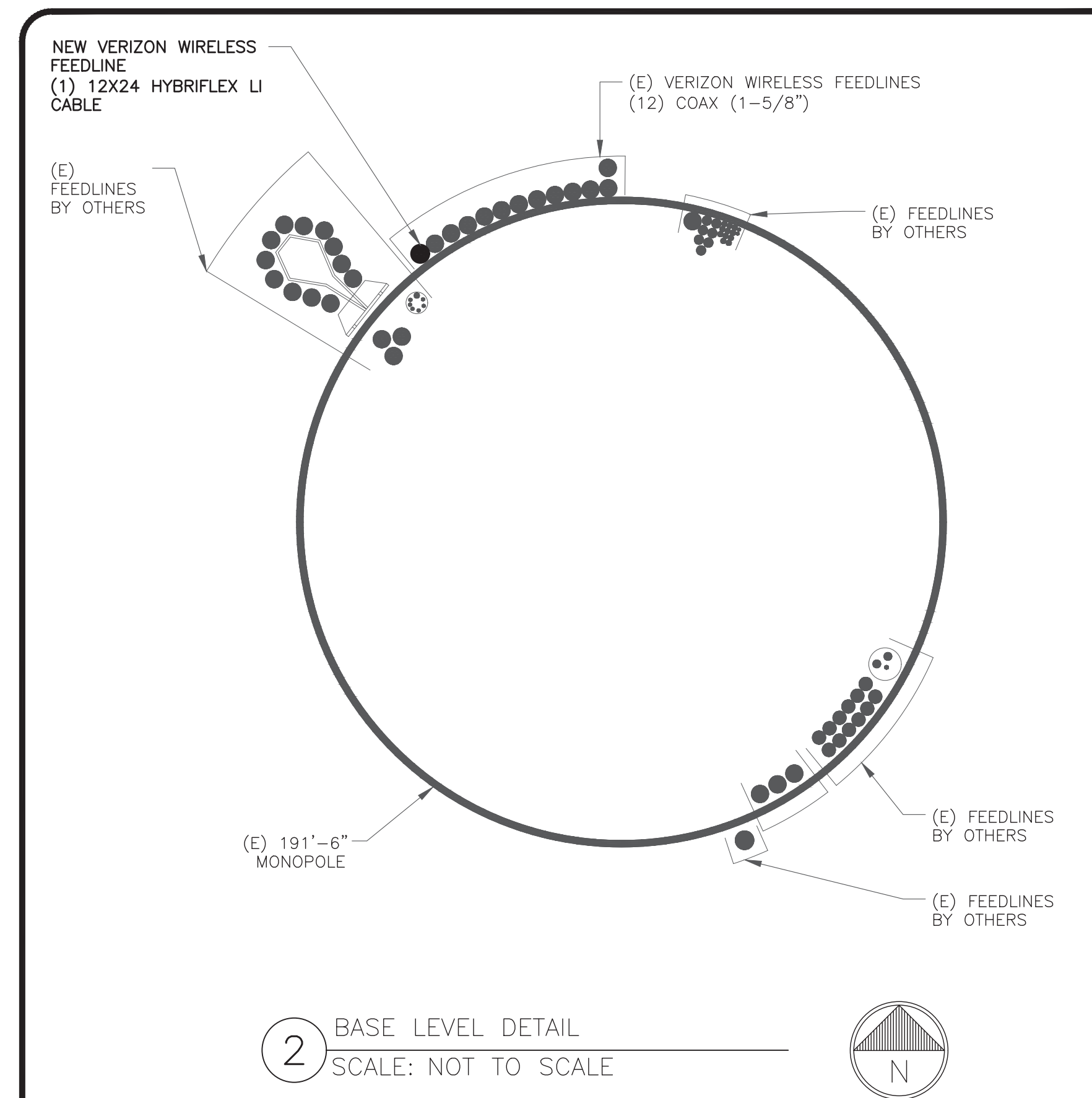
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	160'-0"	90°	0'	6'	-	-
A2	EXISTING	ANDREW	LNx-6514DSA1M	160'-0"	90°	-	-	-	(1) OVP-12 PENDANT
A3	EXISTING	COMMSCOPE	NNHH-65B-R4	160'-0"	90°	0'	9' / 2" / 9' / 3"	SAMSUNG	(1) B5/B13 RRH-BR04C
A4	EXISTING	COMMSCOPE	NNHH-65B-R4	160'-0"	90°	0'	9' / 2" / 9' / 3"	SAMSUNG	(1) B2/B66A RRH-BR049
B1	EXISTING	ANDREW	ANDREW - HBXX-6517DSA2M	160'-0"	210°	-	-	-	-
B2	EXISTING	COMMSCOPE	NNHH-65B-R4	160'-0"	210°	0'	4' / 2" / 4' / 2"	SAMSUNG	(1) B5/B13 RRH-BR04C
B3	EXISTING	COMMSCOPE	NNHH-65B-R4	160'-0"	210°	0'	4' / 2" / 4' / 2"	SAMSUNG	(1) B2/B66A RRH-BR049
B4	NEW	SAMSUNG	MT6407-77A	160'-0"	210°	0'	6'	-	-
C1	EXISTING	COMMSCOPE	NNHH-65B-R4	160'-0"	330°	0'	8' / 3" / 8' / 3"	SAMSUNG	(1) B5/B13 RRH-BR04C
C2	EXISTING	COMMSCOPE	NNHH-65B-R4	160'-0"	330°	0'	8' / 3" / 8' / 3"	SAMSUNG	(1) B2/B66A RRH-BR049
C3	NEW	SAMSUNG	MT6407-77A	160'-0"	330°	0'	6'	-	-
C4	EXISTING	ANDREW	LNx-6514DSA1M	160'-0"	330°	-	-	-	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	210'-0"±	12
NEW	HYBRID	12X24	-	1
TOTAL CABLE QTY:				13



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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VERIZON WIRELESS SITE
NUMBER:
535818

BU #: **826217**
NEWINGTON_1

240 KENSINGTON ROAD
BERLIN, CT 06037

EXISTING 191'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/10/21	JJR	CONSTRUCTION	JJR



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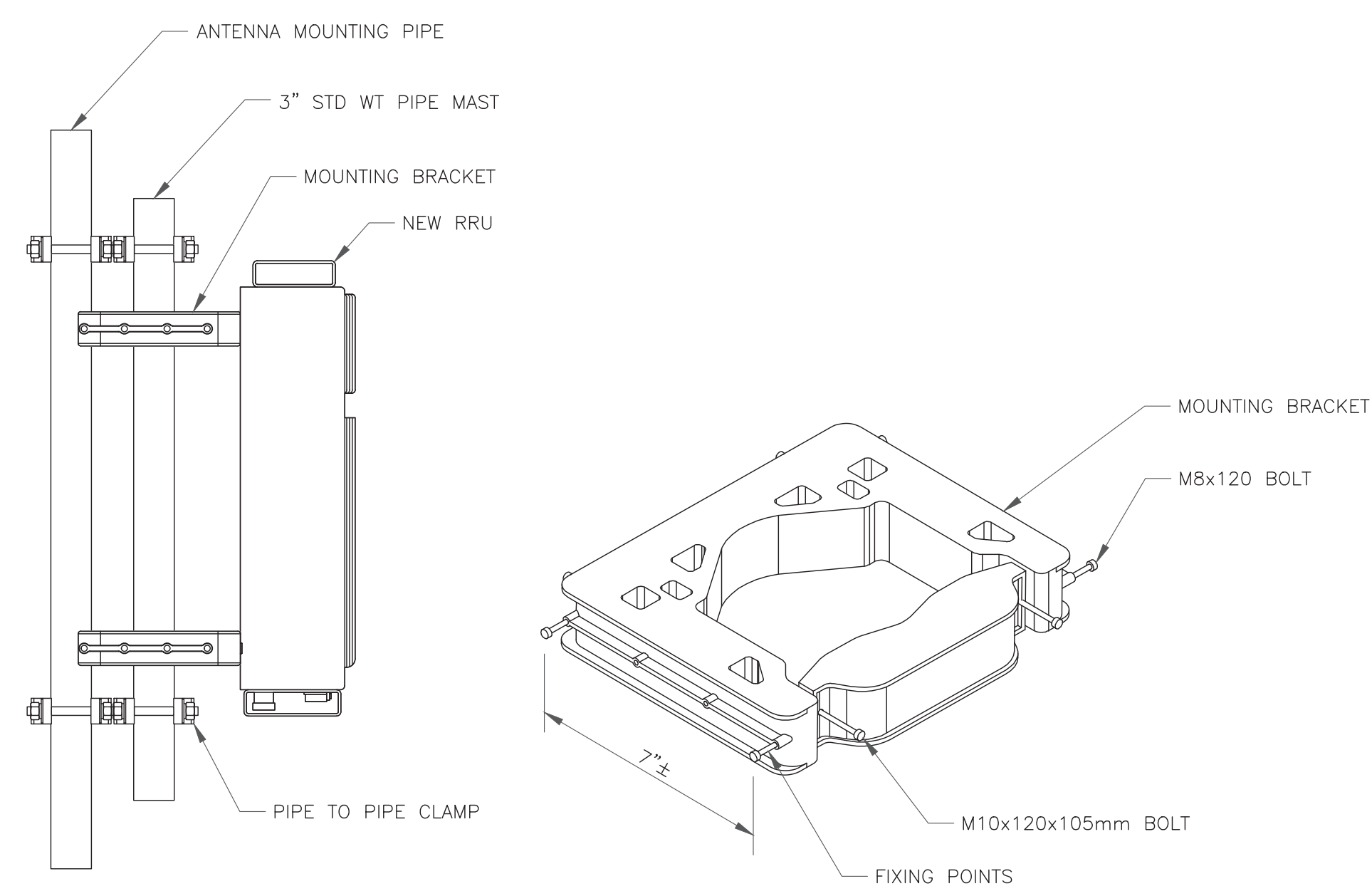
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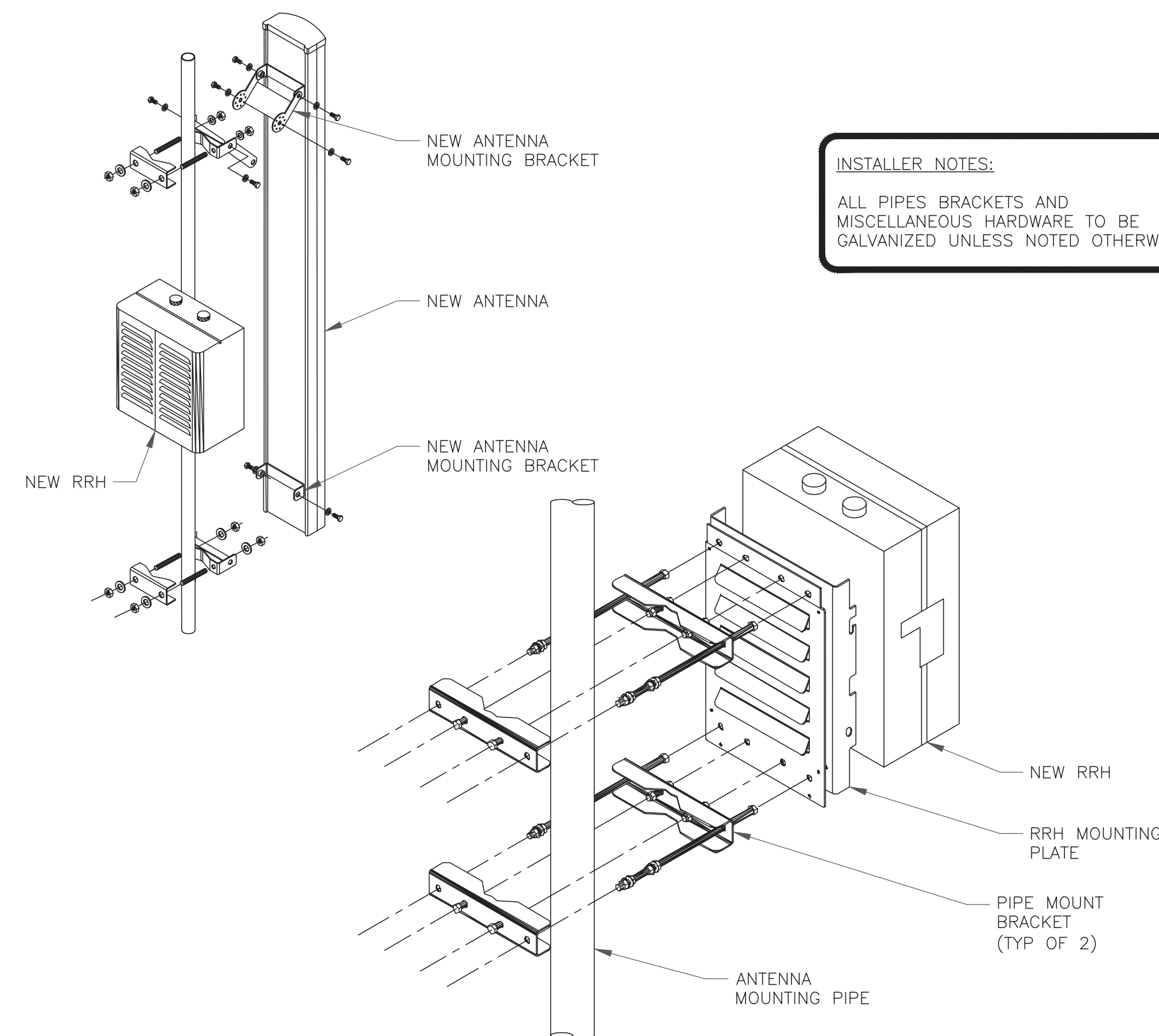
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1 NOT USED
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

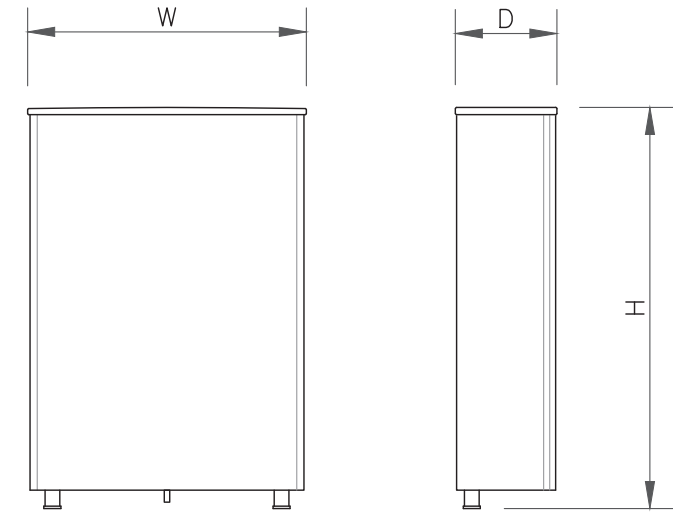


3 NOKIA - FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE



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

1 ANTENNA
SCALE: NOT TO SCALE



PENDANT SPECS	
MANUFACTURER	RAYCAP
MODEL #	OVP-12 PENDANT
WIDTH	15.73"
DEPTH	10.31"
HEIGHT	28.93"
WEIGHT	32.0 LBS

2 PENDANT
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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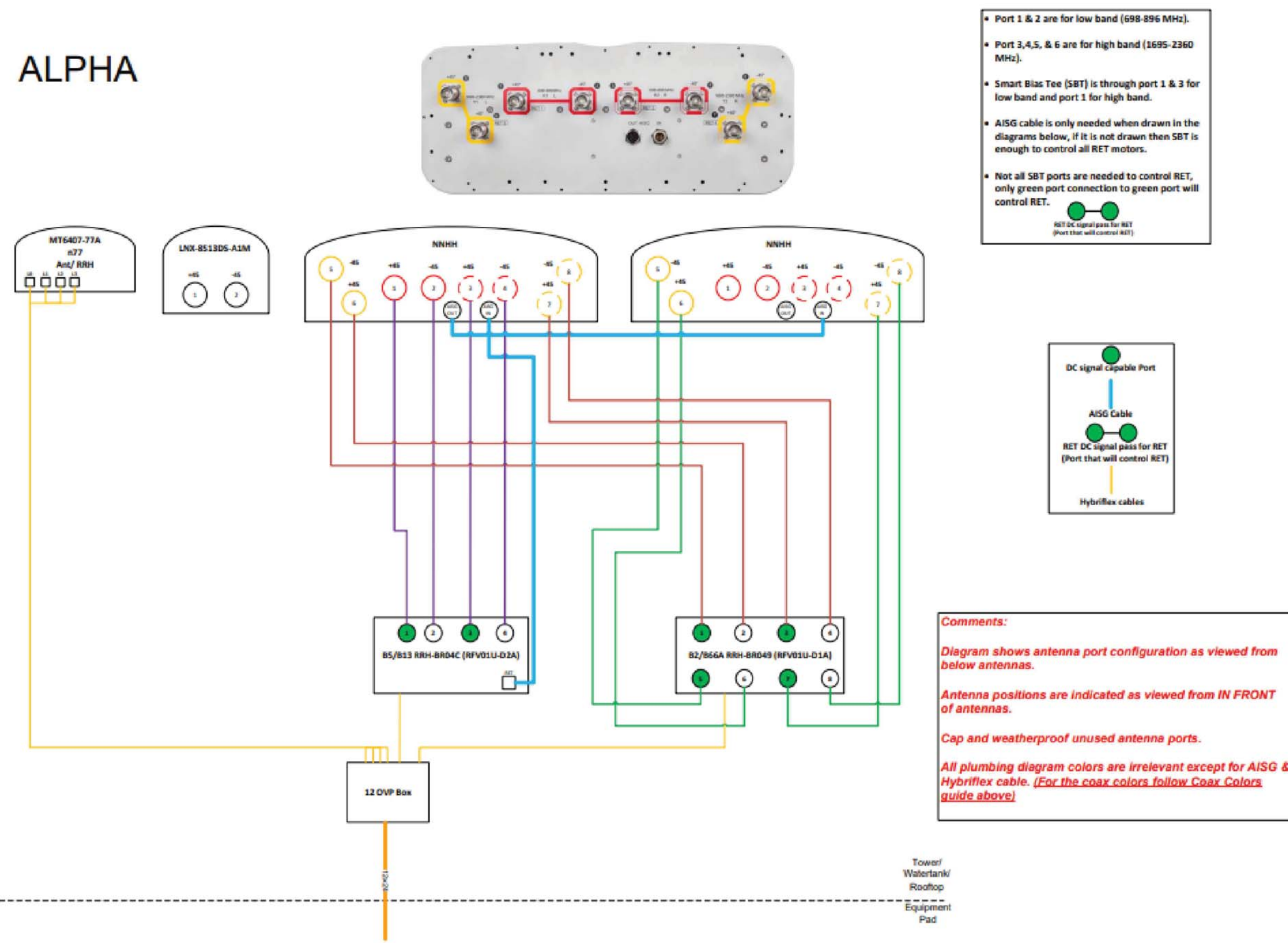
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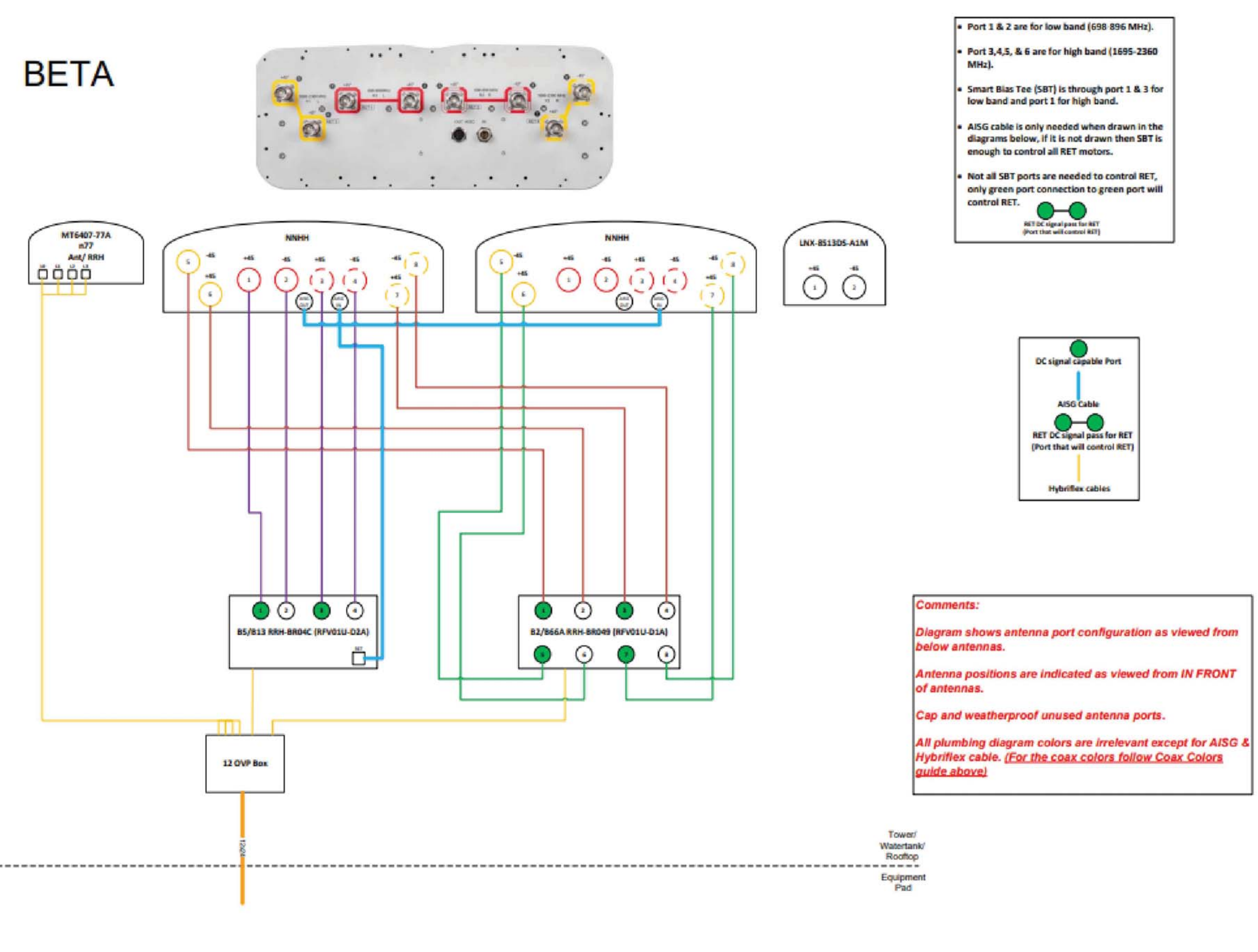
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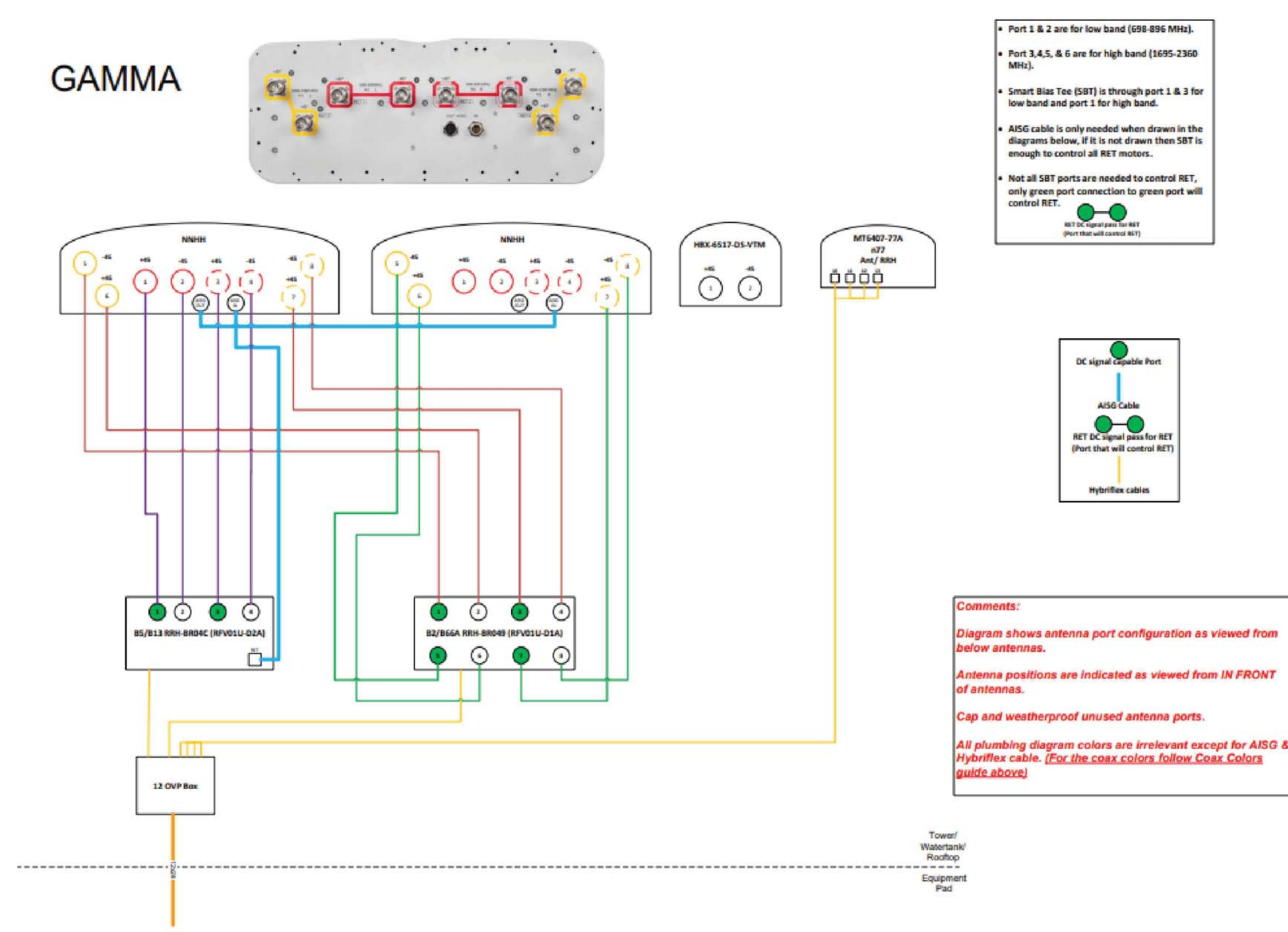
ALPHA



BETA



GAMMA



1 PLUMBING DIAGRAM
 SCALE: NOT TO SCALE

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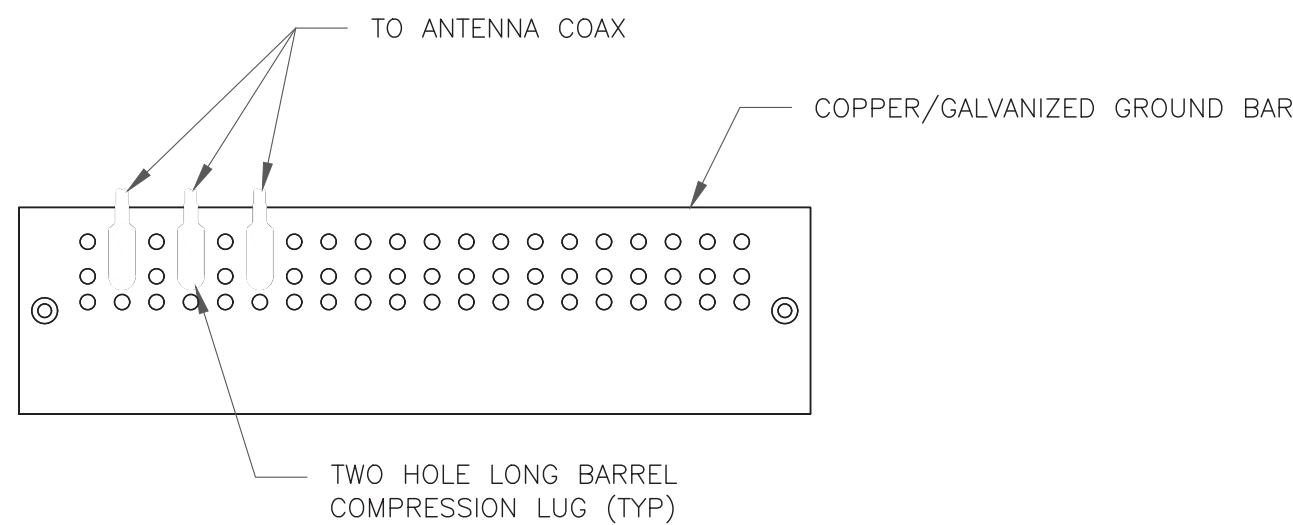
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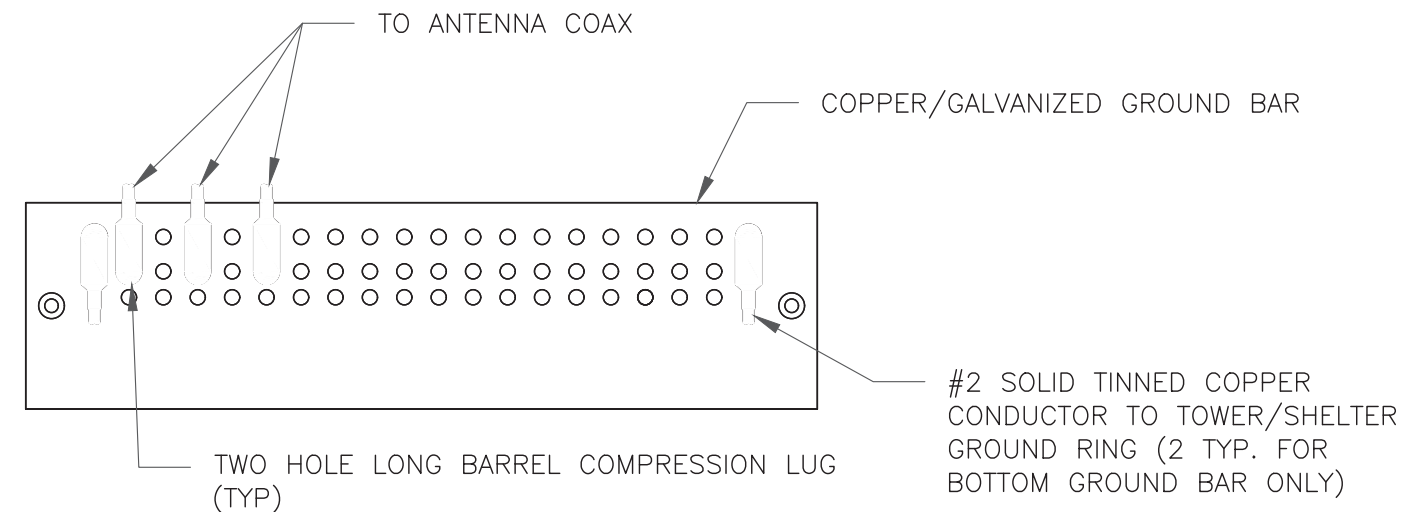
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NOTES:

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

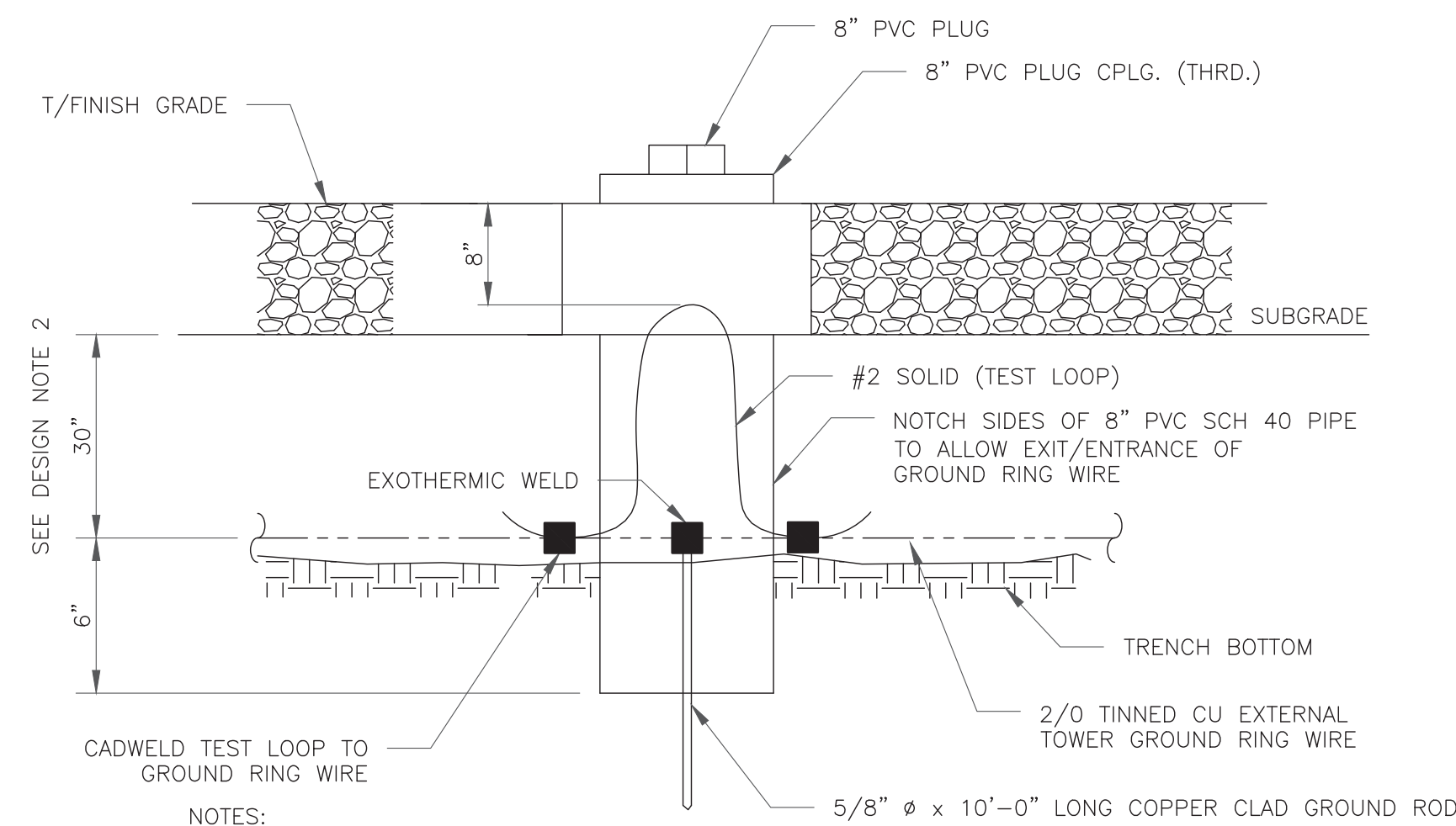
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

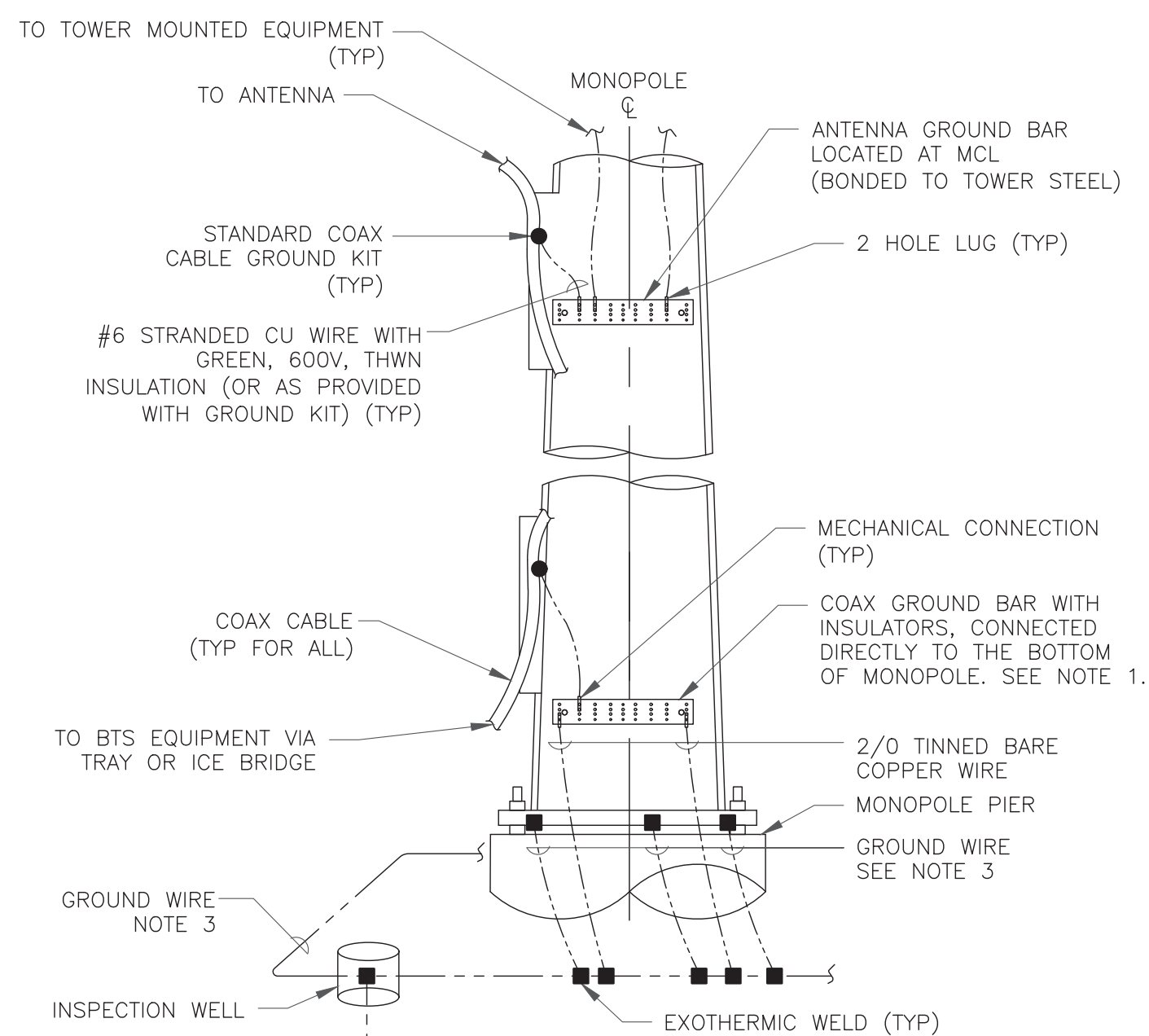
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

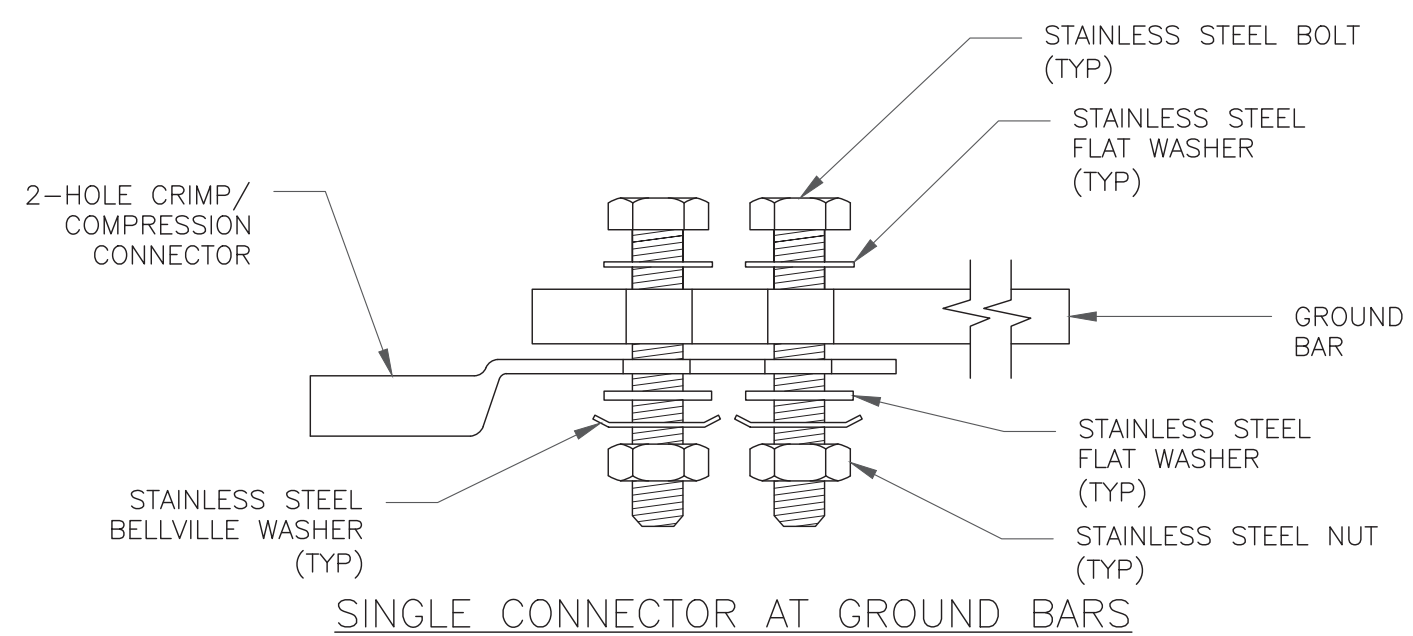
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



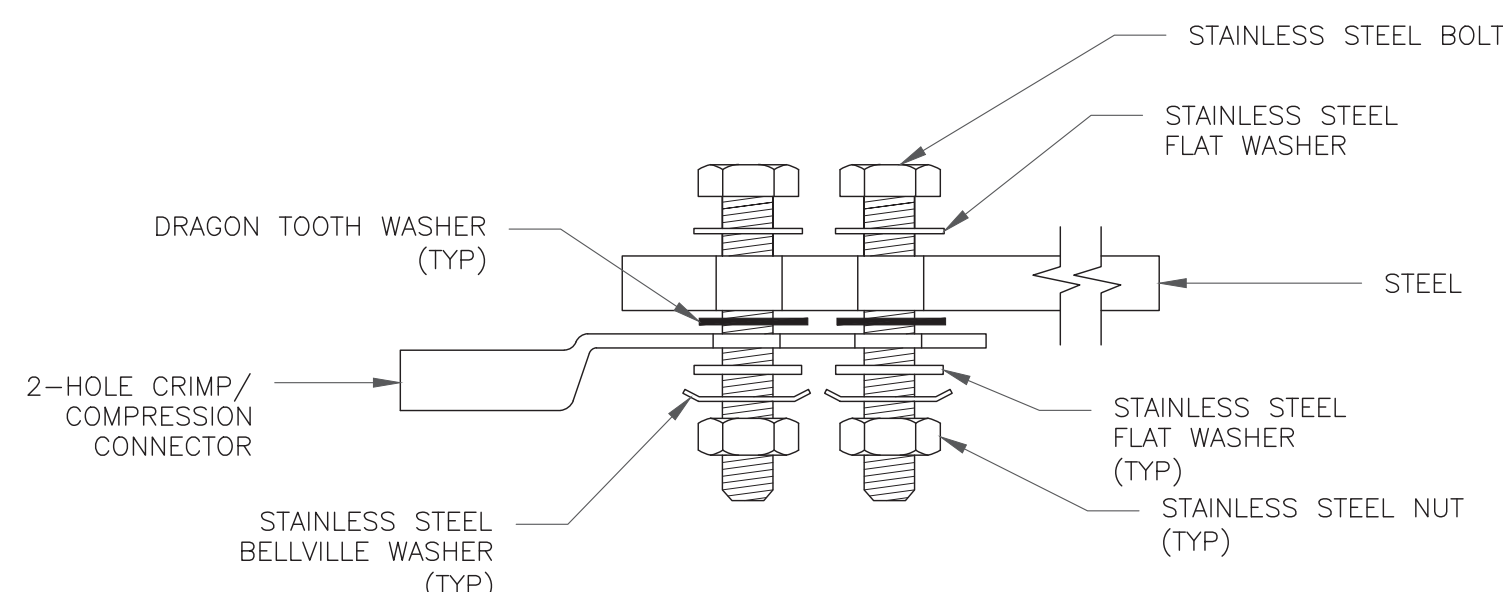
NOTES:

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

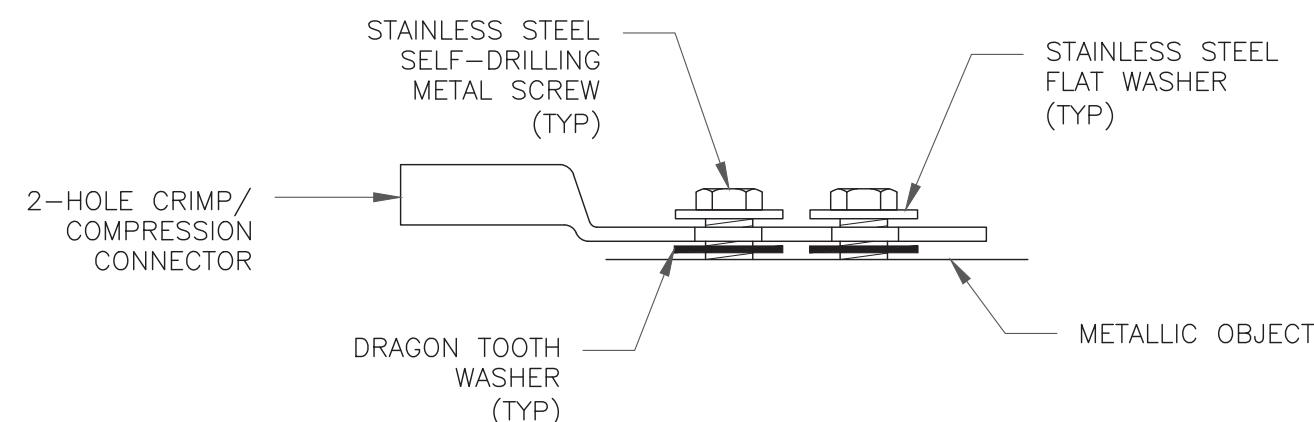
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

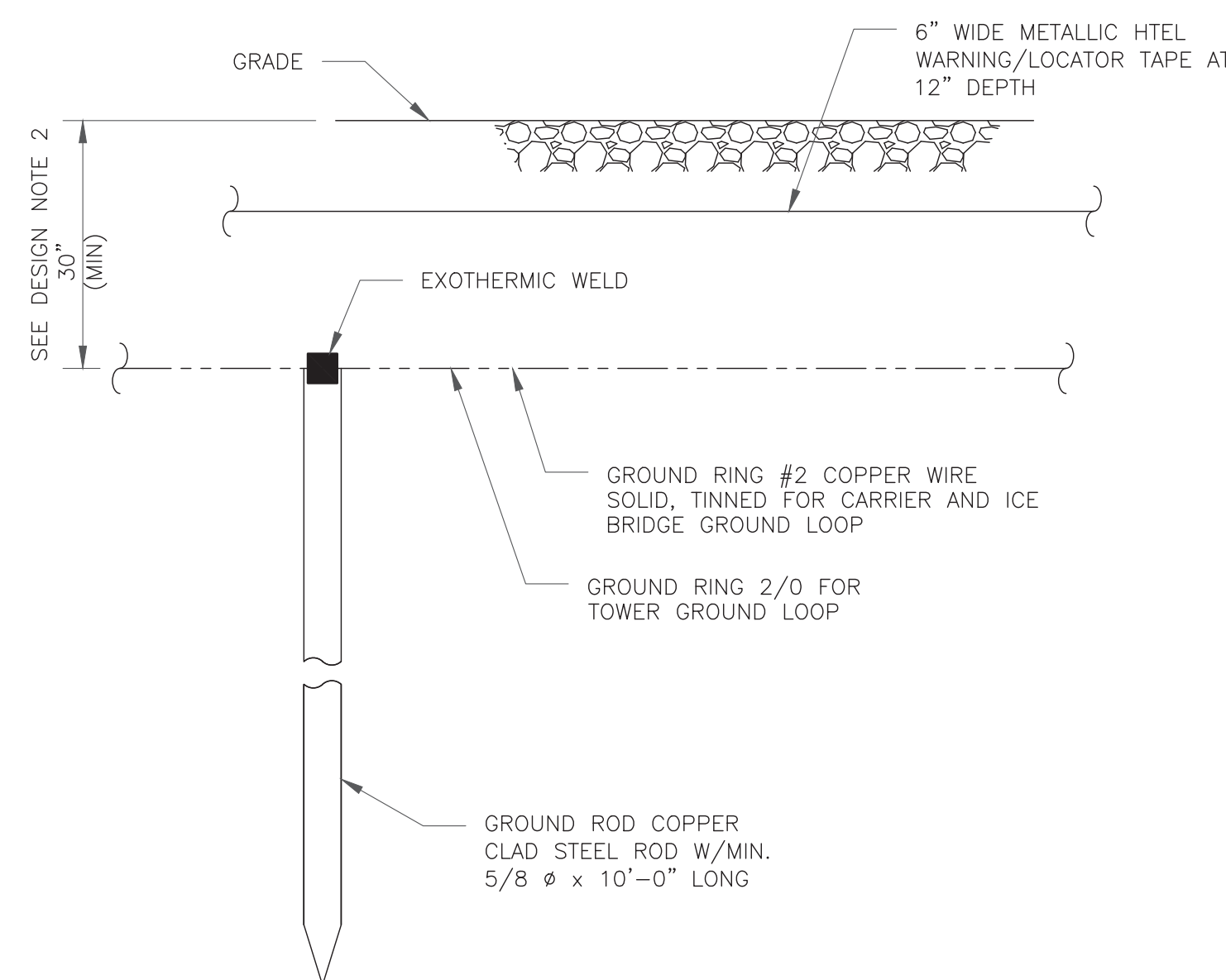


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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BU #: 826217
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EXISTING 191'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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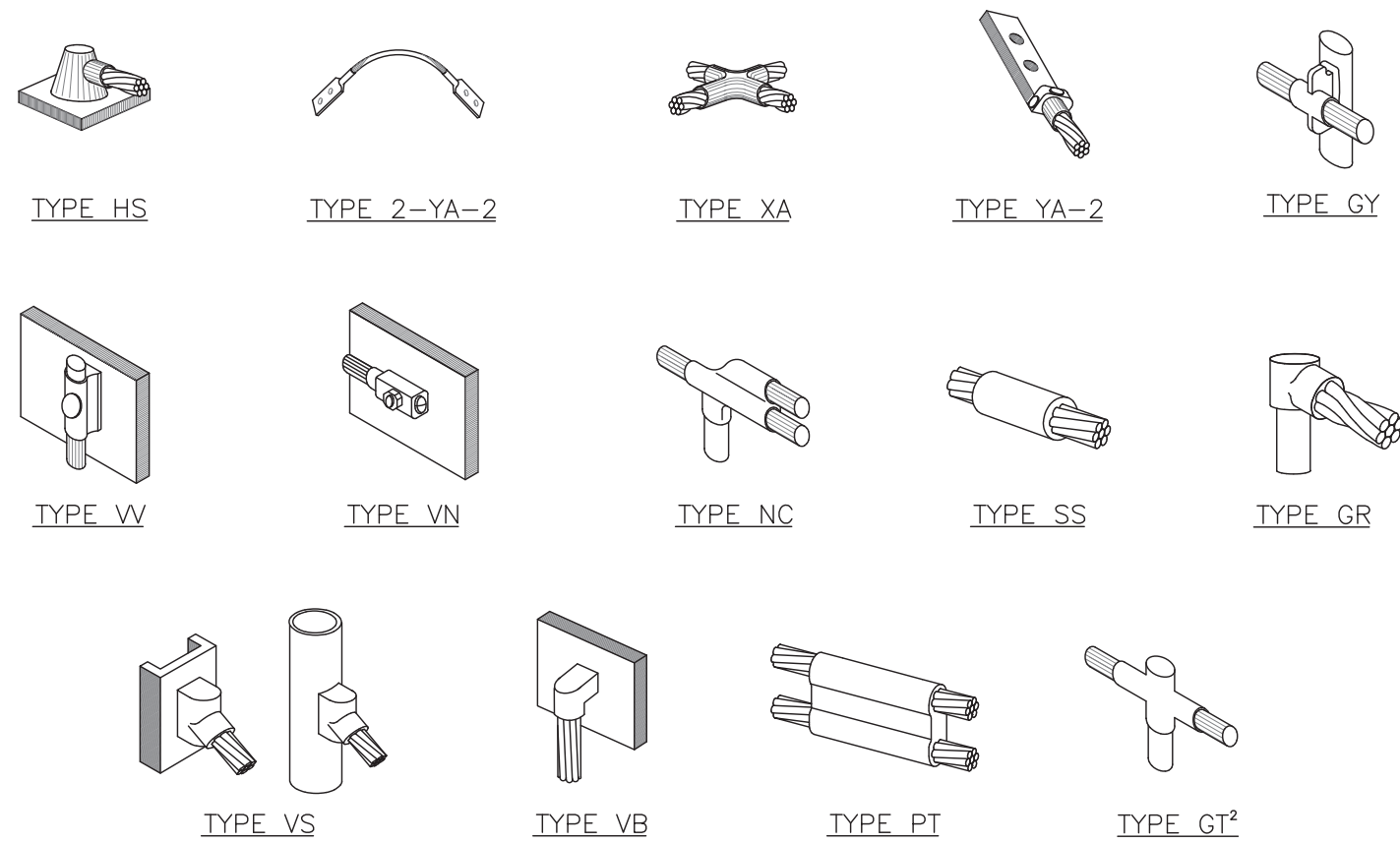
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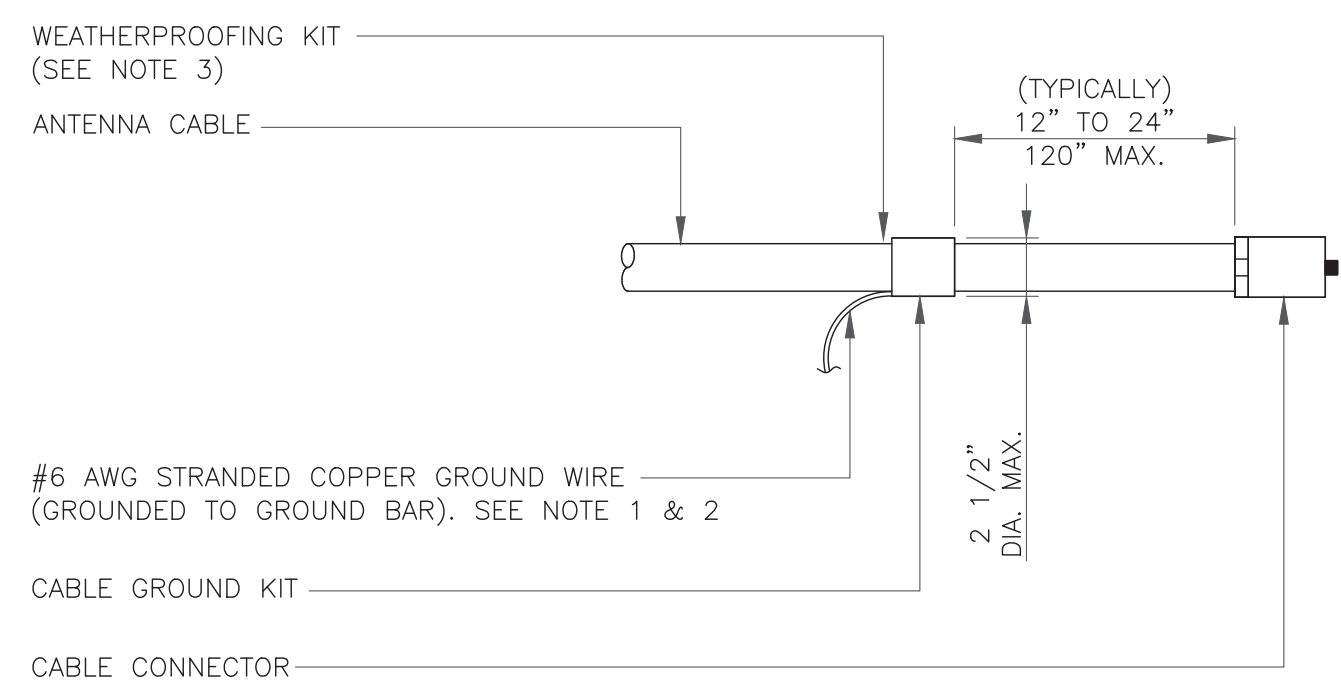
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NOTE:

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.

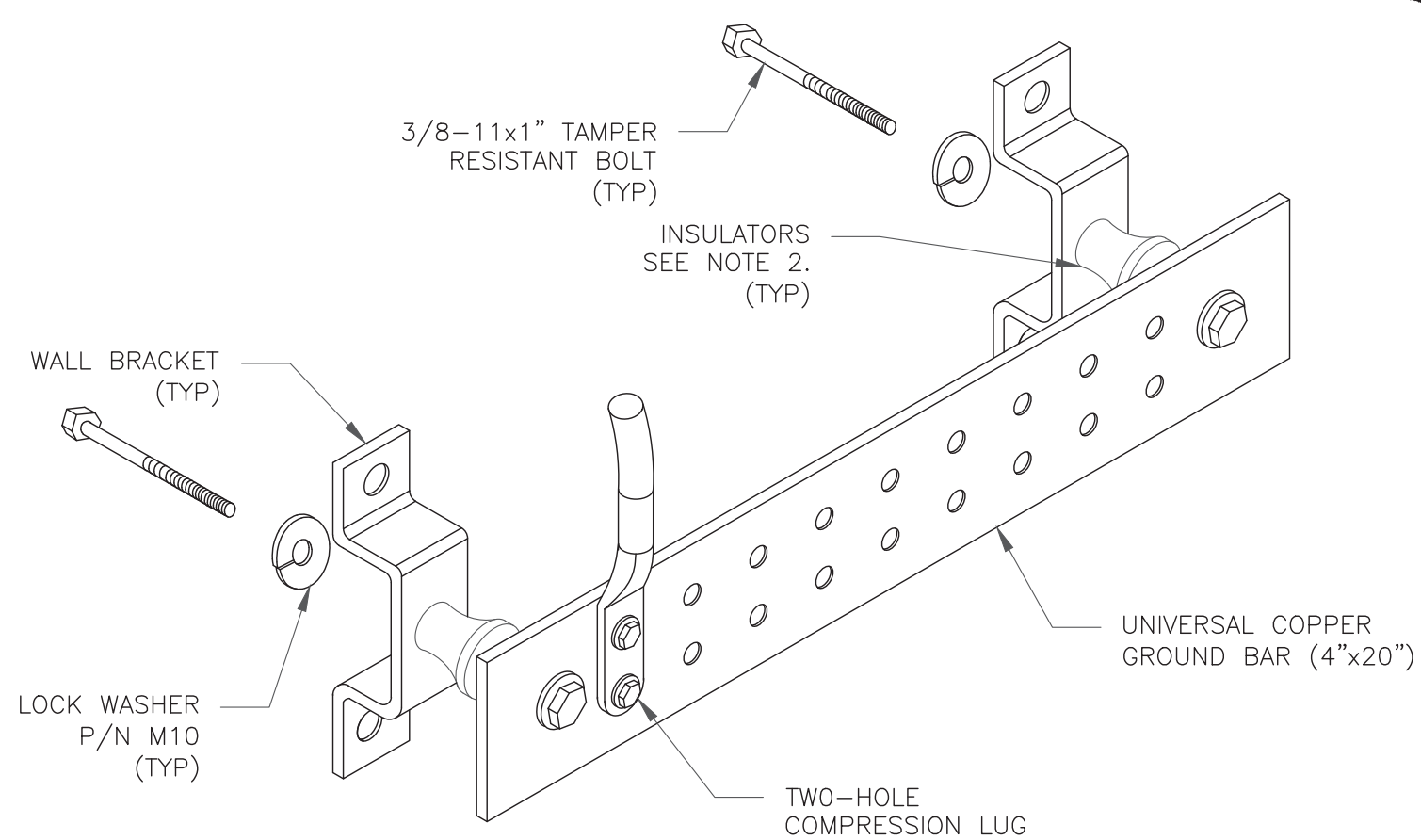
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

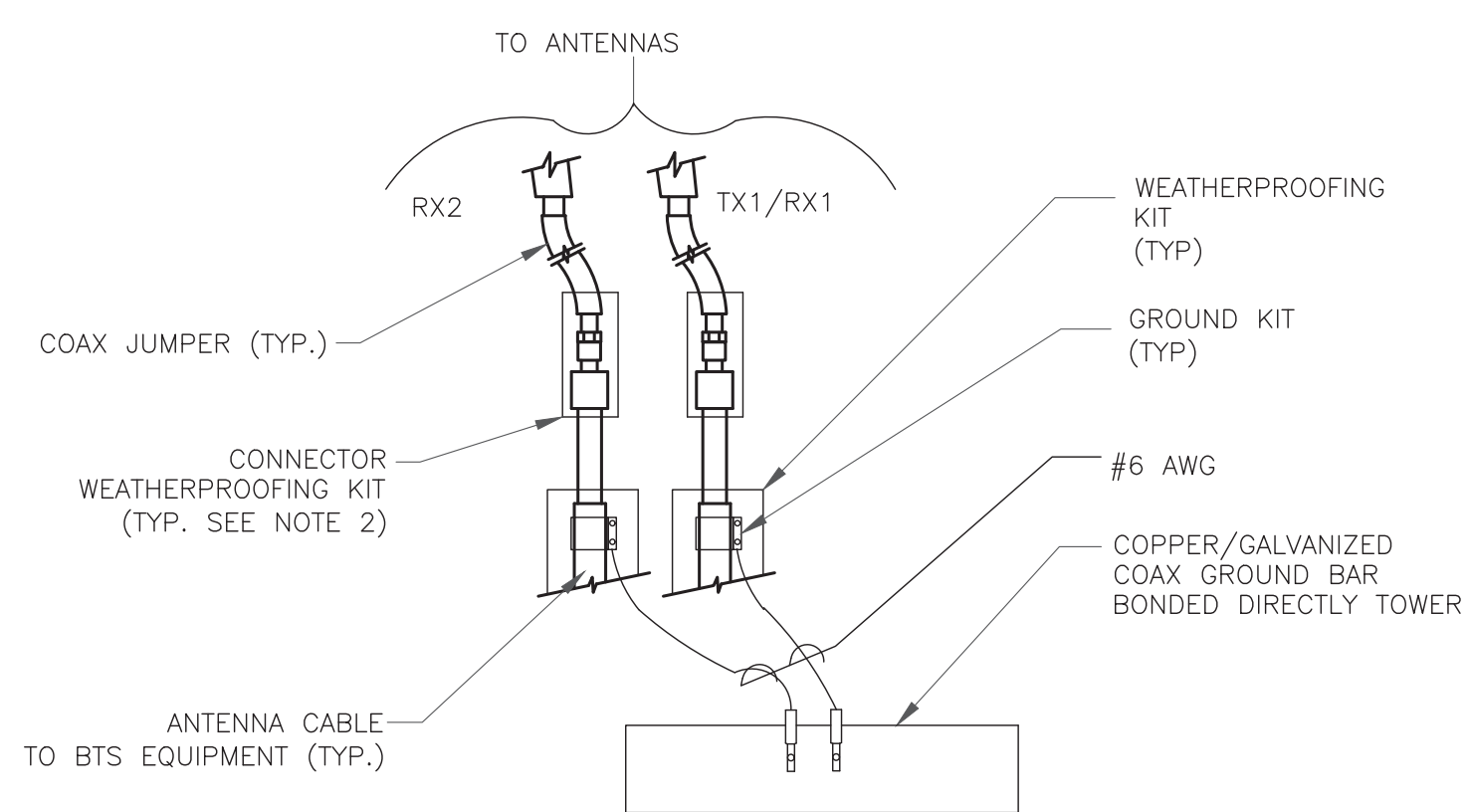
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



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.

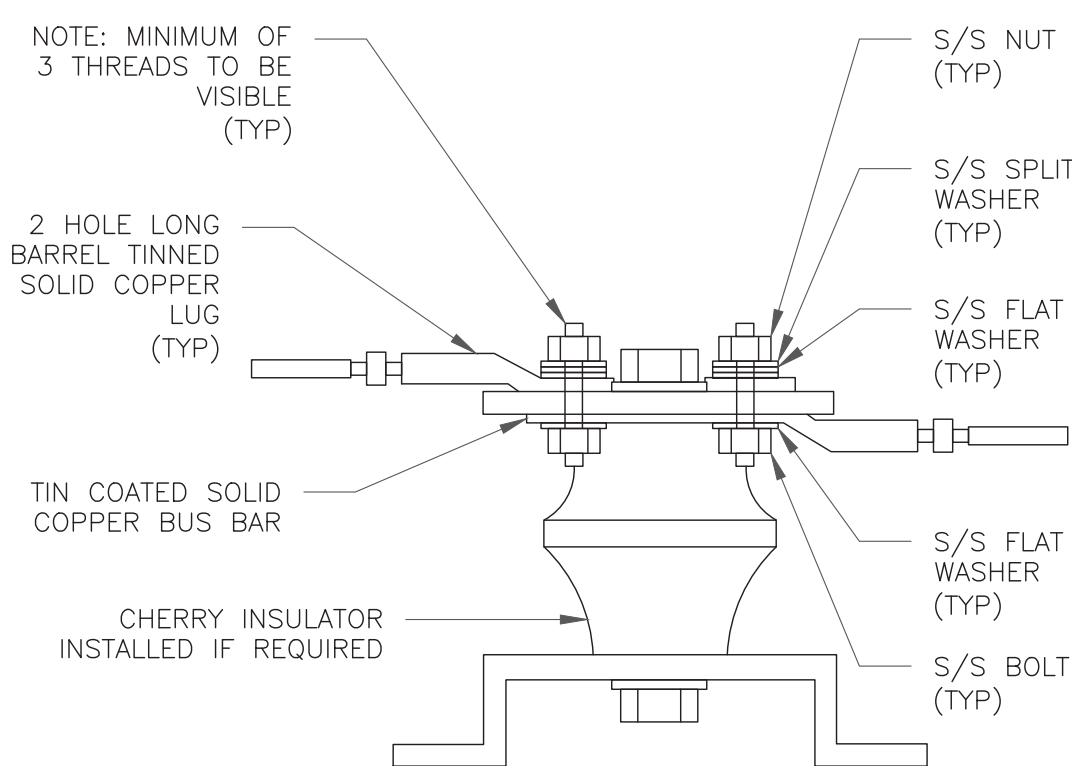
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

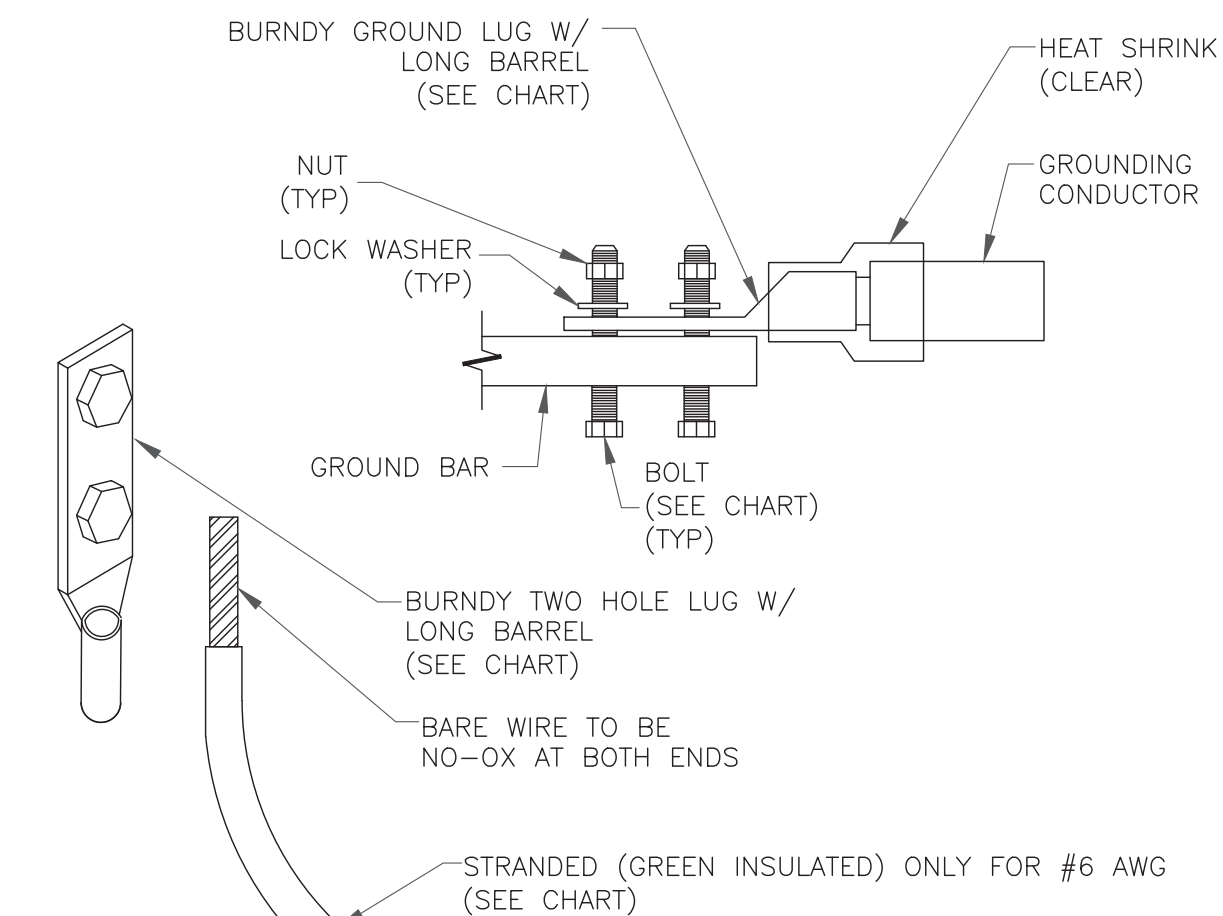
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



NOTE: MINIMUM OF 3 THREADS TO BE VISIBLE (TYP)

7 LUG DETAIL
SCALE: NOT TO SCALE

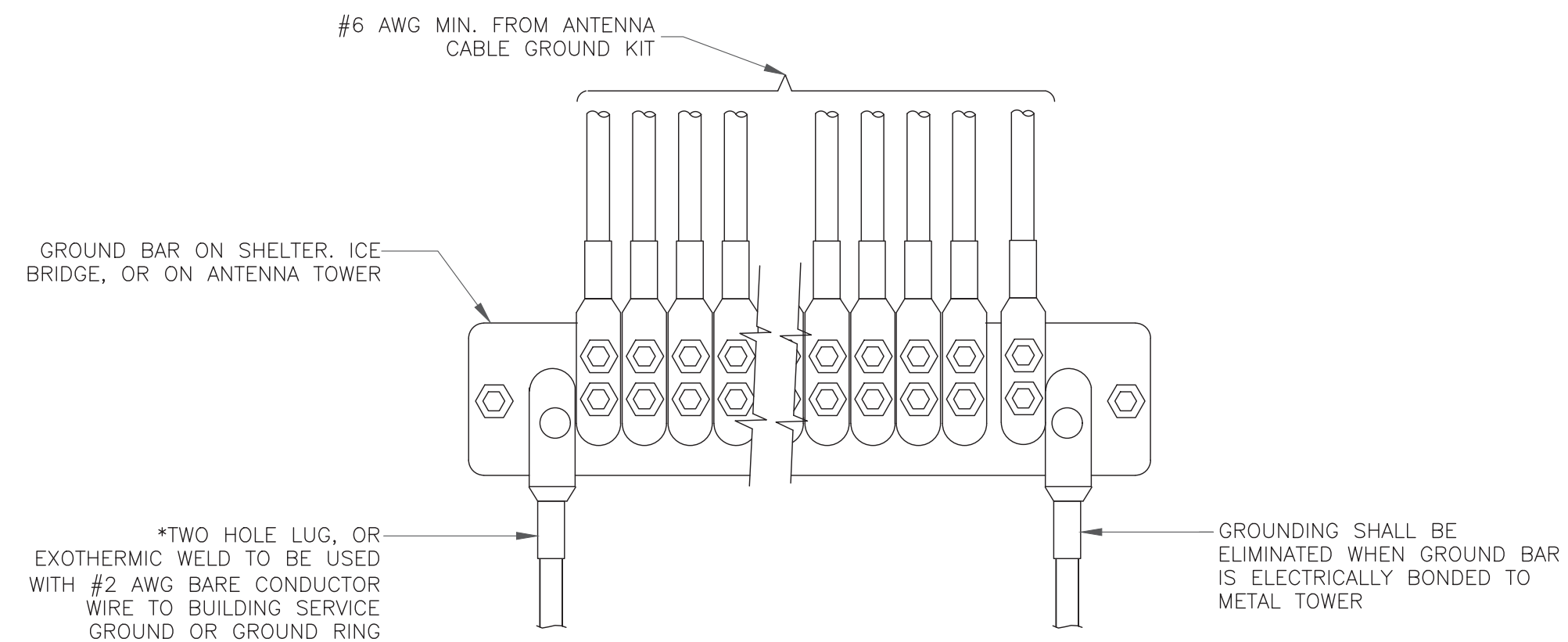
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



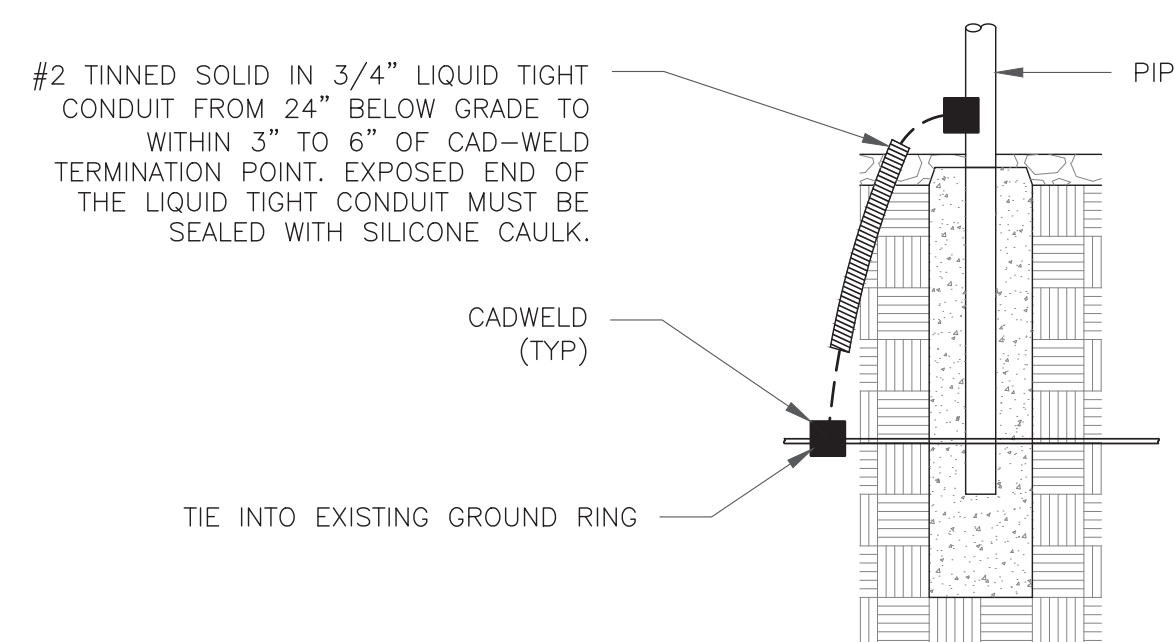
NOTES:

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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NUMBER:
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BU #: 826217
NEWINGTON_1

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BERLIN, CT 06037

EXISTING 191'-6" MONOPOLE

ISSUED FOR:

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PROFESSIONAL ENGINEER
No. 23924
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Exhibit D

Structural Analysis Report



MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Date: **October 06, 2021**

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 535818
Site Name: Berlin Kensington CT

Crown Castle Designation: **BU Number:** 826217
Site Name: Newington_1
JDE Job Number: 689157
Work Order Number: 2028612
Order Number: 589572 Rev. 0

Engineering Firm Designation: **Morrison Hershfield Project Number:** CN7-585R2 / 2101398

Site Data: **240 Kensington Road, Berlin, Hartford County, CT 06037**
Latitude 41° 37' 34.3", Longitude -72° 46' 32.33"
191.667 Foot - PiRod Monopole Tower

Morrison Hershfield is pleased to submit this “**Structural Analysis Report**” to determine the structural integrity of the above-mentioned tower.

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

LC7: Proposed Equipment Configuration

Sufficient Capacity – 80.2%

This analysis utilizes an ultimate 3-second gust wind speed of 118 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer



G. Lance Cooke

Digitally signed by
G. Lance Cooke
Date: 2021.10.06
09:44:07-07'00'

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1) INTRODUCTION

This tower is a 191.667 ft monopole tower designed by PiRod Manufactures Inc. The tower was modified multiple times in the past to accommodate additional loading. All the modifications have been considered in this analysis per their respective post modification inspection reports.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	118 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 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)
160.0	162.0	3	samsung telecommunications	RFV01U-D1A	13	1-5/8
		3	samsung telecommunications	RFV01U-D2A		
	160.0	1	andrew	HBXX-6517DS-A2M w/ Mount Pipe		
		2	andrew	LNx-6514DS-A1M w/ Mount Pipe		
		6	commscope	NNHH-65B-R4 w/ Mount Pipe		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		1	raycap	RVZDC-6627-PF-48		
		1	-	Platform Mount [LP 303-1]		

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)
192.0	196.0	1	kathrein	OGB4-900D	1	7/8
	192.0	1	-	Side Arm Mount [SO 701-1]		
191.0	196.0	1	andrew	DB589-A	1	5/16
	191.0	1	-	Side Arm Mount [SO 701-1]		
	190.0	1	motorola	WB2623 w/ Mount Pipe		
181.0	181.0	3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe	3	1-5/8
		3	ericsson	AIR -32 B2A/B66AA w/ Mount Pipe		
		3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		3	ericsson	RADIO 4415 B25_TMO		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
181.0	181.0	3	ericsson	RADIO 4449 B71 B85A_T-MOBILE	-	-
		3	commscope	ATBT-BOTTOM-24V		
		1	-	Platform Mount [LP 405-1_HR-1]		
171.0	171.0	3	fujitsu	TA08025-B604	1	1-3/4
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
158.0	158.0	1	decibel	DB205-A	2	7/8
		1	sinclair	SRL-224NM-4		
		2	-	Side Arm Mount [SO 702-1]		
151.0	151.0	3	andrew	SBNH-1D6565C w/ Mount Pipe	12	1-1/4
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		3	cci antennas	TPA-65R-LCUUUU-H8 w/ Mount Pipe		
		3	ericsson	RRUS 32		
		3	ericsson	RRUS 32 B2		
		3	kaelus	DBC0062F3V52-1		
		3	cci antennas	DTMABP7819VG12A		
		1	raycap	DC6-48-60-18-8F		
		1	-	Miscellaneous [NA 510-1]		
150.0	152.0	2	ericsson	RRUS 11	-	-
		1	raycap	DC6-48-60-18-8F		
	150.0	2	ericsson	RRUS 12		
		1	-	Pipe Mount [PM 601-3]		
		1	-	Side Arm Mount [SO 102-3]		
132.0	132.0	1	sinclair	SRL-235-2	1	7/8
		1	-	Side Arm Mount [SO 104-3]		
		1	-	Side Arm Mount [SO 702-1]		
124.0	124.0	1	decibel	PCS 1900 TMA RX	-	-
		1	tower mounts	Side Arm Mount [SO 104-3]		
116.0	120.0	1	andrew	VHLP2-18	6 3 1 1	5/16 1-5/8 1/2 2C
	118.0	3	decibel	844G65VTZAS w/ Mount Pipe		
		6	decibel	844G65VTZAS		
		3	commscope	NNVV-65B-R4		
		3	alcatel lucent	PCS 1900MHZ 4X45W-65MHZ		
		3	argus technologies	LLPX310R-V4		
		3	nokia	AHCC		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
116.0	116.0	1	dragonwave	HORIZON DUO	-	-
		3	samsung telecommunications	WIMAX DAP HEAD		
		6	-	Dual Mount Bracket		
		1	-	Platform Mount [LP 405-1_HR-1]		
90.0	99.0	1	decibel	DB205-A	2 1 1	1/2 7/8 5/16
	90.0	1	andrew	KP2F-34		
		1	mti wireless edge	MT-485002		
		1	-	Side Arm Mount [SO 702-3]		
70.0	70.0	1	sinclair	SRL-235-2	2	7/8
		1	-	Side Arm Mount [SO 102-3]		
		1	-	Side Arm Mount [SO 701-1]		
33.0	33.0	1	decibel	DB909XVTE-M	2	1/2
		1	-	Side Arm Mount [SO 102-3]		
		1	-	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3438510	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3463552	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3438498	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3678661	CCISITES
4-POST-MODIFICATION INSPECTION	5493013	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5753424	CCISITES
4-POST-MODIFICATION INSPECTION	5947973	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4003976	CCISITES

3.1) Analysis Method

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

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. Morrison Hershfield 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	% Capacity	Pass / Fail
L1	191.667 - 186.667	Pole	TP18x18x0.375	Pole	1.1%	Pass
L2	186.667 - 181.567	Pole	TP24x24x0.375	Pole	1.3%	Pass
L3	181.567 - 176.567	Pole	TP24x24x0.375	Pole	5.0%	Pass
L4	176.567 - 171.567	Pole	TP24x24x0.375	Pole	8.9%	Pass
L5	171.567 - 166.567	Pole	TP24x24x0.375	Pole	15.2%	Pass
L6	166.567 - 161.567	Pole	TP24x24x0.375	Pole	21.7%	Pass
L7	161.567 - 156.567	Pole	TP24x24x0.375	Pole	31.5%	Pass
L8	156.567 - 151.567	Pole	TP24x24x0.375	Pole	42.0%	Pass
L9	151.567 - 146.567	Pole	TP24x24x0.375	Pole	56.4%	Pass
L10	146.567 - 141.567	Pole	TP24x24x0.375	Pole	70.8%	Pass
L11	141.567 - 141.417	Pole	TP24x24x0.375	Pole	71.3%	Pass
L12	141.417 - 136.417	Pole	TP36x36x0.375	Pole	40.6%	Pass
L13	136.417 - 131.417	Pole	TP36x36x0.375	Pole	47.7%	Pass
L14	131.417 - 126.417	Pole	TP36x36x0.375	Pole	55.0%	Pass
L15	126.417 - 121.417	Pole	TP36x36x0.375	Pole	62.6%	Pass
L16	121.417 - 121.167	Pole	TP36x36x0.375	Pole	62.9%	Pass
L17	121.167 - 116.167	Pole	TP42x42x0.375	Pole	53.0%	Pass
L18	116.167 - 111.167	Pole	TP42x42x0.375	Pole	60.5%	Pass
L19	111.167 - 110.042	Pole	TP42x42x0.375	Pole	62.1%	Pass
L20	110.042 - 109.792	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	48.4%	Pass
L21	109.792 - 105.083	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	53.8%	Pass
L22	105.083 - 104.833	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	49.1%	Pass
L23	104.833 - 100.917	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	53.4%	Pass
L24	100.917 - 100.667	Pole	TP48x48x0.375	Pole	59.4%	Pass
L25	100.667 - 95.833	Pole	TP48x48x0.375	Pole	65.4%	Pass
L26	95.833 - 95.583	Pole + Reinf.	TP48x48x0.475	Pole	52.1%	Pass
L27	95.583 - 90.583	Pole + Reinf.	TP48x48x0.475	Pole	57.3%	Pass
L28	90.583 - 89.917	Pole + Reinf.	TP48x48x0.475	Pole	58.0%	Pass
L29	89.917 - 89.667	Pole + Reinf.	TP48x48x0.575	Pole	48.3%	Pass
L30	89.667 - 84.667	Pole + Reinf.	TP48x48x0.575	Pole	52.9%	Pass
L31	84.667 - 80.833	Pole + Reinf.	TP48x48x0.575	Pole	56.5%	Pass
L32	80.833 - 80.333	Pole + Reinf.	TP54x54x0.55	Pole	47.5%	Pass
L33	80.333 - 80.083	Pole + Reinf.	TP54x54x0.4875	Pole	53.7%	Pass
L34	80.083 - 75.083	Pole + Reinf.	TP54x54x0.4875	Pole	58.2%	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L35	75.083 - 70.083	Pole + Reinf.	TP54x54x0.4875	Pole	62.9%	Pass
L36	70.083 - 69.5	Pole + Reinf.	TP54x54x0.4875	Pole	63.5%	Pass
L37	69.5 - 69.25	Pole + Reinf.	TP54x54x0.5875	Pole	52.7%	Pass
L38	69.25 - 64.25	Pole + Reinf.	TP54x54x0.5875	Pole	56.9%	Pass
L39	64.25 - 60.583	Pole + Reinf.	TP54x54x0.5875	Pole	60.1%	Pass
L40	60.583 - 60.333	Pole + Reinf.	TP60x60x0.5125	Pole	56.4%	Pass
L41	60.333 - 55.333	Pole + Reinf.	TP60x60x0.5125	Pole	60.6%	Pass
L42	55.333 - 52.167	Pole + Reinf.	TP60x60x0.5125	Pole	63.2%	Pass
L43	52.167 - 51.917	Pole + Reinf.	TP60x60x0.625	Pole	52.9%	Pass
L44	51.917 - 46.917	Pole + Reinf.	TP60x60x0.625	Pole	56.5%	Pass
L45	46.917 - 41.917	Pole + Reinf.	TP60x60x0.625	Pole	60.2%	Pass
L46	41.917 - 40.233	Pole + Reinf.	TP60x60x0.6	Pole	62.0%	Pass
L47	40.233 - 39.983	Pole + Reinf.	TP60x60x0.6	Pole	62.2%	Pass
L48	39.983 - 34.983	Pole + Reinf.	TP60x60x0.6	Pole	66.1%	Pass
L49	34.983 - 29.983	Pole + Reinf.	TP60x60x0.6	Pole	70.0%	Pass
L50	29.983 - 28	Pole + Reinf.	TP60x60x0.6	Pole	71.6%	Pass
L51	28 - 27.75	Pole + Reinf.	TP60x60x0.725	Pole	60.3%	Pass
L52	27.75 - 22.75	Pole + Reinf.	TP60x60x0.725	Pole	63.7%	Pass
L53	22.75 - 20.083	Pole + Reinf.	TP60x60x0.725	Pole	65.6%	Pass
L54	20.083 - 19.833	Pole	TP60x60x0.625	Pole	73.2%	Pass
L55	19.833 - 17	Pole	TP60x60x0.625	Pole	75.5%	Pass
L56	17 - 16.75	Pole + Reinf.	TP60x60x0.725	Pole	65.4%	Pass
L57	16.75 - 11.65	Pole + Reinf.	TP60x60x0.75	Pole	67.3%	Pass
L58	11.65 - 11.417	Pole + Reinf.	TP60x60x0.75	Pole	67.5%	Pass
L59	11.417 - 9.396	Pole + Reinf.	TP60x60x0.75	Pole	68.8%	Pass
L60	9.396 - 9.146	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	68.5%	Pass
L61	9.146 - 4.833	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	71.4%	Pass
L62	4.833 - 4.583	Pole + Reinf.	TP60x60x0.75	Pole	73.1%	Pass
L63	4.583 - 0	Pole + Reinf.	TP60x60x0.75	Pole	76.3%	Pass
					Summary	
				Pole	76.3%	Pass
				Reinforcement	74.3%	Pass
				Overall	76.3%	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Flange Connection	181.58	1.8	Pass
1,2	Flange Connection	141.42	46.1	Pass
1,2	Flange Connection	121.2	35.8	Pass
1,2	Flange Connection	100.9	34.4	Pass
1,2	Flange Connection	80.83	34.9	Pass
1,2	Flange Connection	60.58	22.5	Pass
1,2	Flange Connection	40.33	16.6	Pass
1,2	Flange Connection	20.08	21.1	Pass
1	Anchor Rods	0	48.9	Pass
1,2	Base Plate		48.9	Pass
1	Base Foundation (Structure)	0	80.2	Pass
1	Base Foundation (Soil Interaction)		76.6	Pass

Structure Rating (max from all components) =	80.2%*
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Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) The base and flange plates have been considered to have the same capacity as their respective bolts.
- 3) *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

Tower Input Data

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

- Tower is located in Hartford County, Connecticut.
- Tower base elevation above sea level: 133.00 ft.
- Basic wind speed of 118 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.5000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | <ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption |
| Poles | | |
| <ul style="list-style-type: none"> √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known | | |

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	191.67-186.67	5.00	P18x0.375	A53-B-42 (42 ksi)	
L2	186.67-181.57	5.10	P24x0.375	A53-B-42 (42 ksi)	
L3	181.57-176.57	5.00	P24x0.375	A53-B-42 (42 ksi)	
L4	176.57-171.57	5.00	P24x0.375	A53-B-42	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L5	171.57-166.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L6	166.57-161.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L7	161.57-156.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L8	156.57-151.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L9	151.57-146.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L10	146.57-141.57	5.00	P24x0.375	(42 ksi) A53-B-42	
L11	141.57-141.42	0.15	P24x0.375	(42 ksi) A53-B-42	
L12	141.42-136.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L13	136.42-131.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L14	131.42-126.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L15	126.42-121.42	5.00	P36x0.375	(42 ksi) A53-B-42	
L16	121.42-121.17	0.25	P36x0.375	(42 ksi) A53-B-42	
L17	121.17-116.17	5.00	P42x0.375	(42 ksi) A53-B-42	
L18	116.17-111.17	5.00	P42x0.375	(42 ksi) A53-B-42	
L19	111.17-110.04	1.13	P42x0.375	(42 ksi) A53-B-42	
L20	110.04-109.79	0.25	P42x0.4875	(42 ksi) A53-B-42	
L21	109.79-105.08	4.71	P42x0.4875	(42 ksi) A53-B-42	
L22	105.08-104.83	0.25	P42x0.5625	(42 ksi) A53-B-42	
L23	104.83-100.92	3.92	P42x0.5625	(42 ksi) A53-B-42	
L24	100.92-100.67	0.25	P48x0.375	(42 ksi) A53-B-42	
L25	100.67-95.83	4.83	P48x0.375	(42 ksi) A53-B-42	
L26	95.83-95.58	0.25	P48x0.475	(42 ksi) A53-B-42	
L27	95.58-90.58	5.00	P48x0.475	(42 ksi) A53-B-42	
L28	90.58-89.92	0.67	P48x0.475	(42 ksi) A53-B-42	
L29	89.92-89.67	0.25	P48x0.575	(42 ksi) A53-B-42	
L30	89.67-84.67	5.00	P48x0.575	(42 ksi) A53-B-42	
L31	84.67-80.83	3.83	P48x0.575	(42 ksi) A53-B-42	
L32	80.83-80.33	0.50	P54x0.55	(42 ksi) A53-B-42	
L33	80.33-80.08	0.25	P54x0.4875	(42 ksi) A53-B-42	
L34	80.08-75.08	5.00	P54x0.4875	(42 ksi) A53-B-42	
L35	75.08-70.08	5.00	P54x0.4875	(42 ksi) A53-B-42	
L36	70.08-69.50	0.58	P54x0.4875	(42 ksi) A53-B-42	
L37	69.50-69.25	0.25	P54x0.5875	(42 ksi) A53-B-42	
L38	69.25-64.25	5.00	P54x0.5875	(42 ksi) A53-B-42	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L39	64.25-60.58	3.67	P54x0.5875	A53-B-42 (42 ksi)	
L40	60.58-60.33	0.25	P60x0.5125	A53-B-42 (42 ksi)	
L41	60.33-55.33	5.00	P60x0.5125	A53-B-42 (42 ksi)	
L42	55.33-52.17	3.17	P60x0.5125	A53-B-42 (42 ksi)	
L43	52.17-51.92	0.25	P60x0.625	A53-B-42 (42 ksi)	
L44	51.92-46.92	5.00	P60x0.625	A53-B-42 (42 ksi)	
L45	46.92-41.92	5.00	P60x0.625	A53-B-42 (42 ksi)	
L46	41.92-40.23	1.68	P60x0.6	A53-B-42 (42 ksi)	
L47	40.23-39.98	0.25	P60x0.6	A53-B-42 (42 ksi)	
L48	39.98-34.98	5.00	P60x0.6	A53-B-42 (42 ksi)	
L49	34.98-29.98	5.00	P60x0.6	A53-B-42 (42 ksi)	
L50	29.98-28.00	1.98	P60x0.6	A53-B-42 (42 ksi)	
L51	28.00-27.75	0.25	P60x0.725	A53-B-42 (42 ksi)	
L52	27.75-22.75	5.00	P60x0.725	A53-B-42 (42 ksi)	
L53	22.75-20.08	2.67	P60x0.725	A53-B-42 (42 ksi)	
L54	20.08-19.83	0.25	P60x0.625	A53-B-42 (42 ksi)	
L55	19.83-17.00	2.83	P60x0.625	A53-B-42 (42 ksi)	
L56	17.00-16.75	0.25	P60x0.725	A53-B-42 (42 ksi)	
L57	16.75-11.65	5.10	P60x0.75	A53-B-42 (42 ksi)	
L58	11.65-11.42	0.23	P60x0.75	A53-B-42 (42 ksi)	
L59	11.42-9.40	2.02	P60x0.75	A53-B-42 (42 ksi)	
L60	9.40-9.15	0.25	P60x0.8	A53-B-42 (42 ksi)	
L61	9.15-4.83	4.31	P60x0.8	A53-B-42 (42 ksi)	
L62	4.83-4.58	0.25	P60x0.75	A53-B-42 (42 ksi)	
L63	4.58-0.00	4.58	P60x0.75	A53-B-42 (42 ksi)	

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
L1 191.67-186.67				1	1	1			
L2 186.67-181.57				1	1	1			
L3 181.57-176.57				1	1	1			
L4 176.57-171.57				1	1	1			
L5 171.57-166.57				1	1	1			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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							
L6 166.57-161.57				1	1	1			
L7 161.57-156.57				1	1	1			
L8 156.57-151.57				1	1	1			
L9 151.57-146.57				1	1	1			
L10 146.57-141.57				1	1	1			
L11 141.57-141.42				1	1	1			
L12 141.42-136.42				1	1	1			
L13 136.42-131.42				1	1	1			
L14 131.42-126.42				1	1	1			
L15 126.42-121.42				1	1	1			
L16 121.42-121.17				1	1	1			
L17 121.17-116.17				1	1	1			
L18 116.17-111.17				1	1	1			
L19 111.17-110.04				1	1	1			
L20 110.04-109.79				1	1	0.983655			
L21 109.79-105.08				1	1	0.983655			
L22 105.08-104.83				1	1	0.976951			
L23 104.83-100.92				1	1	0.976951			
L24 100.92-100.67				1	1	1			
L25 100.67-95.83				1	1	1			
L26 95.83-95.58				1	1	0.981492			
L27 95.58-90.58				1	1	0.981492			
L28 90.58-89.92				1	1	0.981492			
L29 89.92-89.67				1	1	0.97009			
L30 89.67-84.67				1	1	0.97009			
L31 84.67-80.83				1	1	0.97009			
L32 80.83-80.33				1	1	0.976401			
L33 80.33-80.08				1	1	0.990478			
L34 80.08-75.08				1	1	0.990478			
L35 75.08-70.08				1	1	0.990478			
L36 70.08-69.50				1	1	0.990478			
L37 69.50-69.25				1	1	1.00601			
L38 69.25-64.25				1	1	1.00601			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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							
L39 64.25-60.58				1	1	1.00601			
L40 60.58-60.33				1	1	0.987891			
L41 60.33-55.33				1	1	0.987891			
L42 55.33-52.17				1	1	0.987891			
L43 52.17-51.92				1	1	1.01747			
L44 51.92-46.92				1	1	1.01747			
L45 46.92-41.92				1	1	1.01747			
L46 41.92-40.23				1	1	0.995499			
L47 40.23-39.98				1	1	0.995499			
L48 39.98-34.98				1	1	0.995499			
L49 34.98-29.98				1	1	0.995499			
L50 29.98-28.00				1	1	0.995499			
L51 28.00-27.75				1	1	1.00337			
L52 27.75-22.75				1	1	1.00337			
L53 22.75-20.08				1	1	1.00337			
L54 20.08-19.83				1	1	1			
L55 19.83-17.00				1	1	1			
L56 17.00-16.75				1	1	1.04129			
L57 16.75-11.65				1	1	1.02849			
L58 11.65-11.42				1	1	1.02849			
L59 11.42-9.40				1	1	1.02849			
L60 9.40-9.15				1	1	1.00535			
L61 9.15-4.83				1	1	1.00535			
L62 4.83-4.58				1	1	1.04998			
L63 4.58-0.00				1	1	1.04998			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
* Reinforcement Plates*										
CCI 4" x 0.75" Plate	A	No	Surface (CaAa)	Af 10.88 - 0.00	1	1	0.400 - 0.450	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	B	No	Surface (CaAa)	Af 10.88 - 0.00	1	1	-0.250 - 0.200	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	C	No	Surface (CaAa)	Af 13.17 - 3.17	1	1	0.250 - 0.300	4.0000	9.5000	0.00
*										
CCI 6" x 1" Plate	A	No	Surface (CaAa)	Af 39.75 - 20.75	1	1	0.400 - 0.500	6.0000	14.0000	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	39.75 - 20.75	1	1	0.400 0.500	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	39.75 - 20.75	1	1	0.400 0.500	6.0000	14.0000	0.00
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	59.92 - 40.83	1	1	-0.450 -0.400	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	59.92 - 40.83	1	1	-0.450 -0.400	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	59.92 - 40.83	1	1	-0.400 -0.350	6.5000	15.5000	0.00
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	80.17 - 61.17	1	1	-0.450 -0.400	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	80.17 - 61.17	1	1	-0.350 -0.300	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	80.17 - 61.17	1	1	-0.450 -0.400	6.0000	14.0000	0.00
*										
CCI 4" x 0.75" Plate	A	No	Surface Af (CaAa)	106.58 - 101.58	1	1	-0.500 -0.450	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	B	No	Surface Af (CaAa)	106.58 - 101.58	1	1	-0.500 -0.450	4.0000	9.5000	0.00
CCI 4" x 0.75" Plate	C	No	Surface Af (CaAa)	106.58 - 101.58	1	1	-0.500 -0.450	4.0000	9.5000	0.00
*										
1" x 2" Plate	A	No	Surface Af (CaAa)	50.42 - 40.58	1	1	-0.450 -0.400	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	50.42 - 40.58	1	1	-0.350 -0.300	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	50.42 - 40.58	1	1	0.200 0.250	1.0000	6.0000	6.81
1" x 2" Plate	C	No	Surface Af (CaAa)	50.42 - 40.58	1	1	-0.350 -0.300	1.0000	6.0000	6.81
*										
1" x 2" Plate	A	No	Surface Af (CaAa)	66.17 - 61.08	1	1	-0.350 -0.300	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	66.17 - 61.08	1	1	-0.450 -0.400	1.0000	6.0000	6.81
1" x 2" Plate	B	No	Surface Af (CaAa)	66.17 - 61.08	1	1	0.300 0.350	1.0000	6.0000	6.81
1" x 2" Plate	C	No	Surface Af (CaAa)	66.17 - 61.08	1	1	-0.450 -0.400	1.0000	6.0000	6.81
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	19.00 - 0.00	1	1	0.300 0.350	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	19.00 - 0.00	1	1	0.400 0.450	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	19.00 - 0.00	1	1	0.450 0.500	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	19.00 - 0.00	1	1	-0.500 -0.450	6.0000	14.0000	0.00
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	30.00 - 17.00	1	1	-0.150 -0.100	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	30.00 - 17.00	1	1	-0.450 -0.400	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	30.00 - 17.00	1	1	0.350 0.400	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	30.00 - 17.00	1	1	-0.500 -0.450	6.0000	14.0000	0.00
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	50.17 - 37.17	1	1	0.250 0.300	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	50.17 - 37.17	1	1	0.100 0.150	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	50.17 - 37.17	1	1	-0.400 -0.350	6.0000	14.0000	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	50.17 - 37.17	1	1	0.450 0.500	6.0000	14.0000	0.00
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	71.00 - 61.00	1	1	-0.250 -0.200	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	71.00 - 61.00	1	1	-0.450 -0.400	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	71.00 - 61.00	1	1	0.400 0.450	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	71.00 - 61.00	1	1	0.350 0.400	4.5000	11.0000	0.00
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	97.33 - 81.33	1	1	-0.500 -0.450	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	97.33 - 81.33	1	1	-0.500 -0.450	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	97.33 - 81.33	1	1	-0.500 -0.450	4.5000	11.0000	0.00
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	111.54 - 101.54	1	1	-0.350 -0.300	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	111.54 - 101.54	1	1	-0.350 -0.300	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	111.54 - 101.54	1	1	-0.350 -0.300	4.5000	11.0000	0.00
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	91.42 - 81.42	1	1	-0.150 -0.100	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	91.42 - 81.42	1	1	-0.150 -0.100	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	91.42 - 81.42	1	1	-0.150 -0.100	4.5000	11.0000	0.00
*										
* BS*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	27.50 - 12.67	1	1	0.400 0.450	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	27.50 - 12.67	1	1	-0.250 -0.200	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	27.50 - 12.67	1	1	0.450 0.500	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	27.50 - 12.67	1	1	-0.250 -0.200	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	27.50 - 12.67	1	1	0.350 0.400	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	27.50 - 12.67	1	1	-0.250 -0.200	6.5000	15.5000	27.65
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	47.83 - 32.83	1	1	0.400 0.450	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.400 -0.350	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.400 -0.350	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.250 -0.200	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.400 0.350	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	47.83 - 32.83	1	1	-0.250 -0.200	6.5000	15.5000	27.65
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	60.08 - 55.25	1	1	0.200 0.250	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	60.08 - 55.25	1	1	-0.400 -0.350	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	60.08 - 55.25	1	1	0.150 0.200	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	60.08 - 55.25	1	1	-0.350 -0.300	8.5000	19.5000	36.16

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	60.08 - 55.25	1	1	0.100 0.150	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	60.08 - 55.25	1	1	-0.500 -0.450	8.5000	19.5000	36.16
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	61.08 - 60.08	1	1	0.200 0.250	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	61.08 - 60.08	1	1	-0.400 -0.350	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	61.08 - 60.08	1	1	0.150 0.200	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	61.08 - 60.08	1	1	-0.350 -0.300	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	61.08 - 60.08	1	1	0.100 0.150	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	61.08 - 60.08	1	1	-0.500 -0.450	8.5000	19.5000	36.16
*										
CCI 8.5" x 4.25" Plate	A	No	Surface Af (CaAa)	68.42 - 61.08	1	1	0.200 0.250	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	A	No	Surface Af (CaAa)	68.42 - 61.08	1	1	-0.400 -0.350	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	B	No	Surface Af (CaAa)	68.42 - 61.08	1	1	0.150 0.200	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	B	No	Surface Af (CaAa)	68.42 - 61.08	1	1	-0.350 -0.300	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	C	No	Surface Af (CaAa)	68.42 - 61.08	1	1	0.100 0.150	8.5000	25.5000	122.94
CCI 8.5" x 4.25" Plate	C	No	Surface Af (CaAa)	68.42 - 61.08	1	1	-0.500 -0.450	8.5000	25.5000	122.94
*										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	73.42 - 68.42	1	1	0.200 0.250	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	73.42 - 68.42	1	1	-0.400 -0.350	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	73.42 - 68.42	1	1	0.150 0.200	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	73.42 - 68.42	1	1	-0.350 -0.300	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	73.42 - 68.42	1	1	0.100 0.150	8.5000	19.5000	36.16
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	73.42 - 68.42	1	1	-0.500 -0.450	8.5000	19.5000	36.16
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	80.33 - 76.50	1	1	0.050 0.100	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	80.33 - 76.50	1	1	0.000 0.050	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	80.33 - 76.50	1	1	0.150 0.200	6.5000	15.5000	27.65
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	80.50 - 80.33	1	1	0.050 0.100	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	80.50 - 80.33	1	1	0.000 0.050	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	80.50 - 80.33	1	1	0.150 0.200	6.5000	15.5000	27.65
*										
CCI 6.5" x 4.25" Plate	A	No	Surface Af (CaAa)	85.83 - 80.50	1	1	0.050 0.100	6.5000	21.5000	94.01
CCI 6.5" x 4.25" Plate	B	No	Surface Af (CaAa)	85.83 - 80.50	1	1	0.000 0.050	6.5000	21.5000	94.01
CCI 6.5" x 4.25" Plate	C	No	Surface Af (CaAa)	85.83 - 80.50	1	1	0.150 0.200	6.5000	21.5000	94.01
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	89.75 - 85.83	1	1	0.050 0.100	6.5000	15.5000	27.65

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	89.75 - 85.83	1	1	0.000 0.050	6.5000	15.5000	27.65
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	89.75 - 85.83	1	1	0.150 0.200	6.5000	15.5000	27.65
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	100.42 - 97.92	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	100.42 - 97.92	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	100.42 - 97.92	1	1	-0.100 -0.050	4.5000	11.0000	15.34
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	101.42 - 100.42	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	101.42 - 100.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	101.42 - 100.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
* CCI 4.5" x 4" Plate	A	No	Surface Af (CaAa)	104.42 - 101.42	1	1	-0.150 -0.100	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	B	No	Surface Af (CaAa)	104.42 - 101.42	1	1	-0.100 -0.050	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	C	No	Surface Af (CaAa)	104.42 - 101.42	1	1	-0.100 -0.050	4.5000	17.0000	61.26
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	107.17 - 104.42	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	107.17 - 104.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	107.17 - 104.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	120.67 - 117.92	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	120.67 - 117.92	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	120.67 - 117.92	1	1	-0.200 -0.150	4.5000	11.0000	15.34
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	121.67 - 120.67	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	121.67 - 120.67	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	121.67 - 120.67	1	1	-0.200 -0.150	4.5000	11.0000	15.34
* CCI 4.5" x 4" Plate	A	No	Surface Af (CaAa)	124.42 - 121.67	1	1	-0.150 -0.100	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	B	No	Surface Af (CaAa)	124.42 - 121.67	1	1	-0.100 -0.050	4.5000	17.0000	61.26
CCI 4.5" x 4" Plate	C	No	Surface Af (CaAa)	124.42 - 121.67	1	1	-0.200 -0.150	4.5000	17.0000	61.26
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	127.17 - 124.42	1	1	-0.150 -0.100	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	127.17 - 124.42	1	1	-0.100 -0.050	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	127.17 - 124.42	1	1	-0.200 -0.150	4.5000	11.0000	15.34
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	61.46 - 58.00	1	1	-0.250 -0.200	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	61.46 - 58.00	1	1	-0.450 -0.400	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	61.46 - 58.00	1	1	0.400 0.450	4.5000	11.0000	15.34

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	61.46 - 58.00	1	1	0.350 0.400	4.5000	11.0000	15.34
*										
CCI 4.5" x 3" Plate	A	No	Surface Af (CaAa)	62.96 - 61.55	1	1	-0.250 -0.200	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	62.96 - 61.55	1	1	-0.450 -0.400	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	62.96 - 61.55	1	1	0.400 0.450	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	C	No	Surface Af (CaAa)	62.96 - 61.55	1	1	0.350 0.400	4.5000	15.0000	45.94
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	81.71 - 78.33	1	1	-0.500 -0.450	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	81.71 - 78.33	1	1	-0.500 -0.450	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	81.71 - 78.33	1	1	-0.500 -0.450	4.5000	11.0000	15.34
*										
CCI 4.5" x 3" Plate	A	No	Surface Af (CaAa)	83.21 - 81.71	1	1	-0.500 -0.450	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	83.21 - 81.71	1	1	-0.500 -0.450	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	C	No	Surface Af (CaAa)	83.21 - 81.71	1	1	-0.500 -0.450	4.5000	15.0000	45.94
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	101.79 - 98.42	1	1	0.300 0.350	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	101.79 - 98.42	1	1	0.300 0.350	4.5000	11.0000	15.34
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	101.79 - 98.42	1	1	0.300 0.350	4.5000	11.0000	15.34
*										
CCI 4.5" x 3" Plate	A	No	Surface Af (CaAa)	103.29 - 101.79	1	1	0.300 0.350	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	B	No	Surface Af (CaAa)	103.29 - 101.79	1	1	0.300 0.350	4.5000	15.0000	45.94
CCI 4.5" x 3" Plate	C	No	Surface Af (CaAa)	103.29 - 101.79	1	1	0.300 0.350	4.5000	15.0000	45.94

CU12PSM6P4XXX(1-3/4)	C	No	Surface Ar (CaAa)	171.00 - 0.00	1	1	0.450 0.450	1.7500		2.72

AL7-50(1-5/8)	B	No	Surface Ar (CaAa)	160.00 - 4.00	12	12	-0.350 -0.100	1.9600		0.52

HB158-U12S24-XXX-LI(1-5/8)	B	No	Surface Ar (CaAa)	160.00 - 4.00	1	1	-0.375 -0.375	1.9760		3.20

LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	116.00 - 4.00	12	3	-0.200 -0.100	1.9800		0.82
Banjo	B	No	Surface Af (CaAa)	116.00 - 4.00	1	1	-0.200 -0.100	1.0000	4.0000	8.40

Safety Line 3/8	C	No	Surface Ar (CaAa)	191.67 - 4.00	1	1	0.000 0.010	0.3750		0.22
Step Pegs	C	No	Surface Ar (CaAa)	191.67 - 4.00	1	1	-0.050 0.050	1.0000		8.40

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
*									

LDF5-50A(7/8)	B	No	No	Inside Pole	191.67 - 5.00	1	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33

ATCB-B01-001(5/16)	B	No	No	Inside Pole	191.00 - 5.00	1	No Ice	0.00	0.07
							1/2" Ice	0.00	0.07
							1" Ice	0.00	0.07
							2" Ice	0.00	0.07

HB158-21U6S24-xxM_TMO(1-5/8)	C	No	No	Inside Pole	184.00 - 5.00	1	No Ice	0.00	2.50
							1/2" Ice	0.00	2.50
							1" Ice	0.00	2.50
							2" Ice	0.00	2.50
HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	184.00 - 5.00	2	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
							2" Ice	0.00	2.40

LDF5-50A(7/8)	B	No	No	Inside Pole	158.00 - 4.00	2	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33

LDF6-50A(1-1/4)	C	No	No	Inside Pole	151.00 - 4.00	12	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
							2" Ice	0.00	0.60

LDF5-50A(7/8)	B	No	No	Inside Pole	132.00 - 4.00	1	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33

2" Rigid Conduit	B	No	No	Inside Pole	116.00 - 4.00	1	No Ice	0.00	2.80
							1/2" Ice	0.00	2.80
							1" Ice	0.00	2.80
							2" Ice	0.00	2.80
9207(5/16)	B	No	No	Inside Pole	116.00 - 4.00	6	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
LDF4-50A(1/2)	B	No	No	Inside Pole	116.00 - 4.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15

HB158-21U6M48-30F(1-5/8)	B	No	No	Inside Pole	116.00 - 4.00	3	No Ice	0.00	2.39
							1/2" Ice	0.00	2.39
							1" Ice	0.00	2.39
							2" Ice	0.00	2.39

ATCB-B01-001(5/16)	B	No	No	Inside Pole	90.00 - 4.00	1	No Ice	0.00	0.07
							1/2" Ice	0.00	0.07
							1" Ice	0.00	0.07
							2" Ice	0.00	0.07
LDF4-50A(1/2)	B	No	No	Inside Pole	90.00 - 4.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
LDF5-50A(7/8)	B	No	No	Inside Pole	90.00 - 4.00	1	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33

LDF5-50A(7/8)	B	No	No	Inside Pole	70.00 - 4.00	2	No Ice	0.00	0.33

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33

LDF4-50A(1/2)	B	No	No	Inside Pole	33.00 - 4.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15

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	191.67-186.67	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.688	0.000	0.04
L2	186.67-181.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.701	0.000	0.06
L3	181.57-176.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.688	0.000	0.08
L4	176.57-171.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.688	0.000	0.08
L5	171.57-166.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	1.463	0.000	0.09
L6	166.57-161.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	1.563	0.000	0.09
L7	161.57-156.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	8.753	0.000	0.04
		C	0.000	0.000	1.563	0.000	0.09
L8	156.57-151.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	12.748	0.000	0.05
		C	0.000	0.000	1.563	0.000	0.09
L9	151.57-146.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	12.748	0.000	0.05
		C	0.000	0.000	1.563	0.000	0.13
L10	146.57-141.57	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	12.748	0.000	0.05
		C	0.000	0.000	1.563	0.000	0.13
L11	141.57-141.42	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.382	0.000	0.00
		C	0.000	0.000	0.047	0.000	0.00
L12	141.42-136.42	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	12.748	0.000	0.05
		C	0.000	0.000	1.563	0.000	0.13
L13	136.42-131.42	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	12.748	0.000	0.05
		C	0.000	0.000	1.563	0.000	0.13
L14	131.42-126.42	A	0.000	0.000	0.395	0.000	0.01
		B	0.000	0.000	13.143	0.000	0.07
		C	0.000	0.000	1.958	0.000	0.14
L15	126.42-121.42	A	0.000	0.000	2.541	0.000	0.20
		B	0.000	0.000	15.289	0.000	0.26
		C	0.000	0.000	4.104	0.000	0.33
L16	121.42-121.17	A	0.000	0.000	0.113	0.000	0.00
		B	0.000	0.000	0.750	0.000	0.01
		C	0.000	0.000	0.191	0.000	0.01
L17	121.17-116.17	A	0.000	0.000	1.675	0.000	0.05
		B	0.000	0.000	14.423	0.000	0.10

Tower Sectio n	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
L18	116.17-111.17	C	0.000	0.000	3.238	0.000	0.18
		A	0.000	0.000	0.844	0.000	0.00
		B	0.000	0.000	16.424	0.000	0.19
L19	111.17-110.04	C	0.000	0.000	1.563	0.000	0.13
		A	0.000	0.000	2.531	0.000	0.00
		B	0.000	0.000	3.724	0.000	0.04
		C	0.000	0.000	0.352	0.000	0.03
L20	110.04-109.79	A	0.000	0.000	0.563	0.000	0.00
		B	0.000	0.000	0.828	0.000	0.01
		C	0.000	0.000	0.078	0.000	0.01
L21	109.79-105.08	A	0.000	0.000	12.523	0.000	0.03
		B	0.000	0.000	17.515	0.000	0.22
		C	0.000	0.000	3.399	0.000	0.15
L22	105.08-104.83	A	0.000	0.000	0.832	0.000	0.00
		B	0.000	0.000	1.097	0.000	0.01
		C	0.000	0.000	0.348	0.000	0.01
L23	104.83-100.92	A	0.000	0.000	12.345	0.000	0.28
		B	0.000	0.000	17.903	0.000	0.44
		C	0.000	0.000	6.164	0.000	0.38
L24	100.92-100.67	A	0.000	0.000	0.250	0.000	0.01
		B	0.000	0.000	1.077	0.000	0.02
		C	0.000	0.000	0.328	0.000	0.01
L25	100.67-95.83	A	0.000	0.000	3.761	0.000	0.08
		B	0.000	0.000	19.763	0.000	0.27
		C	0.000	0.000	5.272	0.000	0.20
L26	95.83-95.58	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	1.015	0.000	0.01
		C	0.000	0.000	0.266	0.000	0.01
L27	95.58-90.58	A	0.000	0.000	4.375	0.000	0.00
		B	0.000	0.000	20.927	0.000	0.20
		C	0.000	0.000	5.938	0.000	0.13
L28	90.58-89.92	A	0.000	0.000	0.999	0.000	0.00
		B	0.000	0.000	3.204	0.000	0.03
		C	0.000	0.000	1.207	0.000	0.02
L29	89.92-89.67	A	0.000	0.000	0.438	0.000	0.00
		B	0.000	0.000	1.266	0.000	0.01
		C	0.000	0.000	0.516	0.000	0.01
L30	89.67-84.67	A	0.000	0.000	11.325	0.000	0.22
		B	0.000	0.000	27.876	0.000	0.42
		C	0.000	0.000	12.887	0.000	0.34
L31	84.67-80.83	A	0.000	0.000	9.104	0.000	0.44
		B	0.000	0.000	21.796	0.000	0.60
		C	0.000	0.000	10.302	0.000	0.54
L32	80.83-80.33	A	0.000	0.000	0.642	0.000	0.04
		B	0.000	0.000	2.297	0.000	0.06
		C	0.000	0.000	0.798	0.000	0.06
L33	80.33-80.08	A	0.000	0.000	0.410	0.000	0.01
		B	0.000	0.000	1.238	0.000	0.02
		C	0.000	0.000	0.488	0.000	0.02
L34	80.08-75.08	A	0.000	0.000	8.671	0.000	0.13
		B	0.000	0.000	25.222	0.000	0.33
		C	0.000	0.000	10.233	0.000	0.26
L35	75.08-70.08	A	0.000	0.000	12.297	0.000	0.24
		B	0.000	0.000	29.536	0.000	0.44
		C	0.000	0.000	13.859	0.000	0.37
L36	70.08-69.50	A	0.000	0.000	2.176	0.000	0.04
		B	0.000	0.000	4.543	0.000	0.07
		C	0.000	0.000	2.358	0.000	0.06
L37	69.50-69.25	A	0.000	0.000	0.933	0.000	0.02
		B	0.000	0.000	1.948	0.000	0.03
		C	0.000	0.000	1.011	0.000	0.02
L38	69.25-64.25	A	0.000	0.000	19.430	0.000	1.10
		B	0.000	0.000	40.051	0.000	1.32
		C	0.000	0.000	20.993	0.000	1.23
L39	64.25-60.58	A	0.000	0.000	14.648	0.000	0.91
		B	0.000	0.000	30.883	0.000	1.16
		C	0.000	0.000	15.794	0.000	1.01
L40	60.58-60.33	A	0.000	0.000	0.563	0.000	0.02
		B	0.000	0.000	1.528	0.000	0.04

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
L41	60.33-55.33	C	0.000	0.000	0.641	0.000	0.03
		A	0.000	0.000	16.020	0.000	0.40
		B	0.000	0.000	33.855	0.000	0.64
L42	55.33-52.17	C	0.000	0.000	17.583	0.000	0.53
		A	0.000	0.000	3.593	0.000	0.01
		B	0.000	0.000	14.073	0.000	0.14
L43	52.17-51.92	C	0.000	0.000	4.583	0.000	0.09
		A	0.000	0.000	0.271	0.000	0.00
		B	0.000	0.000	1.098	0.000	0.01
L44	51.92-46.92	C	0.000	0.000	0.349	0.000	0.01
		A	0.000	0.000	11.228	0.000	0.07
		B	0.000	0.000	28.363	0.000	0.30
L45	46.92-41.92	C	0.000	0.000	16.041	0.000	0.20
		A	0.000	0.000	22.083	0.000	0.31
		B	0.000	0.000	39.468	0.000	0.55
L46	41.92-40.23	C	0.000	0.000	28.646	0.000	0.44
		A	0.000	0.000	6.729	0.000	0.10
		B	0.000	0.000	12.526	0.000	0.18
L47	40.23-39.98	C	0.000	0.000	8.940	0.000	0.15
		A	0.000	0.000	0.792	0.000	0.01
		B	0.000	0.000	1.619	0.000	0.02
L48	39.98-34.98	C	0.000	0.000	1.120	0.000	0.02
		A	0.000	0.000	18.416	0.000	0.28
		B	0.000	0.000	34.968	0.000	0.48
L49	34.98-29.98	C	0.000	0.000	22.795	0.000	0.41
		A	0.000	0.000	9.682	0.000	0.12
		B	0.000	0.000	26.233	0.000	0.32
L50	29.98-28.00	C	0.000	0.000	11.261	0.000	0.25
		A	0.000	0.000	3.966	0.000	0.00
		B	0.000	0.000	10.530	0.000	0.08
L51	28.00-27.75	C	0.000	0.000	6.569	0.000	0.05
		A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	1.328	0.000	0.01
L52	27.75-22.75	C	0.000	0.000	0.828	0.000	0.01
		A	0.000	0.000	20.292	0.000	0.26
		B	0.000	0.000	36.843	0.000	0.47
L53	22.75-20.08	C	0.000	0.000	26.854	0.000	0.39
		A	0.000	0.000	10.445	0.000	0.15
		B	0.000	0.000	19.274	0.000	0.26
L54	20.08-19.83	C	0.000	0.000	13.946	0.000	0.22
		A	0.000	0.000	0.792	0.000	0.01
		B	0.000	0.000	1.619	0.000	0.02
L55	19.83-17.00	C	0.000	0.000	1.120	0.000	0.02
		A	0.000	0.000	10.971	0.000	0.16
		B	0.000	0.000	20.349	0.000	0.27
L56	17.00-16.75	C	0.000	0.000	16.689	0.000	0.23
		A	0.000	0.000	0.792	0.000	0.01
		B	0.000	0.000	1.619	0.000	0.02
L57	16.75-11.65	C	0.000	0.000	1.120	0.000	0.02
		A	0.000	0.000	13.940	0.000	0.23
		B	0.000	0.000	30.822	0.000	0.44
L58	11.65-11.42	C	0.000	0.000	21.645	0.000	0.36
		A	0.000	0.000	0.233	0.000	0.00
		B	0.000	0.000	1.004	0.000	0.01
L59	11.42-9.40	C	0.000	0.000	0.694	0.000	0.01
		A	0.000	0.000	3.007	0.000	0.00
		B	0.000	0.000	9.697	0.000	0.08
L60	9.40-9.15	C	0.000	0.000	6.021	0.000	0.05
		A	0.000	0.000	0.417	0.000	0.00
		B	0.000	0.000	1.244	0.000	0.01
L61	9.15-4.83	C	0.000	0.000	0.745	0.000	0.01
		A	0.000	0.000	7.188	0.000	0.00
		B	0.000	0.000	21.466	0.000	0.18
L62	4.83-4.58	C	0.000	0.000	12.849	0.000	0.11
		A	0.000	0.000	0.417	0.000	0.00
		B	0.000	0.000	1.244	0.000	0.01
L63	4.58-0.00	C	0.000	0.000	0.745	0.000	0.00
		A	0.000	0.000	7.638	0.000	0.00
		B	0.000	0.000	9.568	0.000	0.02

Tower Section n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
		C	0.000	0.000	10.992	0.000	0.02

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	191.67-186.67	A	1.518	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	3.724	0.000	0.08
L2	186.67-181.57	A	1.514	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	3.790	0.000	0.10
L3	181.57-176.57	A	1.510	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	3.707	0.000	0.12
L4	176.57-171.57	A	1.506	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	3.699	0.000	0.12
L5	171.57-166.57	A	1.501	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	5.797	0.000	0.16
L6	166.57-161.57	A	1.497	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	6.053	0.000	0.16
L7	161.57-156.57	A	1.492	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	13.077	0.000	0.18
		C		0.000	0.000	6.039	0.000	0.16
L8	156.57-151.57	A	1.487	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	19.035	0.000	0.26
		C		0.000	0.000	6.025	0.000	0.16
L9	151.57-146.57	A	1.483	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	19.024	0.000	0.26
		C		0.000	0.000	6.010	0.000	0.19
L10	146.57-141.57	A	1.477	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	19.012	0.000	0.26
		C		0.000	0.000	5.995	0.000	0.20
L11	141.57-141.42	A	1.475	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.570	0.000	0.01
		C		0.000	0.000	0.180	0.000	0.01
L12	141.42-136.42	A	1.472	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	19.000	0.000	0.26
		C		0.000	0.000	5.979	0.000	0.20
L13	136.42-131.42	A	1.467	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	18.988	0.000	0.25
		C		0.000	0.000	5.963	0.000	0.20
L14	131.42-126.42	A	1.461	0.000	0.000	0.510	0.000	0.02
		B		0.000	0.000	19.485	0.000	0.27
		C		0.000	0.000	6.456	0.000	0.21
L15	126.42-121.42	A	1.455	0.000	0.000	3.327	0.000	0.26
		B		0.000	0.000	22.290	0.000	0.51
		C		0.000	0.000	9.256	0.000	0.45
L16	121.42-121.17	A	1.452	0.000	0.000	0.155	0.000	0.01
		B		0.000	0.000	1.103	0.000	0.02
		C		0.000	0.000	0.451	0.000	0.02
L17	121.17-116.17	A	1.449	0.000	0.000	2.176	0.000	0.08
		B		0.000	0.000	21.124	0.000	0.33
		C		0.000	0.000	8.086	0.000	0.28
L18	116.17-111.17	A	1.443	0.000	0.000	1.028	0.000	0.01
		B		0.000	0.000	26.466	0.000	0.62
		C		0.000	0.000	5.891	0.000	0.19
L19	111.17-110.04	A	1.439	0.000	0.000	3.081	0.000	0.03
		B		0.000	0.000	6.010	0.000	0.14
		C		0.000	0.000	1.323	0.000	0.04
L20	110.04-109.79	A	1.438	0.000	0.000	0.685	0.000	0.01
		B		0.000	0.000	1.335	0.000	0.03

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
L21	109.79-105.08	C	1.435	0.000	0.000	0.294	0.000	0.01
		A		0.000	0.000	15.362	0.000	0.19
		B		0.000	0.000	27.607	0.000	0.65
L22	105.08-104.83	C	1.431	0.000	0.000	7.996	0.000	0.25
		A		0.000	0.000	1.030	0.000	0.02
		B		0.000	0.000	1.679	0.000	0.04
L23	104.83-100.92	C	1.429	0.000	0.000	0.638	0.000	0.02
		A		0.000	0.000	15.424	0.000	0.47
		B		0.000	0.000	27.302	0.000	0.87
L24	100.92-100.67	C	1.426	0.000	0.000	11.001	0.000	0.53
		A		0.000	0.000	0.329	0.000	0.01
		B		0.000	0.000	1.662	0.000	0.04
L25	100.67-95.83	C	1.422	0.000	0.000	0.621	0.000	0.02
		A		0.000	0.000	4.946	0.000	0.14
		B		0.000	0.000	30.695	0.000	0.74
L26	95.83-95.58	C	1.418	0.000	0.000	10.581	0.000	0.32
		A		0.000	0.000	0.258	0.000	0.00
		B		0.000	0.000	1.589	0.000	0.03
L27	95.58-90.58	C	1.414	0.000	0.000	0.549	0.000	0.01
		A		0.000	0.000	5.924	0.000	0.05
		B		0.000	0.000	32.522	0.000	0.67
L28	90.58-89.92	C	1.410	0.000	0.000	11.729	0.000	0.25
		A		0.000	0.000	1.293	0.000	0.01
		B		0.000	0.000	4.834	0.000	0.09
L29	89.92-89.67	C	1.409	0.000	0.000	2.065	0.000	0.04
		A		0.000	0.000	0.561	0.000	0.01
		B		0.000	0.000	1.890	0.000	0.04
L30	89.67-84.67	C	1.405	0.000	0.000	0.850	0.000	0.02
		A		0.000	0.000	14.273	0.000	0.37
		B		0.000	0.000	40.830	0.000	0.99
L31	84.67-80.83	C	1.398	0.000	0.000	20.051	0.000	0.56
		A		0.000	0.000	11.514	0.000	0.58
		B		0.000	0.000	31.853	0.000	1.06
L32	80.83-80.33	C	1.394	0.000	0.000	15.928	0.000	0.73
		A		0.000	0.000	0.796	0.000	0.05
		B		0.000	0.000	3.447	0.000	0.12
L33	80.33-80.08	C	1.393	0.000	0.000	1.371	0.000	0.07
		A		0.000	0.000	0.507	0.000	0.02
		B		0.000	0.000	1.832	0.000	0.05
L34	80.08-75.08	C	1.389	0.000	0.000	0.794	0.000	0.03
		A		0.000	0.000	10.839	0.000	0.23
		B		0.000	0.000	37.322	0.000	0.85
L35	75.08-70.08	C	1.380	0.000	0.000	16.568	0.000	0.42
		A		0.000	0.000	14.775	0.000	0.39
		B		0.000	0.000	42.049	0.000	1.01
L36	70.08-69.50	C	1.374	0.000	0.000	20.476	0.000	0.58
		A		0.000	0.000	2.594	0.000	0.07
		B		0.000	0.000	6.202	0.000	0.15
L37	69.50-69.25	C	1.373	0.000	0.000	3.257	0.000	0.09
		A		0.000	0.000	1.112	0.000	0.03
		B		0.000	0.000	2.659	0.000	0.06
L38	69.25-64.25	C	1.368	0.000	0.000	1.396	0.000	0.04
		A		0.000	0.000	23.445	0.000	1.36
		B		0.000	0.000	55.039	0.000	2.04
L39	64.25-60.58	C	1.359	0.000	0.000	29.112	0.000	1.55
		A		0.000	0.000	18.035	0.000	1.13
		B		0.000	0.000	42.882	0.000	1.75
L40	60.58-60.33	C	1.355	0.000	0.000	22.171	0.000	1.27
		A		0.000	0.000	0.678	0.000	0.03
		B		0.000	0.000	2.169	0.000	0.07
L41	60.33-55.33	C	1.349	0.000	0.000	0.959	0.000	0.04
		A		0.000	0.000	19.007	0.000	0.60
		B		0.000	0.000	46.933	0.000	1.26
L42	55.33-52.17	C	1.339	0.000	0.000	24.615	0.000	0.78
		A		0.000	0.000	4.463	0.000	0.04
		B		0.000	0.000	21.089	0.000	0.43
L43	52.17-51.92	C	1.334	0.000	0.000	7.995	0.000	0.16
		A		0.000	0.000	0.337	0.000	0.00
		B		0.000	0.000	1.649	0.000	0.03

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
L44	51.92-46.92	C	1.328	0.000	0.000	0.616	0.000	0.01
		A		0.000	0.000	14.294	0.000	0.20
		B		0.000	0.000	42.008	0.000	0.85
L45	46.92-41.92	C	1.313	0.000	0.000	23.576	0.000	0.42
		A		0.000	0.000	27.227	0.000	0.54
		B		0.000	0.000	55.513	0.000	1.21
L46	41.92-40.23	C	1.303	0.000	0.000	38.473	0.000	0.78
		A		0.000	0.000	8.203	0.000	0.17
		B		0.000	0.000	17.562	0.000	0.39
L47	40.23-39.98	C	1.300	0.000	0.000	11.978	0.000	0.25
		A		0.000	0.000	0.917	0.000	0.02
		B		0.000	0.000	2.221	0.000	0.05
L48	39.98-34.98	C	1.291	0.000	0.000	1.477	0.000	0.03
		A		0.000	0.000	21.816	0.000	0.45
		B		0.000	0.000	47.860	0.000	1.05
L49	34.98-29.98	C	1.273	0.000	0.000	30.480	0.000	0.66
		A		0.000	0.000	11.705	0.000	0.21
		B		0.000	0.000	37.668	0.000	0.80
L50	29.98-28.00	C	1.259	0.000	0.000	17.106	0.000	0.39
		A		0.000	0.000	4.749	0.000	0.04
		B		0.000	0.000	15.020	0.000	0.27
L51	28.00-27.75	C	1.254	0.000	0.000	9.133	0.000	0.13
		A		0.000	0.000	0.598	0.000	0.00
		B		0.000	0.000	1.892	0.000	0.03
L52	27.75-22.75	C	1.241	0.000	0.000	1.150	0.000	0.02
		A		0.000	0.000	23.807	0.000	0.45
		B		0.000	0.000	49.627	0.000	1.03
L53	22.75-20.08	C	1.221	0.000	0.000	34.800	0.000	0.67
		A		0.000	0.000	12.175	0.000	0.24
		B		0.000	0.000	25.898	0.000	0.55
L54	20.08-19.83	C	1.212	0.000	0.000	18.000	0.000	0.36
		A		0.000	0.000	0.907	0.000	0.02
		B		0.000	0.000	2.192	0.000	0.05
L55	19.83-17.00	C	1.203	0.000	0.000	1.452	0.000	0.03
		A		0.000	0.000	12.754	0.000	0.25
		B		0.000	0.000	27.286	0.000	0.58
L56	17.00-16.75	C	1.192	0.000	0.000	21.387	0.000	0.39
		A		0.000	0.000	0.931	0.000	0.02
		B		0.000	0.000	2.211	0.000	0.05
L57	16.75-11.65	C	1.172	0.000	0.000	1.498	0.000	0.03
		A		0.000	0.000	16.424	0.000	0.34
		B		0.000	0.000	42.442	0.000	0.92
L58	11.65-11.42	C	1.148	0.000	0.000	29.170	0.000	0.58
		A		0.000	0.000	0.286	0.000	0.00
		B		0.000	0.000	1.470	0.000	0.03
L59	11.42-9.40	C	1.136	0.000	0.000	1.001	0.000	0.01
		A		0.000	0.000	3.755	0.000	0.03
		B		0.000	0.000	13.999	0.000	0.25
L60	9.40-9.15	C	1.123	0.000	0.000	8.655	0.000	0.12
		A		0.000	0.000	0.521	0.000	0.00
		B		0.000	0.000	1.786	0.000	0.03
L61	9.15-4.83	C	1.092	0.000	0.000	1.067	0.000	0.01
		A		0.000	0.000	8.952	0.000	0.06
		B		0.000	0.000	30.644	0.000	0.53
L62	4.83-4.58	C	1.049	0.000	0.000	18.259	0.000	0.24
		A		0.000	0.000	0.516	0.000	0.00
		B		0.000	0.000	1.764	0.000	0.03
L63	4.58-0.00	C	0.976	0.000	0.000	1.047	0.000	0.01
		A		0.000	0.000	9.355	0.000	0.05
		B		0.000	0.000	12.227	0.000	0.11
		C		0.000	0.000	14.119	0.000	0.11

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	191.67-186.67	-0.0035	1.2477	-0.0115	2.4465
L2	186.67-181.57	-0.0036	1.2763	-0.0126	2.6648
L3	181.57-176.57	-0.0036	1.2763	-0.0126	2.6607
L4	176.57-171.57	-0.0036	1.2763	-0.0126	2.6566
L5	171.57-166.57	-1.0859	1.9302	-1.1483	3.1890
L6	166.57-161.57	-1.2083	2.0042	-1.2747	3.2448
L7	161.57-156.57	3.0783	-4.9801	1.7639	-2.3580
L8	156.57-151.57	3.8069	-6.1671	2.4156	-3.5595
L9	151.57-146.57	3.8069	-6.1671	2.4176	-3.5634
L10	146.57-141.57	3.8069	-6.1671	2.4196	-3.5674
L11	141.57-141.42	3.8069	-6.1671	2.4206	-3.5695
L12	141.42-136.42	4.8486	-7.8483	3.0918	-4.5395
L13	136.42-131.42	4.8486	-7.8483	3.0942	-4.5445
L14	131.42-126.42	4.7133	-7.4550	3.0640	-4.3988
L15	126.42-121.42	4.1707	-5.8429	2.9250	-3.7121
L16	121.42-121.17	4.2187	-6.0184	2.9286	-3.7649
L17	121.17-116.17	4.7890	-7.0445	3.2641	-4.3532
L18	116.17-111.17	6.0084	-9.3225	4.3917	-6.2711
L19	111.17-110.04	-0.5021	-2.4794	0.4479	-2.3986
L20	110.04-109.79	-0.5021	-2.4794	0.4479	-2.3989
L21	109.79-105.08	-0.4576	-2.0400	0.3884	-2.0937
L22	105.08-104.83	-0.3386	-1.3265	0.3145	-1.7101
L23	104.83-100.92	0.1664	-1.7408	0.7298	-2.0447
L24	100.92-100.67	3.7937	-5.5430	3.9203	-5.3338
L25	100.67-95.83	5.2139	-7.6824	4.1600	-5.7126
L26	95.83-95.58	5.3041	-7.9319	4.1771	-5.8180
L27	95.58-90.58	5.0740	-7.5877	4.0613	-5.6577
L28	90.58-89.92	3.3857	-5.0630	3.5573	-4.9563
L29	89.92-89.67	2.9806	-4.9142	3.2103	-4.8393
L30	89.67-84.67	2.2860	-4.6618	2.5967	-4.6357
L31	84.67-80.83	2.1944	-4.5422	2.5032	-4.5291
L32	80.83-80.33	3.0505	-6.1960	3.4199	-6.1182
L33	80.33-80.08	3.0844	-5.7337	3.4474	-5.7117
L34	80.08-75.08	3.7637	-5.5466	4.0432	-5.5315
L35	75.08-70.08	3.8552	-4.7424	4.0985	-4.8666
L36	70.08-69.50	1.5218	-3.4096	1.8998	-3.6307
L37	69.50-69.25	1.5218	-3.4096	1.8998	-3.6309
L38	69.25-64.25	1.5847	-3.2928	1.9677	-3.4691
L39	64.25-60.58	0.8865	-2.9593	1.2752	-3.0759
L40	60.58-60.33	1.9570	-4.7280	2.3312	-4.9066
L41	60.33-55.33	2.7372	-4.1226	3.0342	-4.3485
L42	55.33-52.17	5.1793	-7.4066	4.3250	-5.7949
L43	52.17-51.92	5.2041	-7.4889	4.3328	-5.8328
L44	51.92-46.92	4.4835	-5.7216	4.8345	-5.4773
L45	46.92-41.92	4.2388	-5.2460	4.5752	-5.0354
L46	41.92-40.23	4.4757	-5.7021	4.7849	-5.5214
L47	40.23-39.98	4.9330	-6.8692	5.1256	-6.9130
L48	39.98-34.98	4.0823	-5.7433	4.3015	-5.8327
L49	34.98-29.98	3.9832	-5.8622	4.2863	-5.9619
L50	29.98-28.00	0.3373	-6.9814	1.1101	-6.9388
L51	28.00-27.75	0.3373	-6.9814	1.1098	-6.9409
L52	27.75-22.75	0.1177	-4.5258	0.7119	-4.7327
L53	22.75-20.08	0.1134	-4.5909	0.7192	-4.8109
L54	20.08-19.83	0.1268	-5.1333	0.8011	-5.3646
L55	19.83-17.00	0.9057	-4.9221	1.4832	-5.1375
L56	17.00-16.75	3.7570	-4.0941	4.1093	-4.4235
L57	16.75-11.65	3.7037	-4.2918	4.0496	-4.6016
L58	11.65-11.42	4.1831	-5.9101	4.4657	-6.0219
L59	11.42-9.40	4.7320	-7.6560	4.9822	-7.7144
L60	9.40-9.15	4.9161	-8.2415	5.1571	-8.2881
L61	9.15-4.83	4.9161	-8.2415	5.1608	-8.3033
L62	4.83-4.58	4.9161	-8.2415	5.1660	-8.3239
L63	4.58-0.00	3.3262	-5.2537	3.3643	-5.5677

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	219	Safety Line 3/8	186.67 - 191.67	1.0000	1.0000
L1	220	Step Pegs	186.67 - 191.67	1.0000	1.0000
L2	219	Safety Line 3/8	181.57 - 186.67	1.0000	1.0000
L2	220	Step Pegs	181.57 - 186.67	1.0000	1.0000
L3	219	Safety Line 3/8	176.57 - 181.57	1.0000	1.0000
L3	220	Step Pegs	176.57 - 181.57	1.0000	1.0000
L4	219	Safety Line 3/8	171.57 - 176.57	1.0000	1.0000
L4	220	Step Pegs	171.57 - 176.57	1.0000	1.0000
L5	188	CU12PSM6P4XXX(1-3/4)	166.57 - 171.00	1.0000	1.0000
L5	219	Safety Line 3/8	166.57 - 171.57	1.0000	1.0000
L5	220	Step Pegs	166.57 - 171.57	1.0000	1.0000
L6	188	CU12PSM6P4XXX(1-3/4)	161.57 - 166.57	1.0000	1.0000
L6	219	Safety Line 3/8	161.57 - 166.57	1.0000	1.0000
L6	220	Step Pegs	161.57 - 166.57	1.0000	1.0000
L7	188	CU12PSM6P4XXX(1-3/4)	156.57 - 161.57	1.0000	1.0000
L7	191	AL7-50(1-5/8)	156.57 - 160.00	1.0000	1.0000
L7	193	HB158-U12S24-XXX-LI(1-5/8)	156.57 - 160.00	1.0000	1.0000
L7	219	Safety Line 3/8	156.57 - 161.57	1.0000	1.0000
L7	220	Step Pegs	156.57 - 161.57	1.0000	1.0000
L8	188	CU12PSM6P4XXX(1-3/4)	151.57 - 156.57	1.0000	1.0000
L8	191	AL7-50(1-5/8)	151.57 - 156.57	1.0000	1.0000
L8	193	HB158-U12S24-XXX-LI(1-5/8)	151.57 - 156.57	1.0000	1.0000
L8	219	Safety Line 3/8	151.57 - 156.57	1.0000	1.0000
L8	220	Step Pegs	151.57 - 156.57	1.0000	1.0000
L9	188	CU12PSM6P4XXX(1-3/4)	146.57 - 151.57	1.0000	1.0000
L9	191	AL7-50(1-5/8)	146.57 - 151.57	1.0000	1.0000
L9	193	HB158-U12S24-XXX-LI(1-5/8)	146.57 - 151.57	1.0000	1.0000
L9	219	Safety Line 3/8	146.57 - 151.57	1.0000	1.0000
L9	220	Step Pegs	146.57 - 151.57	1.0000	1.0000
L10	188	CU12PSM6P4XXX(1-3/4)	141.57 - 146.57	1.0000	1.0000
L10	191	AL7-50(1-5/8)	141.57 - 146.57	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L10	193	HB158-U12S24-XXX-LI(1-5/8)	141.57 - 146.57	1.0000	1.0000
L10	219	Safety Line 3/8	141.57 - 146.57	1.0000	1.0000
L10	220	Step Pegs	141.57 - 146.57	1.0000	1.0000
L11	188	CU12PSM6P4XXX(1-3/4)	141.42 - 141.57	1.0000	1.0000
L11	191	AL7-50(1-5/8)	141.42 - 141.57	1.0000	1.0000
L11	193	HB158-U12S24-XXX-LI(1-5/8)	141.42 - 141.57	1.0000	1.0000
L11	219	Safety Line 3/8	141.42 - 141.57	1.0000	1.0000
L11	220	Step Pegs	141.42 - 141.57	1.0000	1.0000
L12	188	CU12PSM6P4XXX(1-3/4)	136.42 - 141.42	1.0000	1.0000
L12	191	AL7-50(1-5/8)	136.42 - 141.42	1.0000	1.0000
L12	193	HB158-U12S24-XXX-LI(1-5/8)	136.42 - 141.42	1.0000	1.0000
L12	219	Safety Line 3/8	136.42 - 141.42	1.0000	1.0000
L12	220	Step Pegs	136.42 - 141.42	1.0000	1.0000
L13	188	CU12PSM6P4XXX(1-3/4)	131.42 - 136.42	1.0000	1.0000
L13	191	AL7-50(1-5/8)	131.42 - 136.42	1.0000	1.0000
L13	193	HB158-U12S24-XXX-LI(1-5/8)	131.42 - 136.42	1.0000	1.0000
L13	219	Safety Line 3/8	131.42 - 136.42	1.0000	1.0000
L13	220	Step Pegs	131.42 - 136.42	1.0000	1.0000
L14	151	CCI 4.5" x 1" Plate	126.42 - 127.17	1.0000	1.0000
L14	152	CCI 4.5" x 1" Plate	126.42 - 127.17	1.0000	1.0000
L14	153	CCI 4.5" x 1" Plate	126.42 - 127.17	1.0000	1.0000
L14	188	CU12PSM6P4XXX(1-3/4)	126.42 - 131.42	1.0000	1.0000
L14	191	AL7-50(1-5/8)	126.42 - 131.42	1.0000	1.0000
L14	193	HB158-U12S24-XXX-LI(1-5/8)	126.42 - 131.42	1.0000	1.0000
L14	219	Safety Line 3/8	126.42 - 131.42	1.0000	1.0000
L14	220	Step Pegs	126.42 - 131.42	1.0000	1.0000
L15	143	CCI 4.5" x 1" Plate	121.42 - 121.67	1.0000	1.0000
L15	144	CCI 4.5" x 1" Plate	121.42 - 121.67	1.0000	1.0000
L15	145	CCI 4.5" x 1" Plate	121.42 - 121.67	1.0000	1.0000
L15	147	CCI 4.5" x 4" Plate	121.67 - 124.42	1.0000	1.0000
L15	148	CCI 4.5" x 4" Plate	121.67 - 124.42	1.0000	1.0000
L15	149	CCI 4.5" x 4" Plate	121.67 - 124.42	1.0000	1.0000
L15	151	CCI 4.5" x 1" Plate	124.42 - 126.42	1.0000	1.0000
L15	152	CCI 4.5" x 1" Plate	124.42 - 126.42	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L15	153	CCI 4.5" x 1" Plate	124.42 - 126.42	1.0000	1.0000
L15	188	CU12PSM6P4XXX(1-3/4)	121.42 - 126.42	1.0000	1.0000
L15	191	AL7-50(1-5/8)	121.42 - 126.42	1.0000	1.0000
L15	193	HB158-U12S24-XXX-LI(1-5/8)	121.42 - 126.42	1.0000	1.0000
L15	219	Safety Line 3/8	121.42 - 126.42	1.0000	1.0000
L15	220	Step Pegs	121.42 - 126.42	1.0000	1.0000
L16	143	CCI 4.5" x 1" Plate	121.17 - 121.42	1.0000	1.0000
L16	144	CCI 4.5" x 1" Plate	121.17 - 121.42	1.0000	1.0000
L16	145	CCI 4.5" x 1" Plate	121.17 - 121.42	1.0000	1.0000
L16	188	CU12PSM6P4XXX(1-3/4)	121.17 - 121.42	1.0000	1.0000
L16	191	AL7-50(1-5/8)	121.17 - 121.42	1.0000	1.0000
L16	193	HB158-U12S24-XXX-LI(1-5/8)	121.17 - 121.42	1.0000	1.0000
L16	219	Safety Line 3/8	121.17 - 121.42	1.0000	1.0000
L16	220	Step Pegs	121.17 - 121.42	1.0000	1.0000
L17	139	CCI 4.5" x 1" Plate	117.92 - 120.67	1.0000	1.0000
L17	140	CCI 4.5" x 1" Plate	117.92 - 120.67	1.0000	1.0000
L17	141	CCI 4.5" x 1" Plate	117.92 - 120.67	1.0000	1.0000
L17	143	CCI 4.5" x 1" Plate	120.67 - 121.17	1.0000	1.0000
L17	144	CCI 4.5" x 1" Plate	120.67 - 121.17	1.0000	1.0000
L17	145	CCI 4.5" x 1" Plate	120.67 - 121.17	1.0000	1.0000
L17	188	CU12PSM6P4XXX(1-3/4)	116.17 - 121.17	1.0000	1.0000
L17	191	AL7-50(1-5/8)	116.17 - 121.17	1.0000	1.0000
L17	193	HB158-U12S24-XXX-LI(1-5/8)	116.17 - 121.17	1.0000	1.0000
L17	219	Safety Line 3/8	116.17 - 121.17	1.0000	1.0000
L17	220	Step Pegs	116.17 - 121.17	1.0000	1.0000
L18	56	CCI 4.5" x 1" Plate	111.17 - 111.54	1.0000	1.0000
L18	57	CCI 4.5" x 1" Plate	111.17 - 111.54	1.0000	1.0000
L18	58	CCI 4.5" x 1" Plate	111.17 - 111.54	1.0000	1.0000
L18	188	CU12PSM6P4XXX(1-3/4)	111.17 - 116.17	1.0000	1.0000
L18	191	AL7-50(1-5/8)	111.17 - 116.17	1.0000	1.0000
L18	193	HB158-U12S24-XXX-LI(1-5/8)	111.17 - 116.17	1.0000	1.0000
L18	201	LDF7-50A(1-5/8)	111.17 - 116.00	1.0000	1.0000
L18	202	Banjo	111.17 - 116.00	1.0000	1.0000
L18	219	Safety Line 3/8	111.17 - 116.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L18	220	Step Pegs	111.17 - 116.17	1.0000	1.0000
L19	56	CCI 4.5" x 1" Plate	110.04 - 111.17	1.0000	1.0000
L19	57	CCI 4.5" x 1" Plate	110.04 - 111.17	1.0000	1.0000
L19	58	CCI 4.5" x 1" Plate	110.04 - 111.17	1.0000	1.0000
L19	188	CU12PSM6P4XXX(1-3/4)	110.04 - 111.17	1.0000	1.0000
L19	191	AL7-50(1-5/8)	110.04 - 111.17	1.0000	1.0000
L19	193	HB158-U12S24-XXX-LI(1-5/8)	110.04 - 111.17	1.0000	1.0000
L19	201	LDF7-50A(1-5/8)	110.04 - 111.17	1.0000	1.0000
L19	202	Banjo	110.04 - 111.17	1.0000	1.0000
L19	219	Safety Line 3/8	110.04 - 111.17	1.0000	1.0000
L19	220	Step Pegs	110.04 - 111.17	1.0000	1.0000
L20	56	CCI 4.5" x 1" Plate	109.79 - 110.04	1.0000	1.0000
L20	57	CCI 4.5" x 1" Plate	109.79 - 110.04	1.0000	1.0000
L20	58	CCI 4.5" x 1" Plate	109.79 - 110.04	1.0000	1.0000
L20	188	CU12PSM6P4XXX(1-3/4)	109.79 - 110.04	1.0000	1.0000
L20	191	AL7-50(1-5/8)	109.79 - 110.04	1.0000	1.0000
L20	193	HB158-U12S24-XXX-LI(1-5/8)	109.79 - 110.04	1.0000	1.0000
L20	201	LDF7-50A(1-5/8)	109.79 - 110.04	1.0000	1.0000
L20	202	Banjo	109.79 - 110.04	1.0000	1.0000
L20	219	Safety Line 3/8	109.79 - 110.04	1.0000	1.0000
L20	220	Step Pegs	109.79 - 110.04	1.0000	1.0000
L21	18	CCI 4" x 0.75" Plate	105.08 - 106.58	1.0000	1.0000
L21	19	CCI 4" x 0.75" Plate	105.08 - 106.58	1.0000	1.0000
L21	20	CCI 4" x 0.75" Plate	105.08 - 106.58	1.0000	1.0000
L21	56	CCI 4.5" x 1" Plate	105.08 - 109.79	1.0000	1.0000
L21	57	CCI 4.5" x 1" Plate	105.08 - 109.79	1.0000	1.0000
L21	58	CCI 4.5" x 1" Plate	105.08 - 109.79	1.0000	1.0000
L21	135	CCI 4.5" x 1" Plate	105.08 - 107.17	1.0000	1.0000
L21	136	CCI 4.5" x 1" Plate	105.08 - 107.17	1.0000	1.0000
L21	137	CCI 4.5" x 1" Plate	105.08 - 107.17	1.0000	1.0000
L21	188	CU12PSM6P4XXX(1-3/4)	105.08 - 109.79	1.0000	1.0000
L21	191	AL7-50(1-5/8)	105.08 - 109.79	1.0000	1.0000
L21	193	HB158-U12S24-XXX-LI(1-5/8)	105.08 - 109.79	1.0000	1.0000
L21	201	LDF7-50A(1-5/8)	105.08 - 109.79	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L21	202	Banjo	105.08 - 109.79	1.0000	1.0000
L21	219	Safety Line 3/8	105.08 - 109.79	1.0000	1.0000
L21	220	Step Pegs	105.08 - 109.79	1.0000	1.0000
L22	18	CCI 4" x 0.75" Plate	104.83 - 105.08	1.0000	1.0000
L22	19	CCI 4" x 0.75" Plate	104.83 - 105.08	1.0000	1.0000
L22	20	CCI 4" x 0.75" Plate	104.83 - 105.08	1.0000	1.0000
L22	56	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	57	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	58	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	135	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	136	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	137	CCI 4.5" x 1" Plate	104.83 - 105.08	1.0000	1.0000
L22	188	CU12PSM6P4XXX(1-3/4)	104.83 - 105.08	1.0000	1.0000
L22	191	AL7-50(1-5/8)	104.83 - 105.08	1.0000	1.0000
L22	193	HB158-U12S24-XXX-LI(1-5/8)	104.83 - 105.08	1.0000	1.0000
L22	201	LDF7-50A(1-5/8)	104.83 - 105.08	1.0000	1.0000
L22	202	Banjo	104.83 - 105.08	1.0000	1.0000
L22	219	Safety Line 3/8	104.83 - 105.08	1.0000	1.0000
L22	220	Step Pegs	104.83 - 105.08	1.0000	1.0000
L23	18	CCI 4" x 0.75" Plate	101.58 - 104.83	1.0000	1.0000
L23	19	CCI 4" x 0.75" Plate	101.58 - 104.83	1.0000	1.0000
L23	20	CCI 4" x 0.75" Plate	101.58 - 104.83	1.0000	1.0000
L23	56	CCI 4.5" x 1" Plate	101.54 - 104.83	1.0000	1.0000
L23	57	CCI 4.5" x 1" Plate	101.54 - 104.83	1.0000	1.0000
L23	58	CCI 4.5" x 1" Plate	101.54 - 104.83	1.0000	1.0000
L23	127	CCI 4.5" x 1" Plate	100.92 - 101.42	1.0000	1.0000
L23	128	CCI 4.5" x 1" Plate	100.92 - 101.42	1.0000	1.0000
L23	129	CCI 4.5" x 1" Plate	100.92 - 101.42	1.0000	1.0000
L23	131	CCI 4.5" x 4" Plate	101.42 - 104.42	1.0000	1.0000
L23	132	CCI 4.5" x 4" Plate	101.42 - 104.42	1.0000	1.0000
L23	133	CCI 4.5" x 4" Plate	101.42 - 104.42	1.0000	1.0000
L23	135	CCI 4.5" x 1" Plate	104.42 - 104.83	1.0000	1.0000
L23	136	CCI 4.5" x 1" Plate	104.42 - 104.83	1.0000	1.0000
L23	137	CCI 4.5" x 1" Plate	104.42 - 104.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L23	173	CCI 4.5" x 1" Plate	100.92 - 101.79	1.0000	1.0000
L23	174	CCI 4.5" x 1" Plate	100.92 - 101.79	1.0000	1.0000
L23	175	CCI 4.5" x 1" Plate	100.92 - 101.79	1.0000	1.0000
L23	177	CCI 4.5" x 3" Plate	101.79 - 103.29	1.0000	1.0000
L23	178	CCI 4.5" x 3" Plate	101.79 - 103.29	1.0000	1.0000
L23	179	CCI 4.5" x 3" Plate	101.79 - 103.29	1.0000	1.0000
L23	188	CU12PSM6P4XXX(1-3/4)	100.92 - 104.83	1.0000	1.0000
L23	191	AL7-50(1-5/8)	100.92 - 104.83	1.0000	1.0000
L23	193	HB158-U12S24-XXX-LI(1-5/8)	100.92 - 104.83	1.0000	1.0000
L23	201	LDF7-50A(1-5/8)	100.92 - 104.83	1.0000	1.0000
L23	202	Banjo	100.92 - 104.83	1.0000	1.0000
L23	219	Safety Line 3/8	100.92 - 104.83	1.0000	1.0000
L23	220	Step Pegs	100.92 - 104.83	1.0000	1.0000
L24	127	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	128	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	129	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	173	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	174	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	175	CCI 4.5" x 1" Plate	100.67 - 100.92	1.0000	1.0000
L24	188	CU12PSM6P4XXX(1-3/4)	100.67 - 100.92	1.0000	1.0000
L24	191	AL7-50(1-5/8)	100.67 - 100.92	1.0000	1.0000
L24	193	HB158-U12S24-XXX-LI(1-5/8)	100.67 - 100.92	1.0000	1.0000
L24	201	LDF7-50A(1-5/8)	100.67 - 100.92	1.0000	1.0000
L24	202	Banjo	100.67 - 100.92	1.0000	1.0000
L24	219	Safety Line 3/8	100.67 - 100.92	1.0000	1.0000
L24	220	Step Pegs	100.67 - 100.92	1.0000	1.0000
L25	52	CCI 4.5" x 1" Plate	95.83 - 97.33	1.0000	1.0000
L25	53	CCI 4.5" x 1" Plate	95.83 - 97.33	1.0000	1.0000
L25	54	CCI 4.5" x 1" Plate	95.83 - 97.33	1.0000	1.0000
L25	123	CCI 4.5" x 1" Plate	97.92 - 100.42	1.0000	1.0000
L25	124	CCI 4.5" x 1" Plate	97.92 - 100.42	1.0000	1.0000
L25	125	CCI 4.5" x 1" Plate	97.92 - 100.42	1.0000	1.0000
L25	127	CCI 4.5" x 1" Plate	100.42 - 100.67	1.0000	1.0000
L25	128	CCI 4.5" x 1" Plate	100.42 - 100.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L25	129	CCI 4.5" x 1" Plate	100.42 - 100.67	1.0000	1.0000
L25	173	CCI 4.5" x 1" Plate	98.42 - 100.67	1.0000	1.0000
L25	174	CCI 4.5" x 1" Plate	98.42 - 100.67	1.0000	1.0000
L25	175	CCI 4.5" x 1" Plate	98.42 - 100.67	1.0000	1.0000
L25	188	CU12PSM6P4XXX(1-3/4)	95.83 - 100.67	1.0000	1.0000
L25	191	AL7-50(1-5/8)	95.83 - 100.67	1.0000	1.0000
L25	193	HB158-U12S24-XXX-LI(1-5/8)	95.83 - 100.67	1.0000	1.0000
L25	201	LDF7-50A(1-5/8)	95.83 - 100.67	1.0000	1.0000
L25	202	Banjo	95.83 - 100.67	1.0000	1.0000
L25	219	Safety Line 3/8	95.83 - 100.67	1.0000	1.0000
L25	220	Step Pegs	95.83 - 100.67	1.0000	1.0000
L26	52	CCI 4.5" x 1" Plate	95.58 - 95.83	1.0000	1.0000
L26	53	CCI 4.5" x 1" Plate	95.58 - 95.83	1.0000	1.0000
L26	54	CCI 4.5" x 1" Plate	95.58 - 95.83	1.0000	1.0000
L26	188	CU12PSM6P4XXX(1-3/4)	95.58 - 95.83	1.0000	1.0000
L26	191	AL7-50(1-5/8)	95.58 - 95.83	1.0000	1.0000
L26	193	HB158-U12S24-XXX-LI(1-5/8)	95.58 - 95.83	1.0000	1.0000
L26	201	LDF7-50A(1-5/8)	95.58 - 95.83	1.0000	1.0000
L26	202	Banjo	95.58 - 95.83	1.0000	1.0000
L26	219	Safety Line 3/8	95.58 - 95.83	1.0000	1.0000
L26	220	Step Pegs	95.58 - 95.83	1.0000	1.0000
L27	52	CCI 4.5" x 1" Plate	90.58 - 95.58	1.0000	1.0000
L27	53	CCI 4.5" x 1" Plate	90.58 - 95.58	1.0000	1.0000
L27	54	CCI 4.5" x 1" Plate	90.58 - 95.58	1.0000	1.0000
L27	60	CCI 4.5" x 1" Plate	90.58 - 91.42	1.0000	1.0000
L27	61	CCI 4.5" x 1" Plate	90.58 - 91.42	1.0000	1.0000
L27	62	CCI 4.5" x 1" Plate	90.58 - 91.42	1.0000	1.0000
L27	188	CU12PSM6P4XXX(1-3/4)	90.58 - 95.58	1.0000	1.0000
L27	191	AL7-50(1-5/8)	90.58 - 95.58	1.0000	1.0000
L27	193	HB158-U12S24-XXX-LI(1-5/8)	90.58 - 95.58	1.0000	1.0000
L27	201	LDF7-50A(1-5/8)	90.58 - 95.58	1.0000	1.0000
L27	202	Banjo	90.58 - 95.58	1.0000	1.0000
L27	219	Safety Line 3/8	90.58 - 95.58	1.0000	1.0000
L27	220	Step Pegs	90.58 - 95.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L28	52	CCI 4.5" x 1" Plate	89.92 - 90.58	1.0000	1.0000
L28	53	CCI 4.5" x 1" Plate	89.92 - 90.58	1.0000	1.0000
L28	54	CCI 4.5" x 1" Plate	89.92 - 90.58	1.0000	1.0000
L28	60	CCI 4.5" x 1" Plate	89.92 - 90.58	1.0000	1.0000
L28	61	CCI 4.5" x 1" Plate	89.92 - 90.58	1.0000	1.0000
L28	62	CCI 4.5" x 1" Plate	89.92 - 90.58	1.0000	1.0000
L28	188	CU12PSM6P4XXX(1-3/4)	89.92 - 90.58	1.0000	1.0000
L28	191	AL7-50(1-5/8)	89.92 - 90.58	1.0000	1.0000
L28	193	HB158-U12S24-XXX-LI(1-5/8)	89.92 - 90.58	1.0000	1.0000
L28	201	LDF7-50A(1-5/8)	89.92 - 90.58	1.0000	1.0000
L28	202	Banjo	89.92 - 90.58	1.0000	1.0000
L28	219	Safety Line 3/8	89.92 - 90.58	1.0000	1.0000
L28	220	Step Pegs	89.92 - 90.58	1.0000	1.0000
L29	52	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	53	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	54	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	60	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	61	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	62	CCI 4.5" x 1" Plate	89.67 - 89.92	1.0000	1.0000
L29	119	CCI 6.5" x 1.25" Plate	89.67 - 89.75	1.0000	1.0000
L29	120	CCI 6.5" x 1.25" Plate	89.67 - 89.75	1.0000	1.0000
L29	121	CCI 6.5" x 1.25" Plate	89.67 - 89.75	1.0000	1.0000
L29	188	CU12PSM6P4XXX(1-3/4)	89.67 - 89.92	1.0000	1.0000
L29	191	AL7-50(1-5/8)	89.67 - 89.92	1.0000	1.0000
L29	193	HB158-U12S24-XXX-LI(1-5/8)	89.67 - 89.92	1.0000	1.0000
L29	201	LDF7-50A(1-5/8)	89.67 - 89.92	1.0000	1.0000
L29	202	Banjo	89.67 - 89.92	1.0000	1.0000
L29	219	Safety Line 3/8	89.67 - 89.92	1.0000	1.0000
L29	220	Step Pegs	89.67 - 89.92	1.0000	1.0000
L30	52	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	53	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	54	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	60	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	61	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L30	62	CCI 4.5" x 1" Plate	84.67 - 89.67	1.0000	1.0000
L30	115	CCI 6.5" x 4.25" Plate	84.67 - 85.83	1.0000	1.0000
L30	116	CCI 6.5" x 4.25" Plate	84.67 - 85.83	1.0000	1.0000
L30	117	CCI 6.5" x 4.25" Plate	84.67 - 85.83	1.0000	1.0000
L30	119	CCI 6.5" x 1.25" Plate	85.83 - 89.67	1.0000	1.0000
L30	120	CCI 6.5" x 1.25" Plate	85.83 - 89.67	1.0000	1.0000
L30	121	CCI 6.5" x 1.25" Plate	85.83 - 89.67	1.0000	1.0000
L30	188	CU12PSM6P4XXX(1-3/4)	84.67 - 89.67	1.0000	1.0000
L30	191	AL7-50(1-5/8)	84.67 - 89.67	1.0000	1.0000
L30	193	HB158-U12S24-XXX-LI(1-5/8)	84.67 - 89.67	1.0000	1.0000
L30	201	LDF7-50A(1-5/8)	84.67 - 89.67	1.0000	1.0000
L30	202	Banjo	84.67 - 89.67	1.0000	1.0000
L30	219	Safety Line 3/8	84.67 - 89.67	1.0000	1.0000
L30	220	Step Pegs	84.67 - 89.67	1.0000	1.0000
L31	52	CCI 4.5" x 1" Plate	81.33 - 84.67	1.0000	1.0000
L31	53	CCI 4.5" x 1" Plate	81.33 - 84.67	1.0000	1.0000
L31	54	CCI 4.5" x 1" Plate	81.33 - 84.67	1.0000	1.0000
L31	60	CCI 4.5" x 1" Plate	81.42 - 84.67	1.0000	1.0000
L31	61	CCI 4.5" x 1" Plate	81.42 - 84.67	1.0000	1.0000
L31	62	CCI 4.5" x 1" Plate	81.42 - 84.67	1.0000	1.0000
L31	115	CCI 6.5" x 4.25" Plate	80.83 - 84.67	1.0000	1.0000
L31	116	CCI 6.5" x 4.25" Plate	80.83 - 84.67	1.0000	1.0000
L31	117	CCI 6.5" x 4.25" Plate	80.83 - 84.67	1.0000	1.0000
L31	165	CCI 4.5" x 1" Plate	80.83 - 81.71	1.0000	1.0000
L31	166	CCI 4.5" x 1" Plate	80.83 - 81.71	1.0000	1.0000
L31	167	CCI 4.5" x 1" Plate	80.83 - 81.71	1.0000	1.0000
L31	169	CCI 4.5" x 3" Plate	81.71 - 83.20	1.0000	1.0000
L31	170	CCI 4.5" x 3" Plate	81.71 - 83.20	1.0000	1.0000
L31	171	CCI 4.5" x 3" Plate	81.71 - 83.20	1.0000	1.0000
L31	188	CU12PSM6P4XXX(1-3/4)	80.83 - 84.67	1.0000	1.0000
L31	191	AL7-50(1-5/8)	80.83 - 84.67	1.0000	1.0000
L31	193	HB158-U12S24-XXX-LI(1-5/8)	80.83 - 84.67	1.0000	1.0000
L31	201	LDF7-50A(1-5/8)	80.83 - 84.67	1.0000	1.0000
L31	202	Banjo	80.83 - 84.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L31	219	Safety Line 3/8	80.83 - 84.67	1.0000	1.0000
L31	220	Step Pegs	80.83 - 84.67	1.0000	1.0000
L32	111	CCI 6.5" x 1.25" Plate	80.33 - 80.50	1.0000	1.0000
L32	112	CCI 6.5" x 1.25" Plate	80.33 - 80.50	1.0000	1.0000
L32	113	CCI 6.5" x 1.25" Plate	80.33 - 80.50	1.0000	1.0000
L32	115	CCI 6.5" x 4.25" Plate	80.50 - 80.83	1.0000	1.0000
L32	116	CCI 6.5" x 4.25" Plate	80.50 - 80.83	1.0000	1.0000
L32	117	CCI 6.5" x 4.25" Plate	80.50 - 80.83	1.0000	1.0000
L32	165	CCI 4.5" x 1" Plate	80.33 - 80.83	1.0000	1.0000
L32	166	CCI 4.5" x 1" Plate	80.33 - 80.83	1.0000	1.0000
L32	167	CCI 4.5" x 1" Plate	80.33 - 80.83	1.0000	1.0000
L32	188	CU12PSM6P4XXX(1-3/4)	80.33 - 80.83	1.0000	1.0000
L32	191	AL7-50(1-5/8)	80.33 - 80.83	1.0000	1.0000
L32	193	HB158-U12S24-XXX-LI(1-5/8)	80.33 - 80.83	1.0000	1.0000
L32	201	LDF7-50A(1-5/8)	80.33 - 80.83	1.0000	1.0000
L32	202	Banjo	80.33 - 80.83	1.0000	1.0000
L32	219	Safety Line 3/8	80.33 - 80.83	1.0000	1.0000
L32	220	Step Pegs	80.33 - 80.83	1.0000	1.0000
L33	14	CCI 6" x 1" Plate	80.08 - 80.17	1.0000	1.0000
L33	15	CCI 6" x 1" Plate	80.08 - 80.17	1.0000	1.0000
L33	16	CCI 6" x 1" Plate	80.08 - 80.17	1.0000	1.0000
L33	107	CCI 6.5" x 1.25" Plate	80.08 - 80.33	1.0000	1.0000
L33	108	CCI 6.5" x 1.25" Plate	80.08 - 80.33	1.0000	1.0000
L33	109	CCI 6.5" x 1.25" Plate	80.08 - 80.33	1.0000	1.0000
L33	165	CCI 4.5" x 1" Plate	80.08 - 80.33	1.0000	1.0000
L33	166	CCI 4.5" x 1" Plate	80.08 - 80.33	1.0000	1.0000
L33	167	CCI 4.5" x 1" Plate	80.08 - 80.33	1.0000	1.0000
L33	188	CU12PSM6P4XXX(1-3/4)	80.08 - 80.33	1.0000	1.0000
L33	191	AL7-50(1-5/8)	80.08 - 80.33	1.0000	1.0000
L33	193	HB158-U12S24-XXX-LI(1-5/8)	80.08 - 80.33	1.0000	1.0000
L33	201	LDF7-50A(1-5/8)	80.08 - 80.33	1.0000	1.0000
L33	202	Banjo	80.08 - 80.33	1.0000	1.0000
L33	219	Safety Line 3/8	80.08 - 80.33	1.0000	1.0000
L33	220	Step Pegs	80.08 - 80.33	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L34	14	CCI 6" x 1" Plate	75.08 - 80.08	1.0000	1.0000
L34	15	CCI 6" x 1" Plate	75.08 - 80.08	1.0000	1.0000
L34	16	CCI 6" x 1" Plate	75.08 - 80.08	1.0000	1.0000
L34	107	CCI 6.5" x 1.25" Plate	76.50 - 80.08	1.0000	1.0000
L34	108	CCI 6.5" x 1.25" Plate	76.50 - 80.08	1.0000	1.0000
L34	109	CCI 6.5" x 1.25" Plate	76.50 - 80.08	1.0000	1.0000
L34	165	CCI 4.5" x 1" Plate	78.33 - 80.08	1.0000	1.0000
L34	166	CCI 4.5" x 1" Plate	78.33 - 80.08	1.0000	1.0000
L34	167	CCI 4.5" x 1" Plate	78.33 - 80.08	1.0000	1.0000
L34	188	CU12PSM6P4XXX(1-3/4)	75.08 - 80.08	1.0000	1.0000
L34	191	AL7-50(1-5/8)	75.08 - 80.08	1.0000	1.0000
L34	193	HB158-U12S24-XXX-LI(1-5/8)	75.08 - 80.08	1.0000	1.0000
L34	201	LDF7-50A(1-5/8)	75.08 - 80.08	1.0000	1.0000
L34	202	Banjo	75.08 - 80.08	1.0000	1.0000
L34	219	Safety Line 3/8	75.08 - 80.08	1.0000	1.0000
L34	220	Step Pegs	75.08 - 80.08	1.0000	1.0000
L35	14	CCI 6" x 1" Plate	70.08 - 75.08	1.0000	1.0000
L35	15	CCI 6" x 1" Plate	70.08 - 75.08	1.0000	1.0000
L35	16	CCI 6" x 1" Plate	70.08 - 75.08	1.0000	1.0000
L35	47	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	48	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	49	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	50	CCI 4.5" x 1" Plate	70.08 - 71.00	1.0000	1.0000
L35	100	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	101	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	102	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	103	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	104	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	105	CCI 8.5" x 1.25" Plate	70.08 - 73.42	1.0000	1.0000
L35	188	CU12PSM6P4XXX(1-3/4)	70.08 - 75.08	1.0000	1.0000
L35	191	AL7-50(1-5/8)	70.08 - 75.08	1.0000	1.0000
L35	193	HB158-U12S24-XXX-LI(1-5/8)	70.08 - 75.08	1.0000	1.0000
L35	201	LDF7-50A(1-5/8)	70.08 - 75.08	1.0000	1.0000
L35	202	Banjo	70.08 - 75.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L35	219	Safety Line 3/8	70.08 - 75.08	1.0000	1.0000
L35	220	Step Pegs	70.08 - 75.08	1.0000	1.0000
L36	14	CCI 6" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	15	CCI 6" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	16	CCI 6" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	47	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	48	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	49	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	50	CCI 4.5" x 1" Plate	69.50 - 70.08	1.0000	1.0000
L36	100	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	101	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	102	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	103	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	104	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	105	CCI 8.5" x 1.25" Plate	69.50 - 70.08	1.0000	1.0000
L36	188	CU12PSM6P4XXX(1-3/4)	69.50 - 70.08	1.0000	1.0000
L36	191	AL7-50(1-5/8)	69.50 - 70.08	1.0000	1.0000
L36	193	HB158-U12S24-XXX-LI(1-5/8)	69.50 - 70.08	1.0000	1.0000
L36	201	LDF7-50A(1-5/8)	69.50 - 70.08	1.0000	1.0000
L36	202	Banjo	69.50 - 70.08	1.0000	1.0000
L36	219	Safety Line 3/8	69.50 - 70.08	1.0000	1.0000
L36	220	Step Pegs	69.50 - 70.08	1.0000	1.0000
L37	14	CCI 6" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	15	CCI 6" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	16	CCI 6" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	47	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	48	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	49	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	50	CCI 4.5" x 1" Plate	69.25 - 69.50	1.0000	1.0000
L37	100	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	101	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	102	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	103	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	104	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L37	105	CCI 8.5" x 1.25" Plate	69.25 - 69.50	1.0000	1.0000
L37	188	CU12PSM6P4XXX(1-3/4)	69.25 - 69.50	1.0000	1.0000
L37	191	AL7-50(1-5/8)	69.25 - 69.50	1.0000	1.0000
L37	193	HB158-U12S24-XXX-LI(1-5/8)	69.25 - 69.50	1.0000	1.0000
L37	201	LDF7-50A(1-5/8)	69.25 - 69.50	1.0000	1.0000
L37	202	Banjo	69.25 - 69.50	1.0000	1.0000
L37	219	Safety Line 3/8	69.25 - 69.50	1.0000	1.0000
L37	220	Step Pegs	69.25 - 69.50	1.0000	1.0000
L38	14	CCI 6" x 1" Plate	64.25 - 69.25	1.0000	1.0000
L38	15	CCI 6" x 1" Plate	64.25 - 69.25	1.0000	1.0000
L38	16	CCI 6" x 1" Plate	64.25 - 69.25	1.0000	1.0000
L38	27	1" x 2" Plate	64.25 - 66.17	1.0000	1.0000
L38	28	1" x 2" Plate	64.25 - 66.17	1.0000	1.0000
L38	29	1" x 2" Plate	64.25 - 66.17	1.0000	1.0000
L38	30	1" x 2" Plate	64.25 - 66.17	1.0000	1.0000
L38	47	CCI 4.5" x 1" Plate	64.25 - 69.25	1.0000	1.0000
L38	48	CCI 4.5" x 1" Plate	64.25 - 69.25	1.0000	1.0000
L38	49	CCI 4.5" x 1" Plate	64.25 - 69.25	1.0000	1.0000
L38	50	CCI 4.5" x 1" Plate	64.25 - 69.25	1.0000	1.0000
L38	93	CCI 8.5" x 4.25" Plate	64.25 - 68.42	1.0000	1.0000
L38	94	CCI 8.5" x 4.25" Plate	64.25 - 68.42	1.0000	1.0000
L38	95	CCI 8.5" x 4.25" Plate	64.25 - 68.42	1.0000	1.0000
L38	96	CCI 8.5" x 4.25" Plate	64.25 - 68.42	1.0000	1.0000
L38	97	CCI 8.5" x 4.25" Plate	64.25 - 68.42	1.0000	1.0000
L38	98	CCI 8.5" x 4.25" Plate	64.25 - 68.42	1.0000	1.0000
L38	100	CCI 8.5" x 1.25" Plate	68.42 - 69.25	1.0000	1.0000
L38	101	CCI 8.5" x 1.25" Plate	68.42 - 69.25	1.0000	1.0000
L38	102	CCI 8.5" x 1.25" Plate	68.42 - 69.25	1.0000	1.0000
L38	103	CCI 8.5" x 1.25" Plate	68.42 - 69.25	1.0000	1.0000
L38	104	CCI 8.5" x 1.25" Plate	68.42 - 69.25	1.0000	1.0000
L38	105	CCI 8.5" x 1.25" Plate	68.42 - 69.25	1.0000	1.0000
L38	188	CU12PSM6P4XXX(1-3/4)	64.25 - 69.25	1.0000	1.0000
L38	191	AL7-50(1-5/8)	64.25 - 69.25	1.0000	1.0000
L38	193	HB158-U12S24-XXX-LI(1-5/8)	64.25 - 69.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L38	201	LDF7-50A(1-5/8)	64.25 - 69.25	1.0000	1.0000
L38	202	Banjo	64.25 - 69.25	1.0000	1.0000
L38	219	Safety Line 3/8	64.25 - 69.25	1.0000	1.0000
L38	220	Step Pegs	64.25 - 69.25	1.0000	1.0000
L39	14	CCI 6" x 1" Plate	61.17 - 64.25	1.0000	1.0000
L39	15	CCI 6" x 1" Plate	61.17 - 64.25	1.0000	1.0000
L39	16	CCI 6" x 1" Plate	61.17 - 64.25	1.0000	1.0000
L39	27	1" x 2" Plate	61.08 - 64.25	1.0000	1.0000
L39	28	1" x 2" Plate	61.08 - 64.25	1.0000	1.0000
L39	29	1" x 2" Plate	61.08 - 64.25	1.0000	1.0000
L39	30	1" x 2" Plate	61.08 - 64.25	1.0000	1.0000
L39	47	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	48	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	49	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	50	CCI 4.5" x 1" Plate	61.00 - 64.25	1.0000	1.0000
L39	86	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	87	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	88	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	89	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	90	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	91	CCI 8.5" x 1.25" Plate	60.58 - 61.08	1.0000	1.0000
L39	93	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	94	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	95	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	96	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	97	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	98	CCI 8.5" x 4.25" Plate	61.08 - 64.25	1.0000	1.0000
L39	155	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	156	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	157	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	158	CCI 4.5" x 1" Plate	60.58 - 61.46	1.0000	1.0000
L39	160	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000
L39	161	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000
L39	162	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L39	163	CCI 4.5" x 3" Plate	61.55 - 62.96	1.0000	1.0000
L39	188	CU12PSM6P4XXX(1-3/4)	60.58 - 64.25	1.0000	1.0000
L39	191	AL7-50(1-5/8)	60.58 - 64.25	1.0000	1.0000
L39	193	HB158-U12S24-XXX-LI(1-5/8)	60.58 - 64.25	1.0000	1.0000
L39	201	LDF7-50A(1-5/8)	60.58 - 64.25	1.0000	1.0000
L39	202	Banjo	60.58 - 64.25	1.0000	1.0000
L39	219	Safety Line 3/8	60.58 - 64.25	1.0000	1.0000
L39	220	Step Pegs	60.58 - 64.25	1.0000	1.0000
L40	86	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	87	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	88	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	89	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	90	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	91	CCI 8.5" x 1.25" Plate	60.33 - 60.58	1.0000	1.0000
L40	155	CCI 4.5" x 1" Plate	60.33 - 60.58	1.0000	1.0000
L40	156	CCI 4.5" x 1" Plate	60.33 - 60.58	1.0000	1.0000
L40	157	CCI 4.5" x 1" Plate	60.33 - 60.58	1.0000	1.0000
L40	158	CCI 4.5" x 1" Plate	60.33 - 60.58	1.0000	1.0000
L40	188	CU12PSM6P4XXX(1-3/4)	60.33 - 60.58	1.0000	1.0000
L40	191	AL7-50(1-5/8)	60.33 - 60.58	1.0000	1.0000
L40	193	HB158-U12S24-XXX-LI(1-5/8)	60.33 - 60.58	1.0000	1.0000
L40	201	LDF7-50A(1-5/8)	60.33 - 60.58	1.0000	1.0000
L40	202	Banjo	60.33 - 60.58	1.0000	1.0000
L40	219	Safety Line 3/8	60.33 - 60.58	1.0000	1.0000
L40	220	Step Pegs	60.33 - 60.58	1.0000	1.0000
L41	10	CCI 6.5" x 1.25" Plate	55.33 - 59.92	1.0000	1.0000
L41	11	CCI 6.5" x 1.25" Plate	55.33 - 59.92	1.0000	1.0000
L41	12	CCI 6.5" x 1.25" Plate	55.33 - 59.92	1.0000	1.0000
L41	79	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	80	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	81	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	82	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	83	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000
L41	84	CCI 8.5" x 1.25" Plate	55.33 - 60.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L41	86	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	87	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	88	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	89	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	90	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	91	CCI 8.5" x 1.25" Plate	60.08 - 60.33	1.0000	1.0000
L41	155	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L41	156	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L41	157	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L41	158	CCI 4.5" x 1" Plate	58.00 - 60.33	1.0000	1.0000
L41	188	CU12PSM6P4XXX(1-3/4)	55.33 - 60.33	1.0000	1.0000
L41	191	AL7-50(1-5/8)	55.33 - 60.33	1.0000	1.0000
L41	193	HB158-U12S24-XXX-LI(1-5/8)	55.33 - 60.33	1.0000	1.0000
L41	201	LDF7-50A(1-5/8)	55.33 - 60.33	1.0000	1.0000
L41	202	Banjo	55.33 - 60.33	1.0000	1.0000
L41	219	Safety Line 3/8	55.33 - 60.33	1.0000	1.0000
L41	220	Step Pegs	55.33 - 60.33	1.0000	1.0000
L42	10	CCI 6.5" x 1.25" Plate	52.17 - 55.33	1.0000	1.0000
L42	11	CCI 6.5" x 1.25" Plate	52.17 - 55.33	1.0000	1.0000
L42	12	CCI 6.5" x 1.25" Plate	52.17 - 55.33	1.0000	1.0000
L42	79	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	80	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	81	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	82	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	83	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	84	CCI 8.5" x 1.25" Plate	55.25 - 55.33	1.0000	1.0000
L42	188	CU12PSM6P4XXX(1-3/4)	52.17 - 55.33	1.0000	1.0000
L42	191	AL7-50(1-5/8)	52.17 - 55.33	1.0000	1.0000
L42	193	HB158-U12S24-XXX-LI(1-5/8)	52.17 - 55.33	1.0000	1.0000
L42	201	LDF7-50A(1-5/8)	52.17 - 55.33	1.0000	1.0000
L42	202	Banjo	52.17 - 55.33	1.0000	1.0000
L42	219	Safety Line 3/8	52.17 - 55.33	1.0000	1.0000
L42	220	Step Pegs	52.17 - 55.33	1.0000	1.0000
L43	10	CCI 6.5" x 1.25" Plate	51.92 - 52.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L43	11	CCI 6.5" x 1.25" Plate	51.92 - 52.17	1.0000	1.0000
L43	12	CCI 6.5" x 1.25" Plate	51.92 - 52.17	1.0000	1.0000
L43	188	CU12PSM6P4XXX(1-3/4)	51.92 - 52.17	1.0000	1.0000
L43	191	AL7-50(1-5/8)	51.92 - 52.17	1.0000	1.0000
L43	193	HB158-U12S24-XXX-LI(1-5/8)	51.92 - 52.17	1.0000	1.0000
L43	201	LDF7-50A(1-5/8)	51.92 - 52.17	1.0000	1.0000
L43	202	Banjo	51.92 - 52.17	1.0000	1.0000
L43	219	Safety Line 3/8	51.92 - 52.17	1.0000	1.0000
L43	220	Step Pegs	51.92 - 52.17	1.0000	1.0000
L44	10	CCI 6.5" x 1.25" Plate	46.92 - 51.92	1.0000	1.0000
L44	11	CCI 6.5" x 1.25" Plate	46.92 - 51.92	1.0000	1.0000
L44	12	CCI 6.5" x 1.25" Plate	46.92 - 51.92	1.0000	1.0000
L44	22	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	23	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	24	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	25	1" x 2" Plate	46.92 - 50.42	1.0000	1.0000
L44	42	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	43	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	44	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	45	CCI 6" x 1" Plate	46.92 - 50.17	1.0000	1.0000
L44	72	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	73	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	74	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	75	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	76	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	77	CCI 6.5" x 1.25" Plate	46.92 - 47.83	1.0000	1.0000
L44	188	CU12PSM6P4XXX(1-3/4)	46.92 - 51.92	1.0000	1.0000
L44	191	AL7-50(1-5/8)	46.92 - 51.92	1.0000	1.0000
L44	193	HB158-U12S24-XXX-LI(1-5/8)	46.92 - 51.92	1.0000	1.0000
L44	201	LDF7-50A(1-5/8)	46.92 - 51.92	1.0000	1.0000
L44	202	Banjo	46.92 - 51.92	1.0000	1.0000
L44	219	Safety Line 3/8	46.92 - 51.92	1.0000	1.0000
L44	220	Step Pegs	46.92 - 51.92	1.0000	1.0000
L45	10	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L45	11	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	12	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	22	1" x 2" Plate	41.92 - 46.92	1.0000	1.0000
L45	23	1" x 2" Plate	41.92 - 46.92	1.0000	1.0000
L45	24	1" x 2" Plate	41.92 - 46.92	1.0000	1.0000
L45	25	1" x 2" Plate	41.92 - 46.92	1.0000	1.0000
L45	42	CCI 6" x 1" Plate	41.92 - 46.92	1.0000	1.0000
L45	43	CCI 6" x 1" Plate	41.92 - 46.92	1.0000	1.0000
L45	44	CCI 6" x 1" Plate	41.92 - 46.92	1.0000	1.0000
L45	45	CCI 6" x 1" Plate	41.92 - 46.92	1.0000	1.0000
L45	72	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	73	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	74	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	75	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	76	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	77	CCI 6.5" x 1.25" Plate	41.92 - 46.92	1.0000	1.0000
L45	188	CU12PSM6P4XXX(1-3/4)	41.92 - 46.92	1.0000	1.0000
L45	191	AL7-50(1-5/8)	41.92 - 46.92	1.0000	1.0000
L45	193	HB158-U12S24-XXX-LI(1-5/8)	41.92 - 46.92	1.0000	1.0000
L45	201	LDF7-50A(1-5/8)	41.92 - 46.92	1.0000	1.0000
L45	202	Banjo	41.92 - 46.92	1.0000	1.0000
L45	219	Safety Line 3/8	41.92 - 46.92	1.0000	1.0000
L45	220	Step Pegs	41.92 - 46.92	1.0000	1.0000
L46	10	CCI 6.5" x 1.25" Plate	40.83 - 41.92	1.0000	1.0000
L46	11	CCI 6.5" x 1.25" Plate	40.83 - 41.92	1.0000	1.0000
L46	12	CCI 6.5" x 1.25" Plate	40.83 - 41.92	1.0000	1.0000
L46	22	1" x 2" Plate	40.58 - 41.92	1.0000	1.0000
L46	23	1" x 2" Plate	40.58 - 41.92	1.0000	1.0000
L46	24	1" x 2" Plate	40.58 - 41.92	1.0000	1.0000
L46	25	1" x 2" Plate	40.58 - 41.92	1.0000	1.0000
L46	42	CCI 6" x 1" Plate	40.23 - 41.92	1.0000	1.0000
L46	43	CCI 6" x 1" Plate	40.23 - 41.92	1.0000	1.0000
L46	44	CCI 6" x 1" Plate	40.23 - 41.92	1.0000	1.0000
L46	45	CCI 6" x 1" Plate	40.23 - 41.92	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L46	72	CCI 6.5" x 1.25" Plate	40.23 - 41.92	1.0000	1.0000
L46	73	CCI 6.5" x 1.25" Plate	40.23 - 41.92	1.0000	1.0000
L46	74	CCI 6.5" x 1.25" Plate	40.23 - 41.92	1.0000	1.0000
L46	75	CCI 6.5" x 1.25" Plate	40.23 - 41.92	1.0000	1.0000
L46	76	CCI 6.5" x 1.25" Plate	40.23 - 41.92	1.0000	1.0000
L46	77	CCI 6.5" x 1.25" Plate	40.23 - 41.92	1.0000	1.0000
L46	188	CU12PSM6P4XXX(1-3/4)	40.23 - 41.92	1.0000	1.0000
L46	191	AL7-50(1-5/8)	40.23 - 41.92	1.0000	1.0000
L46	193	HB158-U12S24-XXX-LI(1-5/8)	40.23 - 41.92	1.0000	1.0000
L46	201	LDF7-50A(1-5/8)	40.23 - 41.92	1.0000	1.0000
L46	202	Banjo	40.23 - 41.92	1.0000	1.0000
L46	219	Safety Line 3/8	40.23 - 41.92	1.0000	1.0000
L46	220	Step Pegs	40.23 - 41.92	1.0000	1.0000
L47	42	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	43	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	44	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	45	CCI 6" x 1" Plate	39.98 - 40.23	1.0000	1.0000
L47	72	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	73	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	74	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	75	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	76	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	77	CCI 6.5" x 1.25" Plate	39.98 - 40.23	1.0000	1.0000
L47	188	CU12PSM6P4XXX(1-3/4)	39.98 - 40.23	1.0000	1.0000
L47	191	AL7-50(1-5/8)	39.98 - 40.23	1.0000	1.0000
L47	193	HB158-U12S24-XXX-LI(1-5/8)	39.98 - 40.23	1.0000	1.0000
L47	201	LDF7-50A(1-5/8)	39.98 - 40.23	1.0000	1.0000
L47	202	Banjo	39.98 - 40.23	1.0000	1.0000
L47	219	Safety Line 3/8	39.98 - 40.23	1.0000	1.0000
L47	220	Step Pegs	39.98 - 40.23	1.0000	1.0000
L48	6	CCI 6" x 1" Plate	34.98 - 39.75	1.0000	1.0000
L48	7	CCI 6" x 1" Plate	34.98 - 39.75	1.0000	1.0000
L48	8	CCI 6" x 1" Plate	34.98 - 39.75	1.0000	1.0000
L48	42	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L48	43	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000
L48	44	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000
L48	45	CCI 6" x 1" Plate	37.17 - 39.98	1.0000	1.0000
L48	72	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	73	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	74	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	75	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	76	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	77	CCI 6.5" x 1.25" Plate	34.98 - 39.98	1.0000	1.0000
L48	188	CU12PSM6P4XXX(1-3/4)	34.98 - 39.98	1.0000	1.0000
L48	191	AL7-50(1-5/8)	34.98 - 39.98	1.0000	1.0000
L48	193	HB158-U12S24-XXX-LI(1-5/8)	34.98 - 39.98	1.0000	1.0000
L48	201	LDF7-50A(1-5/8)	34.98 - 39.98	1.0000	1.0000
L48	202	Banjo	34.98 - 39.98	1.0000	1.0000
L48	219	Safety Line 3/8	34.98 - 39.98	1.0000	1.0000
L48	220	Step Pegs	34.98 - 39.98	1.0000	1.0000
L49	6	CCI 6" x 1" Plate	29.98 - 34.98	1.0000	1.0000
L49	7	CCI 6" x 1" Plate	29.98 - 34.98	1.0000	1.0000
L49	8	CCI 6" x 1" Plate	29.98 - 34.98	1.0000	1.0000
L49	37	CCI 6" x 1" Plate	29.98 - 30.00	1.0000	1.0000
L49	38	CCI 6" x 1" Plate	29.98 - 30.00	1.0000	1.0000
L49	39	CCI 6" x 1" Plate	29.98 - 30.00	1.0000	1.0000
L49	40	CCI 6" x 1" Plate	29.98 - 30.00	1.0000	1.0000
L49	72	CCI 6.5" x 1.25" Plate	32.83 - 34.98	1.0000	1.0000
L49	73	CCI 6.5" x 1.25" Plate	32.83 - 34.98	1.0000	1.0000
L49	74	CCI 6.5" x 1.25" Plate	32.83 - 34.98	1.0000	1.0000
L49	75	CCI 6.5" x 1.25" Plate	32.83 - 34.98	1.0000	1.0000
L49	76	CCI 6.5" x 1.25" Plate	32.83 - 34.98	1.0000	1.0000
L49	77	CCI 6.5" x 1.25" Plate	32.83 - 34.98	1.0000	1.0000
L49	188	CU12PSM6P4XXX(1-3/4)	29.98 - 34.98	1.0000	1.0000
L49	191	AL7-50(1-5/8)	29.98 - 34.98	1.0000	1.0000
L49	193	HB158-U12S24-XXX-LI(1-5/8)	29.98 - 34.98	1.0000	1.0000
L49	201	LDF7-50A(1-5/8)	29.98 - 34.98	1.0000	1.0000
L49	202	Banjo	29.98 - 34.98	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L49	219	Safety Line 3/8	29.98 - 34.98	1.0000	1.0000
L49	220	Step Pegs	29.98 - 34.98	1.0000	1.0000
L50	6	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	7	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	8	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	37	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	38	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	39	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	40	CCI 6" x 1" Plate	28.00 - 29.98	1.0000	1.0000
L50	188	CU12PSM6P4XXX(1-3/4)	28.00 - 29.98	1.0000	1.0000
L50	191	AL7-50(1-5/8)	28.00 - 29.98	1.0000	1.0000
L50	193	HB158-U12S24-XXX-LI(1-5/8)	28.00 - 29.98	1.0000	1.0000
L50	201	LDF7-50A(1-5/8)	28.00 - 29.98	1.0000	1.0000
L50	202	Banjo	28.00 - 29.98	1.0000	1.0000
L50	219	Safety Line 3/8	28.00 - 29.98	1.0000	1.0000
L50	220	Step Pegs	28.00 - 29.98	1.0000	1.0000
L51	6	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	7	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	8	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	37	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	38	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	39	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	40	CCI 6" x 1" Plate	27.75 - 28.00	1.0000	1.0000
L51	188	CU12PSM6P4XXX(1-3/4)	27.75 - 28.00	1.0000	1.0000
L51	191	AL7-50(1-5/8)	27.75 - 28.00	1.0000	1.0000
L51	193	HB158-U12S24-XXX-LI(1-5/8)	27.75 - 28.00	1.0000	1.0000
L51	201	LDF7-50A(1-5/8)	27.75 - 28.00	1.0000	1.0000
L51	202	Banjo	27.75 - 28.00	1.0000	1.0000
L51	219	Safety Line 3/8	27.75 - 28.00	1.0000	1.0000
L51	220	Step Pegs	27.75 - 28.00	1.0000	1.0000
L52	6	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	7	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	8	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	37	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L52	38	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	39	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	40	CCI 6" x 1" Plate	22.75 - 27.75	1.0000	1.0000
L52	65	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	66	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	67	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	68	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	69	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	70	CCI 6.5" x 1.25" Plate	22.75 - 27.50	1.0000	1.0000
L52	188	CU12PSM6P4XXX(1-3/4)	22.75 - 27.75	1.0000	1.0000
L52	191	AL7-50(1-5/8)	22.75 - 27.75	1.0000	1.0000
L52	193	HB158-U12S24-XXX-LI(1-5/8)	22.75 - 27.75	1.0000	1.0000
L52	201	LDF7-50A(1-5/8)	22.75 - 27.75	1.0000	1.0000
L52	202	Banjo	22.75 - 27.75	1.0000	1.0000
L52	219	Safety Line 3/8	22.75 - 27.75	1.0000	1.0000
L52	220	Step Pegs	22.75 - 27.75	1.0000	1.0000
L53	6	CCI 6" x 1" Plate	20.75 - 22.75	1.0000	1.0000
L53	7	CCI 6" x 1" Plate	20.75 - 22.75	1.0000	1.0000
L53	8	CCI 6" x 1" Plate	20.75 - 22.75	1.0000	1.0000
L53	37	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	38	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	39	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	40	CCI 6" x 1" Plate	20.08 - 22.75	1.0000	1.0000
L53	65	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	66	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	67	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	68	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	69	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	70	CCI 6.5" x 1.25" Plate	20.08 - 22.75	1.0000	1.0000
L53	188	CU12PSM6P4XXX(1-3/4)	20.08 - 22.75	1.0000	1.0000
L53	191	AL7-50(1-5/8)	20.08 - 22.75	1.0000	1.0000
L53	193	HB158-U12S24-XXX-LI(1-5/8)	20.08 - 22.75	1.0000	1.0000
L53	201	LDF7-50A(1-5/8)	20.08 - 22.75	1.0000	1.0000
L53	202	Banjo	20.08 - 22.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L53	219	Safety Line 3/8	20.08 - 22.75	1.0000	1.0000
L53	220	Step Pegs	20.08 - 22.75	1.0000	1.0000
L54	37	CCI 6" x 1" Plate	19.83 - 20.08	1.0000	1.0000
L54	38	CCI 6" x 1" Plate	19.83 - 20.08	1.0000	1.0000
L54	39	CCI 6" x 1" Plate	19.83 - 20.08	1.0000	1.0000
L54	40	CCI 6" x 1" Plate	19.83 - 20.08	1.0000	1.0000
L54	65	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	66	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	67	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	68	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	69	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	70	CCI 6.5" x 1.25" Plate	19.83 - 20.08	1.0000	1.0000
L54	188	CU12PSM6P4XXX(1-3/4)	19.83 - 20.08	1.0000	1.0000
L54	191	AL7-50(1-5/8)	19.83 - 20.08	1.0000	1.0000
L54	193	HB158-U12S24-XXX-LI(1-5/8)	19.83 - 20.08	1.0000	1.0000
L54	201	LDF7-50A(1-5/8)	19.83 - 20.08	1.0000	1.0000
L54	202	Banjo	19.83 - 20.08	1.0000	1.0000
L54	219	Safety Line 3/8	19.83 - 20.08	1.0000	1.0000
L54	220	Step Pegs	19.83 - 20.08	1.0000	1.0000
L55	32	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	33	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	34	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	35	CCI 6" x 1" Plate	17.00 - 19.00	1.0000	1.0000
L55	37	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	38	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	39	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	40	CCI 6" x 1" Plate	17.00 - 19.83	1.0000	1.0000
L55	65	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	66	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	67	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	68	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	69	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	70	CCI 6.5" x 1.25" Plate	17.00 - 19.83	1.0000	1.0000
L55	188	CU12PSM6P4XXX(1-3/4)	17.00 - 19.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L55	191	AL7-50(1-5/8)	17.00 - 19.83	1.0000	1.0000
L55	193	HB158-U12S24-XXX-LI(1-5/8)	17.00 - 19.83	1.0000	1.0000
L55	201	LDF7-50A(1-5/8)	17.00 - 19.83	1.0000	1.0000
L55	202	Banjo	17.00 - 19.83	1.0000	1.0000
L55	219	Safety Line 3/8	17.00 - 19.83	1.0000	1.0000
L55	220	Step Pegs	17.00 - 19.83	1.0000	1.0000
L56	32	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	33	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	34	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	35	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L56	65	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	66	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	67	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	68	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	69	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	70	CCI 6.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L56	188	CU12PSM6P4XXX(1-3/4)	16.75 - 17.00	1.0000	1.0000
L56	191	AL7-50(1-5/8)	16.75 - 17.00	1.0000	1.0000
L56	193	HB158-U12S24-XXX-LI(1-5/8)	16.75 - 17.00	1.0000	1.0000
L56	201	LDF7-50A(1-5/8)	16.75 - 17.00	1.0000	1.0000
L56	202	Banjo	16.75 - 17.00	1.0000	1.0000
L56	219	Safety Line 3/8	16.75 - 17.00	1.0000	1.0000
L56	220	Step Pegs	16.75 - 17.00	1.0000	1.0000
L57	4	CCI 4" x 0.75" Plate	11.65 - 13.17	1.0000	1.0000
L57	32	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	33	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	34	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	35	CCI 6" x 1" Plate	11.65 - 16.75	1.0000	1.0000
L57	65	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	66	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	67	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	68	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	69	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000
L57	70	CCI 6.5" x 1.25" Plate	12.67 - 16.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L57	188	CU12PSM6P4XXX(1-3/4)	11.65 - 16.75	1.0000	1.0000
L57	191	AL7-50(1-5/8)	11.65 - 16.75	1.0000	1.0000
L57	193	HB158-U12S24-XXX-LI(1-5/8)	11.65 - 16.75	1.0000	1.0000
L57	201	LDF7-50A(1-5/8)	11.65 - 16.75	1.0000	1.0000
L57	202	Banjo	11.65 - 16.75	1.0000	1.0000
L57	219	Safety Line 3/8	11.65 - 16.75	1.0000	1.0000
L57	220	Step Pegs	11.65 - 16.75	1.0000	1.0000
L58	4	CCI 4" x 0.75" Plate	11.42 - 11.65	1.0000	1.0000
L58	32	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L58	33	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L58	34	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L58	35	CCI 6" x 1" Plate	11.42 - 11.65	1.0000	1.0000
L58	188	CU12PSM6P4XXX(1-3/4)	11.42 - 11.65	1.0000	1.0000
L58	191	AL7-50(1-5/8)	11.42 - 11.65	1.0000	1.0000
L58	193	HB158-U12S24-XXX-LI(1-5/8)	11.42 - 11.65	1.0000	1.0000
L58	201	LDF7-50A(1-5/8)	11.42 - 11.65	1.0000	1.0000
L58	202	Banjo	11.42 - 11.65	1.0000	1.0000
L58	219	Safety Line 3/8	11.42 - 11.65	1.0000	1.0000
L58	220	Step Pegs	11.42 - 11.65	1.0000	1.0000
L59	2	CCI 4" x 0.75" Plate	9.40 - 10.88	1.0000	1.0000
L59	3	CCI 4" x 0.75" Plate	9.40 - 10.88	1.0000	1.0000
L59	4	CCI 4" x 0.75" Plate	9.40 - 11.42	1.0000	1.0000
L59	32	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L59	33	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L59	34	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L59	35	CCI 6" x 1" Plate	9.40 - 11.42	1.0000	1.0000
L59	188	CU12PSM6P4XXX(1-3/4)	9.40 - 11.42	1.0000	1.0000
L59	191	AL7-50(1-5/8)	9.40 - 11.42	1.0000	1.0000
L59	193	HB158-U12S24-XXX-LI(1-5/8)	9.40 - 11.42	1.0000	1.0000
L59	201	LDF7-50A(1-5/8)	9.40 - 11.42	1.0000	1.0000
L59	202	Banjo	9.40 - 11.42	1.0000	1.0000
L59	219	Safety Line 3/8	9.40 - 11.42	1.0000	1.0000
L59	220	Step Pegs	9.40 - 11.42	1.0000	1.0000
L60	2	CCI 4" x 0.75" Plate	9.15 - 9.40	1.0000	1.0000
L60	3	CCI 4" x 0.75" Plate	9.15 - 9.40	1.0000	1.0000
L60	4	CCI 4" x 0.75" Plate	9.15 - 9.40	1.0000	1.0000
L60	32	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000
L60	33	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000
L60	34	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000
L60	35	CCI 6" x 1" Plate	9.15 - 9.40	1.0000	1.0000
L60	188	CU12PSM6P4XXX(1-3/4)	9.15 - 9.40	1.0000	1.0000
L60	191	AL7-50(1-5/8)	9.15 - 9.40	1.0000	1.0000
L60	193	HB158-U12S24-XXX-LI(1-5/8)	9.15 - 9.40	1.0000	1.0000
L60	201	LDF7-50A(1-5/8)	9.15 - 9.40	1.0000	1.0000
L60	202	Banjo	9.15 - 9.40	1.0000	1.0000
L60	219	Safety Line 3/8	9.15 - 9.40	1.0000	1.0000
L60	220	Step Pegs	9.15 - 9.40	1.0000	1.0000
L61	2	CCI 4" x 0.75" Plate	4.83 - 9.15	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L61	3	CCI 4" x 0.75" Plate	4.83 - 9.15	1.0000	1.0000
L61	4	CCI 4" x 0.75" Plate	4.83 - 9.15	1.0000	1.0000
L61	32	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L61	33	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L61	34	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L61	35	CCI 6" x 1" Plate	4.83 - 9.15	1.0000	1.0000
L61	188	CU12PSM6P4XXX(1-3/4)	4.83 - 9.15	1.0000	1.0000
L61	191	AL7-50(1-5/8)	4.83 - 9.15	1.0000	1.0000
L61	193	HB158-U12S24-XXX-LI(1-5/8)	4.83 - 9.15	1.0000	1.0000
L61	201	LDF7-50A(1-5/8)	4.83 - 9.15	1.0000	1.0000
L61	202	Banjo	4.83 - 9.15	1.0000	1.0000
L61	219	Safety Line 3/8	4.83 - 9.15	1.0000	1.0000
L61	220	Step Pegs	4.83 - 9.15	1.0000	1.0000
L62	2	CCI 4" x 0.75" Plate	4.58 - 4.83	1.0000	1.0000
L62	3	CCI 4" x 0.75" Plate	4.58 - 4.83	1.0000	1.0000
L62	4	CCI 4" x 0.75" Plate	4.58 - 4.83	1.0000	1.0000
L62	32	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L62	33	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L62	34	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L62	35	CCI 6" x 1" Plate	4.58 - 4.83	1.0000	1.0000
L62	188	CU12PSM6P4XXX(1-3/4)	4.58 - 4.83	1.0000	1.0000
L62	191	AL7-50(1-5/8)	4.58 - 4.83	1.0000	1.0000
L62	193	HB158-U12S24-XXX-LI(1-5/8)	4.58 - 4.83	1.0000	1.0000
L62	201	LDF7-50A(1-5/8)	4.58 - 4.83	1.0000	1.0000
L62	202	Banjo	4.58 - 4.83	1.0000	1.0000
L62	219	Safety Line 3/8	4.58 - 4.83	1.0000	1.0000
L62	220	Step Pegs	4.58 - 4.83	1.0000	1.0000
L63	2	CCI 4" x 0.75" Plate	0.00 - 4.58	1.0000	1.0000
L63	3	CCI 4" x 0.75" Plate	0.00 - 4.58	1.0000	1.0000
L63	4	CCI 4" x 0.75" Plate	3.17 - 4.58	1.0000	1.0000
L63	32	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000
L63	33	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000
L63	34	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000
L63	35	CCI 6" x 1" Plate	0.00 - 4.58	1.0000	1.0000
L63	188	CU12PSM6P4XXX(1-3/4)	0.00 - 4.58	1.0000	1.0000
L63	191	AL7-50(1-5/8)	4.00 - 4.58	1.0000	1.0000
L63	193	HB158-U12S24-XXX-LI(1-5/8)	4.00 - 4.58	1.0000	1.0000
L63	201	LDF7-50A(1-5/8)	4.00 - 4.58	1.0000	1.0000
L63	202	Banjo	4.00 - 4.58	1.0000	1.0000
L63	219	Safety Line 3/8	4.00 - 4.58	1.0000	1.0000
L63	220	Step Pegs	4.00 - 4.58	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
L14	151	CCI 4.5" x 1" Plate	126.42 - 127.17	Auto	1.0000
L14	152	CCI 4.5" x 1" Plate	126.42 - 127.17	Auto	1.0000
L14	153	CCI 4.5" x 1" Plate	126.42 - 127.17	Auto	1.0000
L15	143	CCI 4.5" x 1" Plate	121.42 - 121.67	Auto	1.0000
L15	144	CCI 4.5" x 1" Plate	121.42 - 121.67	Auto	1.0000
L15	145	CCI 4.5" x 1" Plate	121.42 - 121.67	Auto	1.0000
L15	147	CCI 4.5" x 4" Plate	121.67 - 124.42	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L15	148	CCI 4.5" x 4" Plate	121.67 - 124.42	Auto	1.0000
L15	149	CCI 4.5" x 4" Plate	121.67 - 124.42	Auto	1.0000
L15	151	CCI 4.5" x 1" Plate	124.42 - 126.42	Auto	1.0000
L15	152	CCI 4.5" x 1" Plate	124.42 - 126.42	Auto	1.0000
L15	153	CCI 4.5" x 1" Plate	124.42 - 126.42	Auto	1.0000
L16	143	CCI 4.5" x 1" Plate	121.17 - 121.42	Auto	1.0000
L16	144	CCI 4.5" x 1" Plate	121.17 - 121.42	Auto	1.0000
L16	145	CCI 4.5" x 1" Plate	121.17 - 121.42	Auto	1.0000
L17	139	CCI 4.5" x 1" Plate	117.92 - 120.67	Auto	1.0000
L17	140	CCI 4.5" x 1" Plate	117.92 - 120.67	Auto	1.0000
L17	141	CCI 4.5" x 1" Plate	117.92 - 120.67	Auto	1.0000
L17	143	CCI 4.5" x 1" Plate	120.67 - 121.17	Auto	1.0000
L17	144	CCI 4.5" x 1" Plate	120.67 - 121.17	Auto	1.0000
L17	145	CCI 4.5" x 1" Plate	120.67 - 121.17	Auto	1.0000
L18	56	CCI 4.5" x 1" Plate	111.17 - 111.54	Auto	1.0000
L18	57	CCI 4.5" x 1" Plate	111.17 - 111.54	Auto	1.0000
L18	58	CCI 4.5" x 1" Plate	111.17 - 111.54	Auto	1.0000
L18	202	Banjo	111.17 - 116.00	Manual	1.0000
L19	56	CCI 4.5" x 1" Plate	110.04 - 111.17	Auto	1.0000
L19	57	CCI 4.5" x 1" Plate	110.04 - 111.17	Auto	1.0000
L19	58	CCI 4.5" x 1" Plate	110.04 - 111.17	Auto	1.0000
L19	202	Banjo	110.04 - 111.17	Manual	1.0000
L20	56	CCI 4.5" x 1" Plate	109.79 - 110.04	Auto	1.0000
L20	57	CCI 4.5" x 1" Plate	109.79 - 110.04	Auto	1.0000
L20	58	CCI 4.5" x 1" Plate	109.79 - 110.04	Auto	1.0000
L20	202	Banjo	109.79 - 110.04	Manual	1.0000
L21	18	CCI 4" x 0.75" Plate	105.08 - 106.58	Auto	1.0000
L21	19	CCI 4" x 0.75" Plate	105.08 - 106.58	Auto	1.0000
L21	20	CCI 4" x 0.75" Plate	105.08 - 106.58	Auto	1.0000
L21	56	CCI 4.5" x 1" Plate	105.08 - 109.79	Auto	1.0000
L21	57	CCI 4.5" x 1" Plate	105.08 - 109.79	Auto	1.0000
L21	58	CCI 4.5" x 1" Plate	105.08 - 109.79	Auto	1.0000
L21	135	CCI 4.5" x 1" Plate	105.08 - 107.17	Auto	1.0000
L21	136	CCI 4.5" x 1" Plate	105.08 - 107.17	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L21	137	CCI 4.5" x 1" Plate	105.08 - 107.17	Auto	1.0000
L21	202	Banjo	105.08 - 109.79	Manual	1.0000
L22	18	CCI 4" x 0.75" Plate	104.83 - 105.08	Auto	1.0000
L22	19	CCI 4" x 0.75" Plate	104.83 - 105.08	Auto	1.0000
L22	20	CCI 4" x 0.75" Plate	104.83 - 105.08	Auto	1.0000
L22	56	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	57	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	58	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	135	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	136	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	137	CCI 4.5" x 1" Plate	104.83 - 105.08	Auto	1.0000
L22	202	Banjo	104.83 - 105.08	Manual	1.0000
L23	18	CCI 4" x 0.75" Plate	101.58 - 104.83	Auto	1.0000
L23	19	CCI 4" x 0.75" Plate	101.58 - 104.83	Auto	1.0000
L23	20	CCI 4" x 0.75" Plate	101.58 - 104.83	Auto	1.0000
L23	56	CCI 4.5" x 1" Plate	101.54 - 104.83	Auto	1.0000
L23	57	CCI 4.5" x 1" Plate	101.54 - 104.83	Auto	1.0000
L23	58	CCI 4.5" x 1" Plate	101.54 - 104.83	Auto	1.0000
L23	127	CCI 4.5" x 1" Plate	100.92 - 101.42	Auto	1.0000
L23	128	CCI 4.5" x 1" Plate	100.92 - 101.42	Auto	1.0000
L23	129	CCI 4.5" x 1" Plate	100.92 - 101.42	Auto	1.0000
L23	131	CCI 4.5" x 4" Plate	101.42 - 104.42	Auto	1.0000
L23	132	CCI 4.5" x 4" Plate	101.42 - 104.42	Auto	1.0000
L23	133	CCI 4.5" x 4" Plate	101.42 - 104.42	Auto	1.0000
L23	135	CCI 4.5" x 1" Plate	104.42 - 104.83	Auto	1.0000
L23	136	CCI 4.5" x 1" Plate	104.42 - 104.83	Auto	1.0000
L23	137	CCI 4.5" x 1" Plate	104.42 - 104.83	Auto	1.0000
L23	173	CCI 4.5" x 1" Plate	100.92 - 101.79	Auto	1.0000
L23	174	CCI 4.5" x 1" Plate	100.92 - 101.79	Auto	1.0000
L23	175	CCI 4.5" x 1" Plate	100.92 - 101.79	Auto	1.0000
L23	177	CCI 4.5" x 3" Plate	101.79 - 103.29	Auto	1.0000
L23	178	CCI 4.5" x 3" Plate	101.79 - 103.29	Auto	1.0000
L23	179	CCI 4.5" x 3" Plate	101.79 - 103.29	Auto	1.0000
L23	202	Banjo	100.92 - 104.83	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L24	127	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	128	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	129	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	173	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	174	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	175	CCI 4.5" x 1" Plate	100.67 - 100.92	Auto	1.0000
L24	202	Banjo	100.67 - 100.92	Manual	1.0000
L25	52	CCI 4.5" x 1" Plate	95.83 - 97.33	Auto	1.0000
L25	53	CCI 4.5" x 1" Plate	95.83 - 97.33	Auto	1.0000
L25	54	CCI 4.5" x 1" Plate	95.83 - 97.33	Auto	1.0000
L25	123	CCI 4.5" x 1" Plate	97.92 - 100.42	Auto	1.0000
L25	124	CCI 4.5" x 1" Plate	97.92 - 100.42	Auto	1.0000
L25	125	CCI 4.5" x 1" Plate	97.92 - 100.42	Auto	1.0000
L25	127	CCI 4.5" x 1" Plate	100.42 - 100.67	Auto	1.0000
L25	128	CCI 4.5" x 1" Plate	100.42 - 100.67	Auto	1.0000
L25	129	CCI 4.5" x 1" Plate	100.42 - 100.67	Auto	1.0000
L25	173	CCI 4.5" x 1" Plate	98.42 - 100.67	Auto	1.0000
L25	174	CCI 4.5" x 1" Plate	98.42 - 100.67	Auto	1.0000
L25	175	CCI 4.5" x 1" Plate	98.42 - 100.67	Auto	1.0000
L25	202	Banjo	95.83 - 100.67	Manual	1.0000
L26	52	CCI 4.5" x 1" Plate	95.58 - 95.83	Auto	1.0000
L26	53	CCI 4.5" x 1" Plate	95.58 - 95.83	Auto	1.0000
L26	54	CCI 4.5" x 1" Plate	95.58 - 95.83	Auto	1.0000
L26	202	Banjo	95.58 - 95.83	Manual	1.0000
L27	52	CCI 4.5" x 1" Plate	90.58 - 95.58	Auto	1.0000
L27	53	CCI 4.5" x 1" Plate	90.58 - 95.58	Auto	1.0000
L27	54	CCI 4.5" x 1" Plate	90.58 - 95.58	Auto	1.0000
L27	60	CCI 4.5" x 1" Plate	90.58 - 91.42	Auto	1.0000
L27	61	CCI 4.5" x 1" Plate	90.58 - 91.42	Auto	1.0000
L27	62	CCI 4.5" x 1" Plate	90.58 - 91.42	Auto	1.0000
L27	202	Banjo	90.58 - 95.58	Manual	1.0000
L28	52	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	53	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	54	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L28	60	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	61	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	62	CCI 4.5" x 1" Plate	89.92 - 90.58	Auto	1.0000
L28	202	Banjo	89.92 - 90.58	Manual	1.0000
L29	52	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	53	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	54	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	60	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	61	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	62	CCI 4.5" x 1" Plate	89.67 - 89.92	Auto	1.0000
L29	119	CCI 6.5" x 1.25" Plate	89.67 - 89.75	Auto	1.0000
L29	120	CCI 6.5" x 1.25" Plate	89.67 - 89.75	Auto	1.0000
L29	121	CCI 6.5" x 1.25" Plate	89.67 - 89.75	Auto	1.0000
L29	202	Banjo	89.67 - 89.92	Manual	1.0000
L30	52	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	53	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	54	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	60	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	61	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	62	CCI 4.5" x 1" Plate	84.67 - 89.67	Auto	1.0000
L30	115	CCI 6.5" x 4.25" Plate	84.67 - 85.83	Auto	1.0000
L30	116	CCI 6.5" x 4.25" Plate	84.67 - 85.83	Auto	1.0000
L30	117	CCI 6.5" x 4.25" Plate	84.67 - 85.83	Auto	1.0000
L30	119	CCI 6.5" x 1.25" Plate	85.83 - 89.67	Auto	1.0000
L30	120	CCI 6.5" x 1.25" Plate	85.83 - 89.67	Auto	1.0000
L30	121	CCI 6.5" x 1.25" Plate	85.83 - 89.67	Auto	1.0000
L30	202	Banjo	84.67 - 89.67	Manual	1.0000
L31	52	CCI 4.5" x 1" Plate	81.33 - 84.67	Auto	1.0000
L31	53	CCI 4.5" x 1" Plate	81.33 - 84.67	Auto	1.0000
L31	54	CCI 4.5" x 1" Plate	81.33 - 84.67	Auto	1.0000
L31	60	CCI 4.5" x 1" Plate	81.42 - 84.67	Auto	1.0000
L31	61	CCI 4.5" x 1" Plate	81.42 - 84.67	Auto	1.0000
L31	62	CCI 4.5" x 1" Plate	81.42 - 84.67	Auto	1.0000
L31	115	CCI 6.5" x 4.25" Plate	80.83 - 84.67	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L31	116	CCI 6.5" x 4.25" Plate	80.83 - 84.67	Auto	1.0000
L31	117	CCI 6.5" x 4.25" Plate	80.83 - 84.67	Auto	1.0000
L31	165	CCI 4.5" x 1" Plate	80.83 - 81.71	Auto	1.0000
L31	166	CCI 4.5" x 1" Plate	80.83 - 81.71	Auto	1.0000
L31	167	CCI 4.5" x 1" Plate	80.83 - 81.71	Auto	1.0000
L31	169	CCI 4.5" x 3" Plate	81.71 - 83.20	Auto	1.0000
L31	170	CCI 4.5" x 3" Plate	81.71 - 83.20	Auto	1.0000
L31	171	CCI 4.5" x 3" Plate	81.71 - 83.20	Auto	1.0000
L31	202	Banjo	80.83 - 84.67	Manual	1.0000
L32	111	CCI 6.5" x 1.25" Plate	80.33 - 80.50	Auto	1.0000
L32	112	CCI 6.5" x 1.25" Plate	80.33 - 80.50	Auto	1.0000
L32	113	CCI 6.5" x 1.25" Plate	80.33 - 80.50	Auto	1.0000
L32	115	CCI 6.5" x 4.25" Plate	80.50 - 80.83	Auto	1.0000
L32	116	CCI 6.5" x 4.25" Plate	80.50 - 80.83	Auto	1.0000
L32	117	CCI 6.5" x 4.25" Plate	80.50 - 80.83	Auto	1.0000
L32	165	CCI 4.5" x 1" Plate	80.33 - 80.83	Auto	1.0000
L32	166	CCI 4.5" x 1" Plate	80.33 - 80.83	Auto	1.0000
L32	167	CCI 4.5" x 1" Plate	80.33 - 80.83	Auto	1.0000
L32	202	Banjo	80.33 - 80.83	Manual	1.0000
L33	14	CCI 6" x 1" Plate	80.08 - 80.17	Auto	1.0000
L33	15	CCI 6" x 1" Plate	80.08 - 80.17	Auto	1.0000
L33	16	CCI 6" x 1" Plate	80.08 - 80.17	Auto	1.0000
L33	107	CCI 6.5" x 1.25" Plate	80.08 - 80.33	Auto	1.0000
L33	108	CCI 6.5" x 1.25" Plate	80.08 - 80.33	Auto	1.0000
L33	109	CCI 6.5" x 1.25" Plate	80.08 - 80.33	Auto	1.0000
L33	165	CCI 4.5" x 1" Plate	80.08 - 80.33	Auto	1.0000
L33	166	CCI 4.5" x 1" Plate	80.08 - 80.33	Auto	1.0000
L33	167	CCI 4.5" x 1" Plate	80.08 - 80.33	Auto	1.0000
L33	202	Banjo	80.08 - 80.33	Manual	1.0000
L34	14	CCI 6" x 1" Plate	75.08 - 80.08	Auto	1.0000
L34	15	CCI 6" x 1" Plate	75.08 - 80.08	Auto	1.0000
L34	16	CCI 6" x 1" Plate	75.08 - 80.08	Auto	1.0000
L34	107	CCI 6.5" x 1.25" Plate	76.50 - 80.08	Auto	1.0000
L34	108	CCI 6.5" x 1.25" Plate	76.50 - 80.08	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L34	109	CCI 6.5" x 1.25" Plate	76.50 - 80.08	Auto	1.0000
L34	165	CCI 4.5" x 1" Plate	78.33 - 80.08	Auto	1.0000
L34	166	CCI 4.5" x 1" Plate	78.33 - 80.08	Auto	1.0000
L34	167	CCI 4.5" x 1" Plate	78.33 - 80.08	Auto	1.0000
L34	202	Banjo	75.08 - 80.08	Manual	1.0000
L35	14	CCI 6" x 1" Plate	70.08 - 75.08	Auto	1.0000
L35	15	CCI 6" x 1" Plate	70.08 - 75.08	Auto	1.0000
L35	16	CCI 6" x 1" Plate	70.08 - 75.08	Auto	1.0000
L35	47	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	48	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	49	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	50	CCI 4.5" x 1" Plate	70.08 - 71.00	Auto	1.0000
L35	100	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	101	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	102	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	103	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	104	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	105	CCI 8.5" x 1.25" Plate	70.08 - 73.42	Auto	1.0000
L35	202	Banjo	70.08 - 75.08	Manual	1.0000
L36	14	CCI 6" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	15	CCI 6" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	16	CCI 6" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	47	CCI 4.5" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	48	CCI 4.5" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	49	CCI 4.5" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	50	CCI 4.5" x 1" Plate	69.50 - 70.08	Auto	1.0000
L36	100	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	101	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	102	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	103	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	104	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	105	CCI 8.5" x 1.25" Plate	69.50 - 70.08	Auto	1.0000
L36	202	Banjo	69.50 - 70.08	Manual	1.0000
L37	14	CCI 6" x 1" Plate	69.25 - 69.50	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L37	15	CCI 6" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	16	CCI 6" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	47	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	48	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	49	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	50	CCI 4.5" x 1" Plate	69.25 - 69.50	Auto	1.0000
L37	100	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	101	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	102	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	103	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	104	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	105	CCI 8.5" x 1.25" Plate	69.25 - 69.50	Auto	1.0000
L37	202	Banjo	69.25 - 69.50	Manual	1.0000
L38	14	CCI 6" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	15	CCI 6" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	16	CCI 6" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	27	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	28	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	29	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	30	1" x 2" Plate	64.25 - 66.17	Auto	1.0000
L38	47	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	48	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	49	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	50	CCI 4.5" x 1" Plate	64.25 - 69.25	Auto	1.0000
L38	93	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	94	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	95	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	96	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	97	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	98	CCI 8.5" x 4.25" Plate	64.25 - 68.42	Auto	1.0000
L38	100	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	101	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	102	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	103	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L38	104	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	105	CCI 8.5" x 1.25" Plate	68.42 - 69.25	Auto	1.0000
L38	202	Banjo	64.25 - 69.25	Manual	1.0000
L39	14	CCI 6" x 1" Plate	61.17 - 64.25	Auto	1.0000
L39	15	CCI 6" x 1" Plate	61.17 - 64.25	Auto	1.0000
L39	16	CCI 6" x 1" Plate	61.17 - 64.25	Auto	1.0000
L39	27	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	28	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	29	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	30	1" x 2" Plate	61.08 - 64.25	Auto	1.0000
L39	47	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	48	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	49	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	50	CCI 4.5" x 1" Plate	61.00 - 64.25	Auto	1.0000
L39	86	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	87	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	88	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	89	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	90	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	91	CCI 8.5" x 1.25" Plate	60.58 - 61.08	Auto	1.0000
L39	93	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	94	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	95	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	96	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	97	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	98	CCI 8.5" x 4.25" Plate	61.08 - 64.25	Auto	1.0000
L39	155	CCI 4.5" x 1" Plate	60.58 - 61.46	Auto	1.0000
L39	156	CCI 4.5" x 1" Plate	60.58 - 61.46	Auto	1.0000
L39	157	CCI 4.5" x 1" Plate	60.58 - 61.46	Auto	1.0000
L39	158	CCI 4.5" x 1" Plate	60.58 - 61.46	Auto	1.0000
L39	160	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000
L39	161	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000
L39	162	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000
L39	163	CCI 4.5" x 3" Plate	61.55 - 62.96	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L39	202	Banjo	60.58 - 64.25	Manual	1.0000
L40	86	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	87	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	88	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	89	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	90	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	91	CCI 8.5" x 1.25" Plate	60.33 - 60.58	Auto	1.0000
L40	155	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L40	156	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L40	157	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L40	158	CCI 4.5" x 1" Plate	60.33 - 60.58	Auto	1.0000
L40	202	Banjo	60.33 - 60.58	Manual	1.0000
L41	10	CCI 6.5" x 1.25" Plate	55.33 - 59.92	Auto	1.0000
L41	11	CCI 6.5" x 1.25" Plate	55.33 - 59.92	Auto	1.0000
L41	12	CCI 6.5" x 1.25" Plate	55.33 - 59.92	Auto	1.0000
L41	79	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	80	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	81	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	82	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	83	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	84	CCI 8.5" x 1.25" Plate	55.33 - 60.08	Auto	1.0000
L41	86	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	87	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	88	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	89	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	90	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	91	CCI 8.5" x 1.25" Plate	60.08 - 60.33	Auto	1.0000
L41	155	CCI 4.5" x 1" Plate	58.00 - 60.33	Auto	1.0000
L41	156	CCI 4.5" x 1" Plate	58.00 - 60.33	Auto	1.0000
L41	157	CCI 4.5" x 1" Plate	58.00 - 60.33	Auto	1.0000
L41	158	CCI 4.5" x 1" Plate	58.00 - 60.33	Auto	1.0000
L41	202	Banjo	55.33 - 60.33	Manual	1.0000
L42	10	CCI 6.5" x 1.25" Plate	52.17 - 55.33	Auto	1.0000
L42	11	CCI 6.5" x 1.25" Plate	52.17 - 55.33	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L42	12	CCI 6.5" x 1.25" Plate	52.17 - 55.33	Auto	1.0000
L42	79	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	80	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	81	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	82	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	83	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	84	CCI 8.5" x 1.25" Plate	55.25 - 55.33	Auto	1.0000
L42	202	Banjo	52.17 - 55.33	Manual	1.0000
L43	10	CCI 6.5" x 1.25" Plate	51.92 - 52.17	Auto	1.0000
L43	11	CCI 6.5" x 1.25" Plate	51.92 - 52.17	Auto	1.0000
L43	12	CCI 6.5" x 1.25" Plate	51.92 - 52.17	Auto	1.0000
L43	202	Banjo	51.92 - 52.17	Manual	1.0000
L44	10	CCI 6.5" x 1.25" Plate	46.92 - 51.92	Auto	1.0000
L44	11	CCI 6.5" x 1.25" Plate	46.92 - 51.92	Auto	1.0000
L44	12	CCI 6.5" x 1.25" Plate	46.92 - 51.92	Auto	1.0000
L44	22	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	23	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	24	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	25	1" x 2" Plate	46.92 - 50.42	Auto	1.0000
L44	42	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	43	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	44	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	45	CCI 6" x 1" Plate	46.92 - 50.17	Auto	1.0000
L44	72	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	73	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	74	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	75	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	76	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	77	CCI 6.5" x 1.25" Plate	46.92 - 47.83	Auto	1.0000
L44	202	Banjo	46.92 - 51.92	Manual	1.0000
L45	10	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	11	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	12	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	22	1" x 2" Plate	41.92 - 46.92	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L45	23	1" x 2" Plate	41.92 - 46.92	Auto	1.0000
L45	24	1" x 2" Plate	41.92 - 46.92	Auto	1.0000
L45	25	1" x 2" Plate	41.92 - 46.92	Auto	1.0000
L45	42	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	43	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	44	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	45	CCI 6" x 1" Plate	41.92 - 46.92	Auto	1.0000
L45	72	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	73	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	74	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	75	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	76	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	77	CCI 6.5" x 1.25" Plate	41.92 - 46.92	Auto	1.0000
L45	202	Banjo	41.92 - 46.92	Manual	1.0000
L46	10	CCI 6.5" x 1.25" Plate	40.83 - 41.92	Auto	1.0000
L46	11	CCI 6.5" x 1.25" Plate	40.83 - 41.92	Auto	1.0000
L46	12	CCI 6.5" x 1.25" Plate	40.83 - 41.92	Auto	1.0000
L46	22	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	23	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	24	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	25	1" x 2" Plate	40.58 - 41.92	Auto	1.0000
L46	42	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	43	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	44	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	45	CCI 6" x 1" Plate	40.23 - 41.92	Auto	1.0000
L46	72	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	73	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	74	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	75	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	76	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	77	CCI 6.5" x 1.25" Plate	40.23 - 41.92	Auto	1.0000
L46	202	Banjo	40.23 - 41.92	Manual	1.0000
L47	42	CCI 6" x 1" Plate	39.98 - 40.23	Auto	1.0000
L47	43	CCI 6" x 1" Plate	39.98 - 40.23	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L47	44	CCI 6" x 1" Plate	39.98 - 40.23	Auto	1.0000
L47	45	CCI 6" x 1" Plate	39.98 - 40.23	Auto	1.0000
L47	72	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	73	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	74	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	75	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	76	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	77	CCI 6.5" x 1.25" Plate	39.98 - 40.23	Auto	1.0000
L47	202	Banjo	39.98 - 40.23	Manual	1.0000
L48	6	CCI 6" x 1" Plate	34.98 - 39.75	Auto	1.0000
L48	7	CCI 6" x 1" Plate	34.98 - 39.75	Auto	1.0000
L48	8	CCI 6" x 1" Plate	34.98 - 39.75	Auto	1.0000
L48	42	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	43	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	44	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	45	CCI 6" x 1" Plate	37.17 - 39.98	Auto	1.0000
L48	72	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	73	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	74	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	75	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	76	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	77	CCI 6.5" x 1.25" Plate	34.98 - 39.98	Auto	1.0000
L48	202	Banjo	34.98 - 39.98	Manual	1.0000
L49	6	CCI 6" x 1" Plate	29.98 - 34.98	Auto	1.0000
L49	7	CCI 6" x 1" Plate	29.98 - 34.98	Auto	1.0000
L49	8	CCI 6" x 1" Plate	29.98 - 34.98	Auto	1.0000
L49	37	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	38	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	39	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	40	CCI 6" x 1" Plate	29.98 - 30.00	Auto	1.0000
L49	72	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	73	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	74	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	75	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L49	76	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	77	CCI 6.5" x 1.25" Plate	32.83 - 34.98	Auto	1.0000
L49	202	Banjo	29.98 - 34.98	Manual	1.0000
L50	6	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	7	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	8	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	37	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	38	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	39	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	40	CCI 6" x 1" Plate	28.00 - 29.98	Auto	1.0000
L50	202	Banjo	28.00 - 29.98	Manual	1.0000
L51	6	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	7	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	8	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	37	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	38	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	39	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	40	CCI 6" x 1" Plate	27.75 - 28.00	Auto	1.0000
L51	202	Banjo	27.75 - 28.00	Manual	1.0000
L52	6	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	7	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	8	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	37	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	38	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	39	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	40	CCI 6" x 1" Plate	22.75 - 27.75	Auto	1.0000
L52	65	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	66	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	67	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	68	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	69	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	70	CCI 6.5" x 1.25" Plate	22.75 - 27.50	Auto	1.0000
L52	202	Banjo	22.75 - 27.75	Manual	1.0000
L53	6	CCI 6" x 1" Plate	20.75 - 22.75	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L53	7	CCI 6" x 1" Plate	20.75 - 22.75	Auto	1.0000
L53	8	CCI 6" x 1" Plate	20.75 - 22.75	Auto	1.0000
L53	37	CCI 6" x 1" Plate	20.08 - 22.75	Auto	1.0000
L53	38	CCI 6" x 1" Plate	20.08 - 22.75	Auto	1.0000
L53	39	CCI 6" x 1" Plate	20.08 - 22.75	Auto	1.0000
L53	40	CCI 6" x 1" Plate	20.08 - 22.75	Auto	1.0000
L53	65	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	66	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	67	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	68	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	69	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	70	CCI 6.5" x 1.25" Plate	20.08 - 22.75	Auto	1.0000
L53	202	Banjo	20.08 - 22.75	Manual	1.0000
L54	37	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	38	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	39	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	40	CCI 6" x 1" Plate	19.83 - 20.08	Auto	1.0000
L54	65	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	66	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	67	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	68	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	69	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	70	CCI 6.5" x 1.25" Plate	19.83 - 20.08	Auto	1.0000
L54	202	Banjo	19.83 - 20.08	Manual	1.0000
L55	32	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	33	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	34	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	35	CCI 6" x 1" Plate	17.00 - 19.00	Auto	1.0000
L55	37	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	38	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	39	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	40	CCI 6" x 1" Plate	17.00 - 19.83	Auto	1.0000
L55	65	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	66	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L55	67	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	68	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	69	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	70	CCI 6.5" x 1.25" Plate	17.00 - 19.83	Auto	1.0000
L55	202	Banjo	17.00 - 19.83	Manual	1.0000
L56	32	CCI 6" x 1" Plate	16.75 - 17.00	Auto	1.0000
L56	33	CCI 6" x 1" Plate	16.75 - 17.00	Auto	1.0000
L56	34	CCI 6" x 1" Plate	16.75 - 17.00	Auto	1.0000
L56	35	CCI 6" x 1" Plate	16.75 - 17.00	Auto	1.0000
L56	65	CCI 6.5" x 1.25" Plate	16.75 - 17.00	Auto	1.0000
L56	66	CCI 6.5" x 1.25" Plate	16.75 - 17.00	Auto	1.0000
L56	67	CCI 6.5" x 1.25" Plate	16.75 - 17.00	Auto	1.0000
L56	68	CCI 6.5" x 1.25" Plate	16.75 - 17.00	Auto	1.0000
L56	69	CCI 6.5" x 1.25" Plate	16.75 - 17.00	Auto	1.0000
L56	70	CCI 6.5" x 1.25" Plate	16.75 - 17.00	Auto	1.0000
L56	202	Banjo	16.75 - 17.00	Manual	1.0000
L57	4	CCI 4" x 0.75" Plate	11.65 - 13.17	Auto	1.0000
L57	32	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	33	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	34	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	35	CCI 6" x 1" Plate	11.65 - 16.75	Auto	1.0000
L57	65	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	66	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	67	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	68	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	69	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	70	CCI 6.5" x 1.25" Plate	12.67 - 16.75	Auto	1.0000
L57	202	Banjo	11.65 - 16.75	Manual	1.0000
L58	4	CCI 4" x 0.75" Plate	11.42 - 11.65	Auto	1.0000
L58	32	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L58	33	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L58	34	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L58	35	CCI 6" x 1" Plate	11.42 - 11.65	Auto	1.0000
L58	202	Banjo	11.42 - 11.65	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L59	2	CCI 4" x 0.75" Plate	9.40 - 10.88	Auto	1.0000
L59	3	CCI 4" x 0.75" Plate	9.40 - 10.88	Auto	1.0000
L59	4	CCI 4" x 0.75" Plate	9.40 - 11.42	Auto	1.0000
L59	32	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L59	33	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L59	34	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L59	35	CCI 6" x 1" Plate	9.40 - 11.42	Auto	1.0000
L59	202	Banjo	9.40 - 11.42	Manual	1.0000
L60	2	CCI 4" x 0.75" Plate	9.15 - 9.40	Auto	1.0000
L60	3	CCI 4" x 0.75" Plate	9.15 - 9.40	Auto	1.0000
L60	4	CCI 4" x 0.75" Plate	9.15 - 9.40	Auto	1.0000
L60	32	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L60	33	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L60	34	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L60	35	CCI 6" x 1" Plate	9.15 - 9.40	Auto	1.0000
L60	202	Banjo	9.15 - 9.40	Manual	1.0000
L61	2	CCI 4" x 0.75" Plate	4.83 - 9.15	Auto	1.0000
L61	3	CCI 4" x 0.75" Plate	4.83 - 9.15	Auto	1.0000
L61	4	CCI 4" x 0.75" Plate	4.83 - 9.15	Auto	1.0000
L61	32	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L61	33	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L61	34	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L61	35	CCI 6" x 1" Plate	4.83 - 9.15	Auto	1.0000
L61	202	Banjo	4.83 - 9.15	Manual	1.0000
L62	2	CCI 4" x 0.75" Plate	4.58 - 4.83	Auto	1.0000
L62	3	CCI 4" x 0.75" Plate	4.58 - 4.83	Auto	1.0000
L62	4	CCI 4" x 0.75" Plate	4.58 - 4.83	Auto	1.0000
L62	32	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L62	33	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L62	34	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L62	35	CCI 6" x 1" Plate	4.58 - 4.83	Auto	1.0000
L62	202	Banjo	4.58 - 4.83	Manual	1.0000
L63	2	CCI 4" x 0.75" Plate	0.00 - 4.58	Auto	1.0000
L63	3	CCI 4" x 0.75" Plate	0.00 - 4.58	Auto	1.0000
L63	4	CCI 4" x 0.75" Plate	3.17 - 4.58	Auto	1.0000
L63	32	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000
L63	33	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000
L63	34	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000
L63	35	CCI 6" x 1" Plate	0.00 - 4.58	Auto	1.0000
L63	202	Banjo	4.00 - 4.58	Manual	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _A A _{Front}	C _A A _{Side}	Weight K	
Lightning Rod 5/8" x 4' on 4' Pole	B	From Leg	1.00	0.0000	191.67	No Ice	1.36	1.36	0.07
			0.00			1/2"	2.13	2.13	0.09
			4.00			Ice	2.70	2.70	0.11
						1" Ice	3.77	3.77	0.17
						2" Ice			
* 4' ICE SHIELDS	A	From Leg	0.50	0.0000	178.00	No Ice	1.40	0.47	0.03
			0.00			1/2"	1.88	0.64	0.10
			0.00			Ice	2.38	0.82	0.17
						1" Ice	3.39	1.21	0.33
						2" Ice			
4' ICE SHIELDS	A	From Leg	0.50	0.0000	138.00	No Ice	1.40	0.47	0.03
			0.00			1/2"	1.88	0.64	0.10
			0.00			Ice	2.38	0.82	0.17

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
4' ICE SHIELDS	A	From Leg	0.50 0.00 0.00	0.0000	98.00	1" Ice	3.39	1.21	0.33
						2" Ice			
						No Ice	1.40	0.47	0.03
						1/2" Ice	1.88	0.64	0.10
4' ICE SHIELDS	B	From Leg	0.50 0.00 0.00	0.0000	98.00	1" Ice	3.39	1.21	0.33
						2" Ice			
						No Ice	1.40	0.47	0.03
						1/2" Ice	1.88	0.64	0.10
4' ICE SHIELDS	C	From Leg	0.50 0.00 0.00	0.0000	98.00	Ice	2.38	0.82	0.17
						1" Ice	3.39	1.21	0.33
						2" Ice			
						No Ice	1.40	0.47	0.03
***** OGB4-900D	C	From Leg	3.00 0.00 4.00	0.0000	192.00	1/2" Ice	1.03	1.03	0.02
						Ice	1.28	1.28	0.03
						1" Ice	1.81	1.81	0.05
						2" Ice			
Side Arm Mount [SO 701-1]	C	From Leg	1.50 0.00 0.00	0.0000	192.00	No Ice	0.85	1.67	0.07
						1/2" Ice	1.14	2.34	0.08
						Ice	1.43	3.01	0.09
						1" Ice	2.01	4.35	0.12
*** DB589-A	B	From Leg	3.00 0.00 5.00	0.0000	191.00	2" Ice			
						No Ice	2.76	2.76	0.01
						1/2" Ice	4.17	4.17	0.03
						Ice	5.59	5.59	0.06
WB2623 w/ Mount Pipe	B	From Leg	3.00 0.00 -1.00	0.0000	191.00	1" Ice	8.49	8.49	0.15
						2" Ice			
						No Ice	1.93	0.87	0.02
						1/2" Ice	2.16	1.11	0.04
Side Arm Mount [SO 701-1]	B	From Leg	1.50 0.00 0.00	0.0000	191.00	Ice	2.40	1.37	0.06
						1" Ice	2.91	1.94	0.11
						2" Ice			
						No Ice	0.85	1.67	0.07
*** AIR -32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	181.00	1/2" Ice	4.12	3.49	0.25
						Ice	4.48	3.84	0.32
						1" Ice	5.24	4.58	0.48
						2" Ice			
AIR -32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	181.00	No Ice	3.76	3.15	0.19
						1/2" Ice	4.12	3.49	0.25
						Ice	4.48	3.84	0.32
						1" Ice	5.24	4.58	0.48
AIR -32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	181.00	2" Ice			
						No Ice	3.76	3.15	0.19
						1/2" Ice	4.12	3.49	0.25
						Ice	4.48	3.84	0.32
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	181.00	1" Ice	5.24	4.58	0.48
						2" Ice			
						No Ice	5.19	2.71	0.13
						1/2" Ice	5.59	3.04	0.17
						Ice	6.02	3.38	0.23
						1" Ice	6.90	4.12	0.35
						2" Ice			
						No Ice			

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00	0.0000	181.00	No Ice	5.19	2.71	0.13
			0.00			1/2"	5.59	3.04	0.17
			0.00			Ice	6.02	3.38	0.23
						1" Ice	6.90	4.12	0.35
						2" Ice			
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00	0.0000	181.00	No Ice	5.19	2.71	0.13
			0.00			1/2"	5.59	3.04	0.17
			0.00			Ice	6.02	3.38	0.23
						1" Ice	6.90	4.12	0.35
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00	0.0000	181.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			0.00			Ice	16.23	8.25	0.46
						1" Ice	17.82	9.67	0.79
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00	0.0000	181.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			0.00			Ice	16.23	8.25	0.46
						1" Ice	17.82	9.67	0.79
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00	0.0000	181.00	No Ice	14.69	6.87	0.19
			0.00			1/2"	15.46	7.55	0.31
			0.00			Ice	16.23	8.25	0.46
						1" Ice	17.82	9.67	0.79
						2" Ice			
RADIO 4415 B25_TMO	A	From Leg	4.00	0.0000	181.00	No Ice	1.86	0.87	0.05
			0.00			1/2"	2.03	1.00	0.06
			0.00			Ice	2.20	1.13	0.08
						1" Ice	2.58	1.43	0.12
						2" Ice			
RADIO 4415 B25_TMO	B	From Leg	4.00	0.0000	181.00	No Ice	1.86	0.87	0.05
			0.00			1/2"	2.03	1.00	0.06
			0.00			Ice	2.20	1.13	0.08
						1" Ice	2.58	1.43	0.12
						2" Ice			
RADIO 4415 B25_TMO	C	From Leg	4.00	0.0000	181.00	No Ice	1.86	0.87	0.05
			0.00			1/2"	2.03	1.00	0.06
			0.00			Ice	2.20	1.13	0.08
						1" Ice	2.58	1.43	0.12
						2" Ice			
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00	0.0000	181.00	No Ice	1.97	1.59	0.07
			0.00			1/2"	2.15	1.75	0.09
			0.00			Ice	2.33	1.92	0.12
						1" Ice	2.72	2.28	0.17
						2" Ice			
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00	0.0000	181.00	No Ice	1.97	1.59	0.07
			0.00			1/2"	2.15	1.75	0.09
			0.00			Ice	2.33	1.92	0.12
						1" Ice	2.72	2.28	0.17
						2" Ice			
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00	0.0000	181.00	No Ice	1.97	1.59	0.07
			0.00			1/2"	2.15	1.75	0.09
			0.00			Ice	2.33	1.92	0.12
						1" Ice	2.72	2.28	0.17
						2" Ice			
ATBT-BOTTOM-24V	A	From Leg	4.00	0.0000	181.00	No Ice	0.10	0.06	0.00
			0.00			1/2"	0.15	0.10	0.00
			0.00			Ice	0.20	0.15	0.01
						1" Ice	0.32	0.26	0.01
						2" Ice			
ATBT-BOTTOM-24V	B	From Leg	4.00	0.0000	181.00	No Ice	0.10	0.06	0.00
			0.00			1/2"	0.15	0.10	0.00
			0.00			Ice	0.20	0.15	0.01
						1" Ice	0.32	0.26	0.01
						2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
ATBT-BOTTOM-24V	C	From Leg	4.00 0.00 0.00	0.0000	181.00	No Ice 1/2" Ice 1" 2"	0.10 0.15 0.20 0.32	0.06 0.10 0.15 0.26	0.00 0.00 0.01 0.01
Platform Mount [LP 405-1_HR-1]	C	None		0.0000	181.00	No Ice 1/2" Ice 1" 2"	25.33 33.79 42.16 58.77	25.33 33.79 42.16 58.77	2.06 2.63 3.36 5.25

MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
TA08025-B604	A	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	B	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	B	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
RDIDC-9181-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" 2"	2.01 2.19 2.37 2.76	1.17 1.31 1.46 1.78	0.02 0.04 0.06 0.11
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1"	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} _{Front}	C _{AA} _{Side}	Weight	
			Horz	Lateral						Vert
			ft	ft	°	ft	ft ²	ft ²	K	
(2) 8' x 2" Mount Pipe	B	From Leg	4.00	0.00	0.0000	171.00	2" Ice			
							No Ice	1.90	1.90	0.03
							1/2"	2.73	2.73	0.04
							Ice	3.40	3.40	0.06
							1" Ice	4.40	4.40	0.12
(2) 8' x 2" Mount Pipe	C	From Leg	4.00	0.00	0.0000	171.00	2" Ice			
							No Ice	1.90	1.90	0.03
							1/2"	2.73	2.73	0.04
							Ice	3.40	3.40	0.06
							1" Ice	4.40	4.40	0.12
Commscope MC-PK8-DSH	C	None			0.0000	171.00	2" Ice			
							No Ice	34.24	34.24	1.75
							1/2"	62.95	62.95	2.10
							Ice	91.66	91.66	2.45
							1" Ice	149.08	149.08	3.15
*** (2) NNHH-65B-R4 w/ Mount Pipe	A	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	7.55	4.23	0.11
							1/2"	8.04	4.67	0.20
							Ice	8.53	5.12	0.30
							1" Ice	9.56	6.05	0.53
(2) NNHH-65B-R4 w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	7.55	4.23	0.11
							1/2"	8.04	4.67	0.20
							Ice	8.53	5.12	0.30
							1" Ice	9.56	6.05	0.53
(2) NNHH-65B-R4 w/ Mount Pipe	C	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	7.55	4.23	0.11
							1/2"	8.04	4.67	0.20
							Ice	8.53	5.12	0.30
							1" Ice	9.56	6.05	0.53
LNX-6514DS-A1M w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	4.09	3.30	0.06
							1/2"	4.49	3.68	0.13
							Ice	4.89	4.06	0.20
							1" Ice	5.71	4.87	0.38
RFV01U-D1A	A	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	1.88	1.25	0.08
							1/2"	2.05	1.39	0.10
							Ice	2.22	1.54	0.12
							1" Ice	2.60	1.86	0.18
RFV01U-D1A	B	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	1.88	1.25	0.08
							1/2"	2.05	1.39	0.10
							Ice	2.22	1.54	0.12
							1" Ice	2.60	1.86	0.18
RFV01U-D1A	C	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	1.88	1.25	0.08
							1/2"	2.05	1.39	0.10
							Ice	2.22	1.54	0.12
							1" Ice	2.60	1.86	0.18
RFV01U-D2A	A	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	1.88	1.01	0.07
							1/2"	2.05	1.14	0.09
							Ice	2.22	1.28	0.11
							1" Ice	2.60	1.59	0.15
RFV01U-D2A	B	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	1.88	1.01	0.07
							1/2"	2.05	1.14	0.09
							Ice	2.22	1.28	0.11
							1" Ice	2.60	1.59	0.15
RFV01U-D2A	C	From Leg	4.00	0.00	0.0000	160.00	2" Ice			
							No Ice	1.88	1.01	0.07
							1/2"	2.05	1.14	0.09
							Ice	2.22	1.28	0.11
							1" Ice	2.22	1.28	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
						1" Ice 2" Ice	2.60 1.59	0.15	
Platform Mount [LP 303-1]	C	None		0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 18.01 21.34 28.08	14.69 18.01 21.34 28.08	1.25 1.57 1.94 2.85

LNx-6514DS-A1M w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.71	3.30 3.68 4.06 4.87	0.06 0.13 0.20 0.38
HBXX-6517DS-A2M w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.97 8.73 9.51 11.11	5.99 6.72 7.47 9.02	0.08 0.14 0.21 0.40
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
RVZDC-6627-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.73 2.95 3.42	0.03 0.06 0.10 0.18
Mount Reinforcement Specifications	C	None		0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	28.63 37.31 45.80 62.38	28.63 37.31 45.80 62.38	0.28 0.67 0.94 1.63

SRL-224NM-4	B	From Leg	6.00 0.00 0.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.60 4.68 6.76 10.92	2.60 4.68 6.76 10.92	0.04 0.05 0.06 0.08
DB205-A	C	From Leg	6.00 0.00 0.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.20 2.16 3.12 5.04	1.20 2.16 3.12 5.04	0.04 0.05 0.06 0.08
Side Arm Mount [SO 702- 1]	B	From Leg	3.00 0.00 0.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.62 0.74 0.89 1.25	1.49 2.07 2.54 3.55	0.03 0.04 0.06 0.12
Side Arm Mount [SO 702- 1]	C	From Leg	3.00 0.00 0.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.62 0.74 0.89 1.25	1.49 2.07 2.54 3.55	0.03 0.04 0.06 0.12
4' x 2" Pipe Mount	B	From Leg	6.00	0.0000	158.00	No Ice	0.79	0.79	0.03

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} _{Front}	C _{AA} _{Side}	Weight	
			Horz	Lateral						ft
			ft	ft	°	ft	ft ²	ft ²	K	
4' x 2" Pipe Mount	C	From Leg	0.00				1/2"	1.03	1.03	0.04
			0.00				Ice	1.28	1.28	0.04
							1" Ice	1.81	1.81	0.07
							2" Ice			
			6.00	0.0000	158.00	No Ice	0.79	0.79	0.03	
			0.00			1/2"	1.03	1.03	0.04	
			0.00			Ice	1.28	1.28	0.04	
						1" Ice	1.81	1.81	0.07	
						2" Ice				

SBNH-1D6565C w/ Mount Pipe	A	From Leg	4.00	0.0000	151.00	No Ice	5.56	4.47	0.08	
			0.00			1/2"	6.07	4.97	0.17	
			0.00			Ice	6.59	5.47	0.26	
						1" Ice	7.65	6.52	0.50	
						2" Ice				
SBNH-1D6565C w/ Mount Pipe	B	From Leg	4.00	0.0000	151.00	No Ice	5.56	4.47	0.08	
			0.00			1/2"	6.07	4.97	0.17	
			0.00			Ice	6.59	5.47	0.26	
						1" Ice	7.65	6.52	0.50	
						2" Ice				
SBNH-1D6565C w/ Mount Pipe	C	From Leg	4.00	0.0000	151.00	No Ice	5.56	4.47	0.08	
			0.00			1/2"	6.07	4.97	0.17	
			0.00			Ice	6.59	5.47	0.26	
						1" Ice	7.65	6.52	0.50	
						2" Ice				
7770.00 w/ Mount Pipe	A	From Leg	4.00	0.0000	151.00	No Ice	5.75	4.25	0.06	
			0.00			1/2"	6.18	5.01	0.10	
			0.00			Ice	6.61	5.71	0.16	
						1" Ice	7.49	7.16	0.29	
						2" Ice				
7770.00 w/ Mount Pipe	B	From Leg	4.00	0.0000	151.00	No Ice	5.75	4.25	0.06	
			0.00			1/2"	6.18	5.01	0.10	
			0.00			Ice	6.61	5.71	0.16	
						1" Ice	7.49	7.16	0.29	
						2" Ice				
7770.00 w/ Mount Pipe	C	From Leg	4.00	0.0000	151.00	No Ice	5.75	4.25	0.06	
			0.00			1/2"	6.18	5.01	0.10	
			0.00			Ice	6.61	5.71	0.16	
						1" Ice	7.49	7.16	0.29	
						2" Ice				
TPA-65R-LCUUUU-H8 w/ Mount Pipe	A	From Leg	4.00	0.0000	151.00	No Ice	11.85	8.99	0.11	
			0.00			1/2"	12.77	9.88	0.21	
			0.00			Ice	13.71	10.79	0.32	
						1" Ice	15.64	12.66	0.58	
						2" Ice				
TPA-65R-LCUUUU-H8 w/ Mount Pipe	B	From Leg	4.00	0.0000	151.00	No Ice	11.85	8.99	0.11	
			0.00			1/2"	12.77	9.88	0.21	
			0.00			Ice	13.71	10.79	0.32	
						1" Ice	15.64	12.66	0.58	
						2" Ice				
TPA-65R-LCUUUU-H8 w/ Mount Pipe	C	From Leg	4.00	0.0000	151.00	No Ice	11.85	8.99	0.11	
			0.00			1/2"	12.77	9.88	0.21	
			0.00			Ice	13.71	10.79	0.32	
						1" Ice	15.64	12.66	0.58	
						2" Ice				
DTMABP7819VG12A	A	From Leg	4.00	0.0000	151.00	No Ice	0.98	0.34	0.02	
			0.00			1/2"	1.10	0.42	0.03	
			0.00			Ice	1.23	0.51	0.04	
						1" Ice	1.52	0.71	0.06	
						2" Ice				
DTMABP7819VG12A	B	From Leg	4.00	0.0000	151.00	No Ice	0.98	0.34	0.02	
			0.00			1/2"	1.10	0.42	0.03	
			0.00			Ice	1.23	0.51	0.04	
						1" Ice	1.52	0.71	0.06	
						2" Ice				

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
DTMABP7819VG12A	C	From Leg	4.00	0.0000	151.00	No Ice	0.98	0.34	0.02
			0.00			1/2"	1.10	0.42	0.03
			0.00			Ice	1.23	0.51	0.04
						1" Ice	1.52	0.71	0.06
						2" Ice			
RRUS 32	A	From Leg	4.00	0.0000	151.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.08	1.97	0.08
			0.00			Ice	3.32	2.17	0.10
						1" Ice	3.81	2.58	0.16
						2" Ice			
RRUS 32	B	From Leg	4.00	0.0000	151.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.08	1.97	0.08
			0.00			Ice	3.32	2.17	0.10
						1" Ice	3.81	2.58	0.16
						2" Ice			
RRUS 32	C	From Leg	4.00	0.0000	151.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.08	1.97	0.08
			0.00			Ice	3.32	2.17	0.10
						1" Ice	3.81	2.58	0.16
						2" Ice			
RRUS 32 B2	A	From Leg	4.00	0.0000	151.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			0.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
RRUS 32 B2	B	From Leg	4.00	0.0000	151.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			0.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
RRUS 32 B2	C	From Leg	4.00	0.0000	151.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			0.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
DBC0062F3V52-1	A	From Leg	4.00	0.0000	151.00	No Ice	0.71	0.22	0.01
			0.00			1/2"	0.82	0.29	0.02
			0.00			Ice	0.93	0.37	0.02
						1" Ice	1.18	0.54	0.04
						2" Ice			
DBC0062F3V52-1	B	From Leg	4.00	0.0000	151.00	No Ice	0.71	0.22	0.01
			0.00			1/2"	0.82	0.29	0.02
			0.00			Ice	0.93	0.37	0.02
						1" Ice	1.18	0.54	0.04
						2" Ice			
DBC0062F3V52-1	C	From Leg	4.00	0.0000	151.00	No Ice	0.71	0.22	0.01
			0.00			1/2"	0.82	0.29	0.02
			0.00			Ice	0.93	0.37	0.02
						1" Ice	1.18	0.54	0.04
						2" Ice			
DC6-48-60-18-8F	C	From Leg	4.00	0.0000	151.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			0.00			Ice	1.64	1.64	0.06
						1" Ice	2.04	2.04	0.11
						2" Ice			
Platform Mount [LP 403-1_KCKR]	C	None		0.0000	151.00	No Ice	30.16	30.16	1.77
						1/2"	37.53	37.53	2.32
						Ice	45.13	45.13	2.97
						1" Ice	61.01	61.01	4.61
						2" Ice			
Miscellaneous [NA 510-1]	C	None		0.0000	151.00	No Ice	6.36	6.36	0.26
						1/2"	8.52	8.52	0.34
						Ice	10.62	10.62	0.46
						1" Ice	14.64	14.64	0.77
						2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K

RRUS 11	B	From Leg	4.00	0.0000	150.00	No Ice	2.78	1.19	0.05
			0.00			1/2"	2.99	1.33	0.07
			2.00			Ice	3.21	1.49	0.09
						1" Ice	3.66	1.83	0.15
						2" Ice			
RRUS 11	C	From Leg	4.00	0.0000	150.00	No Ice	2.78	1.19	0.05
			0.00			1/2"	2.99	1.33	0.07
			2.00			Ice	3.21	1.49	0.09
						1" Ice	3.66	1.83	0.15
						2" Ice			
RRUS 12	B	From Leg	4.00	0.0000	150.00	No Ice	3.15	1.29	0.06
			0.00			1/2"	3.36	1.44	0.08
			0.00			Ice	3.59	1.60	0.11
						1" Ice	4.07	1.95	0.17
						2" Ice			
RRUS 12	C	From Leg	4.00	0.0000	150.00	No Ice	3.15	1.29	0.06
			0.00			1/2"	3.36	1.44	0.08
			0.00			Ice	3.59	1.60	0.11
						1" Ice	4.07	1.95	0.17
						2" Ice			
DC6-48-60-18-8F	C	From Leg	4.00	0.0000	150.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			2.00			Ice	1.64	1.64	0.06
						1" Ice	2.04	2.04	0.11
						2" Ice			
Side Arm Mount [SO 102-3]	C	None		0.0000	150.00	No Ice	3.60	3.60	0.07
						1/2"	4.18	4.18	0.11
						Ice	4.75	4.75	0.14
						1" Ice	5.90	5.90	0.20
						2" Ice			
Pipe Mount [PM 601-3]	C	None		0.0000	150.00	No Ice	3.17	3.17	0.20
						1/2"	3.79	3.79	0.23
						Ice	4.42	4.42	0.28
						1" Ice	5.76	5.76	0.40
						2" Ice			

SRL-235-2	B	From Leg	6.00	0.0000	132.00	No Ice	7.00	7.00	0.08
			0.00			1/2"	9.04	9.04	0.13
			0.00			Ice	11.09	11.09	0.19
						1" Ice	15.25	15.25	0.35
						2" Ice			
Side Arm Mount [SO 702-1]	B	From Leg	3.00	0.0000	132.00	No Ice	0.62	1.49	0.03
			0.00			1/2"	0.74	2.07	0.04
			0.00			Ice	0.89	2.54	0.06
						1" Ice	1.25	3.55	0.12
						2" Ice			
Side Arm Mount [SO 104-3]	C	None		0.0000	132.00	No Ice	2.62	2.62	0.29
						1/2"	3.30	3.30	0.41
						Ice	3.98	3.98	0.53
						1" Ice	5.35	5.35	0.77
						2" Ice			
4' x 2" Pipe Mount	B	From Leg	6.00	0.0000	132.00	No Ice	0.79	0.79	0.03
			0.00			1/2"	1.03	1.03	0.04
			0.00			Ice	1.28	1.28	0.04
						1" Ice	1.81	1.81	0.07
						2" Ice			

PCS 1900 TMA RX	A	From Leg	2.00	0.0000	124.00	No Ice	0.54	0.53	0.02
			0.00			1/2"	0.64	0.63	0.02
			0.00			Ice	0.75	0.73	0.03
						1" Ice	0.98	0.97	0.05
						2" Ice			
Side Arm Mount [SO 104-3]	A	None		0.0000	124.00	No Ice	2.62	2.62	0.29
						3.30	3.30	0.41	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
						1/2" Ice	3.98	3.98	0.53
						2" Ice	5.35	5.35	0.77
2' x 2" Pipe Mount	A	From Leg	2.00	0.0000	124.00	No Ice	0.02	0.02	0.01
			0.00			1/2" Ice	0.05	0.05	0.01
			0.00			1" Ice	0.09	0.09	0.01
						2" Ice	0.19	0.19	0.01

844G65VTZAS w/ Mount Pipe	A	From Leg	4.00	0.0000	116.00	No Ice	5.49	4.98	0.03
			0.00			1/2" Ice	5.88	5.60	0.09
			2.00			1" Ice	6.27	6.23	0.14
						2" Ice	7.09	7.53	0.28
844G65VTZAS w/ Mount Pipe	B	From Leg	4.00	0.0000	116.00	No Ice	5.49	4.98	0.03
			0.00			1/2" Ice	5.88	5.60	0.09
			2.00			1" Ice	6.27	6.23	0.14
						2" Ice	7.09	7.53	0.28
844G65VTZAS w/ Mount Pipe	C	From Leg	4.00	0.0000	116.00	No Ice	5.49	4.98	0.03
			0.00			1/2" Ice	5.88	5.60	0.09
			2.00			1" Ice	6.27	6.23	0.14
						2" Ice	7.09	7.53	0.28
(2) 844G65VTZAS	A	From Leg	4.00	0.0000	116.00	No Ice	5.25	3.80	0.02
			0.00			1/2" Ice	5.58	4.10	0.05
			2.00			1" Ice	5.91	4.42	0.10
						2" Ice	6.60	5.07	0.20
(2) 844G65VTZAS	B	From Leg	4.00	0.0000	116.00	No Ice	5.25	3.80	0.02
			0.00			1/2" Ice	5.58	4.10	0.05
			2.00			1" Ice	5.91	4.42	0.10
						2" Ice	6.60	5.07	0.20
(2) 844G65VTZAS	C	From Leg	4.00	0.0000	116.00	No Ice	5.25	3.80	0.02
			0.00			1/2" Ice	5.58	4.10	0.05
			2.00			1" Ice	5.91	4.42	0.10
						2" Ice	6.60	5.07	0.20
Dual Mount Bracket	A	From Leg	4.00	0.0000	116.00	No Ice	1.66	1.66	0.03
			0.00			1/2" Ice	2.39	2.39	0.04
			0.00			1" Ice	2.83	2.83	0.06
						2" Ice	3.71	3.71	0.10
Dual Mount Bracket	B	From Leg	4.00	0.0000	116.00	No Ice	1.66	1.66	0.03
			0.00			1/2" Ice	2.39	2.39	0.04
			0.00			1" Ice	2.83	2.83	0.06
						2" Ice	3.71	3.71	0.10
Dual Mount Bracket	C	From Leg	4.00	0.0000	116.00	No Ice	1.66	1.66	0.03
			0.00			1/2" Ice	2.39	2.39	0.04
			0.00			1" Ice	2.83	2.83	0.06
						2" Ice	3.71	3.71	0.10

LLPX310R-V4	A	From Leg	4.00	0.0000	116.00	No Ice	3.87	1.49	0.04
			0.00			1/2" Ice	4.30	1.86	0.07
			2.00			1" Ice	4.74	2.24	0.10
						2" Ice	5.68	3.06	0.17
LLPX310R-V4	B	From Leg	4.00	0.0000	116.00	No Ice	3.87	1.49	0.04
			0.00			1/2" Ice	4.30	1.86	0.07
			2.00			1" Ice	4.74	2.24	0.10
						2" Ice	5.68	3.06	0.17

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight	
			Horz	Lateral						Vert
			ft	ft	°	ft	ft ²	ft ²	K	
LLPX310R-V4	C	From Leg	4.00	0.00	0.0000	116.00	2" Ice			
							No Ice	3.87	1.49	0.04
							1/2"	4.30	1.86	0.07
							Ice	4.74	2.24	0.10
WIMAX DAP HEAD	A	From Leg	4.00	0.00	0.0000	116.00	1" Ice	5.68	3.06	0.17
							2" Ice			
							No Ice	1.55	0.68	0.03
							1/2"	1.70	0.80	0.04
WIMAX DAP HEAD	B	From Leg	4.00	0.00	0.0000	116.00	Ice	1.87	0.92	0.06
							1" Ice	2.22	1.19	0.09
							2" Ice			
							No Ice	1.55	0.68	0.03
WIMAX DAP HEAD	C	From Leg	4.00	0.00	0.0000	116.00	1/2"	1.70	0.80	0.04
							Ice	1.87	0.92	0.06
							1" Ice	2.22	1.19	0.09
							2" Ice			
WIMAX DAP HEAD	A	From Leg	4.00	0.00	0.0000	116.00	No Ice	0.17	0.24	0.01
							1/2"	0.25	0.34	0.02
							Ice	0.34	0.46	0.03
							1" Ice	0.53	0.70	0.06
Platform Mount [LP 405-1_HR-1]	C	None			0.0000	116.00	2" Ice			
							No Ice	25.33	25.33	2.06
							1/2"	33.79	33.79	2.63
							Ice	42.16	42.16	3.36
Dual Mount Bracket	A	From Leg	4.00	0.00	0.0000	116.00	1" Ice	58.77	58.77	5.25
							2" Ice			
							No Ice	1.66	1.66	0.03
							1/2"	2.39	2.39	0.04
Dual Mount Bracket	B	From Leg	4.00	0.00	0.0000	116.00	Ice	2.83	2.83	0.06
							1" Ice	3.71	3.71	0.10
							2" Ice			
							No Ice	1.66	1.66	0.03
Dual Mount Bracket	C	From Leg	4.00	0.00	0.0000	116.00	1/2"	2.39	2.39	0.04
							Ice	2.83	2.83	0.06
							1" Ice	3.71	3.71	0.10
							2" Ice			
Dual Mount Bracket	A	From Leg	4.00	0.00	0.0000	116.00	No Ice	1.66	1.66	0.03
							1/2"	2.39	2.39	0.04
							Ice	2.83	2.83	0.06
							1" Ice	3.71	3.71	0.10
*** NNVV-65B-R4	A	From Leg	4.00	0.00	0.0000	116.00	2" Ice			
							No Ice	7.62	3.01	0.08
							1/2"	8.12	3.45	0.15
							Ice	8.63	3.90	0.23
NNVV-65B-R4	B	From Leg	4.00	0.00	0.0000	116.00	1" Ice	9.68	4.82	0.41
							2" Ice			
							No Ice	7.62	3.01	0.08
							1/2"	8.12	3.45	0.15
NNVV-65B-R4	C	From Leg	4.00	0.00	0.0000	116.00	Ice	8.63	3.90	0.23
							1" Ice	9.68	4.82	0.41
							2" Ice			
							No Ice	7.62	3.01	0.08
AHCC	A	From Leg	4.00	0.00	0.0000	116.00	1/2"	8.12	3.45	0.15
							Ice	8.63	3.90	0.23
							1" Ice	9.68	4.82	0.41
							2" Ice			
AHCC	A	From Leg	4.00	0.00	0.0000	116.00	No Ice	1.63	1.14	0.05
							1/2"	1.79	1.28	0.06
							Ice	1.96	1.43	0.08

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight	
			Horz	Lateral						Vert
			ft	ft	°	ft	ft ²	ft ²	K	
AHCC	B	From Leg	4.00	0.00	0.0000	116.00	1" Ice	2.32	1.75	0.12
							2" Ice			
							No Ice	1.63	1.14	0.05
							1/2" Ice	1.79	1.28	0.06
							Ice	1.96	1.43	0.08
AHCC	C	From Leg	4.00	0.00	0.0000	116.00	1" Ice	2.32	1.75	0.12
							2" Ice			
							No Ice	1.63	1.14	0.05
							1/2" Ice	1.79	1.28	0.06
							Ice	1.96	1.43	0.08
PCS 1900MHZ 4X45W-65MHZ	A	From Leg	4.00	0.00	0.0000	116.00	1" Ice	2.32	1.75	0.12
							2" Ice			
							No Ice	2.32	2.24	0.06
							1/2" Ice	2.53	2.44	0.08
							Ice	2.74	2.65	0.11
(2) PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.00	0.00	0.0000	116.00	1" Ice	3.19	3.09	0.17
							2" Ice			
							No Ice	2.32	2.24	0.06
							1/2" Ice	2.53	2.44	0.08
							Ice	2.74	2.65	0.11
**** DB205-A	C	From Leg	6.00	0.00	0.0000	90.00	1" Ice	3.19	3.09	0.17
							2" Ice			
							No Ice	1.20	1.20	0.04
							1/2" Ice	2.16	2.16	0.05
							Ice	3.12	3.12	0.06
MT-485002	C	From Leg	6.00	0.00	0.0000	90.00	1" Ice	5.04	5.04	0.08
							2" Ice			
							No Ice	1.20	0.13	0.00
							1/2" Ice	1.34	0.21	0.01
							Ice	1.48	0.29	0.02
Side Arm Mount [SO 702-3]	C	None	0.00	0.00	0.0000	90.00	1" Ice	1.79	0.47	0.04
							2" Ice			
							No Ice	2.53	2.53	0.08
							1/2" Ice	3.37	3.37	0.13
							Ice	4.12	4.12	0.19
5' x 2" Pipe Mount	C	From Leg	6.00	0.00	0.0000	90.00	1" Ice	5.76	5.76	0.36
							2" Ice			
							No Ice	1.19	1.19	0.02
							1/2" Ice	1.50	1.50	0.03
							Ice	1.81	1.81	0.04
*** SRL-235-2	C	From Leg	3.00	0.00	0.0000	70.00	1" Ice	2.46	2.46	0.08
							2" Ice			
							No Ice	7.00	7.00	0.08
							1/2" Ice	9.04	9.04	0.13
							Ice	11.09	11.09	0.19
Side Arm Mount [SO 701-1]	C	From Leg	1.50	0.00	0.0000	70.00	1" Ice	15.25	15.25	0.35
							2" Ice			
							No Ice	0.85	1.67	0.07
							1/2" Ice	1.14	2.34	0.08
							Ice	1.43	3.01	0.09
Side Arm Mount [SO 102-3]	C	None	0.00	0.00	0.0000	70.00	1" Ice	2.01	4.35	0.12
							2" Ice			
							No Ice	3.60	3.60	0.07
							1/2" Ice	4.18	4.18	0.11
							Ice	4.75	4.75	0.14
6' x 2" Mount Pipe	C	From Leg	3.00	0.00	0.0000	70.00	1" Ice	5.90	5.90	0.20
							2" Ice			
							No Ice	1.43	1.43	0.02
							1/2" Ice	1.92	1.92	0.03
							Ice	2.29	2.29	0.05
***							1" Ice	3.06	3.06	0.09
							2" Ice			

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
DB909XVTE-M	B	From Leg	3.00 0.00 0.00	0.0000	33.00	No Ice	1.95	1.95	0.02
						1/2" Ice	2.62	2.62	0.05
						Ice	2.95	2.95	0.07
						1" Ice	3.64	3.64	0.14
Side Arm Mount [SO 701-1]	B	From Leg	1.50 0.00 0.00	0.0000	33.00	No Ice	0.85	1.67	0.07
						1/2" Ice	1.14	2.34	0.08
						Ice	1.43	3.01	0.09
						1" Ice	2.01	4.35	0.12
Side Arm Mount [SO 102-3]	B	None		0.0000	33.00	No Ice	3.60	3.60	0.07
						1/2" Ice	4.18	4.18	0.11
						Ice	4.75	4.75	0.14
						1" Ice	5.90	5.90	0.20
6' x 2" Mount Pipe	B	From Leg	3.00 0.00 0.00	0.0000	33.00	No Ice	1.43	1.43	0.02
						1/2" Ice	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft ²	Weight K
VHLP2-18	B	Paraboloid w/o Radome	From Leg	4.00 0.00 4.00	0.0000		116.00	2.17	No Ice	3.72	0.03
									1/2" Ice	4.01	0.05
									1" Ice	4.30	0.07
									2" Ice	4.88	0.11
* KP2F-34	B	Grid	From Leg	6.00 0.00 0.00	5.0000		90.00	2.00	No Ice	3.14	0.01
									1/2" Ice	3.41	0.02
									1" Ice	3.68	0.04
									2" Ice	4.28	0.07

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

Comb. No.	Description
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	191.667 - 186.667	Pole	Max Tension	36	0.00	-0.00	0.00
			Max. Compression	26	-1.34	-0.76	-0.94
			Max. Mx	8	-0.72	-3.41	-0.42
			Max. My	14	-0.72	-0.25	-3.68
			Max. Vy	20	-0.61	3.02	-0.26
			Max. Vx	14	0.62	-0.25	-3.68
			Max. Torque	6			-0.72
L2	186.667 - 181.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-2.28	-0.76	-1.04
			Max. Mx	8	-1.36	-7.27	-0.57
			Max. My	14	-1.36	-0.35	-7.65
			Max. Vy	20	-0.91	6.88	-0.21
			Max. Vx	14	0.92	-0.35	-7.65
			Max. Torque	6			-0.72
L3	181.567 - 176.567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-13.33	-0.80	-0.78
			Max. Mx	8	-6.53	-28.09	-0.69
			Max. My	14	-6.54	-0.46	-28.54
			Max. Vy	20	-4.72	27.69	-0.12
			Max. Vx	14	4.76	-0.46	-28.54

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L4	176.567 - 171.567	Pole	Max. Torque	6			-0.72
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-14.27	-0.84	-0.90
			Max. Mx	8	-7.18	-52.41	-0.86
			Max. My	14	-7.19	-0.57	-53.13
			Max. Vy	20	-5.01	52.02	-0.09
			Max. Vx	14	5.05	-0.57	-53.13
L5	171.567 - 166.567	Pole	Max. Torque	6			-0.70
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-21.24	-0.91	-0.64
			Max. Mx	8	-10.88	-91.07	-0.95
			Max. My	14	-10.89	-0.70	-92.06
			Max. Vy	20	-8.20	90.68	0.04
			Max. Vx	14	8.27	-0.70	-92.06
L6	166.567 - 161.567	Pole	Max. Torque	6			-0.70
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.22	-0.97	-0.83
			Max. Mx	8	-11.56	-132.77	-1.15
			Max. My	14	-11.56	-0.83	-134.14
			Max. Vy	20	-8.48	132.38	0.06
			Max. Vx	14	8.54	-0.83	-134.14
L7	161.567 - 156.567	Pole	Max. Torque	17			0.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.19	-2.57	-3.90
			Max. Mx	8	-16.01	-192.02	-2.45
			Max. My	14	-16.02	-1.38	-194.43
			Max. Vy	20	-13.34	190.82	-0.83
			Max. Vx	14	13.41	-1.38	-194.43
L8	156.567 - 151.567	Pole	Max. Torque	7			-2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.44	-2.91	-3.96
			Max. Mx	8	-16.77	-259.43	-2.77
			Max. My	14	-16.79	-1.71	-262.10
			Max. Vy	20	-13.61	258.12	-0.64
			Max. Vx	14	13.65	-1.71	-262.10
L9	151.567 - 146.567	Pole	Max. Torque	7			-2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.18	-2.54	-5.86
			Max. Mx	8	-21.81	-348.86	-3.84
			Max. My	14	-21.84	-1.85	-352.17
			Max. Vy	20	-18.64	347.87	-1.20
			Max. Vx	14	18.54	-1.85	-352.17
L10	146.567 - 141.567	Pole	Max. Torque	19			2.74
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.47	-2.90	-5.92
			Max. Mx	8	-22.68	-442.54	-4.15
			Max. My	14	-22.71	-2.18	-445.30
			Max. Vy	20	-18.83	441.45	-1.01
			Max. Vx	14	18.71	-2.18	-445.30
L11	141.567 - 141.417	Pole	Max. Torque	19			2.74
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.51	-2.92	-5.92
			Max. Mx	8	-22.71	-445.36	-4.16
			Max. My	14	-22.74	-2.19	-448.11
			Max. Vy	20	-18.83	444.27	-1.01
			Max. Vx	14	18.71	-2.19	-448.11
L12	141.417 - 136.417	Pole	Max. Torque	19			2.74
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.44	-3.38	-5.46
			Max. Mx	8	-23.83	-540.48	-4.42

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L13	136.417 - 131.417	Pole	Max. My	14	-23.86	-2.55	-542.59
			Max. Vy	20	-19.21	539.24	-0.76
			Max. Vx	14	19.12	-2.55	-542.59
			Max. Torque	19			2.74
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.26	-6.45	-7.01
			Max. Mx	8	-25.42	-638.66	-5.25
			Max. My	14	-25.45	-3.77	-639.92
			Max. Vy	20	-20.00	635.32	-1.10
			Max. Vx	14	19.93	-3.77	-639.92
L14	131.417 - 126.417	Pole	Max. Torque	19			4.81
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.00	-6.92	-7.05
			Max. Mx	8	-26.57	-739.52	-5.51
			Max. My	14	-26.60	-4.06	-740.40
			Max. Vy	20	-20.33	736.03	-1.00
			Max. Vx	14	20.25	-4.06	-740.40
			Max. Torque	19			4.81
			Max Tension	1	0.00	0.00	0.00
			L15	126.417 - 121.417	Pole	Max. Compression	26
Max. Mx	8	-28.79				-842.53	-5.68
Max. My	14	-28.81				-4.39	-843.65
Max. Vy	20	-21.15				839.57	-0.81
Max. Vx	14	21.06				-4.39	-843.65
Max. Torque	19						4.81
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-57.43				-7.48	-6.93
Max. Mx	8	-28.86				-847.74	-5.70
Max. My	14	-28.88				-4.41	-848.92
L16	121.417 - 121.167	Pole	Max. Vy	20	-21.16	844.85	-0.80
			Max. Vx	14	21.08	-4.41	-848.92
			Max. Torque	19			4.75
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.67	-8.49	-7.25
			Max. Mx	8	-30.32	-953.64	-6.08
			Max. My	14	-30.34	-4.96	-955.75
			Max. Vy	20	-21.73	951.99	-0.39
			Max. Vx	14	21.55	-4.96	-955.75
			Max. Torque	7			-5.15
L17	121.167 - 116.167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.01	-11.11	-6.61
			Max. Mx	8	-35.44	-1086.32	-6.21
			Max. My	14	-35.49	-6.25	-1086.84
			Max. Vy	20	-26.40	1084.60	0.46
			Max. Vx	14	25.65	-6.25	-1086.84
			Max. Torque	17			5.59
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.55	-11.30	-6.53
			Max. Mx	8	-35.76	-1115.77	-6.24
L18	116.167 - 111.167	Pole	Max. My	14	-35.81	-6.39	-1115.71
			Max. Vy	20	-26.61	1114.35	0.64
			Max. Vx	14	25.73	-6.39	-1115.71
			Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.69	-11.35	-6.51
			Max. Mx	8	-35.85	-1122.35	-6.25
			Max. My	14	-35.90	-6.42	-1122.14
			Max. Vy	20	-26.65	1120.99	0.68
			Max. Vx	14	25.74	-6.42	-1122.14
L19	111.167 - 110.042	Pole	Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.69	-11.35	-6.51
			Max. Mx	8	-35.85	-1122.35	-6.25
			Max. My	14	-35.90	-6.42	-1122.14
			Max. Vy	20	-26.65	1120.99	0.68
			Max. Vx	14	25.74	-6.42	-1122.14
			Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.69	-11.35	-6.51
L20	110.042 - 109.792	Pole	Max. Mx	8	-35.85	-1122.35	-6.25
			Max. My	14	-35.90	-6.42	-1122.14
			Max. Vy	20	-26.65	1120.99	0.68
			Max. Vx	14	25.74	-6.42	-1122.14
			Max. Torque	17			5.58
			Max. Compression	26	-71.69	-11.35	-6.51
			Max. Mx	8	-35.85	-1122.35	-6.25
			Max. My	14	-35.90	-6.42	-1122.14
			Max. Vy	20	-26.65	1120.99	0.68
			Max. Vx	14	25.74	-6.42	-1122.14

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L21	109.792 - 105.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.42	-12.16	-6.17
			Max. Mx	8	-37.54	-1248.54	-6.42
			Max. My	14	-37.62	-6.98	-1244.17
			Max. Vy	20	-27.55	1248.32	1.43
			Max. Vx	14	26.12	-6.98	-1244.17
L22	105.083 - 104.833	Pole	Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.59	-12.20	-6.15
			Max. Mx	8	-37.66	-1255.37	-6.43
			Max. My	14	-37.74	-7.01	-1250.70
			Max. Vy	20	-27.59	1255.19	1.47
L23	104.833 - 100.917	Pole	Max. Vx	14	26.16	-7.01	-1250.70
			Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.12	-12.88	-5.90
			Max. Mx	20	-40.11	1364.74	2.06
			Max. My	14	-40.20	-7.46	-1354.65
L24	100.917 - 100.667	Pole	Max. Vy	20	-28.47	1364.74	2.06
			Max. Vx	14	26.96	-7.46	-1354.65
			Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.28	-12.95	-5.88
			Max. Mx	20	-40.22	1371.84	2.10
L25	100.667 - 95.833	Pole	Max. My	14	-40.31	-7.49	-1361.38
			Max. Vy	20	-28.51	1371.84	2.10
			Max. Vx	14	26.99	-7.49	-1361.38
			Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.84	-14.17	-5.48
L26	95.833 - 95.583	Pole	Max. Mx	20	-42.12	1510.73	2.88
			Max. My	14	-42.22	-8.10	-1492.90
			Max. Vy	20	-29.10	1510.73	2.88
			Max. Vx	14	27.47	-8.10	-1492.90
			Max. Torque	17			5.58
			Max Tension	1	0.00	0.00	0.00
L27	95.583 - 90.583	Pole	Max. Compression	26	-81.98	-14.23	-5.45
			Max. Mx	20	-42.22	1518.00	2.92
			Max. My	14	-42.32	-8.13	-1499.77
			Max. Vy	20	-29.15	1518.00	2.92
			Max. Vx	14	27.49	-8.13	-1499.77
			Max. Torque	17			5.58
L28	90.583 - 89.917	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.87	-15.50	-5.02
			Max. Mx	20	-44.05	1665.91	3.72
			Max. My	14	-44.17	-8.76	-1638.06
			Max. Vy	20	-30.15	1665.91	3.72
			Max. Vx	14	27.87	-8.76	-1638.06
L29	89.917 - 89.667	Pole	Max. Torque	7			5.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.76	-14.91	-5.84
			Max. Mx	20	-44.47	1686.85	3.53
			Max. My	14	-44.58	-8.39	-1657.35
			Max. Vy	20	-30.54	1686.85	3.53
L29	89.917 - 89.667	Pole	Max. Vx	14	28.20	-8.39	-1657.35
			Max. Torque	7			5.67
			Max Tension	1	0.00	0.00	0.00
L29	89.917 - 89.667	Pole	Max. Compression	26	-85.94	-14.98	-5.82
			Max. Mx	20	-44.59	1694.48	3.57
			Max. My	14	-44.70	-8.42	-1664.40

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L30	89.667 - 84.667	Pole	Max. Vy	20	-30.59	1694.48	3.57
			Max. Vx	14	28.24	-8.42	-1664.40
			Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.16	-16.07	-5.33
L31	84.667 - 80.833	Pole	Max. Mx	20	-47.47	1849.96	4.37
			Max. My	14	-47.59	-8.89	-1807.66
			Max. Vy	20	-31.68	1849.96	4.37
			Max. Vx	14	29.12	-8.89	-1807.66
			Max. Torque	7			-5.67
L32	80.833 - 80.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.47	-16.79	-4.91
			Max. Mx	20	-50.69	1973.13	5.02
			Max. My	14	-50.81	-9.13	-1920.49
			Max. Vy	20	-32.60	1973.13	5.02
L33	80.333 - 80.083	Pole	Max. Vx	14	29.82	-9.13	-1920.49
			Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.98	-16.90	-4.85
			Max. Mx	20	-51.08	1989.44	5.11
L34	80.083 - 75.083	Pole	Max. My	14	-51.20	-9.17	-1935.40
			Max. Vy	20	-32.70	1989.44	5.11
			Max. Vx	14	29.91	-9.17	-1935.40
			Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
L35	75.083 - 70.083	Pole	Max. Compression	26	-95.19	-16.96	-4.83
			Max. Mx	20	-51.22	1997.61	5.15
			Max. My	14	-51.34	-9.20	-1942.87
			Max. Vy	20	-32.75	1997.61	5.15
			Max. Vx	14	29.96	-9.20	-1942.87
L36	70.083 - 69.5	Pole	Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.96	-18.25	-4.34
			Max. Mx	20	-53.76	2163.26	5.94
			Max. My	14	-53.87	-9.77	-2094.70
L37	69.5 - 69.25	Pole	Max. Vy	20	-33.63	2163.26	5.94
			Max. Vx	12	31.00	-1113.28	-1922.26
			Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.28	-19.80	-3.87
L38	69.25 - 64.25	Pole	Max. Mx	20	-56.72	2333.16	6.71
			Max. My	14	-56.83	-10.53	-2250.94
			Max. Vy	20	-34.53	2333.16	6.71
			Max. Vx	12	32.07	-1204.86	-2079.82
			Max. Torque	7			-5.67
L37	69.5 - 69.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.76	-18.18	-4.88
			Max. Mx	20	-57.58	2363.00	6.40
			Max. My	14	-57.69	-9.91	-2278.18
			Max. Vy	20	-35.11	2363.00	6.40
L38	69.25 - 64.25	Pole	Max. Vx	12	32.63	-1219.83	-2107.31
			Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-112.93	-20.27	-4.40

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L39	64.25 - 60.583	Pole	Max. Mx	20	-64.00	2540.90	7.23
			Max. My	14	-64.11	-11.23	-2442.64
			Max. Vy	20	-36.46	2540.90	7.23
			Max. Vx	12	33.91	-1316.94	-2273.56
			Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-119.52	-21.87	-4.01
			Max. Mx	20	-69.22	2675.66	7.87
			Max. My	14	-69.32	-12.24	-2567.23
			Max. Vy	20	-37.47	2675.66	7.87
L40	60.583 - 60.333	Pole	Max. Vx	12	34.86	-1390.55	-2399.53
			Max. Torque	7			-5.67
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-119.79	-21.95	-3.98
			Max. Mx	20	-69.43	2685.00	7.91
			Max. My	14	-69.53	-12.29	-2575.85
			Max. Vy	20	-37.51	2685.00	7.91
			Max. Vx	12	34.91	-1395.62	-2408.25
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
L41	60.333 - 55.333	Pole	Max. Compression	26	-125.19	-23.67	-3.44
			Max. Mx	20	-73.27	2874.32	8.76
			Max. My	14	-73.36	-13.22	-2750.71
			Max. Vy	20	-38.47	2874.32	8.76
			Max. Vx	12	36.02	-1498.67	-2585.45
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-127.40	-24.59	-3.11
			Max. Mx	20	-74.80	2996.27	9.29
			Max. My	14	-74.89	-13.68	-2863.28
L42	55.333 - 52.167	Pole	Max. Vy	20	-38.75	2996.27	9.29
			Max. Vx	12	36.63	-1565.36	-2700.37
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-127.60	-24.66	-3.08
			Max. Mx	20	-74.95	3005.94	9.33
			Max. My	14	-75.04	-13.71	-2872.20
			Max. Vy	20	-38.77	3005.94	9.33
			Max. Vx	12	36.67	-1570.67	-2709.52
			Max. Torque	7			-5.66
L43	52.167 - 51.917	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-132.10	-26.22	-2.51
			Max. Mx	20	-78.11	3201.40	10.24
			Max. My	14	-78.19	-14.50	-3052.64
			Max. Vy	20	-39.61	3201.40	10.24
			Max. Vx	12	37.70	-1678.53	-2895.24
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-137.80	-27.81	-1.48
			Max. Mx	20	-82.13	3401.77	11.54
L44	51.917 - 46.917	Pole	Max. My	14	-82.21	-15.31	-3237.00
			Max. Vy	20	-40.74	3401.77	11.54
			Max. Vx	12	38.77	-1789.44	-3085.82
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.63	-28.33	-1.13
			Max. Mx	20	-83.42	3470.50	11.97
			Max. My	14	-83.51	-15.57	-3300.08
			Max. Vy	20	-41.11	3470.50	11.97
			Max. Vx	12	39.12	-1827.47	-3151.19
L45	46.917 - 41.917	Pole	Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.63	-28.33	-1.13
			Max. Mx	20	-83.42	3470.50	11.97
			Max. My	14	-83.51	-15.57	-3300.08
			Max. Vy	20	-41.11	3470.50	11.97
			Max. Vx	12	39.12	-1827.47	-3151.19
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.63	-28.33	-1.13
L46	41.917 - 40.233	Pole	Max. Mx	20	-83.42	3470.50	11.97
			Max. My	14	-83.51	-15.57	-3300.08
			Max. Vy	20	-41.11	3470.50	11.97
			Max. Vx	12	39.12	-1827.47	-3151.19
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.63	-28.33	-1.13
			Max. Mx	20	-83.42	3470.50	11.97
			Max. My	14	-83.51	-15.57	-3300.08
			Max. Vy	20	-41.11	3470.50	11.97

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L47	40.233 - 39.983	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.89	-28.40	-1.08
			Max. Mx	20	-83.62	3480.76	12.04
			Max. My	14	-83.70	-15.60	-3309.48
			Max. Vy	20	-41.13	3480.76	12.04
			Max. Vx	12	39.15	-1833.13	-3160.94
L48	39.983 - 34.983	Pole	Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-145.04	-29.79	-0.00
			Max. Mx	20	-87.34	3688.44	13.33
			Max. My	14	-87.42	-16.30	-3499.58
			Max. Vy	20	-42.11	3688.44	13.33
L49	34.983 - 29.983	Pole	Max. Vx	12	40.08	-1947.92	-3358.41
			Max. Torque	7			-5.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-149.77	-32.27	0.11
			Max. Mx	20	-90.74	3900.25	14.05
			Max. My	14	-90.80	-17.47	-3694.43
L50	29.983 - 28	Pole	Max. Vy	20	-42.95	3900.25	14.05
			Max. Vx	12	41.05	-2065.95	-3561.25
			Max. Torque	7			-6.22
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-151.32	-32.78	0.28
			Max. Mx	20	-91.82	3985.48	14.36
L51	28 - 27.75	Pole	Max. My	14	-91.88	-17.73	-3772.73
			Max. Vy	20	-43.21	3985.48	14.36
			Max. Vx	12	41.36	-2113.26	-3642.88
			Max. Torque	7			-6.22
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-151.54	-32.84	0.31
L52	27.75 - 22.75	Pole	Max. Mx	20	-92.00	3996.26	14.40
			Max. My	14	-92.06	-17.77	-3782.63
			Max. Vy	20	-43.21	3996.26	14.40
			Max. Vx	12	41.37	-2119.25	-3653.21
			Max. Torque	7			-6.22
			Max Tension	1	0.00	0.00	0.00
L53	22.75 - 20.083	Pole	Max. Compression	26	-157.14	-34.17	0.71
			Max. Mx	20	-96.17	4213.56	15.15
			Max. My	14	-96.22	-18.49	-3982.59
			Max. Vy	20	-43.91	4213.56	15.15
			Max. Vx	12	42.22	-2240.36	-3862.10
			Max. Torque	7			-6.22
L54	20.083 - 19.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-160.39	-34.94	0.94
			Max. Mx	20	-98.63	4341.89	15.59
			Max. My	14	-98.67	-18.91	-4100.83
			Max. Vy	20	-44.28	4341.89	15.59
			Max. Vx	12	42.68	-2312.12	-3985.88
L55	19.833 - 17	Pole	Max. Torque	7			-6.22
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-163.35	-35.72	1.11
			Max. Mx	20	-100.81	4467.58	16.01
			Max. My	14	-100.85	-19.32	-4216.72
			Max. Vy	20	-44.66	4467.58	16.01
			Max. Vx	12	43.14	-2382.56	-4107.38
			Max. Torque	7			-6.22

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L56	17 - 16.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-163.63	-35.79	1.13
			Max. Mx	20	-101.04	4478.72	16.04
			Max. My	14	-101.08	-19.35	-4227.00
			Max. Vy	20	-44.67	4478.72	16.04
			Max. Vx	12	43.16	-2388.81	-4118.16
			Max. Torque	7			-6.22
L57	16.75 - 11.65	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-169.11	-37.20	1.44
			Max. Mx	20	-105.32	4707.69	16.81
			Max. My	14	-105.35	-20.07	-4438.27
			Max. Vy	20	-45.32	4707.69	16.81
			Max. Vx	12	43.93	-2517.47	-4340.14
			Max. Torque	7			-6.22
L58	11.65 - 11.417	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-169.31	-37.26	1.45
			Max. Mx	20	-105.49	4718.23	16.84
			Max. My	14	-105.52	-20.10	-4448.00
			Max. Vy	20	-45.33	4718.23	16.84
			Max. Vx	12	43.95	-2523.40	-4350.37
			Max. Torque	7			-6.22
L59	11.417 - 9.396	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-171.09	-37.78	1.62
			Max. Mx	20	-106.87	4809.90	17.16
			Max. My	14	-106.89	-20.37	-4532.58
			Max. Vy	20	-45.57	4809.90	17.16
			Max. Vx	12	44.25	-2575.01	-4439.44
			Max. Torque	7			-6.22
L60	9.396 - 9.146	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-171.31	-37.84	1.64
			Max. Mx	20	-107.05	4821.27	17.19
			Max. My	14	-107.07	-20.40	-4543.07
			Max. Vy	20	-45.58	4821.27	17.19
			Max. Vx	12	44.27	-2581.41	-4450.49
			Max. Torque	7			-6.22
L61	9.146 - 4.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-175.18	-38.92	2.02
			Max. Mx	20	-110.09	5018.57	17.86
			Max. My	14	-110.11	-20.96	-4725.25
			Max. Vy	20	-46.08	5018.57	17.86
			Max. Vx	12	44.88	-2692.74	-4642.63
			Max. Torque	7			-6.22
L62	4.833 - 4.583	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-175.40	-38.99	2.04
			Max. Mx	20	-110.27	5030.07	17.90
			Max. My	14	-110.28	-20.99	-4735.88
			Max. Vy	20	-46.09	5030.07	17.90
			Max. Vx	12	44.90	-2699.23	-4653.84
			Max. Torque	7			-6.22
L63	4.583 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-178.76	-39.17	2.04
			Max. Mx	20	-113.15	5242.34	18.50
			Max. My	14	-113.15	-21.28	-4931.93
			Max. Vy	20	-46.59	5242.34	18.50
			Max. Vx	12	45.32	-2818.63	-4860.54
			Max. Torque	7			-6.22

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	178.76	-0.00	-0.00
	Max. H _x	20	113.16	46.56	0.14
	Max. H _z	24	113.16	26.03	44.88
	Max. M _x	2	4887.62	0.21	42.72
	Max. M _z	8	5213.10	-45.66	-0.04
	Max. Torsion	19	5.99	36.61	-20.93
	Min. Vert	17	84.87	20.93	-36.33
	Min. H _x	8	113.16	-45.66	-0.04
	Min. H _z	12	113.16	-26.16	-45.29
	Min. M _x	14	-4931.93	-0.05	-43.02
	Min. M _z	20	-5242.34	46.56	0.14
	Min. Torsion	7	-6.22	-36.27	20.91

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overtuning Moment, M _x kip-ft	Overtuning Moment, M _z kip-ft	Torque kip-ft
Dead Only	94.30	0.00	0.00	1.13	-9.48	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	113.16	-0.21	-42.72	-4887.62	17.06	3.16
0.9 Dead+1.0 Wind 0 deg - No Ice	84.87	-0.21	-42.72	-4835.13	19.78	3.17
1.2 Dead+1.0 Wind 30 deg - No Ice	113.16	20.93	-36.29	-4258.65	-2465.06	5.28
0.9 Dead+1.0 Wind 30 deg - No Ice	84.87	20.93	-36.29	-4212.90	-2435.47	5.29
1.2 Dead+1.0 Wind 60 deg - No Ice	113.16	36.27	-20.91	-2455.16	-4274.00	6.20
0.9 Dead+1.0 Wind 60 deg - No Ice	84.87	36.27	-20.91	-2428.95	-4224.80	6.22
1.2 Dead+1.0 Wind 90 deg - No Ice	113.16	45.66	0.04	8.83	-5213.10	4.04
0.9 Dead+1.0 Wind 90 deg - No Ice	84.87	45.66	0.04	8.31	-5154.77	4.06
1.2 Dead+1.0 Wind 120 deg - No Ice	113.16	45.41	26.25	2805.58	-4856.71	-3.19
0.9 Dead+1.0 Wind 120 deg - No Ice	84.87	45.41	26.25	2776.19	-4803.68	-3.19
1.2 Dead+1.0 Wind 150 deg - No Ice	113.16	26.16	45.29	4860.54	-2818.63	-5.37
0.9 Dead+1.0 Wind 150 deg - No Ice	84.87	26.16	45.29	4809.87	-2786.58	-5.37
1.2 Dead+1.0 Wind 180 deg - No Ice	113.16	0.05	43.02	4931.93	-21.28	-3.39
0.9 Dead+1.0 Wind 180 deg - No Ice	84.87	0.05	43.02	4878.22	-18.13	-3.40
1.2 Dead+1.0 Wind 210 deg - No Ice	113.16	-20.93	36.33	4180.34	2393.30	-5.30
0.9 Dead+1.0 Wind 210 deg - No Ice	84.87	-20.93	36.33	4134.52	2370.22	-5.31
1.2 Dead+1.0 Wind 240 deg - No Ice	113.16	-36.61	20.93	2400.64	4189.06	-5.97
0.9 Dead+1.0 Wind 240 deg - No Ice	84.87	-36.61	20.93	2374.18	4146.55	-5.99
1.2 Dead+1.0 Wind 270 deg - No Ice	113.16	-46.56	-0.14	-18.50	5242.34	-3.69
0.9 Dead+1.0 Wind 270 deg - No Ice	84.87	-46.56	-0.14	-18.69	5189.63	-3.70
1.2 Dead+1.0 Wind 300 deg - No Ice	113.16	-45.66	-26.39	-2822.34	4867.63	3.18
0.9 Dead+1.0 Wind 300 deg - No Ice	84.87	-45.66	-26.39	-2793.59	4820.32	3.18
1.2 Dead+1.0 Wind 330 deg - No Ice	113.16	-26.03	-44.88	-4812.07	2783.34	5.02

Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, M _x	Overturning Moment, M _z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 330 deg - No Ice	84.87	-26.03	-44.88	-4762.63	2757.44	5.02
1.2 Dead+1.0 Ice+1.0 Temp	178.76	0.00	0.00	-2.04	-39.17	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	178.76	-0.07	-11.72	-1546.85	-30.80	0.92
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	178.76	5.72	-9.96	-1324.78	-798.22	1.74
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	178.76	9.93	-5.74	-764.97	-1357.65	2.13
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	178.76	12.29	0.00	-1.03	-1629.46	1.55
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	178.76	11.84	6.86	837.03	-1485.69	-0.29
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	178.76	6.78	11.78	1445.80	-872.47	-1.16
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	178.76	0.01	11.71	1541.29	-41.08	-1.02
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	178.76	-5.72	9.96	1319.46	718.99	-1.74
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	178.76	-10.01	5.72	756.28	1284.10	-2.03
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	178.76	-12.35	-0.05	-7.96	1554.45	-1.36
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	178.76	-11.85	-6.87	-842.28	1408.15	0.32
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	178.76	-6.81	-11.75	-1447.33	797.20	1.01
Dead+Wind 0 deg - Service	94.30	-0.05	-10.41	-1181.70	-2.75	0.77
Dead+Wind 30 deg - Service	94.30	5.10	-8.84	-1029.52	-603.29	1.30
Dead+Wind 60 deg - Service	94.30	8.84	-5.09	-593.17	-1040.95	1.53
Dead+Wind 90 deg - Service	94.30	11.12	0.01	2.97	-1268.32	1.00
Dead+Wind 120 deg - Service	94.30	11.06	6.40	679.85	-1182.31	-0.77
Dead+Wind 150 deg - Service	94.30	6.37	11.03	1177.19	-689.04	-1.30
Dead+Wind 180 deg - Service	94.30	0.01	10.48	1194.12	-12.02	-0.83
Dead+Wind 210 deg - Service	94.30	-5.10	8.85	1012.23	572.16	-1.30
Dead+Wind 240 deg - Service	94.30	-8.92	5.10	581.66	1006.64	-1.47
Dead+Wind 270 deg - Service	94.30	-11.34	-0.03	-3.63	1261.67	-0.92
Dead+Wind 300 deg - Service	94.30	-11.12	-6.43	-682.23	1171.21	0.76
Dead+Wind 330 deg - Service	94.30	-6.34	-10.93	-1163.77	666.75	1.22

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	0.00	-94.30	0.00	-0.00	94.30	-0.00	0.000%
2	-0.21	-113.16	-42.72	0.21	113.16	42.72	0.000%
3	-0.21	-84.87	-42.72	0.21	84.87	42.72	0.000%
4	20.93	-113.16	-36.29	-20.93	113.16	36.29	0.000%
5	20.93	-84.87	-36.29	-20.93	84.87	36.29	0.000%
6	36.27	-113.16	-20.91	-36.27	113.16	20.91	0.000%
7	36.27	-84.87	-20.91	-36.27	84.87	20.91	0.000%
8	45.66	-113.16	0.04	-45.66	113.16	-0.04	0.000%
9	45.66	-84.87	0.04	-45.66	84.87	-0.04	0.000%
10	45.41	-113.16	26.25	-45.41	113.16	-26.25	0.000%
11	45.41	-84.87	26.25	-45.41	84.87	-26.25	0.000%
12	26.16	-113.16	45.29	-26.16	113.16	-45.29	0.000%
13	26.16	-84.87	45.29	-26.16	84.87	-45.29	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
14	0.05	-113.16	43.02	-0.05	113.16	-43.02	0.000%
15	0.05	-84.87	43.02	-0.05	84.87	-43.02	0.000%
16	-20.93	-113.16	36.33	20.93	113.16	-36.33	0.000%
17	-20.93	-84.87	36.33	20.93	84.87	-36.33	0.000%
18	-36.61	-113.16	20.93	36.61	113.16	-20.93	0.000%
19	-36.61	-84.87	20.93	36.61	84.87	-20.93	0.000%
20	-46.56	-113.16	-0.14	46.56	113.16	0.14	0.000%
21	-46.56	-84.87	-0.14	46.56	84.87	0.14	0.000%
22	-45.66	-113.16	-26.39	45.66	113.16	26.39	0.000%
23	-45.66	-84.87	-26.39	45.66	84.87	26.39	0.000%
24	-26.03	-113.16	-44.88	26.03	113.16	44.88	0.000%
25	-26.03	-84.87	-44.88	26.03	84.87	44.88	0.000%
26	0.00	-178.76	0.00	-0.00	178.76	-0.00	0.000%
27	-0.07	-178.76	-11.72	0.07	178.76	11.72	0.000%
28	5.72	-178.76	-9.96	-5.72	178.76	9.96	0.000%
29	9.93	-178.76	-5.74	-9.93	178.76	5.74	0.000%
30	12.29	-178.76	0.00	-12.29	178.76	-0.00	0.000%
31	11.84	-178.76	6.86	-11.84	178.76	-6.86	0.000%
32	6.78	-178.76	11.78	-6.78	178.76	-11.78	0.000%
33	0.01	-178.76	11.71	-0.01	178.76	-11.71	0.000%
34	-5.72	-178.76	9.96	5.72	178.76	-9.96	0.000%
35	-10.01	-178.76	5.72	10.01	178.76	-5.72	0.000%
36	-12.35	-178.76	-0.05	12.35	178.76	0.05	0.000%
37	-11.85	-178.76	-6.87	11.85	178.76	6.87	0.000%
38	-6.81	-178.76	-11.75	6.81	178.76	11.75	0.000%
39	-0.05	-94.30	-10.41	0.05	94.30	10.41	0.000%
40	5.10	-94.30	-8.84	-5.10	94.30	8.84	0.000%
41	8.84	-94.30	-5.09	-8.84	94.30	5.09	0.000%
42	11.12	-94.30	0.01	-11.12	94.30	-0.01	0.000%
43	11.06	-94.30	6.40	-11.06	94.30	-6.40	0.000%
44	6.37	-94.30	11.03	-6.37	94.30	-11.03	0.000%
45	0.01	-94.30	10.48	-0.01	94.30	-10.48	0.000%
46	-5.10	-94.30	8.85	5.10	94.30	-8.85	0.000%
47	-8.92	-94.30	5.10	8.92	94.30	-5.10	0.000%
48	-11.34	-94.30	-0.03	11.34	94.30	0.03	0.000%
49	-11.12	-94.30	-6.43	11.12	94.30	6.43	0.000%
50	-6.34	-94.30	-10.93	6.34	94.30	10.93	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000922
2	Yes	5	0.00000001	0.00079782
3	Yes	5	0.00000001	0.00039848
4	Yes	6	0.00000001	0.00042929
5	Yes	6	0.00000001	0.00015978
6	Yes	6	0.00000001	0.00035933
7	Yes	6	0.00000001	0.00013192
8	Yes	5	0.00000001	0.00099283
9	Yes	5	0.00000001	0.00050106
10	Yes	6	0.00000001	0.00045873
11	Yes	6	0.00000001	0.00016572
12	Yes	6	0.00000001	0.00049294
13	Yes	6	0.00000001	0.00017883
14	Yes	5	0.00000001	0.00096285
15	Yes	5	0.00000001	0.00048509
16	Yes	6	0.00000001	0.00034369
17	Yes	6	0.00000001	0.00012669
18	Yes	6	0.00000001	0.00041434
19	Yes	6	0.00000001	0.00015484
20	Yes	5	0.00000001	0.00083390
21	Yes	5	0.00000001	0.00041678
22	Yes	6	0.00000001	0.00047001
23	Yes	6	0.00000001	0.00017046
24	Yes	6	0.00000001	0.00043719
25	Yes	6	0.00000001	0.00015831
26	Yes	5	0.00000001	0.00022228
27	Yes	6	0.00000001	0.00092010
28	Yes	7	0.00000001	0.00011765
29	Yes	7	0.00000001	0.00011736
30	Yes	6	0.00000001	0.00096266
31	Yes	7	0.00000001	0.00012522
32	Yes	7	0.00000001	0.00012532
33	Yes	6	0.00000001	0.00093736
34	Yes	6	0.00000001	0.00099175
35	Yes	6	0.00000001	0.00099176
36	Yes	6	0.00000001	0.00091577
37	Yes	7	0.00000001	0.00011821
38	Yes	7	0.00000001	0.00011846
39	Yes	5	0.00000001	0.00006872
40	Yes	5	0.00000001	0.00015308
41	Yes	5	0.00000001	0.00012101
42	Yes	5	0.00000001	0.00007562
43	Yes	5	0.00000001	0.00014725
44	Yes	5	0.00000001	0.00016774
45	Yes	5	0.00000001	0.00007223
46	Yes	5	0.00000001	0.00011494
47	Yes	5	0.00000001	0.00014946
48	Yes	5	0.00000001	0.00007210
49	Yes	5	0.00000001	0.00014828
50	Yes	5	0.00000001	0.00013538

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	191.667 - 186.667	21.804	44	1.0463	0.0065
L2	186.667 - 181.567	20.709	44	1.0449	0.0061
L3	181.567 - 176.567	19.594	44	1.0437	0.0059

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L4	176.567 - 171.567	18.502	44	1.0404	0.0058
L5	171.567 - 166.567	17.416	44	1.0330	0.0056
L6	166.567 - 161.567	16.341	44	1.0201	0.0055
L7	161.567 - 156.567	15.283	44	0.9999	0.0054
L8	156.567 - 151.567	14.250	44	0.9708	0.0050
L9	151.567 - 146.567	13.254	44	0.9297	0.0045
L10	146.567 - 141.567	12.308	44	0.8745	0.0039
L11	141.567 - 141.417	11.428	44	0.8028	0.0033
L12	141.417 - 136.417	11.403	44	0.8004	0.0033
L13	136.417 - 131.417	10.578	44	0.7745	0.0031
L14	131.417 - 126.417	9.783	44	0.7435	0.0029
L15	126.417 - 121.417	9.023	44	0.7073	0.0026
L16	121.417 - 121.167	8.303	44	0.6658	0.0022
L17	121.167 - 116.167	8.269	44	0.6636	0.0022
L18	116.167 - 111.167	7.589	44	0.6339	0.0020
L19	111.167 - 110.042	6.942	44	0.6003	0.0018
L20	110.042 - 109.792	6.802	44	0.5921	0.0017
L21	109.792 - 105.083	6.771	44	0.5907	0.0017
L22	105.083 - 104.833	6.202	44	0.5621	0.0016
L23	104.833 - 100.917	6.173	44	0.5608	0.0015
L24	100.917 - 100.667	5.722	44	0.5379	0.0014
L25	100.667 - 95.833	5.694	44	0.5364	0.0014
L26	95.833 - 95.583	5.166	44	0.5057	0.0013
L27	95.583 - 90.583	5.140	44	0.5044	0.0013
L28	90.583 - 89.917	4.626	44	0.4764	0.0011
L29	89.917 - 89.667	4.560	44	0.4725	0.0011
L30	89.667 - 84.667	4.535	44	0.4713	0.0011
L31	84.667 - 80.833	4.055	44	0.4454	0.0010
L32	80.833 - 80.333	3.706	44	0.4239	0.0009
L33	80.333 - 80.083	3.662	44	0.4218	0.0009
L34	80.083 - 75.083	3.640	44	0.4206	0.0009
L35	75.083 - 70.083	3.212	44	0.3955	0.0008
L36	70.083 - 69.5	2.812	44	0.3683	0.0008
L37	69.5 - 69.25	2.767	44	0.3650	0.0007
L38	69.25 - 64.25	2.748	44	0.3638	0.0007
L39	64.25 - 60.583	2.380	44	0.3390	0.0007
L40	60.583 - 60.333	2.127	44	0.3195	0.0006
L41	60.333 - 55.333	2.111	44	0.3184	0.0006
L42	55.333 - 52.167	1.789	44	0.2949	0.0006
L43	52.167 - 51.917	1.599	44	0.2791	0.0005
L44	51.917 - 46.917	1.584	44	0.2781	0.0005
L45	46.917 - 41.917	1.305	44	0.2563	0.0005
L46	41.917 - 40.233	1.048	44	0.2331	0.0004
L47	40.233 - 39.983	0.967	44	0.2246	0.0004
L48	39.983 - 34.983	0.956	44	0.2234	0.0004
L49	34.983 - 29.983	0.735	44	0.1970	0.0003
L50	29.983 - 28	0.544	44	0.1691	0.0003
L51	28 - 27.75	0.476	44	0.1576	0.0003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L52	27.75 - 22.75	0.468	44	0.1563	0.0003
L53	22.75 - 20.083	0.317	44	0.1311	0.0002
L54	20.083 - 19.833	0.248	44	0.1170	0.0002
L55	19.833 - 17	0.242	44	0.1155	0.0002
L56	17 - 16.75	0.178	44	0.0977	0.0002
L57	16.75 - 11.65	0.173	44	0.0963	0.0002
L58	11.65 - 11.417	0.085	44	0.0682	0.0001
L59	11.417 - 9.396	0.082	44	0.0669	0.0001
L60	9.396 - 9.146	0.056	44	0.0553	0.0001
L61	9.146 - 4.833	0.053	44	0.0539	0.0001
L62	4.833 - 4.583	0.015	44	0.0299	0.0000
L63	4.583 - 0	0.014	44	0.0284	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
192.00	OGB4-900D	44	21.804	1.0463	0.0065	213132
191.67	Lightning Rod 5/8" x 4' on 4' Pole	44	21.804	1.0463	0.0065	213132
191.00	DB589-A	44	21.658	1.0461	0.0064	213132
181.00	AIR -32 B2A/B66AA w/ Mount Pipe	44	19.470	1.0435	0.0059	130344
178.00	4' ICE SHIELDS	44	18.815	1.0417	0.0058	69079
171.00	MX08FRO665-21 w/ Mount Pipe	44	17.294	1.0318	0.0056	27055
160.00	(2) NNHH-65B-R4 w/ Mount Pipe	44	14.956	0.9919	0.0053	10469
158.00	SRL-224NM-4	44	14.543	0.9802	0.0052	9024
151.00	SBNH-1D6565C w/ Mount Pipe	44	13.144	0.9242	0.0044	5807
150.00	RRUS 11	44	12.951	0.9140	0.0043	5477
138.00	4' ICE SHIELDS	44	10.836	0.7773	0.0031	9642
132.00	SRL-235-2	44	9.874	0.7479	0.0029	8701
124.00	PCS 1900 TMA RX	44	8.670	0.6881	0.0024	7192
120.00	VHLP2-18	44	8.107	0.6546	0.0022	8549
116.00	844G65VTZAS w/ Mount Pipe	44	7.567	0.6330	0.0020	9035
98.00	4' ICE SHIELDS	44	5.399	0.5190	0.0013	9300
90.00	KP2F-34	44	4.568	0.4730	0.0011	10569
70.00	SRL-235-2	44	2.806	0.3678	0.0008	10872
33.00	DB909XVTE-M	44	0.656	0.1864	0.0003	10315

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	191.667 - 186.667	89.680	12	4.2991	0.0265
L2	186.667 - 181.567	85.187	12	4.2951	0.0251
L3	181.567 - 176.567	80.608	12	4.2909	0.0244
L4	176.567 - 171.567	76.128	12	4.2782	0.0238
L5	171.567 - 166.567	71.669	12	4.2481	0.0231
L6	166.567 - 161.567	67.253	12	4.1951	0.0226
L7	161.567 - 156.567	62.907	12	4.1119	0.0221
L8	156.567 - 151.567	58.666	12	3.9927	0.0207
L9	151.567 - 146.567	54.574	12	3.8245	0.0185

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L10	146.567 - 141.567	50.686	12	3.5992	0.0160
L11	141.567 - 141.417	47.069	12	3.3053	0.0134
L12	141.417 - 136.417	46.965	12	3.2954	0.0134
L13	136.417 - 131.417	43.571	12	3.1889	0.0126
L14	131.417 - 126.417	40.300	12	3.0618	0.0118
L15	126.417 - 121.417	37.172	12	2.9132	0.0105
L16	121.417 - 121.167	34.211	12	2.7426	0.0092
L17	121.167 - 116.167	34.067	12	2.7335	0.0091
L18	116.167 - 111.167	31.269	12	2.6117	0.0082
L19	111.167 - 110.042	28.607	12	2.4734	0.0073
L20	110.042 - 109.792	28.028	12	2.4398	0.0071
L21	109.792 - 105.083	27.901	12	2.4340	0.0071
L22	105.083 - 104.833	25.558	12	2.3167	0.0064
L23	104.833 - 100.917	25.437	12	2.3109	0.0063
L24	100.917 - 100.667	23.581	12	2.2169	0.0058
L25	100.667 - 95.833	23.465	12	2.2107	0.0058
L26	95.833 - 95.583	21.291	12	2.0843	0.0052
L27	95.583 - 90.583	21.182	12	2.0788	0.0052
L28	90.583 - 89.917	19.065	12	1.9638	0.0047
L29	89.917 - 89.667	18.792	12	1.9476	0.0046
L30	89.667 - 84.667	18.690	12	1.9426	0.0046
L31	84.667 - 80.833	16.712	12	1.8358	0.0042
L32	80.833 - 80.333	15.273	12	1.7473	0.0038
L33	80.333 - 80.083	15.091	12	1.7386	0.0038
L34	80.083 - 75.083	15.000	12	1.7336	0.0038
L35	75.083 - 70.083	13.239	22	1.6302	0.0034
L36	70.083 - 69.5	11.592	22	1.5181	0.0031
L37	69.5 - 69.25	11.407	22	1.5044	0.0030
L38	69.25 - 64.25	11.329	22	1.4995	0.0030
L39	64.25 - 60.583	9.812	22	1.3971	0.0027
L40	60.583 - 60.333	8.770	22	1.3170	0.0025
L41	60.333 - 55.333	8.701	22	1.3124	0.0025
L42	55.333 - 52.167	7.378	22	1.2155	0.0022
L43	52.167 - 51.917	6.593	22	1.1506	0.0021
L44	51.917 - 46.917	6.533	22	1.1463	0.0021
L45	46.917 - 41.917	5.379	22	1.0568	0.0019
L46	41.917 - 40.233	4.322	22	0.9612	0.0017
L47	40.233 - 39.983	3.989	22	0.9263	0.0016
L48	39.983 - 34.983	3.941	22	0.9210	0.0016
L49	34.983 - 29.983	3.033	22	0.8125	0.0014
L50	29.983 - 28	2.242	22	0.6974	0.0012
L51	28 - 27.75	1.962	22	0.6498	0.0011
L52	27.75 - 22.75	1.928	22	0.6447	0.0011
L53	22.75 - 20.083	1.307	22	0.5405	0.0009
L54	20.083 - 19.833	1.021	22	0.4825	0.0008
L55	19.833 - 17	0.996	22	0.4762	0.0008
L56	17 - 16.75	0.735	22	0.4028	0.0006
L57	16.75 - 11.65	0.714	22	0.3971	0.0006
L58	11.65 - 11.417	0.352	22	0.2812	0.0004
L59	11.417 - 9.396	0.338	22	0.2758	0.0004
L60	9.396 - 9.146	0.231	22	0.2281	0.0003
L61	9.146 - 4.833	0.219	22	0.2224	0.0003
L62	4.833 - 4.583	0.063	22	0.1234	0.0002
L63	4.583 - 0	0.057	22	0.1172	0.0002

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
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Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
192.00	OGB4-900D	12	89.680	4.2991	0.0265	67676
191.67	Lightning Rod 5/8" x 4' on 4' Pole	12	89.680	4.2991	0.0265	67676
191.00	DB589-A	12	89.080	4.2986	0.0263	67676
181.00	AIR -32 B2A/B66AA w/ Mount Pipe	12	80.100	4.2901	0.0244	34789
178.00	4' ICE SHIELDS	12	77.410	4.2833	0.0240	17635
171.00	MX08FRO665-21 w/ Mount Pipe	12	71.166	4.2433	0.0231	6701
160.00	(2) NNHH-65B-R4 w/ Mount Pipe	12	61.565	4.0789	0.0218	2580
158.00	SRL-224NM-4	12	59.868	4.0313	0.0212	2231
151.00	SBNH-1D6565C w/ Mount Pipe	12	54.122	3.8020	0.0182	1434
150.00	RRUS 11	12	53.331	3.7605	0.0177	1352
138.00	4' ICE SHIELDS	12	44.633	3.2004	0.0126	2364
132.00	SRL-235-2	12	40.674	3.0799	0.0119	2133
124.00	PCS 1900 TMA RX	12	35.718	2.8343	0.0098	1761
120.00	VHLP2-18	12	33.403	2.6968	0.0088	2091
116.00	844G65VTZAS w/ Mount Pipe	12	31.178	2.6080	0.0082	2209
98.00	4' ICE SHIELDS	12	22.250	2.1389	0.0055	2266
90.00	KP2F-34	12	18.826	1.9495	0.0046	2573
70.00	SRL-235-2	22	11.565	1.5160	0.0031	2641
33.00	DB909XVTE-M	22	2.705	0.7685	0.0013	2502

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L1	191.667 - 186.667 (1)	P18x0.375	5.00	0.00	0.0	20.764 0	-0.72	784.88	0.001
L2	186.667 - 181.567 (2)	P24x0.375	5.10	0.00	0.0	27.832 5	-1.35	1052.07	0.001
L3	181.567 - 176.567 (3)	P24x0.375	5.00	0.00	0.0	27.832 5	-6.52	1052.07	0.006
L4	176.567 - 171.567 (4)	P24x0.375	5.00	0.00	0.0	27.832 5	-7.17	1052.07	0.007
L5	171.567 - 166.567 (5)	P24x0.375	5.00	0.00	0.0	27.832 5	-10.86	1052.07	0.010
L6	166.567 - 161.567 (6)	P24x0.375	5.00	0.00	0.0	27.832 5	-11.53	1052.07	0.011
L7	161.567 - 156.567 (7)	P24x0.375	5.00	0.00	0.0	27.832 5	-15.98	1052.07	0.015
L8	156.567 - 151.567 (8)	P24x0.375	5.00	0.00	0.0	27.832 5	-16.74	1052.07	0.016
L9	151.567 - 146.567 (9)	P24x0.375	5.00	0.00	0.0	27.832 5	-21.77	1052.07	0.021
L10	146.567 - 141.567 (10)	P24x0.375	5.00	0.00	0.0	27.832 5	-22.64	1052.07	0.022
L11	141.567 - 141.417 (11)	P24x0.375	0.15	0.00	0.0	27.832 5	-22.67	1052.07	0.022
L12	141.417 - 136.417 (12)	P36x0.375	5.00	0.00	0.0	41.969 7	-23.79	1490.10	0.016
L13	136.417 - 131.417 (13)	P36x0.375	5.00	0.00	0.0	41.969 7	-25.38	1490.10	0.017

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L14	131.417 - 126.417 (14)	P36x0.375	5.00	0.00	0.0	41.969 7	-26.53	1490.10	0.018
L15	126.417 - 121.417 (15)	P36x0.375	5.00	0.00	0.0	41.969 7	-28.73	1490.10	0.019
L16	121.417 - 121.167 (16)	P36x0.375	0.25	0.00	0.0	41.969 7	-28.81	1490.10	0.019
L17	121.167 - 116.167 (17)	P42x0.375	5.00	0.00	0.0	49.038 3	-30.26	1668.87	0.018
L18	116.167 - 111.167 (18)	P42x0.375	5.00	0.00	0.0	49.038 3	-35.37	1668.87	0.021
L19	111.167 - 110.042 (19)	P42x0.375	1.13	0.00	0.0	49.038 3	-35.69	1668.87	0.021
L20	110.042 - 109.792 (20)	P42x0.4875	0.25	0.00	0.0	63.577 5	-35.78	2332.13	0.015
L21	109.792 - 105.083 (21)	P42x0.4875	4.71	0.00	0.0	63.577 5	-37.47	2332.13	0.016
L22	105.083 - 104.833 (22)	P42x0.5625	0.25	0.00	0.0	73.226 1	-37.58	2767.95	0.014
L23	104.833 - 100.917 (23)	P42x0.5625	3.92	0.00	0.0	73.226 1	-40.04	2767.95	0.014
L24	100.917 - 100.667 (24)	P48x0.375	0.25	0.00	0.0	56.106 9	-40.15	1847.49	0.022
L25	100.667 - 95.833 (25)	P48x0.375	4.83	0.00	0.0	56.106 9	-42.03	1847.49	0.023
L26	95.833 - 95.583 (26)	P48x0.475	0.25	0.00	0.0	70.919 5	-42.13	2481.39	0.017
L27	95.583 - 90.583 (27)	P48x0.475	5.00	0.00	0.0	70.919 5	-43.96	2481.39	0.018
L28	90.583 - 89.917 (28)	P48x0.475	0.67	0.00	0.0	70.919 5	-44.38	2481.39	0.018
L29	89.917 - 89.667 (29)	P48x0.575	0.25	0.00	0.0	85.669 3	-44.49	3174.02	0.014
L30	89.667 - 84.667 (30)	P48x0.575	5.00	0.00	0.0	85.669 3	-47.37	3174.02	0.015
L31	84.667 - 80.833 (31)	P48x0.575	3.83	0.00	0.0	85.669 3	-50.59	3174.02	0.016
L32	80.833 - 80.333 (32)	P54x0.55	0.50	0.00	0.0	92.355 0	-50.98	3257.83	0.016
L33	80.333 - 80.083 (33)	P54x0.4875	0.25	0.00	0.0	81.955 8	-51.12	2797.17	0.018
L34	80.083 - 75.083 (34)	P54x0.4875	5.00	0.00	0.0	81.955 8	-53.65	2797.17	0.019
L35	75.083 - 70.083 (35)	P54x0.4875	5.00	0.00	0.0	81.955 8	-56.61	2797.17	0.020
L36	70.083 - 69.5 (36)	P54x0.4875	0.58	0.00	0.0	81.955 8	-57.28	2797.17	0.020
L37	69.5 - 69.25 (37)	P54x0.5875	0.25	0.00	0.0	98.582 7	-57.47	3545.23	0.016
L38	69.25 - 64.25 (38)	P54x0.5875	5.00	0.00	0.0	98.582 7	-63.89	3545.23	0.018
L39	64.25 - 60.583 (39)	P54x0.5875	3.67	0.00	0.0	98.582 7	-69.11	3545.23	0.019
L40	60.583 - 60.333 (40)	P60x0.5125	0.25	0.00	0.0	95.778 8	-69.32	3222.89	0.022
L41	60.333 - 55.333 (41)	P60x0.5125	5.00	0.00	0.0	95.778 8	-73.16	3222.89	0.023
L42	55.333 - 52.167 (42)	P60x0.5125	3.17	0.00	0.0	95.778 8	-74.69	3222.89	0.023
L43	52.167 - 51.917 (43)	P60x0.625	0.25	0.00	0.0	116.58 30	-74.84	4139.15	0.018
L44	51.917 - 46.917 (44)	P60x0.625	5.00	0.00	0.0	116.58 30	-77.99	4139.15	0.019
L45	46.917 - 41.917 (45)	P60x0.625	5.00	0.00	0.0	116.58 30	-82.02	4139.15	0.020
L46	41.917 - 40.233 (46)	P60x0.6	1.68	0.00	0.0	111.96 60	-83.32	3929.11	0.021
L47	40.233 - 39.983 (47)	P60x0.6	0.25	0.00	0.0	111.96 60	-83.52	3929.11	0.021

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L48	39.983 - 34.983 (48)	P60x0.6	5.00	0.00	0.0	111.96 60	-87.25	3929.11	0.022
L49	34.983 - 29.983 (49)	P60x0.6	5.00	0.00	0.0	111.96 60	-90.65	3929.11	0.023
L50	29.983 - 28 (50)	P60x0.6	1.98	0.00	0.0	111.96 60	-91.74	3929.11	0.023
L51	28 - 27.75 (51)	P60x0.725	0.25	0.00	0.0	135.00 80	-91.92	5015.91	0.018
L52	27.75 - 22.75 (52)	P60x0.725	5.00	0.00	0.0	135.00 80	-96.10	5015.91	0.019
L53	22.75 - 20.083 (53)	P60x0.725	2.67	0.00	0.0	135.00 80	-98.36	5015.91	0.020
L54	20.083 - 19.833 (54)	P60x0.625	0.25	0.00	0.0	116.58 30	-98.56	4139.15	0.024
L55	19.833 - 17 (55)	P60x0.625	2.83	0.00	0.0	116.58 30	-100.75	4139.15	0.024
L56	17 - 16.75 (56)	P60x0.725	0.25	0.00	0.0	135.00 80	-100.98	5015.91	0.020
L57	16.75 - 11.65 (57)	P60x0.75	5.10	0.00	0.0	139.60 50	-105.28	5244.23	0.020
L58	11.65 - 11.417 (58)	P60x0.75	0.23	0.00	0.0	139.60 50	-105.45	5244.23	0.020
L59	11.417 - 9.396 (59)	P60x0.75	2.02	0.00	0.0	139.60 50	-106.83	5244.23	0.020
L60	9.396 - 9.146 (60)	P60x0.8	0.25	0.00	0.0	148.78 60	-107.01	5624.10	0.019
L61	9.146 - 4.833 (61)	P60x0.8	4.31	0.00	0.0	148.78 60	-110.07	5624.10	0.020
L62	4.833 - 4.583 (62)	P60x0.75	0.25	0.00	0.0	139.60 50	-110.25	5244.23	0.021
L63	4.583 - 0 (63)	P60x0.75	4.58	0.00	0.0	139.60 50	-113.15	5244.23	0.022

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio M _{ux} / φM _{nx}	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio M _{uy} / φM _{ny}
L1	191.667 - 186.667 (1)	P18x0.375	3.78	367.00	0.010	0.00	367.00	0.000
L2	186.667 - 181.567 (2)	P24x0.375	7.83	623.72	0.013	0.00	623.72	0.000
L3	181.567 - 176.567 (3)	P24x0.375	28.88	623.72	0.046	0.00	623.72	0.000
L4	176.567 - 171.567 (4)	P24x0.375	53.60	623.72	0.086	0.00	623.72	0.000
L5	171.567 - 166.567 (5)	P24x0.375	92.69	623.72	0.149	0.00	623.72	0.000
L6	166.567 - 161.567 (6)	P24x0.375	134.94	623.72	0.216	0.00	623.72	0.000
L7	161.567 - 156.567 (7)	P24x0.375	195.60	623.72	0.314	0.00	623.72	0.000
L8	156.567 - 151.567 (8)	P24x0.375	263.72	623.72	0.423	0.00	623.72	0.000
L9	151.567 - 146.567 (9)	P24x0.375	354.30	623.72	0.568	0.00	623.72	0.000
L10	146.567 - 141.567 (10)	P24x0.375	448.29	623.72	0.719	0.00	623.72	0.000
L11	141.567 - 141.417 (11)	P24x0.375	451.12	623.72	0.723	0.00	623.72	0.000
L12	141.417 - 136.417 (12)	P36x0.375	546.52	1338.81	0.408	0.00	1338.81	0.000
L13	136.417 - 131.417 (13)	P36x0.375	645.15	1338.81	0.482	0.00	1338.81	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L14	131.417 - 126.417 (14)	P36x0.375	746.48	1338.81	0.558	0.00	1338.81	0.000
L15	126.417 - 121.417 (15)	P36x0.375	850.62	1338.81	0.635	0.00	1338.81	0.000
L16	121.417 - 121.167 (16)	P36x0.375	855.93	1338.81	0.639	0.00	1338.81	0.000
L17	121.167 - 116.167 (17)	P42x0.375	963.85	1796.56	0.536	0.00	1796.56	0.000
L18	116.167 - 111.167 (18)	P42x0.375	1098.38	1796.56	0.611	0.00	1796.56	0.000
L19	111.167 - 110.042 (19)	P42x0.375	1128.46	1796.56	0.628	0.00	1796.56	0.000
L20	110.042 - 109.792 (20)	P42x0.4875	1135.18	2395.43	0.474	0.00	2395.43	0.000
L21	109.792 - 105.083 (21)	P42x0.4875	1264.43	2395.43	0.528	0.00	2395.43	0.000
L22	105.083 - 104.833 (22)	P42x0.5625	1271.43	2809.31	0.453	0.00	2809.31	0.000
L23	104.833 - 100.917 (23)	P42x0.5625	1383.30	2809.31	0.492	0.00	2809.31	0.000
L24	100.917 - 100.667 (24)	P48x0.375	1390.58	2321.11	0.599	0.00	2321.11	0.000
L25	100.667 - 95.833 (25)	P48x0.375	1534.42	2321.11	0.661	0.00	2321.11	0.000
L26	95.833 - 95.583 (26)	P48x0.475	1542.02	2999.96	0.514	0.00	2999.96	0.000
L27	95.583 - 90.583 (27)	P48x0.475	1697.11	2999.96	0.566	0.00	2999.96	0.000
L28	90.583 - 89.917 (28)	P48x0.475	1718.64	2999.96	0.573	0.00	2999.96	0.000
L29	89.917 - 89.667 (29)	P48x0.575	1726.64	3702.97	0.466	0.00	3702.97	0.000
L30	89.667 - 84.667 (30)	P48x0.575	1889.98	3702.97	0.510	0.00	3702.97	0.000
L31	84.667 - 80.833 (31)	P48x0.575	2019.59	3702.97	0.545	0.00	3702.97	0.000
L32	80.833 - 80.333 (32)	P54x0.55	2036.79	4408.41	0.462	0.00	4408.41	0.000
L33	80.333 - 80.083 (33)	P54x0.4875	2045.43	3864.47	0.529	0.00	3864.47	0.000
L34	80.083 - 75.083 (34)	P54x0.4875	2221.37	3864.47	0.575	0.00	3864.47	0.000
L35	75.083 - 70.083 (35)	P54x0.4875	2403.61	3864.47	0.622	0.00	3864.47	0.000
L36	70.083 - 69.5 (36)	P54x0.4875	2425.48	3864.47	0.628	0.00	3864.47	0.000
L37	69.5 - 69.25 (37)	P54x0.5875	2434.90	4739.87	0.514	0.00	4739.87	0.000
L38	69.25 - 64.25 (38)	P54x0.5875	2627.43	4739.87	0.554	0.00	4739.87	0.000
L39	64.25 - 60.583 (39)	P54x0.5875	2773.33	4739.87	0.585	0.00	4739.87	0.000
L40	60.583 - 60.333 (40)	P60x0.5125	2783.42	4992.04	0.558	0.00	4992.04	0.000
L41	60.333 - 55.333 (41)	P60x0.5125	2988.40	4992.04	0.599	0.00	4992.04	0.000
L42	55.333 - 52.167 (42)	P60x0.5125	3121.27	4992.04	0.625	0.00	4992.04	0.000
L43	52.167 - 51.917 (43)	P60x0.625	3131.86	6198.18	0.505	0.00	6198.18	0.000
L44	51.917 - 46.917 (44)	P60x0.625	3346.63	6198.18	0.540	0.00	6198.18	0.000
L45	46.917 - 41.917 (45)	P60x0.625	3567.12	6198.18	0.576	0.00	6198.18	0.000
L46	41.917 - 40.233 (46)	P60x0.6	3642.75	5926.84	0.615	0.00	5926.84	0.000
L47	40.233 - 39.983 (47)	P60x0.6	3654.03	5926.84	0.617	0.00	5926.84	0.000

Section No.	Elevation ft	Size	M_{ux}	ϕM_{nx}	Ratio	M_{uy} kip-ft	ϕM_{ny}	Ratio
			kip-ft	kip-ft	$\frac{M_{ux}}{\phi M_{nx}}$		$\frac{M_{uy}}{\phi M_{ny}}$	
L48	39.983 - 34.983 (48)	P60x0.6	3882.44	5926.84	0.655	0.00	5926.84	0.000
L49	34.983 - 29.983 (49)	P60x0.6	4117.12	5926.84	0.695	0.00	5926.84	0.000
L50	29.983 - 28 (50)	P60x0.6	4211.46	5926.84	0.711	0.00	5926.84	0.000
L51	28 - 27.75 (51)	P60x0.725	4223.41	7302.23	0.578	0.00	7302.23	0.000
L52	27.75 - 22.75 (52)	P60x0.725	4465.94	7302.23	0.612	0.00	7302.23	0.000
L53	22.75 - 20.083 (53)	P60x0.725	4597.27	7302.23	0.630	0.00	7302.23	0.000
L54	20.083 - 19.833 (54)	P60x0.625	4609.65	6198.18	0.744	0.00	6198.18	0.000
L55	19.833 - 17 (55)	P60x0.625	4750.73	6198.18	0.766	0.00	6198.18	0.000
L56	17 - 16.75 (56)	P60x0.725	4763.26	7302.23	0.652	0.00	7302.23	0.000
L57	16.75 - 11.65 (57)	P60x0.75	5021.18	7582.87	0.662	0.00	7582.87	0.000
L58	11.65 - 11.417 (58)	P60x0.75	5033.07	7582.87	0.664	0.00	7582.87	0.000
L59	11.417 - 9.396 (59)	P60x0.75	5136.65	7582.87	0.677	0.00	7582.87	0.000
L60	9.396 - 9.146 (60)	P60x0.8	5149.51	8149.65	0.632	0.00	8149.65	0.000
L61	9.146 - 4.833 (61)	P60x0.8	5373.02	8149.65	0.659	0.00	8149.65	0.000
L62	4.833 - 4.583 (62)	P60x0.75	5386.07	7582.87	0.710	0.00	7582.87	0.000
L63	4.583 - 0 (63)	P60x0.75	5626.67	7582.87	0.742	0.00	7582.87	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual	ϕV_n	Ratio	Actual	ϕT_n	Ratio
			V_u K	K	$\frac{V_u}{\phi V_n}$	T_u kip-ft	kip-ft	$\frac{T_u}{\phi T_n}$
L1	191.667 - 186.667 (1)	P18x0.375	0.63	235.46	0.003	0.12	364.87	0.000
L2	186.667 - 181.567 (2)	P24x0.375	0.94	315.62	0.003	0.12	655.57	0.000
L3	181.567 - 176.567 (3)	P24x0.375	4.79	315.62	0.015	0.13	655.57	0.000
L4	176.567 - 171.567 (4)	P24x0.375	5.08	315.62	0.016	0.13	655.57	0.000
L5	171.567 - 166.567 (5)	P24x0.375	8.30	315.62	0.026	0.22	655.57	0.000
L6	166.567 - 161.567 (6)	P24x0.375	8.58	315.62	0.027	0.22	655.57	0.000
L7	161.567 - 156.567 (7)	P24x0.375	13.49	315.62	0.043	0.47	655.57	0.001
L8	156.567 - 151.567 (8)	P24x0.375	13.74	315.62	0.044	0.47	655.57	0.001
L9	151.567 - 146.567 (9)	P24x0.375	18.70	315.62	0.059	0.03	655.57	0.000
L10	146.567 - 141.567 (10)	P24x0.375	18.89	315.62	0.060	0.03	655.57	0.000
L11	141.567 - 141.417 (11)	P24x0.375	18.89	315.62	0.060	0.03	655.57	0.000
L12	141.417 - 136.417 (12)	P36x0.375	19.29	454.19	0.042	0.01	1094.28	0.000
L13	136.417 - 131.417 (13)	P36x0.375	20.09	454.19	0.044	1.20	1094.28	0.001
L14	131.417 - 126.417 (14)	P36x0.375	20.42	454.19	0.045	1.20	1094.28	0.001

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
L15	126.417 - 121.417 (15)	P36x0.375	21.23	454.19	0.047	1.23	1094.28	0.001
L16	121.417 - 121.167 (16)	P36x0.375	21.25	454.19	0.047	1.23	1094.28	0.001
L17	121.167 - 116.167 (17)	P42x0.375	21.75	421.13	0.052	1.57	1185.51	0.001
L18	116.167 - 111.167 (18)	P42x0.375	26.60	421.13	0.063	2.61	1185.51	0.002
L19	111.167 - 110.042 (19)	P42x0.375	26.85	421.13	0.064	2.62	1185.51	0.002
L20	110.042 - 109.792 (20)	P42x0.4875	26.90	720.97	0.037	2.62	2272.02	0.001
L21	109.792 - 105.083 (21)	P42x0.4875	27.98	720.97	0.039	2.64	2272.02	0.001
L22	105.083 - 104.833 (22)	P42x0.5625	28.04	830.38	0.034	2.64	3025.18	0.001
L23	104.833 - 100.917 (23)	P42x0.5625	29.07	830.38	0.035	2.69	3025.18	0.001
L24	100.917 - 100.667 (24)	P48x0.375	29.13	394.37	0.074	2.70	1270.22	0.002
L25	100.667 - 95.833 (25)	P48x0.375	30.37	394.37	0.077	3.05	1270.22	0.002
L26	95.833 - 95.583 (26)	P48x0.475	30.43	710.64	0.043	3.07	2284.06	0.001
L27	95.583 - 90.583 (27)	P48x0.475	31.59	710.64	0.044	3.42	2284.06	0.001
L28	90.583 - 89.917 (28)	P48x0.475	31.98	710.64	0.045	3.42	2284.06	0.001
L29	89.917 - 89.667 (29)	P48x0.575	32.04	971.49	0.033	2.97	3667.03	0.001
L30	89.667 - 84.667 (30)	P48x0.575	33.32	971.49	0.034	3.19	3667.03	0.001
L31	84.667 - 80.833 (31)	P48x0.575	34.37	971.49	0.035	3.37	3667.03	0.001
L32	80.833 - 80.333 (32)	P54x0.55	34.50	966.32	0.036	3.41	3493.03	0.001
L33	80.333 - 80.083 (33)	P54x0.4875	34.57	729.66	0.047	3.42	2639.00	0.001
L34	80.083 - 75.083 (34)	P54x0.4875	35.81	729.66	0.049	3.73	2639.00	0.001
L35	75.083 - 70.083 (35)	P54x0.4875	37.04	729.66	0.051	3.98	2639.00	0.002
L36	70.083 - 69.5 (36)	P54x0.4875	37.62	729.66	0.052	3.98	2639.00	0.002
L37	69.5 - 69.25 (37)	P54x0.5875	37.69	1117.93	0.034	2.40	4113.45	0.001
L38	69.25 - 64.25 (38)	P54x0.5875	39.17	1117.93	0.035	2.56	4113.45	0.001
L39	64.25 - 60.583 (39)	P54x0.5875	40.27	1117.93	0.036	2.65	4113.45	0.001
L40	60.583 - 60.333 (40)	P60x0.5125	40.32	838.76	0.048	2.66	3372.33	0.001
L41	60.333 - 55.333 (41)	P60x0.5125	41.61	838.76	0.050	2.84	3372.33	0.001
L42	55.333 - 52.167 (42)	P60x0.5125	42.31	838.76	0.050	3.03	3372.33	0.001
L43	52.167 - 51.917 (43)	P60x0.625	42.35	1308.39	0.032	3.05	5250.55	0.001
L44	51.917 - 46.917 (44)	P60x0.625	43.54	1308.39	0.033	3.35	5250.55	0.001
L45	46.917 - 41.917 (45)	P60x0.625	44.78	1308.39	0.034	3.61	5250.55	0.001
L46	41.917 - 40.233 (46)	P60x0.6	45.18	1194.07	0.038	3.70	4793.81	0.001
L47	40.233 - 39.983 (47)	P60x0.6	45.22	1194.07	0.038	3.72	4793.81	0.001
L48	39.983 - 34.983 (48)	P60x0.6	46.28	1194.07	0.039	3.95	4793.81	0.001

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 $\frac{T_u}{\phi T_n}$
L49	34.983 - 29.983 (49)	P60x0.6	47.40	1194.07	0.040	4.51	4793.81	0.001
L50	29.983 - 28 (50)	P60x0.6	47.77	1194.07	0.040	4.57	4793.81	0.001
L51	28 - 27.75 (51)	P60x0.725	47.78	1530.99	0.031	4.57	7317.32	0.001
L52	27.75 - 22.75 (52)	P60x0.725	49.08	1530.99	0.032	2.26	7317.32	0.000
L53	22.75 - 20.083 (53)	P60x0.725	49.59	1530.99	0.032	2.34	7317.32	0.000
L54	20.083 - 19.833 (54)	P60x0.625	49.62	1308.39	0.038	2.34	5250.55	0.000
L55	19.833 - 17 (55)	P60x0.625	50.16	1308.39	0.038	2.44	5250.55	0.000
L56	17 - 16.75 (56)	P60x0.725	50.18	1530.99	0.033	2.45	7317.32	0.000
L57	16.75 - 11.65 (57)	P60x0.75	51.12	1583.12	0.032	2.66	7957.82	0.000
L58	11.65 - 11.417 (58)	P60x0.75	51.14	1583.12	0.032	2.67	7957.82	0.000
L59	11.417 - 9.396 (59)	P60x0.75	51.50	1583.12	0.033	2.82	7957.82	0.000
L60	9.396 - 9.146 (60)	P60x0.8	51.52	1687.23	0.031	2.84	8781.67	0.000
L61	9.146 - 4.833 (61)	P60x0.8	52.26	1687.23	0.031	3.17	8781.67	0.000
L62	4.833 - 4.583 (62)	P60x0.75	52.28	1583.12	0.033	3.18	7957.82	0.000
L63	4.583 - 0 (63)	P60x0.75	52.77	1583.12	0.033	3.18	7957.82	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	191.667 - 186.667 (1)	0.001	0.010	0.000	0.003	0.000	0.011	1.050	4.8.2
L2	186.667 - 181.567 (2)	0.001	0.013	0.000	0.003	0.000	0.014	1.050	4.8.2
L3	181.567 - 176.567 (3)	0.006	0.046	0.000	0.015	0.000	0.053	1.050	4.8.2
L4	176.567 - 171.567 (4)	0.007	0.086	0.000	0.016	0.000	0.093	1.050	4.8.2
L5	171.567 - 166.567 (5)	0.010	0.149	0.000	0.026	0.000	0.160	1.050	4.8.2
L6	166.567 - 161.567 (6)	0.011	0.216	0.000	0.027	0.000	0.228	1.050	4.8.2
L7	161.567 - 156.567 (7)	0.015	0.314	0.000	0.043	0.001	0.331	1.050	4.8.2
L8	156.567 - 151.567 (8)	0.016	0.423	0.000	0.044	0.001	0.441	1.050	4.8.2
L9	151.567 - 146.567 (9)	0.021	0.568	0.000	0.059	0.000	0.592	1.050	4.8.2
L10	146.567 - 141.567 (10)	0.022	0.719	0.000	0.060	0.000	0.744	1.050	4.8.2
L11	141.567 - 141.417 (11)	0.022	0.723	0.000	0.060	0.000	0.748	1.050	4.8.2
L12	141.417 - 136.417 (12)	0.016	0.408	0.000	0.042	0.000	0.426	1.050	4.8.2
L13	136.417 - 131.417 (13)	0.017	0.482	0.000	0.044	0.001	0.501	1.050	4.8.2
L14	131.417 - 126.417 (14)	0.018	0.558	0.000	0.045	0.001	0.577	1.050	4.8.2
L15	126.417 - 121.417 (15)	0.019	0.635	0.000	0.047	0.001	0.657	1.050	4.8.2

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		P_u	M_{ux}	M_{uy}	V_u	T_u			
		ϕP_n	ϕM_{nx}	ϕM_{ny}	ϕV_n	ϕT_n			
L16	121.417 - 121.167 (16)	0.019	0.639	0.000	0.047	0.001	0.661	1.050	4.8.2
L17	121.167 - 116.167 (17)	0.018	0.536	0.000	0.052	0.001	0.557	1.050	4.8.2
L18	116.167 - 111.167 (18)	0.021	0.611	0.000	0.063	0.002	0.637	1.050	4.8.2
L19	111.167 - 110.042 (19)	0.021	0.628	0.000	0.064	0.002	0.654	1.050	4.8.2
L20	110.042 - 109.792 (20)	0.015	0.474	0.000	0.037	0.001	0.491	1.050	4.8.2
L21	109.792 - 105.083 (21)	0.016	0.528	0.000	0.039	0.001	0.546	1.050	4.8.2
L22	105.083 - 104.833 (22)	0.014	0.453	0.000	0.034	0.001	0.467	1.050	4.8.2
L23	104.833 - 100.917 (23)	0.014	0.492	0.000	0.035	0.001	0.508	1.050	4.8.2
L24	100.917 - 100.667 (24)	0.022	0.599	0.000	0.074	0.002	0.627	1.050	4.8.2
L25	100.667 - 95.833 (25)	0.023	0.661	0.000	0.077	0.002	0.690	1.050	4.8.2
L26	95.833 - 95.583 (26)	0.017	0.514	0.000	0.043	0.001	0.533	1.050	4.8.2
L27	95.583 - 90.583 (27)	0.018	0.566	0.000	0.044	0.001	0.586	1.050	4.8.2
L28	90.583 - 89.917 (28)	0.018	0.573	0.000	0.045	0.001	0.593	1.050	4.8.2
L29	89.917 - 89.667 (29)	0.014	0.466	0.000	0.033	0.001	0.481	1.050	4.8.2
L30	89.667 - 84.667 (30)	0.015	0.510	0.000	0.034	0.001	0.527	1.050	4.8.2
L31	84.667 - 80.833 (31)	0.016	0.545	0.000	0.035	0.001	0.563	1.050	4.8.2
L32	80.833 - 80.333 (32)	0.016	0.462	0.000	0.036	0.001	0.479	1.050	4.8.2
L33	80.333 - 80.083 (33)	0.018	0.529	0.000	0.047	0.001	0.550	1.050	4.8.2
L34	80.083 - 75.083 (34)	0.019	0.575	0.000	0.049	0.001	0.597	1.050	4.8.2
L35	75.083 - 70.083 (35)	0.020	0.622	0.000	0.051	0.002	0.645	1.050	4.8.2
L36	70.083 - 69.5 (36)	0.020	0.628	0.000	0.052	0.002	0.651	1.050	4.8.2
L37	69.5 - 69.25 (37)	0.016	0.514	0.000	0.034	0.001	0.531	1.050	4.8.2
L38	69.25 - 64.25 (38)	0.018	0.554	0.000	0.035	0.001	0.574	1.050	4.8.2
L39	64.25 - 60.583 (39)	0.019	0.585	0.000	0.036	0.001	0.606	1.050	4.8.2
L40	60.583 - 60.333 (40)	0.022	0.558	0.000	0.048	0.001	0.581	1.050	4.8.2
L41	60.333 - 55.333 (41)	0.023	0.599	0.000	0.050	0.001	0.624	1.050	4.8.2
L42	55.333 - 52.167 (42)	0.023	0.625	0.000	0.050	0.001	0.651	1.050	4.8.2
L43	52.167 - 51.917 (43)	0.018	0.505	0.000	0.032	0.001	0.524	1.050	4.8.2
L44	51.917 - 46.917 (44)	0.019	0.540	0.000	0.033	0.001	0.560	1.050	4.8.2
L45	46.917 - 41.917 (45)	0.020	0.576	0.000	0.034	0.001	0.597	1.050	4.8.2
L46	41.917 - 40.233 (46)	0.021	0.615	0.000	0.038	0.001	0.637	1.050	4.8.2
L47	40.233 - 39.983 (47)	0.021	0.617	0.000	0.038	0.001	0.639	1.050	4.8.2
L48	39.983 - 34.983 (48)	0.022	0.655	0.000	0.039	0.001	0.679	1.050	4.8.2
L49	34.983 - 29.983 (49)	0.023	0.695	0.000	0.040	0.001	0.719	1.050	4.8.2

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		P_u	M_{ux}	M_{uy}	V_u	T_u			
L50	29.983 - 28 (50)	0.023	0.711	0.000	0.040	0.001	0.736	1.050	4.8.2
L51	28 - 27.75 (51)	0.018	0.578	0.000	0.031	0.001	0.598	1.050	4.8.2
L52	27.75 - 22.75 (52)	0.019	0.612	0.000	0.032	0.000	0.632	1.050	4.8.2
L53	22.75 - 20.083 (53)	0.020	0.630	0.000	0.032	0.000	0.650	1.050	4.8.2
L54	20.083 - 19.833 (54)	0.024	0.744	0.000	0.038	0.000	0.769	1.050	4.8.2
L55	19.833 - 17 (55)	0.024	0.766	0.000	0.038	0.000	0.792	1.050	4.8.2
L56	17 - 16.75 (56)	0.020	0.652	0.000	0.033	0.000	0.674	1.050	4.8.2
L57	16.75 - 11.65 (57)	0.020	0.662	0.000	0.032	0.000	0.683	1.050	4.8.2
L58	11.65 - 11.417 (58)	0.020	0.664	0.000	0.032	0.000	0.685	1.050	4.8.2
L59	11.417 - 9.396 (59)	0.020	0.677	0.000	0.033	0.000	0.699	1.050	4.8.2
L60	9.396 - 9.146 (60)	0.019	0.632	0.000	0.031	0.000	0.652	1.050	4.8.2
L61	9.146 - 4.833 (61)	0.020	0.659	0.000	0.031	0.000	0.680	1.050	4.8.2
L62	4.833 - 4.583 (62)	0.021	0.710	0.000	0.033	0.000	0.732	1.050	4.8.2
L63	4.583 - 0 (63)	0.022	0.742	0.000	0.033	0.000	0.765	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	191.667 - 186.667	Pole	P18x0.375	1	-0.72	824.12	1.1	Pass
L2	186.667 - 181.567	Pole	P24x0.375	2	-1.35	1104.67	1.3	Pass
L3	181.567 - 176.567	Pole	P24x0.375	3	-6.52	1104.67	5.0	Pass
L4	176.567 - 171.567	Pole	P24x0.375	4	-7.17	1104.67	8.9	Pass
L5	171.567 - 166.567	Pole	P24x0.375	5	-10.86	1104.67	15.2	Pass
L6	166.567 - 161.567	Pole	P24x0.375	6	-11.53	1104.67	21.7	Pass
L7	161.567 - 156.567	Pole	P24x0.375	7	-15.98	1104.67	31.5	Pass
L8	156.567 - 151.567	Pole	P24x0.375	8	-16.74	1104.67	42.0	Pass
L9	151.567 - 146.567	Pole	P24x0.375	9	-21.77	1104.67	56.4	Pass
L10	146.567 - 141.567	Pole	P24x0.375	10	-22.64	1104.67	70.8	Pass
L11	141.567 - 141.417	Pole	P24x0.375	11	-22.67	1104.67	71.3	Pass
L12	141.417 - 136.417	Pole	P36x0.375	12	-23.79	1564.60	40.6	Pass
L13	136.417 - 131.417	Pole	P36x0.375	13	-25.38	1564.60	47.7	Pass
L14	131.417 - 126.417	Pole	P36x0.375	14	-26.53	1564.60	55.0	Pass
L15	126.417 - 121.417	Pole	P36x0.375	15	-28.73	1564.60	62.6	Pass
L16	121.417 - 121.167	Pole	P36x0.375	16	-28.81	1564.60	62.9	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail	
L17	121.167 - 116.167	Pole	P42x0.375	17	-30.26	1752.31	53.1	Pass	
L18	116.167 - 111.167	Pole	P42x0.375	18	-35.37	1752.31	60.7	Pass	
L19	111.167 - 110.042	Pole	P42x0.375	19	-35.69	1752.31	62.3	Pass	
L20	110.042 - 109.792	Pole	P42x0.4875	20	-35.78	2448.74	46.7	Pass	
L21	109.792 - 105.083	Pole	P42x0.4875	21	-37.47	2448.74	52.0	Pass	
L22	105.083 - 104.833	Pole	P42x0.5625	22	-37.58	2906.35	44.5	Pass	
L23	104.833 - 100.917	Pole	P42x0.5625	23	-40.04	2906.35	48.4	Pass	
L24	100.917 - 100.667	Pole	P48x0.375	24	-40.15	1939.86	59.7	Pass	
L25	100.667 - 95.833	Pole	P48x0.375	25	-42.03	1939.86	65.7	Pass	
L26	95.833 - 95.583	Pole	P48x0.475	26	-42.13	2605.46	50.8	Pass	
L27	95.583 - 90.583	Pole	P48x0.475	27	-43.96	2605.46	55.8	Pass	
L28	90.583 - 89.917	Pole	P48x0.475	28	-44.38	2605.46	56.5	Pass	
L29	89.917 - 89.667	Pole	P48x0.575	29	-44.49	3332.72	45.9	Pass	
L30	89.667 - 84.667	Pole	P48x0.575	30	-47.37	3332.72	50.1	Pass	
L31	84.667 - 80.833	Pole	P48x0.575	31	-50.59	3332.72	53.6	Pass	
L32	80.833 - 80.333	Pole	P54x0.55	32	-50.98	3420.72	45.6	Pass	
L33	80.333 - 80.083	Pole	P54x0.4875	33	-51.12	2937.03	52.4	Pass	
L34	80.083 - 75.083	Pole	P54x0.4875	34	-53.65	2937.03	56.8	Pass	
L35	75.083 - 70.083	Pole	P54x0.4875	35	-56.61	2937.03	61.4	Pass	
L36	70.083 - 69.5	Pole	P54x0.4875	36	-57.28	2937.03	62.0	Pass	
L37	69.5 - 69.25	Pole	P54x0.5875	37	-57.47	3722.49	50.6	Pass	
L38	69.25 - 64.25	Pole	P54x0.5875	38	-63.89	3722.49	54.6	Pass	
L39	64.25 - 60.583	Pole	P54x0.5875	39	-69.11	3722.49	57.7	Pass	
L40	60.583 - 60.333	Pole	P60x0.5125	40	-69.32	3384.03	55.4	Pass	
L41	60.333 - 55.333	Pole	P60x0.5125	41	-73.16	3384.03	59.4	Pass	
L42	55.333 - 52.167	Pole	P60x0.5125	42	-74.69	3384.03	62.0	Pass	
L43	52.167 - 51.917	Pole	P60x0.625	43	-74.84	4346.11	49.9	Pass	
L44	51.917 - 46.917	Pole	P60x0.625	44	-77.99	4346.11	53.3	Pass	
L45	46.917 - 41.917	Pole	P60x0.625	45	-82.02	4346.11	56.8	Pass	
L46	41.917 - 40.233	Pole	P60x0.6	46	-83.32	4125.57	60.7	Pass	
L47	40.233 - 39.983	Pole	P60x0.6	47	-83.52	4125.57	60.9	Pass	
L48	39.983 - 34.983	Pole	P60x0.6	48	-87.25	4125.57	64.7	Pass	
L49	34.983 - 29.983	Pole	P60x0.6	49	-90.65	4125.57	68.5	Pass	
L50	29.983 - 28	Pole	P60x0.6	50	-91.74	4125.57	70.1	Pass	
L51	28 - 27.75	Pole	P60x0.725	51	-91.92	5266.71	56.9	Pass	
L52	27.75 - 22.75	Pole	P60x0.725	52	-96.10	5266.71	60.2	Pass	
L53	22.75 - 20.083	Pole	P60x0.725	53	-98.36	5266.71	61.9	Pass	
L54	20.083 - 19.833	Pole	P60x0.625	54	-98.56	4346.11	73.2	Pass	
L55	19.833 - 17	Pole	P60x0.625	55	-100.75	4346.11	75.5	Pass	
L56	17 - 16.75	Pole	P60x0.725	56	-100.98	5266.71	64.1	Pass	
L57	16.75 - 11.65	Pole	P60x0.75	57	-105.28	5506.44	65.1	Pass	
L58	11.65 - 11.417	Pole	P60x0.75	58	-105.45	5506.44	65.2	Pass	
L59	11.417 - 9.396	Pole	P60x0.75	59	-106.83	5506.44	66.6	Pass	
L60	9.396 - 9.146	Pole	P60x0.8	60	-107.01	5905.30	62.1	Pass	
L61	9.146 - 4.833	Pole	P60x0.8	61	-110.07	5905.30	64.7	Pass	
L62	4.833 - 4.583	Pole	P60x0.75	62	-110.25	5506.44	69.8	Pass	
L63	4.583 - 0	Pole	P60x0.75	63	-113.15	5506.44	72.8	Pass	
							Summary		
							Pole (L55)	75.5	Pass
							RATING =	75.5	Pass

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

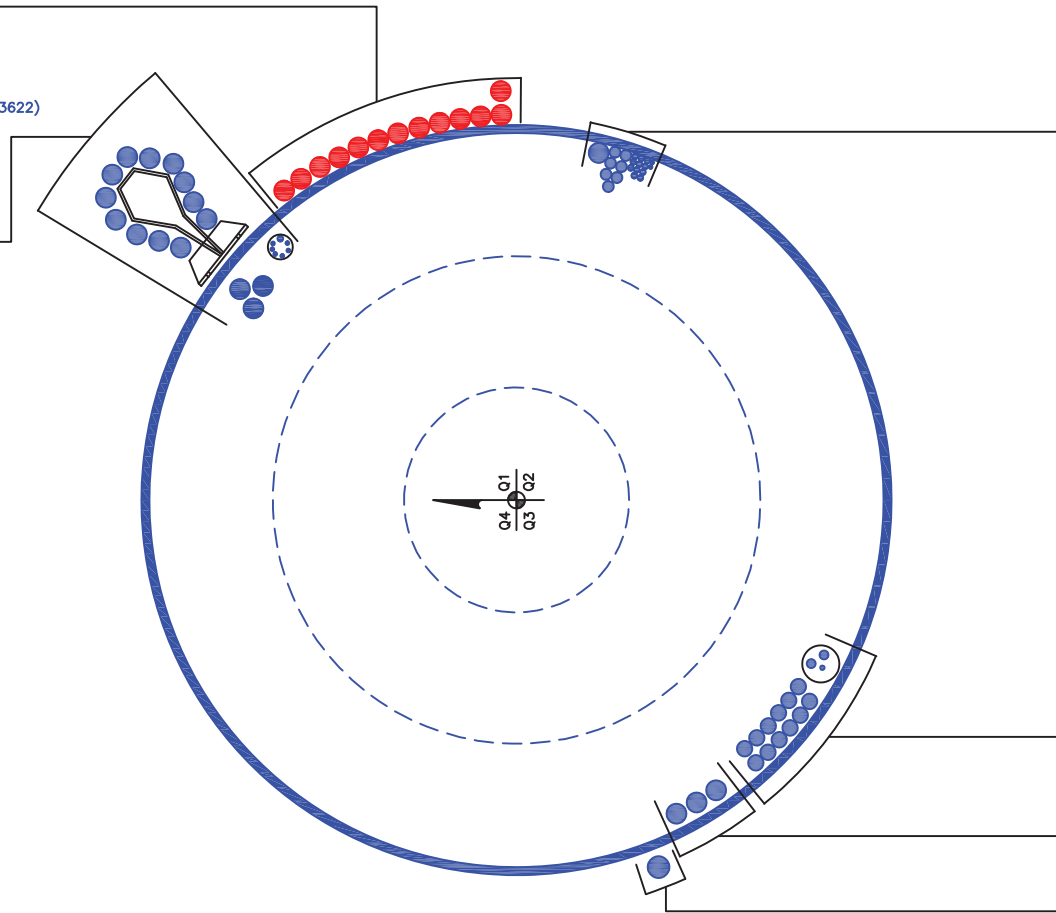
APPENDIX B
BASE LEVEL DRAWING



(PROPOSED EQUIPMENT CONFIGURATION)
(13) 1-5/8" TO 160 FT LEVEL

(OTHER CONSIDERED EQUIPMENT—IN CONDUIT—443622)
(6) 5/16" TO 116 FT LEVEL
(1) 1/2" TO 116 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 116 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(12) 1-5/8" TO 116 FT LEVEL



APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 826217
Work Order: 2028612



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Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	191.667	10.084		0	18	18	0.375		A53-B-42
2	181.583	40.166		0	24.00	24	0.375		A53-B-42
3	141.417	20.25		0	36.00	36	0.375		A53-B-42
4	121.167	20.25		0	42.00	42	0.375		A53-B-42
5	100.917	20.084		0	48.00	48	0.375		A53-B-42
6	80.833	20.25		0	54.00	54	0.375		A53-B-42
7	60.583	20.25		0	60.00	60	0.375		A53-B-42
8	40.333	20.25		0	60.00	60	0.5		A53-B-42
9	20.083	20.083		0	60.00	60	0.625		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	9.396	plate	CCI-AFP-040075	2				70													313	
2	20.083	40.33	plate	CCI-SFP-060100	3				66						189							312	
3	40.333	60.583	plate	CCI-SFP-065125	3				67.5						188							307	
4	60.583	80.333	plate	CCI-SFP-060100	3				67.5						190							307	
5	80.333	89.917	plate	CCI-SFP-045100	3				72						192							312	
6	100.917	105.083	plate	CCI-AFP-040075	3			53						178								303	
7	4.833	11.667	plate	CCI-AFP-040075	1										198								
8	0	17	plate	CCI-SFP-060100	4		36				113						223				294		
9	20.083	28	plate	CCI-SFP-060100	4			53					157					247				339	
10	40.333	52.167	plate	CCI-SFP-060100	4		36					126					234				294		
11	60.583	69.5	plate	CCI-SFP-045100	4				80				155					254					341
12	80.333	95.833	plate	CCI-SFP-045100	3					93						213						333	
13	100.917	110.042	plate	CCI-SFP-045100	3		30							150						270			
14																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	4	0.75	3	0.375	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	16.000	2.063	1.1875	A572-65
2	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
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	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
6	4	0.75	3	0.375	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	16.000	2.063	1.1875	A572-65
7	4	0.75	3	0.375	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	16.000	2.063	1.1875	A572-65
8	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
9	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
10	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
11	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
12	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
13	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65

TNX Geometry Input

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

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	191.667 - 186.667	5	0	0	18.000	18.000	0.375	A53-B-42	1.000
2	186.667 - 181.567	5.1		0	24.000	24.000	0.375	A53-B-42	1.000
3	181.567 - 176.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
4	176.567 - 171.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
5	171.567 - 166.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
6	166.567 - 161.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
7	161.567 - 156.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
8	156.567 - 151.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
9	151.567 - 146.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
10	146.567 - 141.567	5		0	24.000	24.000	0.375	A53-B-42	1.000
11	141.567 - 141.417	0.15	0	0	24.000	24.000	0.375	A53-B-42	1.000
12	141.417 - 136.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
13	136.417 - 131.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
14	131.417 - 126.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
15	126.417 - 121.417	5		0	36.000	36.000	0.375	A53-B-42	1.000
16	121.417 - 121.167	0.25	0	0	36.000	36.000	0.375	A53-B-42	1.000
17	121.167 - 116.167	5		0	42.000	42.000	0.375	A53-B-42	1.000
18	116.167 - 111.167	5		0	42.000	42.000	0.375	A53-B-42	1.000
19	111.167 - 110.042	1.125		0	42.000	42.000	0.375	A53-B-42	1.000
20	110.042 - 109.792	0.25		0	42.000	42.000	0.4875	A53-B-42	0.984
21	109.792 - 105.083	4.709		0	42.000	42.000	0.4875	A53-B-42	0.984
22	105.083 - 104.833	0.25		0	42.000	42.000	0.5625	A53-B-42	0.977
23	104.833 - 100.917	3.916	0	0	42.000	42.000	0.5625	A53-B-42	0.977
24	100.917 - 100.667	0.25		0	48.000	48.000	0.375	A53-B-42	1.000
25	100.667 - 95.833	4.834		0	48.000	48.000	0.375	A53-B-42	1.000
26	95.833 - 95.583	0.25		0	48.000	48.000	0.475	A53-B-42	0.981
27	95.583 - 90.583	5		0	48.000	48.000	0.475	A53-B-42	0.981
28	90.583 - 89.917	0.666		0	48.000	48.000	0.475	A53-B-42	0.981
29	89.917 - 89.667	0.25		0	48.000	48.000	0.575	A53-B-42	0.970
30	89.667 - 84.667	5		0	48.000	48.000	0.575	A53-B-42	0.970
31	84.667 - 80.833	3.834	0	0	48.000	48.000	0.575	A53-B-42	0.970
32	80.833 - 80.333	0.5		0	54.000	54.000	0.55	A53-B-42	0.976
33	80.333 - 80.083	0.25		0	54.000	54.000	0.4875	A53-B-42	0.990
34	80.083 - 75.083	5		0	54.000	54.000	0.4875	A53-B-42	0.990
35	75.083 - 70.083	5		0	54.000	54.000	0.4875	A53-B-42	0.990
36	70.083 - 69.5	0.583		0	54.000	54.000	0.4875	A53-B-42	0.990
37	69.5 - 69.25	0.25		0	54.000	54.000	0.5875	A53-B-42	1.006
38	69.25 - 64.25	5		0	54.000	54.000	0.5875	A53-B-42	1.006
39	64.25 - 60.583	3.667	0	0	54.000	54.000	0.5875	A53-B-42	1.006
40	60.583 - 60.333	0.25		0	60.000	60.000	0.5125	A53-B-42	0.988
41	60.333 - 55.333	5		0	60.000	60.000	0.5125	A53-B-42	0.988
42	55.333 - 52.167	3.166		0	60.000	60.000	0.5125	A53-B-42	0.988
43	52.167 - 51.917	0.25		0	60.000	60.000	0.625	A53-B-42	1.017
44	51.917 - 46.917	5		0	60.000	60.000	0.625	A53-B-42	1.017
45	46.917 - 41.917	5	0	0	60.000	60.000	0.625	A53-B-42	1.017
46	41.917 - 40.233	1.684		0	60.000	60.000	0.6	A53-B-42	0.995
47	40.233 - 39.983	0.25		0	60.000	60.000	0.6	A53-B-42	0.995
48	39.983 - 34.983	5		0	60.000	60.000	0.6	A53-B-42	0.995
49	34.983 - 29.983	5		0	60.000	60.000	0.6	A53-B-42	0.995
50	29.983 - 28	1.983		0	60.000	60.000	0.6	A53-B-42	0.995
51	28 - 27.75	0.25		0	60.000	60.000	0.725	A53-B-42	1.003
52	27.75 - 22.75	5		0	60.000	60.000	0.725	A53-B-42	1.003
53	22.75 - 20.083	2.667	0	0	60.000	60.000	0.725	A53-B-42	1.003
54	20.083 - 19.833	0.25		0	60.000	60.000	0.625	A53-B-42	1.000
55	19.833 - 17	2.833		0	60.000	60.000	0.625	A53-B-42	1.000
56	17 - 16.75	0.25		0	60.000	60.000	0.725	A53-B-42	1.041
57	16.75 - 11.65	5.1		0	60.000	60.000	0.75	A53-B-42	1.028
58	11.65 - 11.417	0.233		0	60.000	60.000	0.75	A53-B-42	1.028
59	11.417 - 9.396	2.021		0	60.000	60.000	0.75	A53-B-42	1.028
60	9.396 - 9.146	0.25		0	60.000	60.000	0.8	A53-B-42	1.005
61	9.146 - 4.833	4.313		0	60.000	60.000	0.8	A53-B-42	1.005
62	4.833 - 4.583	0.25		0	60.000	60.000	0.75	A53-B-42	1.050
63	4.583 - 0	4.583		0	60.000	60.000	0.75	A53-B-42	1.050

TNX Section Forces

Increment (ft):		5	TNX Output		
	Section Height (ft)		P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	191.667 - 186.667		0.72	3.78	0.63
2	186.667 - 181.567		1.35	7.83	0.94
3	181.567 - 176.567		6.52	28.88	4.79
4	176.567 - 171.567		7.17	53.60	5.08
5	171.567 - 166.567		10.86	92.69	8.30
6	166.567 - 161.567		11.53	134.94	8.58
7	161.567 - 156.567		15.98	195.60	13.49
8	156.567 - 151.567		16.74	263.72	13.74
9	151.567 - 146.567		21.77	354.30	18.70
10	146.567 - 141.567		22.64	448.29	18.89
11	141.567 - 141.417		22.67	451.12	18.89
12	141.417 - 136.417		23.79	546.52	19.29
13	136.417 - 131.417		25.38	645.15	20.09
14	131.417 - 126.417		26.53	746.47	20.42
15	126.417 - 121.417		28.73	850.62	21.23
16	121.417 - 121.167		28.81	855.93	21.25
17	121.167 - 116.167		30.26	963.85	21.75
18	116.167 - 111.167		35.37	1098.38	26.60
19	111.167 - 110.042		35.69	1128.45	26.85
20	110.042 - 109.792		35.78	1135.18	26.90
21	109.792 - 105.083		37.47	1264.43	27.98
22	105.083 - 104.833		37.58	1271.43	28.04
23	104.833 - 100.917		40.04	1383.30	29.07
24	100.917 - 100.667		40.15	1390.58	29.13
25	100.667 - 95.833		42.03	1534.42	30.37
26	95.833 - 95.583		42.13	1542.02	30.43
27	95.583 - 90.583		43.96	1697.11	31.59
28	90.583 - 89.917		44.38	1718.64	31.98
29	89.917 - 89.667		44.49	1726.64	32.04
30	89.667 - 84.667		47.37	1889.98	33.32
31	84.667 - 80.833		50.59	2019.59	34.37
32	80.833 - 80.333		50.98	2036.79	34.50
33	80.333 - 80.083		51.12	2045.43	34.57
34	80.083 - 75.083		53.65	2221.37	35.81
35	75.083 - 70.083		56.61	2403.61	37.04
36	70.083 - 69.5		57.28	2425.48	37.62
37	69.5 - 69.25		57.47	2434.90	37.69
38	69.25 - 64.25		63.89	2627.43	39.17
39	64.25 - 60.583		69.11	2773.34	40.27
40	60.583 - 60.333		69.32	2783.42	40.32
41	60.333 - 55.333		73.16	2988.40	41.61
42	55.333 - 52.167		74.69	3121.27	42.31
43	52.167 - 51.917		74.84	3131.86	42.35
44	51.917 - 46.917		77.99	3346.63	43.54
45	46.917 - 41.917		82.02	3567.12	44.78
46	41.917 - 40.233		83.32	3642.75	45.18
47	40.233 - 39.983		83.52	3654.03	45.22
48	39.983 - 34.983		87.25	3882.44	46.28
49	34.983 - 29.983		90.65	4117.11	47.40
50	29.983 - 28		91.74	4211.46	47.77
51	28 - 27.75		91.91	4223.41	48.09
52	27.75 - 22.75		96.10	4465.94	49.08
53	22.75 - 20.083		98.36	4597.27	49.59
54	20.083 - 19.833		98.56	4609.65	49.62
55	19.833 - 17		100.75	4750.74	50.16
56	17 - 16.75		100.98	4763.26	50.18
57	16.75 - 11.65		105.28	5021.18	51.12
58	11.65 - 11.417		105.45	5033.07	51.14
59	11.417 - 9.396		106.83	5136.65	51.50
60	9.396 - 9.146		107.01	5149.51	51.52
61	9.146 - 4.833		110.07	5373.02	52.26
62	4.833 - 4.583		110.25	5386.07	52.28
63	4.583 - 0		113.15	5626.67	52.77

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
191.67 - 186.67	Pole	TP18x18x0.375	Pole	1.1%	Pass
186.67 - 181.57	Pole	TP24x24x0.375	Pole	1.3%	Pass
181.57 - 176.57	Pole	TP24x24x0.375	Pole	5.0%	Pass
176.57 - 171.57	Pole	TP24x24x0.375	Pole	8.9%	Pass
171.57 - 166.57	Pole	TP24x24x0.375	Pole	15.2%	Pass
166.57 - 161.57	Pole	TP24x24x0.375	Pole	21.7%	Pass
161.57 - 156.57	Pole	TP24x24x0.375	Pole	31.5%	Pass
156.57 - 151.57	Pole	TP24x24x0.375	Pole	42.0%	Pass
151.57 - 146.57	Pole	TP24x24x0.375	Pole	56.4%	Pass
146.57 - 141.57	Pole	TP24x24x0.375	Pole	70.8%	Pass
141.57 - 141.42	Pole	TP24x24x0.375	Pole	71.3%	Pass
141.42 - 136.42	Pole	TP36x36x0.375	Pole	40.6%	Pass
136.42 - 131.42	Pole	TP36x36x0.375	Pole	47.7%	Pass
131.42 - 126.42	Pole	TP36x36x0.375	Pole	55.0%	Pass
126.42 - 121.42	Pole	TP36x36x0.375	Pole	62.6%	Pass
121.42 - 121.17	Pole	TP36x36x0.375	Pole	62.9%	Pass
121.17 - 116.17	Pole	TP42x42x0.375	Pole	53.0%	Pass
116.17 - 111.17	Pole	TP42x42x0.375	Pole	60.5%	Pass
111.17 - 110.04	Pole	TP42x42x0.375	Pole	62.1%	Pass
110.04 - 109.79	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	48.4%	Pass
109.79 - 105.08	Pole + Reinf.	TP42x42x0.4875	Reinf. 13 Tension Rupture	53.8%	Pass
105.08 - 104.83	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	49.1%	Pass
104.83 - 100.92	Pole + Reinf.	TP42x42x0.5625	Reinf. 6 Tension Rupture	53.4%	Pass
100.92 - 100.67	Pole	TP48x48x0.375	Pole	59.4%	Pass
100.67 - 95.83	Pole	TP48x48x0.375	Pole	65.4%	Pass
95.83 - 95.58	Pole + Reinf.	TP48x48x0.475	Pole	52.1%	Pass
95.58 - 90.58	Pole + Reinf.	TP48x48x0.475	Pole	57.3%	Pass
90.58 - 89.92	Pole + Reinf.	TP48x48x0.475	Pole	58.0%	Pass
89.92 - 89.67	Pole + Reinf.	TP48x48x0.575	Pole	48.3%	Pass
89.67 - 84.67	Pole + Reinf.	TP48x48x0.575	Pole	52.9%	Pass
84.67 - 80.83	Pole + Reinf.	TP48x48x0.575	Pole	56.5%	Pass
80.83 - 80.33	Pole + Reinf.	TP54x54x0.55	Pole	47.5%	Pass
80.33 - 80.08	Pole + Reinf.	TP54x54x0.4875	Pole	53.7%	Pass
80.08 - 75.08	Pole + Reinf.	TP54x54x0.4875	Pole	58.2%	Pass
75.08 - 70.08	Pole + Reinf.	TP54x54x0.4875	Pole	62.9%	Pass
70.08 - 69.5	Pole + Reinf.	TP54x54x0.4875	Pole	63.5%	Pass
69.5 - 69.25	Pole + Reinf.	TP54x54x0.5875	Pole	52.7%	Pass
69.25 - 64.25	Pole + Reinf.	TP54x54x0.5875	Pole	56.9%	Pass
64.25 - 60.58	Pole + Reinf.	TP54x54x0.5875	Pole	60.1%	Pass
60.58 - 60.33	Pole + Reinf.	TP60x60x0.5125	Pole	56.4%	Pass
60.33 - 55.33	Pole + Reinf.	TP60x60x0.5125	Pole	60.6%	Pass
55.33 - 52.17	Pole + Reinf.	TP60x60x0.5125	Pole	63.2%	Pass
52.17 - 51.92	Pole + Reinf.	TP60x60x0.625	Pole	52.9%	Pass
51.92 - 46.92	Pole + Reinf.	TP60x60x0.625	Pole	56.5%	Pass
46.92 - 41.92	Pole + Reinf.	TP60x60x0.625	Pole	60.2%	Pass
41.92 - 40.23	Pole + Reinf.	TP60x60x0.6	Pole	62.0%	Pass
40.23 - 39.98	Pole + Reinf.	TP60x60x0.6	Pole	62.2%	Pass
39.98 - 34.98	Pole + Reinf.	TP60x60x0.6	Pole	66.1%	Pass
34.98 - 29.98	Pole + Reinf.	TP60x60x0.6	Pole	70.0%	Pass
29.98 - 28	Pole + Reinf.	TP60x60x0.6	Pole	71.6%	Pass
28 - 27.75	Pole + Reinf.	TP60x60x0.725	Pole	60.3%	Pass
27.75 - 22.75	Pole + Reinf.	TP60x60x0.725	Pole	63.7%	Pass
22.75 - 20.08	Pole + Reinf.	TP60x60x0.725	Pole	65.6%	Pass
20.08 - 19.83	Pole	TP60x60x0.625	Pole	73.2%	Pass
19.83 - 17	Pole	TP60x60x0.625	Pole	75.5%	Pass
17 - 16.75	Pole + Reinf.	TP60x60x0.725	Pole	65.4%	Pass
16.75 - 11.65	Pole + Reinf.	TP60x60x0.75	Pole	67.3%	Pass
11.65 - 11.42	Pole + Reinf.	TP60x60x0.75	Pole	67.5%	Pass
11.42 - 9.4	Pole + Reinf.	TP60x60x0.75	Pole	68.8%	Pass
9.4 - 9.15	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	68.5%	Pass
9.15 - 4.83	Pole + Reinf.	TP60x60x0.8	Reinf. 7 Tension Rupture	71.4%	Pass
4.83 - 4.58	Pole + Reinf.	TP60x60x0.75	Pole	73.1%	Pass
4.58 - 0	Pole + Reinf.	TP60x60x0.75	Pole	76.3%	Pass
				Summary	
			Pole	76.3%	Pass
			Reinforcement	74.3%	Pass
			Overall	76.3%	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	R6	R7	R8	R9	R10	R11	R12	R13
191.67 - 186.67	807	n/a	807	20.76	n/a	20.76	1.1%													
186.67 - 181.57	1942	n/a	1942	27.83	n/a	27.83	1.3%													
181.57 - 176.57	1942	n/a	1942	27.83	n/a	27.83	5.0%													
176.57 - 171.57	1942	n/a	1942	27.83	n/a	27.83	8.9%													
171.57 - 166.57	1942	n/a	1942	27.83	n/a	27.83	15.2%													
166.57 - 161.57	1942	n/a	1942	27.83	n/a	27.83	21.7%													
161.57 - 156.57	1942	n/a	1942	27.83	n/a	27.83	31.5%													
156.57 - 151.57	1942	n/a	1942	27.83	n/a	27.83	42.0%													
151.57 - 146.57	1942	n/a	1942	27.83	n/a	27.83	56.4%													
146.57 - 141.57	1942	n/a	1942	27.83	n/a	27.83	70.8%													
141.57 - 141.42	1942	n/a	1942	27.83	n/a	27.83	71.3%													
141.42 - 136.42	6659	n/a	6659	41.97	n/a	41.97	40.6%													
136.42 - 131.42	6659	n/a	6659	41.97	n/a	41.97	47.7%													
131.42 - 126.42	6659	n/a	6659	41.97	n/a	41.97	55.0%													
126.42 - 121.42	6659	n/a	6659	41.97	n/a	41.97	62.6%													
121.42 - 121.17	6659	n/a	6659	41.97	n/a	41.97	62.9%													
121.17 - 116.17	10622	n/a	10622	49.04	n/a	49.04	53.0%													
116.17 - 111.17	10622	n/a	10622	49.04	n/a	49.04	60.5%													
111.17 - 110.04	10622	n/a	10622	49.04	n/a	49.04	62.1%													
110.04 - 109.79	10622	3132	13754	49.04	13.50	62.54	48.1%													48.4%
109.79 - 105.08	10622	3132	13754	49.04	13.50	62.54	53.4%													53.8%
105.08 - 104.83	10622	5106	15728	49.04	22.50	71.54	47.1%						49.1%							47.6%
104.83 - 100.92	10622	5106	15728	49.04	22.50	71.54	51.2%						53.4%							51.8%
100.92 - 100.67	15908	n/a	15908	56.11	n/a	56.11	59.4%													
100.67 - 95.83	15908	n/a	15908	56.11	n/a	56.11	65.4%													
95.83 - 95.58	15908	4064	19972	56.11	13.50	69.61	52.1%													51.6%
95.58 - 90.58	15908	4064	19972	56.11	13.50	69.61	57.3%													56.7%
90.58 - 89.92	15908	4064	19972	56.11	13.50	69.61	58.0%													57.4%
89.92 - 89.67	15908	8127	24036	56.11	27.00	83.11	48.3%					47.8%								47.8%
89.67 - 84.67	15908	8127	24036	56.11	27.00	83.11	52.9%					52.3%								52.3%
84.67 - 80.83	15908	8127	24036	56.11	27.00	83.11	56.8%					55.9%								55.9%
80.83 - 80.33	22710	10233	32943	63.18	27.00	90.18	47.5%					46.4%								46.4%
80.33 - 80.08	22710	6621	29331	63.18	18.00	81.18	53.7%					47.7%								
80.08 - 75.08	22710	6621	29331	63.18	18.00	81.18	58.2%					51.7%								
75.08 - 70.08	22710	6621	29331	63.18	18.00	81.18	62.9%					55.9%								
70.08 - 69.5	22710	6621	29331	63.18	18.00	81.18	63.5%					56.4%								
69.5 - 69.25	22710	12688	35398	63.18	36.00	99.18	52.7%					46.8%								50.8%
69.25 - 64.25	22710	12688	35398	63.18	36.00	99.18	56.9%					50.6%								54.6%
64.25 - 60.58	22710	12688	35398	63.18	36.00	99.18	60.1%					53.4%								57.6%
60.58 - 60.33	31217	11364	42581	70.24	24.38	94.62	56.4%				49.1%									
60.33 - 55.33	31217	11364	42581	70.24	24.38	94.62	60.6%				52.7%									
55.33 - 52.17	31217	11364	42581	70.24	24.38	94.62	63.2%				55.0%									
52.17 - 51.92	31219	19812	51030	70.24	48.38	118.62	52.9%				45.7%									45.0%
51.92 - 46.92	31219	19812	51030	70.24	48.38	118.62	56.5%				48.8%									48.0%
46.92 - 41.92	31219	19812	51030	70.24	48.38	118.62	60.2%				52.0%									51.2%
41.92 - 40.23	41363	7892	49255	93.46	18.00	111.46	62.0%			55.9%										
40.23 - 39.98	41363	7892	49255	93.46	18.00	111.46	62.2%			56.0%										
39.98 - 34.98	41363	7892	49255	93.46	18.00	111.46	66.1%			59.5%										
34.98 - 29.98	41363	7892	49255	93.46	18.00	111.46	70.0%			63.1%										
29.98 - 28	41363	7892	49255	93.46	18.00	111.46	71.6%			64.5%										
28 - 27.75	41368	17587	58955	93.46	42.00	135.46	60.3%			53.0%						53.2%				
27.75 - 22.75	41368	17587	58955	93.46	42.00	135.46	63.7%			56.1%						56.3%				
22.75 - 20.08	41368	17587	58955	93.46	42.00	135.46	65.6%			57.7%						57.9%				
20.08 - 19.83	51381	n/a	51381	116.58	n/a	116.58	73.2%													
19.83 - 17	51381	n/a	51381	116.58	n/a	116.58	75.5%													
17 - 16.75	51383	8145	59528	116.58	24.00	140.58	65.4%									57.5%				
16.75 - 11.65	51395	9920	61315	116.58	27.00	143.58	67.3%							67.1%		60.2%				
11.65 - 11.42	51395	9920	61315	116.58	27.00	143.58	67.5%							67.2%		60.3%				
11.42 - 9.4	51395	9920	61315	116.58	27.00	143.58	68.8%							68.6%		61.5%				
9.4 - 9.15	51382	13787	65169	116.58	33.00	149.58	64.5%	67.9%						68.5%		58.5%				
9.15 - 4.83	51382	13787	65169	116.58	33.00	149.58	67.2%	70.8%						71.4%		61.0%				
4.83 - 4.58	51446	9839	61284	116.58	30.00	146.58	73.1%	71.2%						63.6%						
4.58 - 0	51446	9839	61284	116.58	30.00	146.58	76.3%	74.3%						66.4%						

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

Monopole Flange Plate Connection

Elevation = 181.583 ft.

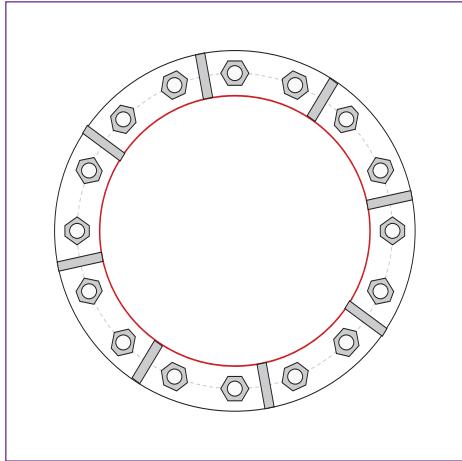


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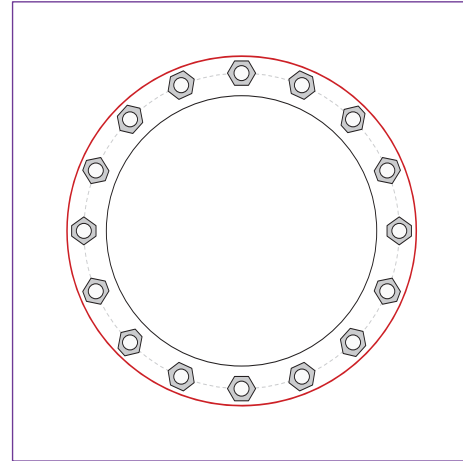
Applied Loads	
Moment (kip-ft)	7.83
Axial Force (kips)	1.35
Shear Force (kips)	0.94

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(16) 1" \emptyset bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 21" BC

Top Plate Data

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

Top Stiffener Data

(8) 5"H x 3"W x 0.625"T, Notch: 0.75"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

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

Bottom Plate Data

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

Bottom Stiffener Data

N/A

Bottom Pole Data

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

Analysis Results

Bolt Capacity

Max Load (kips)	1.03
Allowable (kips)	54.54
Stress Rating:	1.8%

Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Top Stiffener Capacity

Horizontal Weld:	Piroad OK
Vertical Weld:	Piroad OK
Plate Flexure+Shear:	Piroad OK
Plate Tension+Shear:	Piroad OK
Plate Compression:	Piroad OK

Top Pole Capacity

Punching Shear:	Piroad OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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Monopole Flange Plate Connection

Elevation = 141.417 ft.

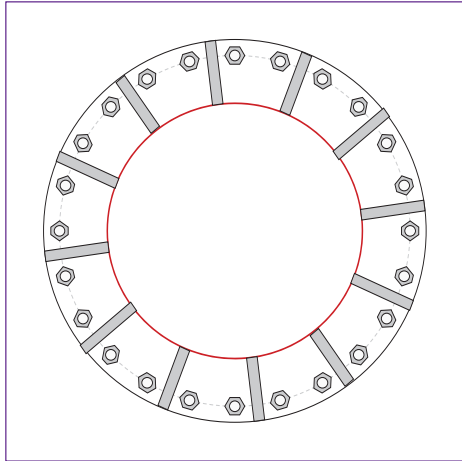


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Site Name	Newington_1
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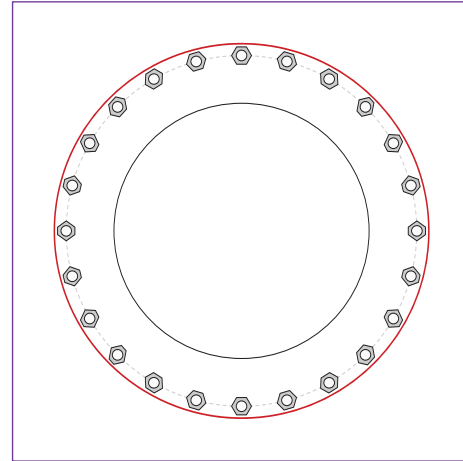
Applied Loads	
Moment (kip-ft)	451.12
Axial Force (kips)	22.67
Shear Force (kips)	18.89

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 1" \emptyset 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

(12) 8"H x 6"W x 1"T, Notch: 1"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

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

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

Analysis Results

Bolt Capacity

Max Load (kips)	26.39
Allowable (kips)	54.53
Stress Rating:	46.1% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Top Stiffener Capacity

Horizontal Weld:	Piroad OK
Vertical Weld:	Piroad OK
Plate Flexure+Shear:	Piroad OK
Plate Tension+Shear:	Piroad OK
Plate Compression:	Piroad OK

Top Pole Capacity

Punching Shear:	Piroad OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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MORRISON HERSHFIELD

Flange Connection Force Distribution

Site Data		
Site ID:	826217	
Site Name:	Newington_1	
Order ID:	589572 Rev. 0	

Flange Connection Data		
Number of Bolts:	28	
Flange Bolt Diameter:	1	in
Bolt Circle:	39.00	in
Area of Bolt:	0.79	in ²
Moment of Inertia:	4181.07	in ⁴

Jump Plates (Configuration #1)		
Number of Bridge Stiffeners:	3	
Bridge Stiffener Width:	4.5	in
Bridge Stiffener Thickness:	1.00	in
Bolt Circle of Bridge Stiffener:	44.00	in
Area of Stiffener:	4.50	in ²
Moment of Inertia:	3267.00	in ⁴

Reactions		
Mu:	855.93	kips-ft
Axial, Pu:	28.81	kip
Shear, Vu:	21.25	kip
Elevation:	121.167	ft

Forces on Flange Bolts		
Moment:	480.49	kips-ft
Axial:	17.85	kip
Shear:	21.25	kip

Forces on Bridge Stiffener #1		
Moment:	375.44	kips-ft
Axial:	10.96	kip

Monopole Flange Plate Connection

Elevation = 121.167 ft.

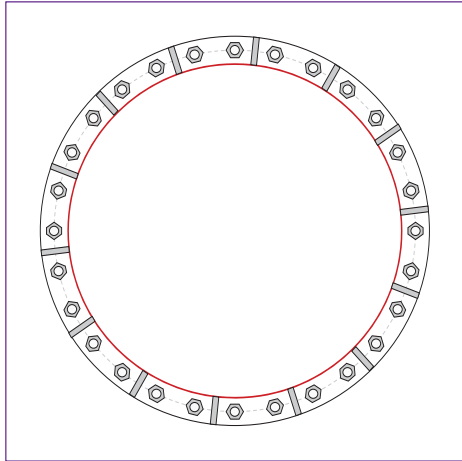


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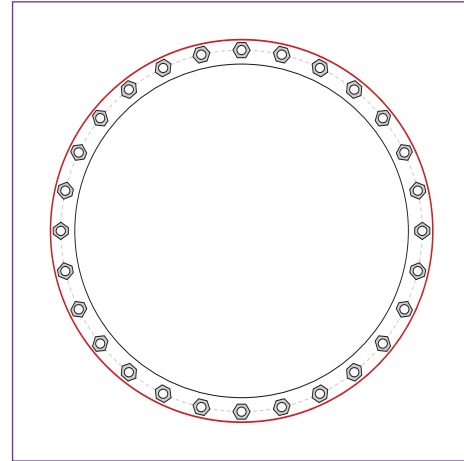
Applied Loads	
Moment (kip-ft)	480.49
Axial Force (kips)	17.85
Shear Force (kips)	21.25

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(28) 1" \emptyset 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

(14) 5"H x 3"W x 0.625"T, Notch: 0.75"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

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)	20.48
Allowable (kips)	54.53
Stress Rating:	35.8% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirot OK
Tension Side Stress Rating:	Pirot OK

Top Stiffener Capacity

Horizontal Weld:	Pirot OK
Vertical Weld:	Pirot OK
Plate Flexure+Shear:	Pirot OK
Plate Tension+Shear:	Pirot OK
Plate Compression:	Pirot OK

Top Pole Capacity

Punching Shear:	Pirot OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirot OK
Tension Side Stress Rating:	Pirot OK

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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MORRISON HERSHFIELD

Flange Connection Force Distribution

Site Data

Site ID:	826217
Site Name:	Newington_1
Order ID:	589572 Rev. 0

Flange Connection Data

Number of Bolts:	32	
Flange Bolt Diameter:	1	in
Bolt Circle:	45.00	in
Area of Bolt:	0.79	in ²
Moment of Inertia:	6361.73	in ⁴

Jump Plates (Configuration #1)

Number of Bridge Stiffeners:	6	
Bridge Stiffener Width:	4.5	in
Bridge Stiffener Thickness:	1.00	in
Bolt Circle of Bridge Stiffener:	49.00	in
Area of Stiffener:	4.50	in ²
Moment of Inertia:	8103.38	in ⁴

Reactions

Mu:	1383.3	kips-ft
Axial, Pu:	40.04	kip
Shear, Vu:	29.07	kip
Elevation:	100.917	ft

Forces on Flange Bolts

Moment:	608.37	kips-ft
Axial:	19.30	kip
Shear:	29.07	kip

Forces on Bridge Stiffener #1

Moment:	774.93	kips-ft
Axial:	20.74	kip

Monopole Flange Plate Connection

Elevation = 100.917 ft.

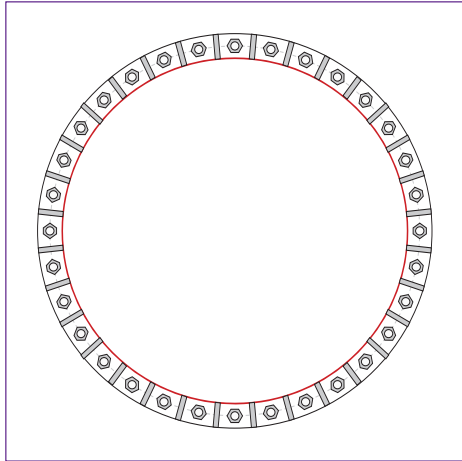


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Site Name	Newington_1
Order #	589572 Rev. 0
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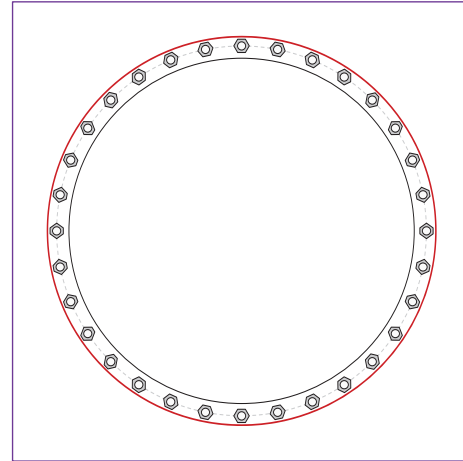
Applied Loads	
Moment (kip-ft)	608.37
Axial Force (kips)	19.30
Shear Force (kips)	29.07

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(32) 1" \emptyset 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

(32) 5"H x 3"W x 0.625"T, Notch: 0.75"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

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)	19.67
Allowable (kips)	54.52
Stress Rating:	34.4% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Top Stiffener Capacity

Horizontal Weld:	Piroad OK
Vertical Weld:	Piroad OK
Plate Flexure+Shear:	Piroad OK
Plate Tension+Shear:	Piroad OK
Plate Compression:	Piroad OK

Top Pole Capacity

Punching Shear:	Piroad OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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MORRISON HERSHFIELD

Flange Connection Force Distribution

Site Data	
Site ID:	826217
Site Name:	Newington_1
Order ID:	589572 Rev. 0

Flange Connection Data		
Number of Bolts:	36	
Flange Bolt Diameter:	1	in
Bolt Circle:	51.00	in
Area of Bolt:	0.79	in ²
Moment of Inertia:	9192.69	in ⁴

Jump Plates (Configuration #1)		
Number of Bridge Stiffeners:	3	
Bridge Stiffener Width:	4.5	in
Bridge Stiffener Thickness:	1.00	in
Bolt Circle of Bridge Stiffener:	55.00	in
Area of Stiffener:	4.50	in ²
Moment of Inertia:	5104.69	in ⁴

Jump Plates (Configuration #2)		
Number of Bridge Stiffeners:	3	
Bridge Stiffener Width:	6.5	in
Bridge Stiffener Thickness:	1.25	in
Bolt Circle of Bridge Stiffener:	55.13	in
Area of Stiffener:	8.13	in ²
Moment of Inertia:	9259.07	in ⁴

Reactions		
Mu:	2019.59	kips-ft
Axial, Pu:	50.59	kip
Shear, Vu:	34.37	kip
Elevation:	80.833	ft

Forces on Flange Bolts		
Moment:	788.13	kips-ft
Axial:	21.62	kip
Shear:	34.37	kip

Forces on Bridge Stiffener #1		
Moment:	437.65	kips-ft
Axial:	10.32	kip

Forces on Bridge Stiffener #2		
Moment:	793.82	kips-ft
Axial:	18.64	kip

Monopole Flange Plate Connection

Elevation = 80.833 ft.

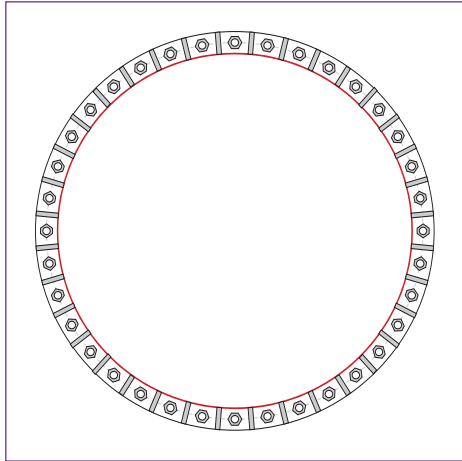


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Site Name	Newington_1
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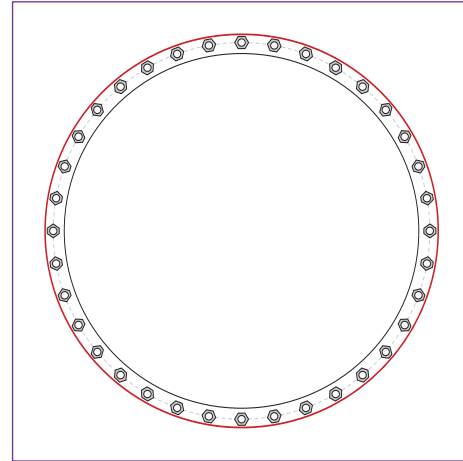
Applied Loads	
Moment (kip-ft)	788.13
Axial Force (kips)	21.62
Shear Force (kips)	34.37

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(36) 1" \emptyset 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

(36) 5"H x 3"W x 0.625"T, Notch: 0.75"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

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)	20.00
Allowable (kips)	54.52
Stress Rating:	34.9% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Top Stiffener Capacity

Horizontal Weld:	Piroad OK
Vertical Weld:	Piroad OK
Plate Flexure+Shear:	Piroad OK
Plate Tension+Shear:	Piroad OK
Plate Compression:	Piroad OK

Top Pole Capacity

Punching Shear:	Piroad OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Piroad OK
Tension Side Stress Rating:	Piroad OK

Bottom Stiffener Capacity

Horizontal Weld:	N/A
Vertical Weld:	N/A
Plate Flexure+Shear:	N/A
Plate Tension+Shear:	N/A
Plate Compression:	N/A

Bottom Pole Capacity

Punching Shear:	N/A
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MORRISON HERSHFIELD

Flange Connection Force Distribution

Site Data

Site ID:	826217
Site Name:	Newington_1
Order ID:	589572 Rev. 0

Flange Connection Data

Number of Bolts:	48	
Flange Bolt Diameter:	1	in
Bolt Circle:	57.00	in
Area of Bolt:	0.79	in ²
Moment of Inertia:	15310.55	in ⁴

Jump Plates (Configuration #1)

Number of Bridge Stiffeners:	4	
Bridge Stiffener Width:	4.5	in
Bridge Stiffener Thickness:	1.00	in
Bolt Circle of Bridge Stiffener:	61.00	in
Area of Stiffener:	4.50	in ²
Moment of Inertia:	8372.25	in ⁴

Jump Plates (Configuration #2)

Number of Bridge Stiffeners:	6	
Bridge Stiffener Width:	8.5	in
Bridge Stiffener Thickness:	1.25	in
Bolt Circle of Bridge Stiffener:	63.50	in
Area of Stiffener:	10.63	in ²
Moment of Inertia:	32131.99	in ⁴

Reactions

Mu:	2773.34	kips-ft
Axial, Pu:	69.11	kip
Shear, Vu:	40.27	kip
Elevation:	60.583	ft

Forces on Flange Bolts

Moment:	760.75	kips-ft
Axial:	21.81	kip
Shear:	40.27	kip

Forces on Bridge Stiffener #1

Moment:	416.00	kips-ft
Axial:	10.41	kip

Forces on Bridge Stiffener #2

Moment:	1596.58	kips-ft
Axial:	36.88	kip

Monopole Flange Plate Connection

Elevation = 60.583 ft.

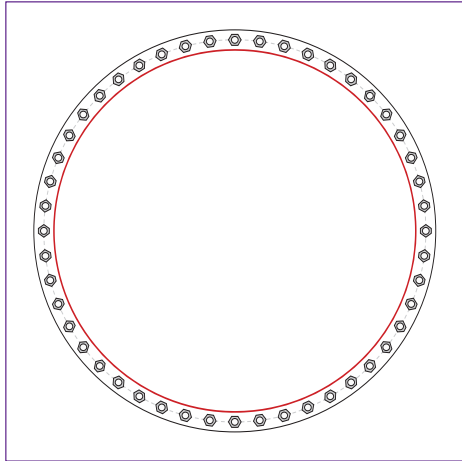


BU #	826217
Site Name	Newington_1
Order #	589572 Rev. 0
TIA-222 Revision	H

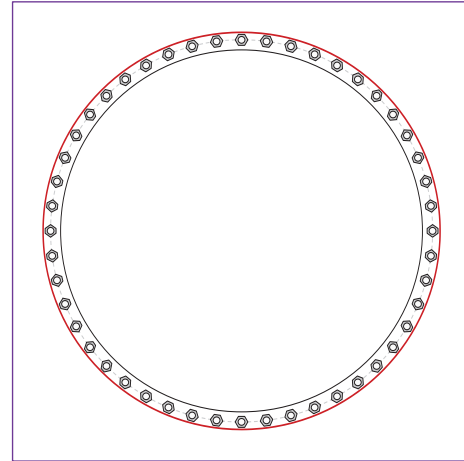
Applied Loads	
Moment (kip-ft)	760.75
Axial Force (kips)	21.81
Shear Force (kips)	40.27

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(48) 1" \emptyset 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)	12.89
Allowable (kips)	54.52
Stress Rating:	22.5% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK



MORRISON HERSHFIELD

Flange Connection Force Distribution

Site Data	
Site ID:	826217
Site Name:	Newington_1
Order ID:	589572 Rev. 0

Flange Connection (Bolt Circle 1)		
Number of Bolts:	32	
Flange Bolt Diameter:	1.25	in
Bolt Circle:	47.00	in
Area of Bolt:	1.23	in ²
Moment of Inertia:	10843.40	in ⁴

Flange Connection (Bolt Circle 2)		
Number of Bolts:	32	
Flange Bolt Diameter:	1.25	in
Bolt Circle:	53.00	in
Area of Bolt:	1.23	in
Moment of Inertia:	13788.65	in ²

Jump Plates (Configuration #1)		
Number of Bridge Stiffeners:	6	
Bridge Stiffener Width:	1.25	in
Bridge Stiffener Thickness:	6.50	in
Bolt Circle of Bridge Stiffener:	63.75	in
Area of Stiffener:	8.13	in ²
Moment of Inertia:	24765.38	in ⁴

Jump Plates (Configuration #2)		
Number of Bridge Stiffeners:	4	
Bridge Stiffener Width:	1	in
Bridge Stiffener Thickness:	6.00	in
Bolt Circle of Bridge Stiffener:	63.50	in
Area of Stiffener:	6.00	in ²

Reactions		
Mu:	3642.75	kips-ft
Axial, Pu:	83.32	kip
Shear, Vu:	45.18	kip
Elevation:	40.333	ft

Forces on Flange Bolts		
Moment:	642.33	kips-ft
Axial:	21.63	kip
Shear:	45.18	kip

Forces on Bridge Stiffener #1		
Moment:	816.80	kips-ft
Axial:	21.63	kip

Forces on Bridge Stiffener #2		
Moment:	1467.03	kips-ft
Axial:	26.85	kip

Forces on Bridge Stiffener #3		
Moment:	716.58	kips-ft

Monopole Flange Plate Connection

Elevation = 40.333 ft.

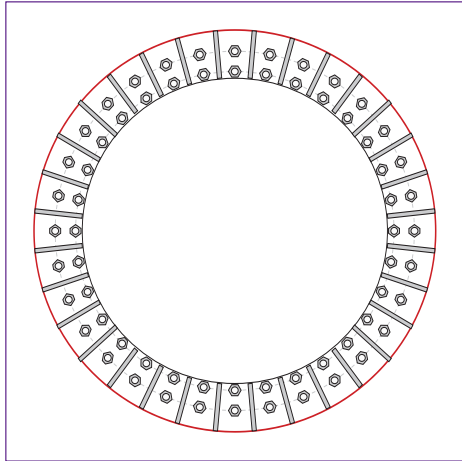


BU #	826217
Site Name	Newington_1
Order #	589572 Rev. 0
TIA-222 Revision	H

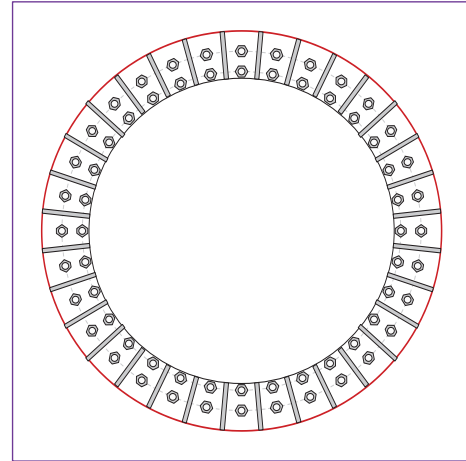
Applied Loads	
Moment (kip-ft)	642.33
Axial Force (kips)	21.63
Shear Force (kips)	45.18

*TIA-222-H Section 15.5 Applied

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

- GROUP 1: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 53" BC
- GROUP 2: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

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

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

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

Bottom Plate Data

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

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Bottom Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	9.50
Allowable (kips)	54.50
Stress Rating:	16.6% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Top Stiffener Capacity

Horizontal Weld:	Pirod OK
Vertical Weld:	Pirod OK
Plate Flexure+Shear:	Pirod OK
Plate Tension+Shear:	Pirod OK
Plate Compression:	Pirod OK

Top Pole Capacity

Punching Shear:	Pirod OK
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Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Bottom Stiffener Capacity

Horizontal Weld:	Pirod OK
Vertical Weld:	Pirod OK
Plate Flexure+Shear:	Pirod OK
Plate Tension+Shear:	Pirod OK
Plate Compression:	Pirod OK

Bottom Pole Capacity

Punching Shear:	Pirod OK
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Elevation (ft) 40.333 (Flange)

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	No
2	No	No	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Ecc Factor, eL	W (in)	Thread Type	Area Override, in ²	Tension Only
1	1	0	0.5	A325	53	0.0	0	N-Included		No
2	1	11.25	1	A325	53	0.0	0	N-Included		No
3	1	22.5	1	A325	53	0.0	0	N-Included		No
4	1	33.75	1	A325	53	0.0	0	N-Included		No
5	1	45	1	A325	53	0.0	0	N-Included		No
6	1	56.25	1	A325	53	0.0	0	N-Included		No
7	1	67.5	1	A325	53	0.0	0	N-Included		No
8	1	78.75	1	A325	53	0.0	0	N-Included		No
9	1	90	1	A325	53	0.0	0	N-Included		No
10	1	101.25	1	A325	53	0.0	0	N-Included		No
11	1	112.5	1	A325	53	0.0	0	N-Included		No
12	1	123.75	1	A325	53	0.0	0	N-Included		No
13	1	135	1	A325	53	0.0	0	N-Included		No
14	1	146.25	1	A325	53	0.0	0	N-Included		No
15	1	157.5	1	A325	53	0.0	0	N-Included		No
16	1	168.75	1	A325	53	0.0	0	N-Included		No
17	1	180	1	A325	53	0.0	0	N-Included		No
18	1	191.25	1	A325	53	0.0	0	N-Included		No
19	1	202.5	1	A325	53	0.0	0	N-Included		No
20	1	213.75	1	A325	53	0.0	0	N-Included		No
21	1	225	1	A325	53	0.0	0	N-Included		No
22	1	236.25	1	A325	53	0.0	0	N-Included		No
23	1	247.5	1	A325	53	0.0	0	N-Included		No
24	1	258.75	1	A325	53	0.0	0	N-Included		No
25	1	270	1	A325	53	0.0	0	N-Included		No
26	1	281.25	1	A325	53	0.0	0	N-Included		No
27	1	292.5	1	A325	53	0.0	0	N-Included		No
28	1	303.75	1	A325	53	0.0	0	N-Included		No
29	1	315	1	A325	53	0.0	0	N-Included		No
30	1	326.25	1	A325	53	0.0	0	N-Included		No
31	1	337.5	1	A325	53	0.0	0	N-Included		No
32	1	348.75	1	A325	53	0.0	0	N-Included		No
33	2	0	0.5	A325	47	0.0	0	N-Included		No
34	2	11.25	1	A325	47	0.0	0	N-Included		No
35	2	22.5	1	A325	47	0.0	0	N-Included		No
36	2	33.75	1	A325	47	0.0	0	N-Included		No
37	2	45	1	A325	47	0.0	0	N-Included		No
38	2	56.25	1	A325	47	0.0	0	N-Included		No
39	2	67.5	1	A325	47	0.0	0	N-Included		No
40	2	78.75	1	A325	47	0.0	0	N-Included		No
41	2	90	1	A325	47	0.0	0	N-Included		No
42	2	101.25	1	A325	47	0.0	0	N-Included		No
43	2	112.5	1	A325	47	0.0	0	N-Included		No
44	2	123.75	1	A325	47	0.0	0	N-Included		No
45	2	135	1	A325	47	0.0	0	N-Included		No
46	2	146.25	1	A325	47	0.0	0	N-Included		No
47	2	157.5	1	A325	47	0.0	0	N-Included		No
48	2	168.75	1	A325	47	0.0	0	N-Included		No
49	2	180	1	A325	47	0.0	0	N-Included		No
50	2	191.25	1	A325	47	0.0	0	N-Included		No
51	2	202.5	1	A325	47	0.0	0	N-Included		No
52	2	213.75	1	A325	47	0.0	0	N-Included		No
53	2	225	1	A325	47	0.0	0	N-Included		No
54	2	236.25	1	A325	47	0.0	0	N-Included		No
55	2	247.5	1	A325	47	0.0	0	N-Included		No
56	2	258.75	1	A325	47	0.0	0	N-Included		No
57	2	270	1	A325	47	0.0	0	N-Included		No
58	2	281.25	1	A325	47	0.0	0	N-Included		No
59	2	292.5	1	A325	47	0.0	0	N-Included		No
60	2	303.75	1	A325	47	0.0	0	N-Included		No
61	2	315	1	A325	47	0.0	0	N-Included		No
62	2	326.25	1	A325	47	0.0	0	N-Included		No
63	2	337.5	1	A325	47	0.0	0	N-Included		No
64	2	348.75	1	A325	47	0.0	0	N-Included		No

Custom Stiffener Connection - Top Plate

Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
2	16.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
3	28.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
4	39.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
5	50.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
6	61.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
7	73.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
8	84.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
9	95.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
10	106.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
11	118.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
12	129.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
13	140.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
14	151.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
15	163.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
16	174.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
17	185.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
18	196.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
19	208.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
20	219.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
21	230.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
22	241.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
23	253.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
24	264.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
25	275.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
26	286.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
27	298.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
28	309.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
29	320.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
30	331.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
31	343.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
32	354.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70

Custom Stiffener Connection - Bottom Plate

Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
2	16.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
3	28.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
4	39.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
5	50.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
6	61.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
7	73.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
8	84.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
9	95.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
10	106.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
11	118.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
12	129.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
13	140.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
14	151.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
15	163.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
16	174.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
17	185.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
18	196.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
19	208.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
20	219.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
21	230.625	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
22	241.875	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
23	253.125	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
24	264.375	7	10	0.625	0.5	0.5	36	Filler			0.3125	0.3125	70
25	275.625	7	10										



MORRISON HERSHFIELD

Flange Connection Force Distribution

Site Data		
Site ID:	826217	
Site Name:	Newington_1	
Order ID:	589572 Rev. 0	

Flange Connection (Bolt Circle 1)		
Number of Bolts:	32	
Flange Bolt Diameter:	1.25	in
Bolt Circle:	47.00	in
Area of Bolt:	1.23	in ²
Moment of Inertia:	10843.40	in ⁴

Flange Connection (Bolt Circle 2)		
Number of Bolts:	32	
Flange Bolt Diameter:	1.25	in
Bolt Circle:	53.00	in
Area of Bolt:	1.23	in
Moment of Inertia:	13788.65	in ²

Jump Plates (Configuration #1)		
Number of Bridge Stiffeners:	6	
Bridge Stiffener Width:	1.25	in
Bridge Stiffener Thickness:	6.50	in
Bolt Circle of Bridge Stiffener:	63.75	in
Area of Stiffener:	8.13	in ²
Moment of Inertia:	24765.38	in ⁴

Jump Plates (Configuration #2)		
Number of Bridge Stiffeners:	4	
Bridge Stiffener Width:	1	in
Bridge Stiffener Thickness:	6.00	in
Bolt Circle of Bridge Stiffener:	63.50	in
Area of Stiffener:	6.00	in ²

Reactions		
Mu:	4597.27	kips-ft
Axial, Pu:	96.36	kip
Shear, Vu:	49.59	kip
Elevation:	20.083	ft

Forces on Flange Bolts		
Moment:	810.65	kips-ft
Axial:	25.01	kip
Shear:	49.59	kip

Forces on Bridge Stiffener #1		
Moment:	1030.83	kips-ft
Axial:	25.01	kip

Forces on Bridge Stiffener #2		
Moment:	1851.45	kips-ft
Axial:	31.05	kip

Forces on Bridge Stiffener #3		
Moment:	904.35	kips-ft

Monopole Flange Plate Connection

Elevation = 20.083 ft.

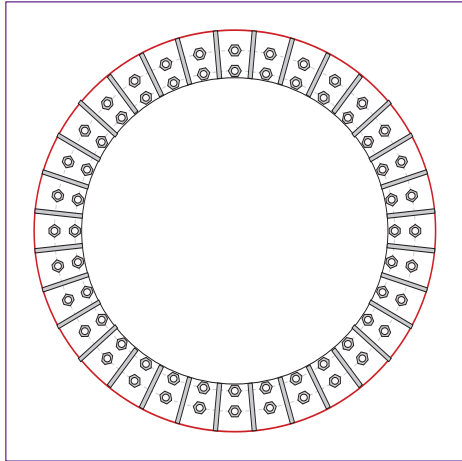


BU #	826217
Site Name	Newington_1
Order #	589572 Rev. 0
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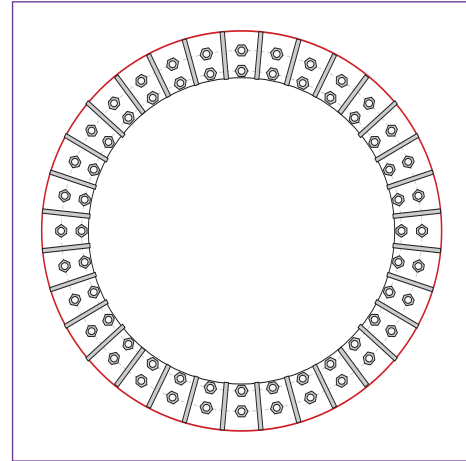
Applied Loads	
Moment (kip-ft)	810.65
Axial Force (kips)	25.01
Shear Force (kips)	49.59

*TIA-222-H Section 15.5 Applied

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

- GROUP 1: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 53" BC
- GROUP 2: (32) 1" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

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

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Top Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

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

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.3125" fillet
 vert. weld: 0.3125" fillet

Bottom Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	12.06
Allowable (kips)	54.49
Stress Rating:	21.1% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Top Stiffener Capacity

Horizontal Weld:	Pirod OK
Vertical Weld:	Pirod OK
Plate Flexure+Shear:	Pirod OK
Plate Tension+Shear:	Pirod OK
Plate Compression:	Pirod OK

Top Pole Capacity

Punching Shear:	Pirod OK
-----------------	-----------------

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirod OK
Tension Side Stress Rating:	Pirod OK

Bottom Stiffener Capacity

Horizontal Weld:	Pirod OK
Vertical Weld:	Pirod OK
Plate Flexure+Shear:	Pirod OK
Plate Tension+Shear:	Pirod OK
Plate Compression:	Pirod OK

Bottom Pole Capacity

Punching Shear:	Pirod OK
-----------------	-----------------

Monopole Base Plate Connection

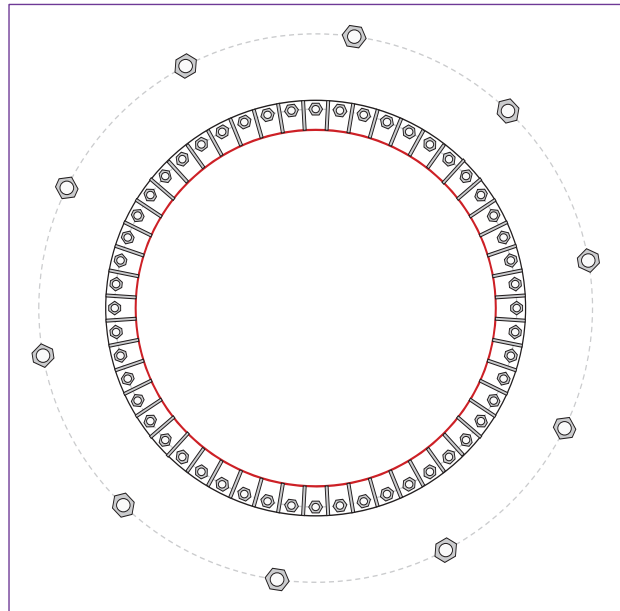


Site Info	
BU #	826217
Site Name	Newington_1
Order #	589572 Rev. 0

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

Applied Loads	
Moment (kip-ft)	5626.67
Axial Force (kips)	113.15
Shear Force (kips)	52.77

*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
-----------------------	------------------

Anchor Rod Data
GROUP 1: (52) 1-1/4" ϕ bolts (A687 N; $F_y=105$ ksi, $F_u=125$ ksi) on 67" BC
GROUP 2: (10) 2-1/4" ϕ bolts (A687 N; $F_y=105$ ksi, $F_u=125$ ksi) on 92.3" BC

Base Plate Data
70" OD x 1.25" Plate (A36; $F_y=36$ ksi, $F_u=58$ ksi)

Stiffener Data
(52) 6"H x 5"W x 0.5"T, Notch: 0.5"
plate: $F_y=36$ ksi ; weld: $F_y=70$ ksi
horiz. weld: 0.3125" fillet
vert. weld: 0.3125" fillet

Pole Data
60" x 0.625" round pole (A53-B-42; $F_y=42$ ksi, $F_u=63$ ksi)

Anchor Rod Summary	(units of kips, kip-in)	
GROUP 1:		
$P_u_t = 33.53$	$\phi P_n_t = 90.84$	Stress Rating
$V_u = 0.62$	$\phi V_n = 57.52$	35.1%
$M_u = n/a$	$\phi M_n = n/a$	Pass
GROUP 2:		
$P_u_t = 156.58$	$\phi P_n_t = 304.69$	Stress Rating
$V_u = 2.07$	$\phi V_n = 186.38$	48.9%
$M_u = n/a$	$\phi M_n = n/a$	Pass
Base Plate Summary		
Max Stress (ksi):	-	
Allowable Stress (ksi):	-	
Stress Rating:	Pi rod OK	
Stiffener Summary		
Horizontal Weld:	Pi rod OK	
Vertical Weld:	Pi rod OK	
Plate Flexure+Shear:	Pi rod OK	
Plate Tension+Shear:	Pi rod OK	
Plate Compression:	Pi rod OK	
Pole Summary		
Punching Shear:	Pi rod OK	

Pier and Pad Foundation



BU #:	826217
Site Name:	Newington_1
App. Number:	589572 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	<input type="checkbox"/>
Block Foundation?:	<input type="checkbox"/>
Rectangular Pad?:	<input type="checkbox"/>

Superstructure Analysis Reactions		
Compression, P_{comp} :	113.16	kips
Base Shear, V_u_{comp} :	52.74	kips
Moment, M_u :	4426.67	ft-kips
Tower Height, H :	191.67	ft
BP Dist. Above Fdn, bp_{dist} :	2.5	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	335.39	52.74	15.0%	Pass
Bearing Pressure (ksf)	12.00	5.22	43.5%	Pass
Overturing (kip*ft)	6446.48	4938.69	76.6%	Pass
Pier Flexure (Comp.) (kip*ft)	5695.51	4795.85	80.2%	Pass
Pier Compression (kip)	24494.62	161.65	0.6%	Pass
Pad Flexure (kip*ft)	4887.26	2488.99	48.5%	Pass
Pad Shear - 1-way (kips)	580.76	448.15	73.5%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	0.0%	Pass
Flexural 2-way (Comp) (kip*ft)	6892.45	2877.51	39.8%	Pass

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, $dpier$:	7	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	9	
Pier Rebar Quantity, mc :	34	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	11	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

*Rating per TIA-222-H Section 15.5

Structural Rating*:	80.2%
Soil Rating*:	76.6%

Pad Properties		
Depth, D :	9	ft
Pad Width, W_1 :	20.5	ft
Pad Thickness, T :	2.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	30	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	130	pcf
Ultimate Gross Bearing, Q_{ult} :	16.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	36	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.35	
Neglected Depth, N :	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

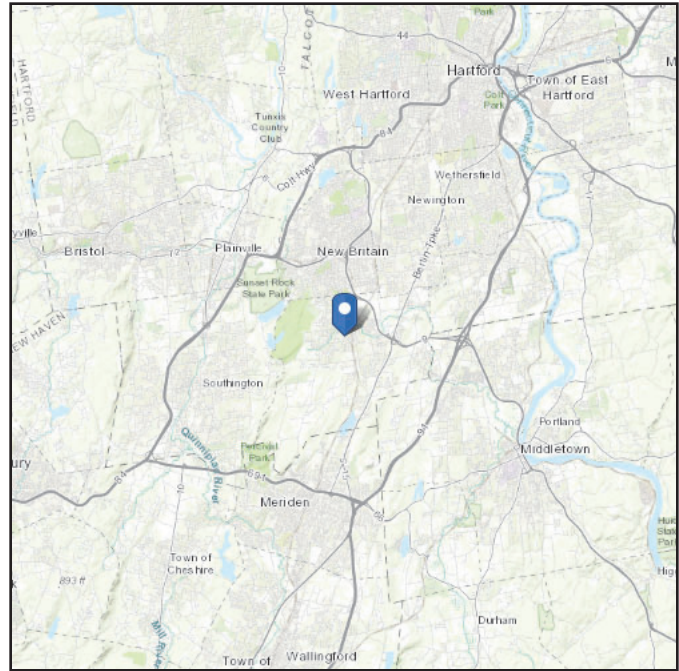
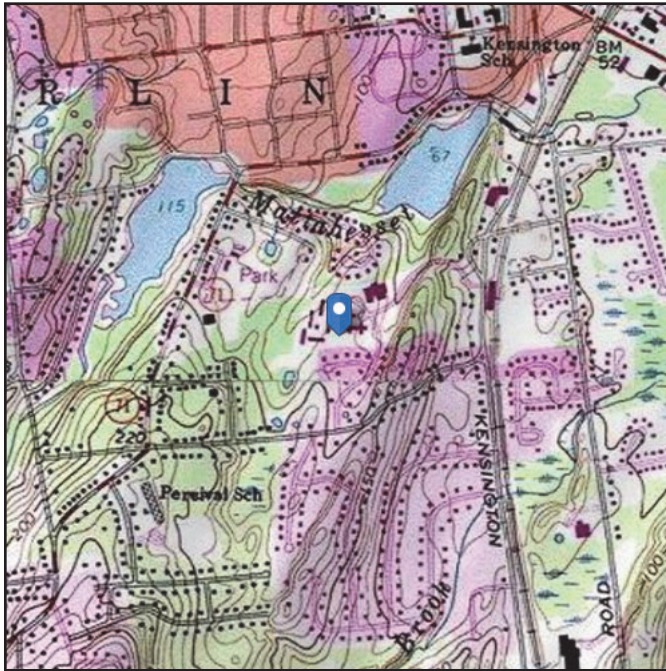
<-- Toggle between Gross and Net

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 0 ft (NAVD 88)
Latitude: 41.626194
Longitude: -72.775647



Wind

Results:

Wind Speed:	118 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Wed Oct 06 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

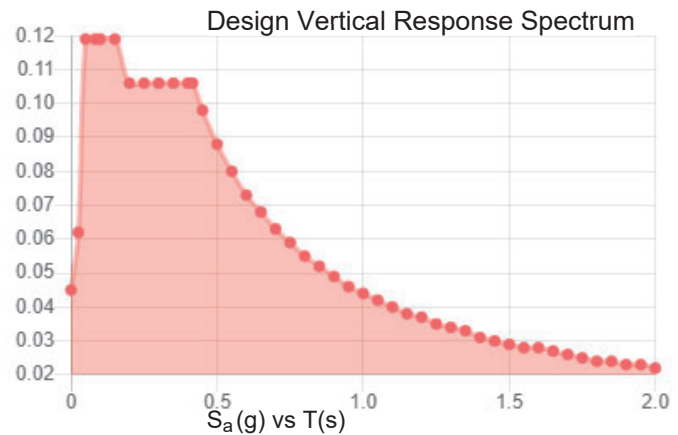
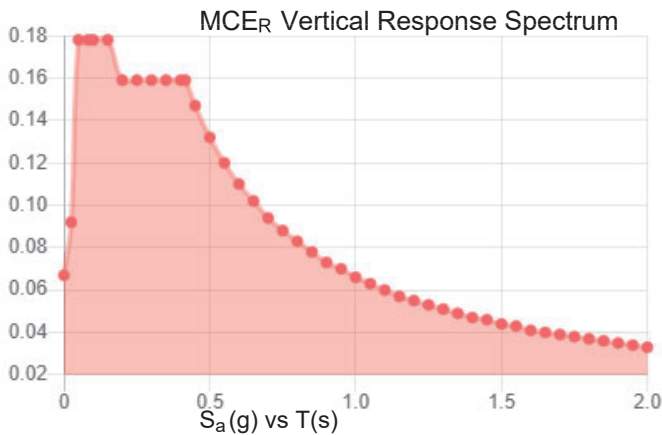
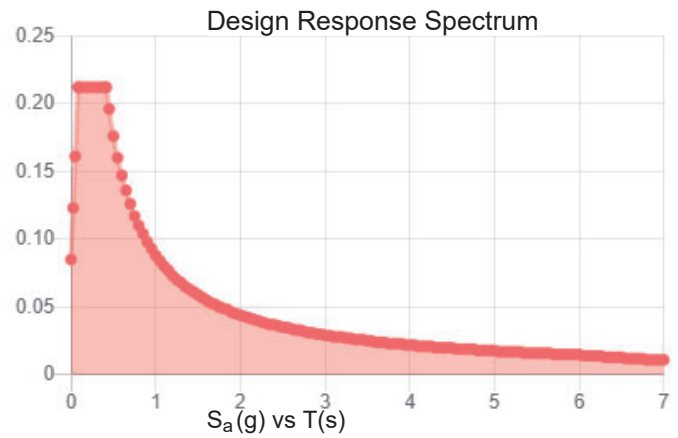
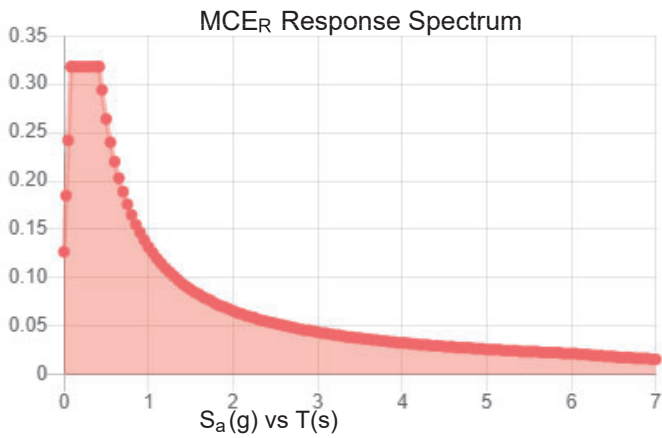
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.199	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.109
F_v :	2.4	PGA _M :	0.173
S_{MS} :	0.318	F_{PGA} :	1.582
S_{M1} :	0.132	I_e :	1
S_{DS} :	0.212	C_v :	0.7

Seismic Design Category B



Data Accessed:

Wed Oct 06 2021

Date Source:

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

Ice

Results:

Ice Thickness: 1.50 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Wed Oct 06 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 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

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

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

Exhibit E

Mount Analysis



Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10100417
Maser Consulting Connecticut Project #: 21781038A

September 7, 2021

Site Information

Site ID: 535818-VZW / BERLIN KENSINGTON CT
Site Name: BERLIN KENSINGTON CT
Carrier Name: Verizon Wireless
Address: 240 Kensington Road
Berlin, Connecticut 06037
Hartford County
Latitude: 41.626194°
Longitude: -72.775647°

Structure Information

Tower Type: 185-Ft Monopole
Mount Type: 13.00-Ft Platform

FUZE ID # 16241850

Analysis Results

Platform: 50.7% 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

For additional questions and support, please reach out to:

pmisupport@colliersengineering.com

Report Prepared By: Andy Hanes



Digitally signed by Derek Hartzell
Date: 2021.09.07 08:15:48-0700'

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
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 674839, dated August 26, 2021</i>
<i>Mount Mapping Report</i>	<i>Hudson Design Group, LLC, Site ID: 535818, dated June 16, 2021</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut, Project #: 21781038A, dated September 1, 2021</i>
<i>Modification Drawings</i>	<i>Maser Consulting Connecticut, Project #: 21781038A, dated September 7, 2021</i>

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: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.995
Seismic Parameters:	S_s : 0.199 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
158.00	160.00	3	Samsung	MT6407-77A	Added
		6	Commscope	NNHH-65B-R4	Retained
		1	Andrew	HBXX-6517DS-A2M	
		2	Andrew	LNx-6514DS-A1M	
		2	Raycap	RRFDC-3315-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection Check	50.7 %	Pass
Standoff	18.0 %	Pass
Crossmember	15.0 %	Pass
Crossmember Plate	30.0 %	Pass
Corner Plate	23.0 %	Pass
Face Horizontal	15.0 %	Pass
Mount Pipe	33.0 %	Pass
MOD Support Rail	19.0 %	Pass
MOD Corner Angle	40.0 %	Pass
MOD Kicker	15.0 %	Pass

Structure Rating – (Controlling Utilization of all Components)	50.7%
---	--------------

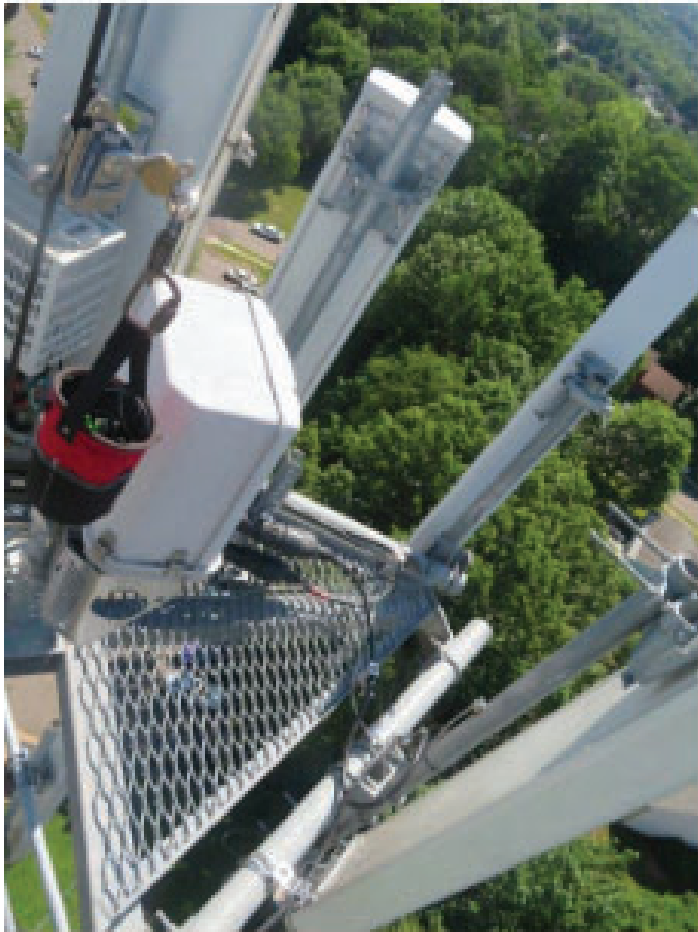
Recommendation:

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. Mount Mapping Report (for reference only)
3. Analysis Calculations
- 4. Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter





Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Crown	Mapping Date:	6/16/2021
Site Name:	BERLIN KENSINGTON CT	Tower Type:	Monopole
Site Number or ID:	535818	Tower Height (Ft.):	185
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	161.2

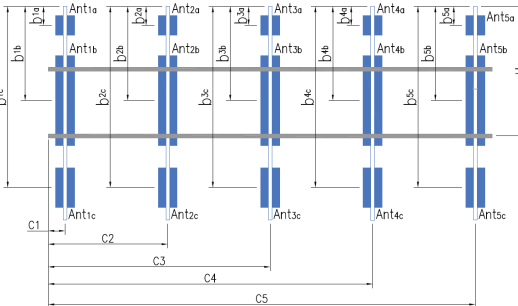
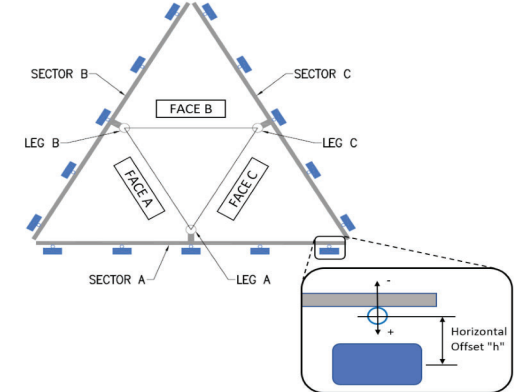
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Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	44.00	35.00	C1	2" STD. PIPE X 72" LONG	44.00	35.00
A2	2" STD. PIPE X 84" LONG	53.00	88.00	C2	2" STD. PIPE X 84" LONG	53.00	88.00
A3	2" STD. PIPE X 84" LONG	53.00	118.00	C3	2" STD. PIPE X 84" LONG	53.00	118.00
A4	2" STD. PIPE X 72" LONG	36.00	152.00	C4	2" STD. PIPE X 72" LONG	36.00	152.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	44.00	35.00	D1			
B2	2" STD. PIPE X 84" LONG	53.00	88.00	D2			
B3	2" STD. PIPE X 84" LONG	53.00	118.00	D3			
B4	2" STD. PIPE X 72" LONG	36.00	152.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :		
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.):		
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.):		2.5
Please enter additional information or comments below.		
Tower Face Width at Mount Elev. (ft.):		24.8
Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):		0.375
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.		

Ants. Items	Enter antenna model. If not labeled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ,..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	
Sector A									
Ant _{1a}	RFV01U-D1A	16.00	12.00	16.00		162.117	33.00	-10.00	127,132
Ant _{1b}	NNHH-65B-R4-V1	20.00	8.00	72.00		161.617	39.00	9.50	32,130
Ant _{1c}									
Ant _{2a}	RFV01U-D2A	16.00	10.00	16.00		162.867	33.00	-9.00	127,133
Ant _{2b}	NNHH-65B-R4-V1	20.00	8.00	72.00		162.367	39.00	9.50	33,131
Ant _{2c}									
Ant _{3a}									
Ant _{3b}	LNX-8513DS-A1M	12.00	8.00	72.00		163.2	29.00	8.00	34,138
Ant _{3c}									
Ant _{4a}									
Ant _{4b}	HBX-6517-DS-VTM	7.00	3.50	74.00		162.283	23.00	6.00	34,124
Ant _{4c}									
Ant _{5a}									
Ant _{5b}									
Ant _{5c}									
Ant on Standoff									
Ant on Standoff									
Ant on Tower									
Ant on Tower									



Antenna Layout (Looking Out From Tower)

Observed Safety and Structural Issues During the Mount Mapping

Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System

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

Mapping Notes

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

Standard Conditions

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



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

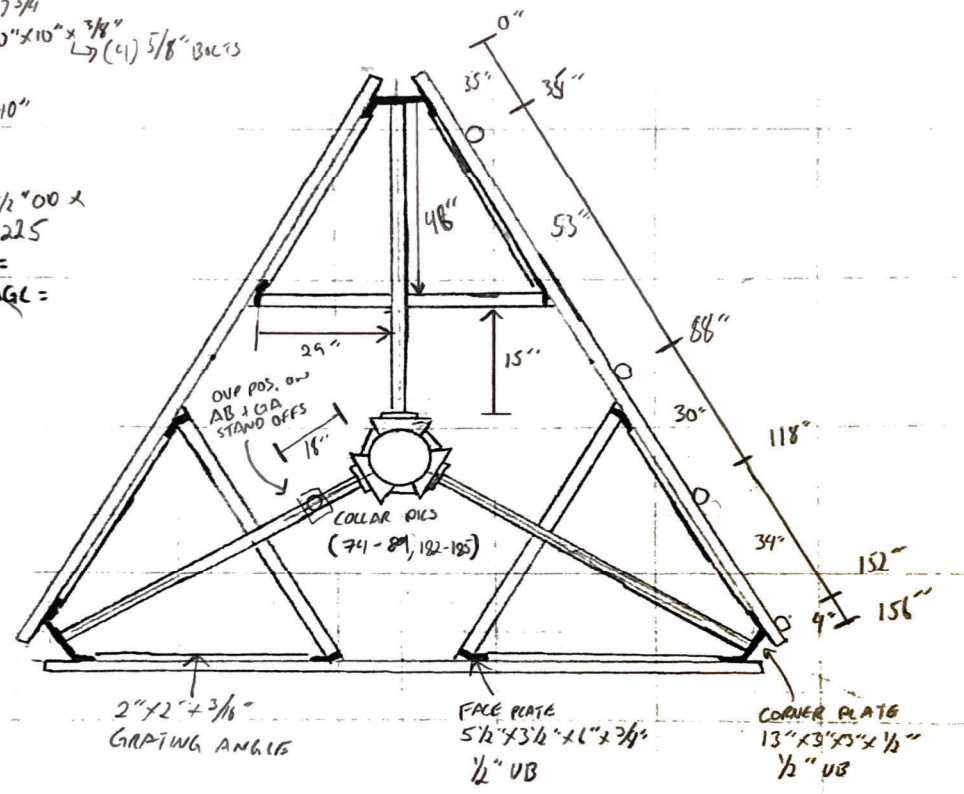
Tower Owner:	Crown	Mapping Date:	6/16/2021
Site Name:	BERLIN KENSINGTON CT	Tower Type:	Monopole
Site Number or ID:	535818	Tower Height (FT.):	185
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (FT.):	161.2

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Please Insert Sketches of the Antenna Mount

TOT = 190-185
 MOUNT CL = 161'2"
 TOWER D = 25"
 ↳ WALL = .402"
 COLLAR = 10" x
 - T ROD = (27 3/4)"
 - PLATE = 10" x 10" x 3/8" ↳ (C1) 5/8" BOLTS
 HSS = 4" x 4"
 ↳ WALL = .210"
 T-F = 37"
 T-A = 69"
 FACE PIPE = 3 1/2" O.D. x
 ↳ WALL = .225"
 ANT MASTS =
 TOP OF MAST AGL =

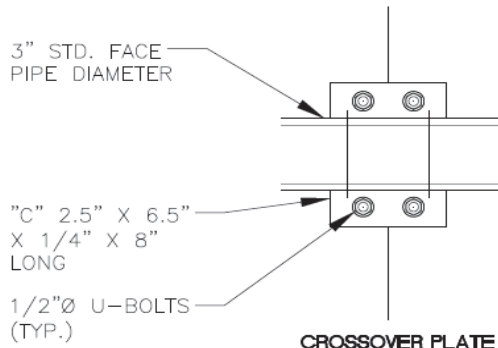
BERLIN KENSINGTON CT
 0616 2021
 TD



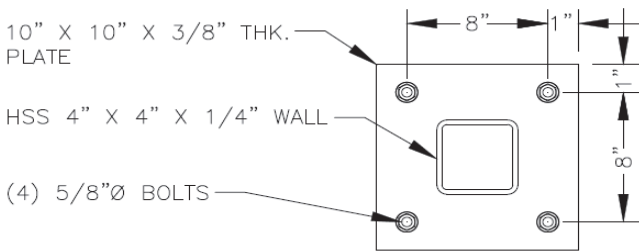
CROSS PLATES
 P 1, 3, 4 PMS (103-106)
 6 1/2" x 2 1/2" x 8" x 1/4"
 1/2" UB
 P2 PMS (152-154)
 5" x 10" x 3/8"
 1/2" UB
 157B



DETAIL J
APEX 'A' PLATE DETAIL

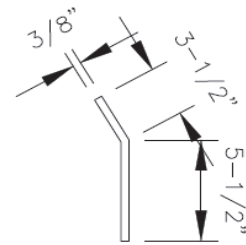


CROSSOVER PLATE DETAIL



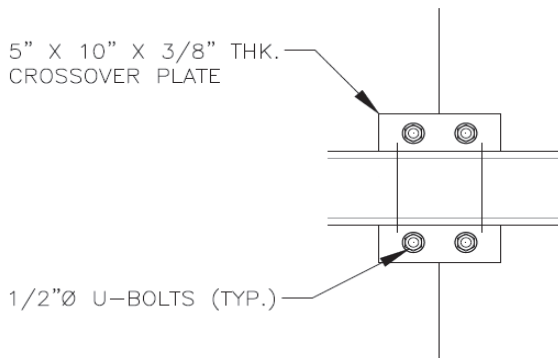
STANDOFF TO RING MOUNT CONNECTION

DETAIL M

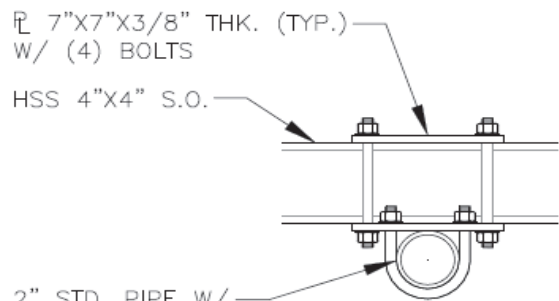


DETAIL K

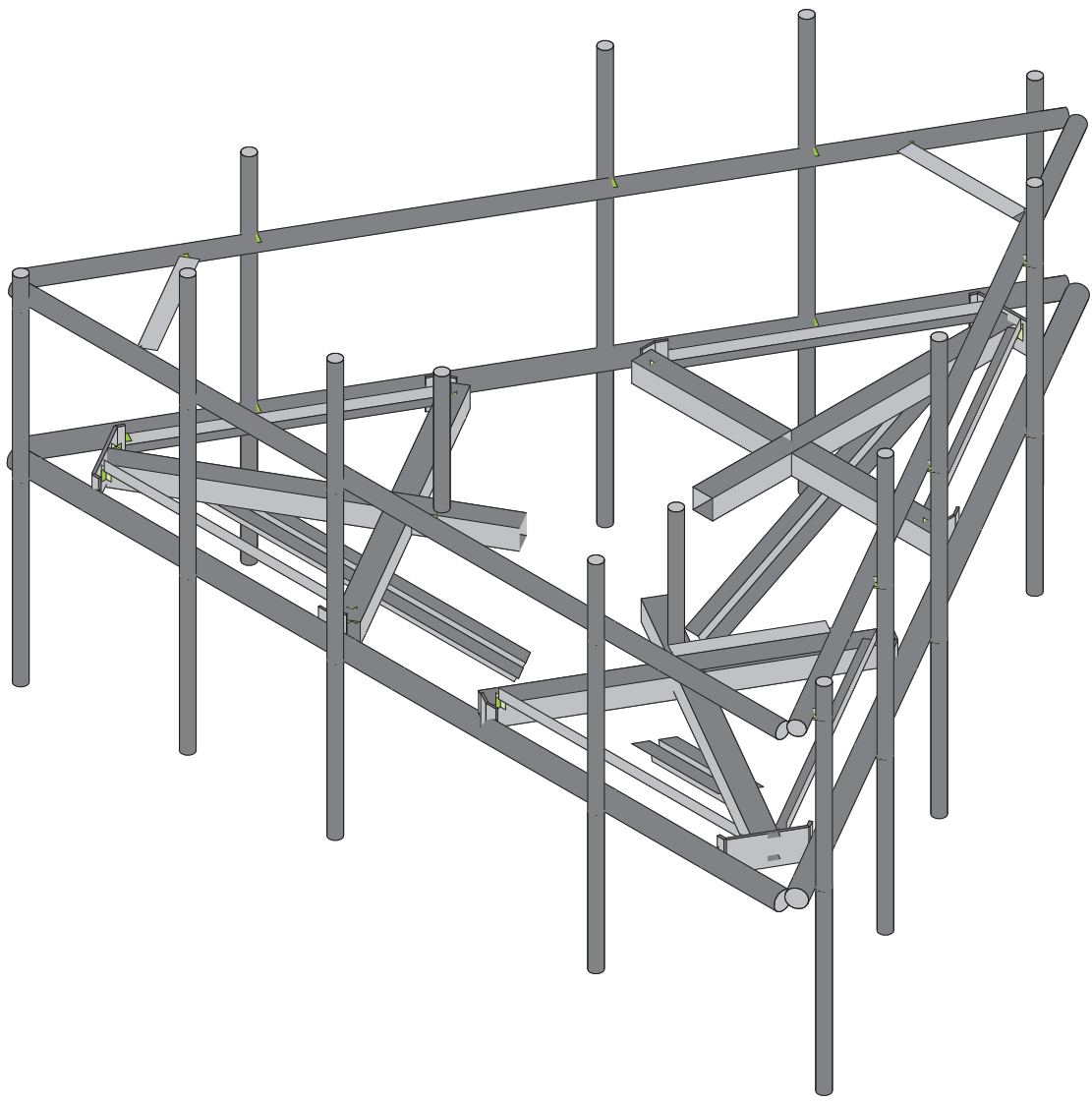
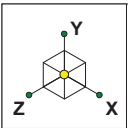
'B' PLATE DETAIL



CROSSOVER PLATE DETAIL



S.O. MOUNT DETAIL

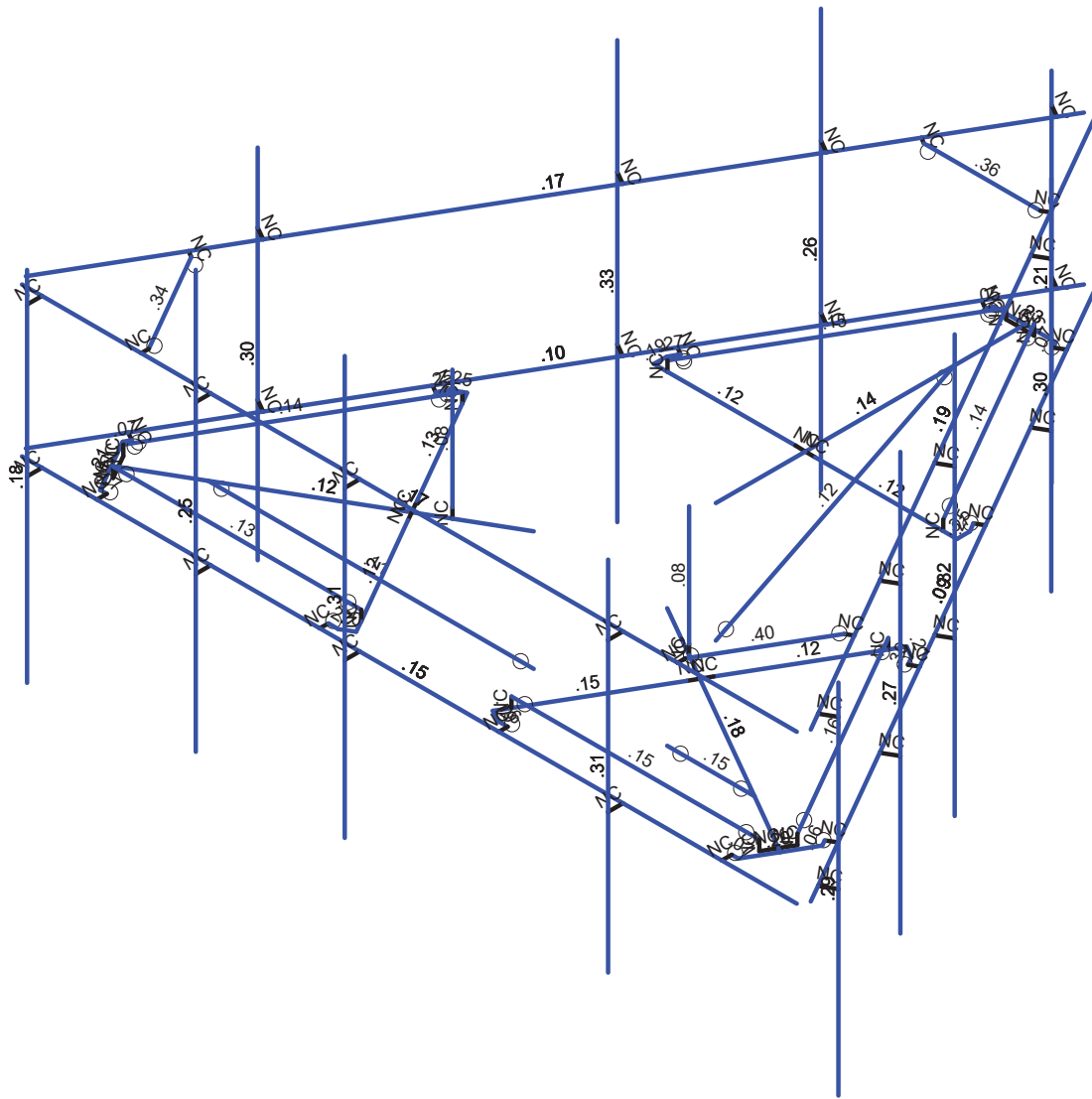
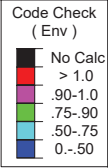
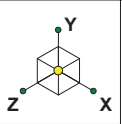


Envelope Only Solution

Maser Consulting
AJH

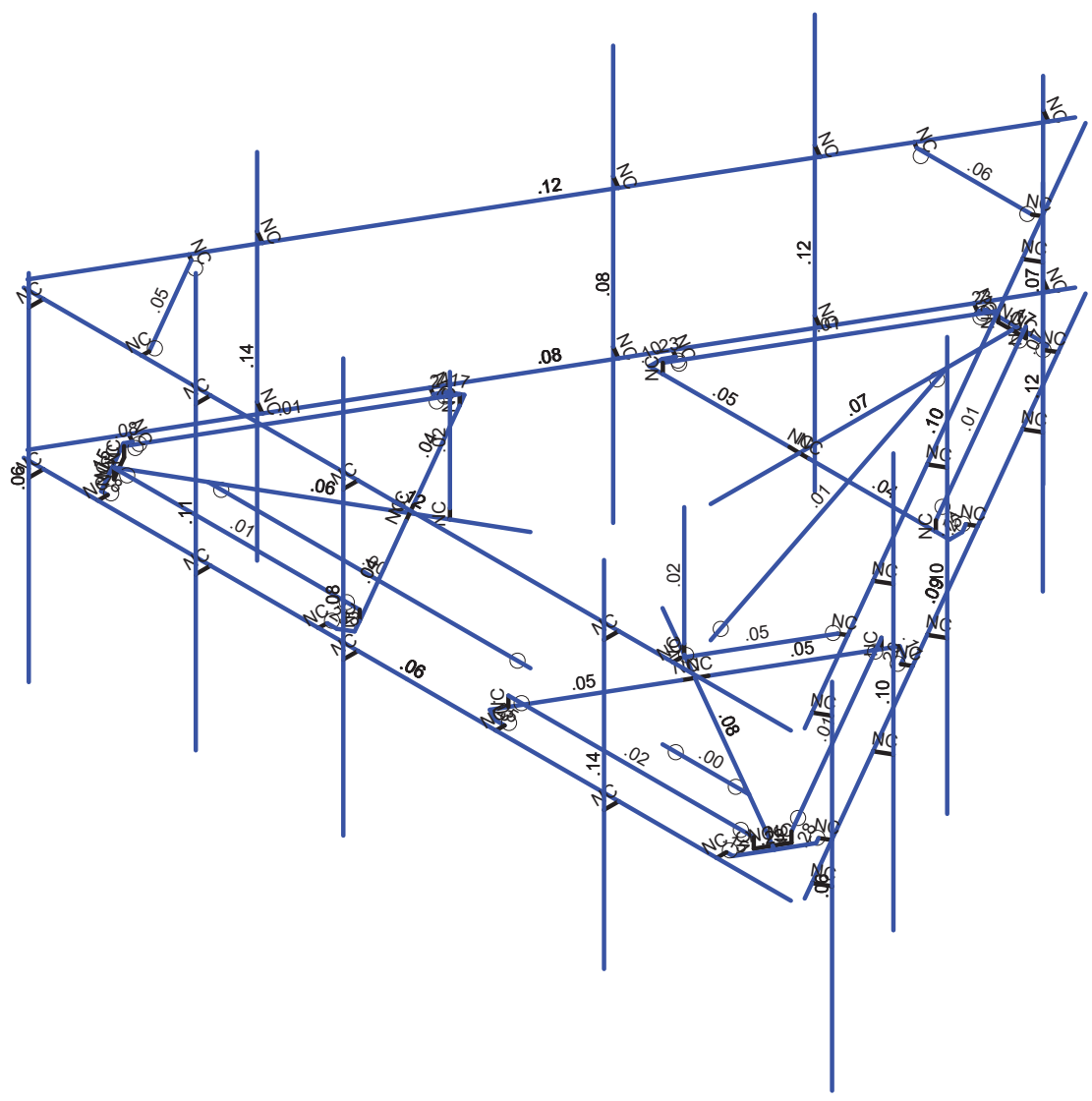
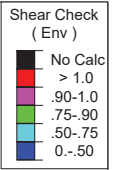
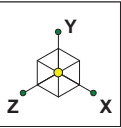
535818-VZW_MT_LO_H

SK - 1
Sept 3, 2021 at 12:48 PM
535818-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	535818-VZW_MT_LO_H	SK - 2
AJH		Sept 3, 2021 at 12:48 PM
		535818-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting
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535818-VZW_MT_LO_H

SK - 3
Sept 3, 2021 at 12:49 PM
535818-VZW_MT_LO_H.r3d



Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					96		
2	Antenna Di	None					96		
3	Antenna Wo (0 Deg)	None					96		
4	Antenna Wo (30 Deg)	None					96		
5	Antenna Wo (60 Deg)	None					96		
6	Antenna Wo (90 Deg)	None					96		
7	Antenna Wo (120 Deg)	None					96		
8	Antenna Wo (150 Deg)	None					96		
9	Antenna Wo (180 Deg)	None					96		
10	Antenna Wo (210 Deg)	None					96		
11	Antenna Wo (240 Deg)	None					96		
12	Antenna Wo (270 Deg)	None					96		
13	Antenna Wo (300 Deg)	None					96		
14	Antenna Wo (330 Deg)	None					96		
15	Antenna Wi (0 Deg)	None					96		
16	Antenna Wi (30 Deg)	None					96		
17	Antenna Wi (60 Deg)	None					96		
18	Antenna Wi (90 Deg)	None					96		
19	Antenna Wi (120 Deg)	None					96		
20	Antenna Wi (150 Deg)	None					96		
21	Antenna Wi (180 Deg)	None					96		
22	Antenna Wi (210 Deg)	None					96		
23	Antenna Wi (240 Deg)	None					96		
24	Antenna Wi (270 Deg)	None					96		
25	Antenna Wi (300 Deg)	None					96		
26	Antenna Wi (330 Deg)	None					96		
27	Antenna Wm (0 Deg)	None					96		
28	Antenna Wm (30 Deg)	None					96		
29	Antenna Wm (60 Deg)	None					96		
30	Antenna Wm (90 Deg)	None					96		
31	Antenna Wm (120 Deg)	None					96		
32	Antenna Wm (150 Deg)	None					96		
33	Antenna Wm (180 Deg)	None					96		
34	Antenna Wm (210 Deg)	None					96		
35	Antenna Wm (240 Deg)	None					96		
36	Antenna Wm (270 Deg)	None					96		
37	Antenna Wm (300 Deg)	None					96		
38	Antenna Wm (330 Deg)	None					96		
39	Structure D	None		-1					3
40	Structure Di	None						62	3
41	Structure Wo (0 Deg)	None						124	
42	Structure Wo (30 Deg)	None						124	
43	Structure Wo (60 Deg)	None						124	
44	Structure Wo (90 Deg)	None						124	
45	Structure Wo (120 D...	None						124	
46	Structure Wo (150 D...	None						124	
47	Structure Wo (180 D...	None						124	
48	Structure Wo (210 D...	None						124	
49	Structure Wo (240 D...	None						124	
50	Structure Wo (270 D...	None						124	
51	Structure Wo (300 D...	None						124	
52	Structure Wo (330 D...	None						124	
53	Structure Wi (0 Deg)	None						124	
54	Structure Wi (30 Deg)	None						124	
55	Structure Wi (60 Deg)	None						124	
56	Structure Wi (90 Deg)	None						124	



Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
57 Structure Wi (120 De...	None						124	
58 Structure Wi (150 De...	None						124	
59 Structure Wi (180 De...	None						124	
60 Structure Wi (210 De...	None						124	
61 Structure Wi (240 De...	None						124	
62 Structure Wi (270 De...	None						124	
63 Structure Wi (300 De...	None						124	
64 Structure Wi (330 De...	None						124	
65 Structure Wm (0 Deg)	None						124	
66 Structure Wm (30 De...	None						124	
67 Structure Wm (60 De...	None						124	
68 Structure Wm (90 De...	None						124	
69 Structure Wm (120 D...	None						124	
70 Structure Wm (150 D...	None						124	
71 Structure Wm (180 D...	None						124	
72 Structure Wm (210 D...	None						124	
73 Structure Wm (240 D...	None						124	
74 Structure Wm (270 D...	None						124	
75 Structure Wm (300 D...	None						124	
76 Structure Wm (330 D...	None						124	
77 Lm1	None					1		
78 Lm2	None					1		
79 Lv1	None					1		
80 Lv2	None					1		
81 BLC 39 Transient Are...	None						30	
82 BLC 40 Transient Are...	None						30	

Load Combinations

Description	Sol... P...	S...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	
1 1.2D+1.0Wo (0 D...	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 (120...	Yes	Y	1	1.2	39	1.2	7	1	45	1											
6 1.2D+1.0Wo (150...	Yes	Y	1	1.2	39	1.2	8	1	46	1											
7 1.2D+1.0Wo (180...	Yes	Y	1	1.2	39	1.2	9	1	47	1											
8 1.2D+1.0Wo (210...	Yes	Y	1	1.2	39	1.2	10	1	48	1											
9 1.2D+1.0Wo (240...	Yes	Y	1	1.2	39	1.2	11	1	49	1											
10 1.2D+1.0Wo (270...	Yes	Y	1	1.2	39	1.2	12	1	50	1											
11 1.2D+1.0Wo (300...	Yes	Y	1	1.2	39	1.2	13	1	51	1											
12 1.2D+1.0Wo (330...	Yes	Y	1	1.2	39	1.2	14	1	52	1											
13 1.2D + 1.0Di + 1...	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							
21 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1							
22 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1							
23 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1							
24 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1							
25 1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	27	1	65	1									
26 1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	28	1	66	1									



Load Combinations (Continued)

Description	Sol...	P...	S...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...
27	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	29	1	67	1
28	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	30	1	68	1
29	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1
30	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1
31	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1
32	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1
33	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1
34	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1
35	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1
36	1.2D + 1.5Lm1 + ...	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1
37	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1
38	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1
39	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1
40	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1
41	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1
42	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1
43	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1
44	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1
45	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1
46	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1
47	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1
48	1.2D + 1.5Lm2 + ...	Yes	Y	1	1.2	39	1.2	78	1.5	38	1	76	1
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39	1.2	79	1.5				
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39	1.2	80	1.5				
51	1.4D	Yes	Y	1	1.4	39	1.4						
52	Seismic Mass		Y	1	1	39	1						
53	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX		SY	1	SZ	-1
54	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866
55	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5
56	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	1	SY	1	SZ	
57	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	.5
58	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	.866
59	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX		SY	1	SZ	1
60	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866
61	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5
62	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-1	SY	1	SZ	
63	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5
64	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-1.291667	0	
2	N5	-2.541667	0	-2.791667	0	
3	N6	2.315104	0.166667	-2.791667	0	
4	N7	-2.315104	0.166667	-2.791667	0	
5	N24	-0.	0	-2.791667	0	
6	N27	-0.	0	-6.479167	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-2.791667	0	
9	N30	-2.315104	0	-2.791667	0	
10	N101	2.541667	0	-2.791667	0	
11	N102	-0.166667	0	-2.791667	0	
12	N103A	0.166667	0	-2.791667	0	
13	N104A	-2.541667	0	-3.010417	0	
14	N105	2.541667	0	-3.010417	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N131	2.458333	0	-3.154754	0	
16	N135	0.571615	0	-6.38219	0	
17	N144	-2.458333	0	-3.154754	0	
18	N148	-0.571615	0	-6.38219	0	
19	N86A	2.584629	0	-3.227671	0	
20	N86B	-2.584629	0	-3.227671	0	
21	N86C	-0.515625	0	-6.479167	0	
22	N87A	0.515625	0	-6.479167	0	
23	N86D	0.715429	0	-6.465221	0	
24	N86E	-0.715429	0	-6.465221	0	
25	N88A	-0.	0	-6.395833	0	
26	N87C	0.234238	0.166667	-6.395833	0	
27	N86G	0.234238	0	-6.395833	0	
28	N87B	-0.234238	0.166667	-6.395833	0	
29	N88C	-0.234238	0	-6.395833	0	
30	N30A	-1.118616	0	0.645833	0	
31	N31	-1.146821	0	3.596981	0	
32	N32	-3.575206	0.166667	-0.609106	0	
33	N33	-1.260102	0.166667	3.400772	0	
34	N34	-2.417654	0	1.395833	0	
35	N35	-5.611123	0	3.239583	0	
36	N37	-3.575206	0	-0.609106	0	
37	N38	-1.260102	0	3.400772	0	
38	N39	-3.688488	0	-0.805315	0	
39	N40	-2.334321	0	1.540171	0	
40	N41	-2.500988	0	1.251496	0	
41	N42	-1.336264	0	3.706356	0	
42	N43	-3.877931	0	-0.69594	0	
43	N44	-3.961264	0	-0.551602	0	
44	N45	-5.812946	0	2.696062	0	
45	N46	-1.502931	0	3.706356	0	
46	N47	-5.241331	0	3.686128	0	
47	N48	-4.08756	0	-0.624519	0	
48	N49	-1.502931	0	3.85219	0	
49	N50	-5.35331	0	3.686128	0	
50	N51	-5.868935	0	2.793039	0	
51	N52	-5.95676	0	2.613031	0	
52	N53	-5.241331	0	3.85219	0	
53	N54	-5.538954	0	3.197917	0	
54	N55	-5.656073	0.166667	2.995061	0	
55	N56	-5.656073	0	2.995061	0	
56	N57	-5.421835	0.166667	3.400772	0	
57	N58	-5.421835	0	3.400772	0	
58	N59	1.118616	0	0.645833	0	
59	N60	3.688488	0	-0.805315	0	
60	N61	1.260102	0.166667	3.400772	0	
61	N62	3.575206	0.166667	-0.609106	0	
62	N63	2.417654	0	1.395833	0	
63	N64	5.611123	0	3.239583	0	
64	N66	1.260102	0	3.400772	0	
65	N67	3.575206	0	-0.609106	0	
66	N68	1.146821	0	3.596981	0	
67	N69	2.500988	0	1.251496	0	
68	N70	2.334321	0	1.540171	0	
69	N71	3.877931	0	-0.69594	0	
70	N72	1.336264	0	3.706356	0	
71	N73	1.502931	0	3.706356	0	



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

Sept 3, 2021
 12:49 PM
 Checked By: _____

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N74	5.241331	0	3.686128	0	
73	N75	3.961264	0	-0.551602	0	
74	N76	5.812946	0	2.696062	0	
75	N77	1.502931	0	3.85219	0	
76	N78	4.08756	0	-0.624519	0	
77	N79	5.868935	0	2.793039	0	
78	N80	5.35331	0	3.686128	0	
79	N81	5.241331	0	3.85219	0	
80	N82	5.95676	0	2.613031	0	
81	N83	5.538954	0	3.197917	0	
82	N84	5.421835	0.166667	3.400772	0	
83	N85	5.421835	0	3.400772	0	
84	N86	5.656073	0.166667	2.995061	0	
85	N87	5.656073	0	2.995061	0	
86	N86F	0.	0	3.85219	0	
87	N87D	6.5	0	3.85219	0	
88	N88	-6.5	0	3.85219	0	
89	N90	0.086094	0	-7.55526	0	
90	N91	6.586094	0	3.70307	0	
91	N93	-6.586094	0	3.70307	0	
92	N94	-0.086094	0	-7.55526	0	
93	N93A	3.583333	0	3.85219	0	
94	N94A	-0.833333	0	3.85219	0	
95	N95	-3.333333	0	3.85219	0	
96	N96	-6.166667	0	3.85219	0	
97	N97	3.583333	0	4.10219	0	
98	N98	-0.833333	0	4.10219	0	
99	N99	-3.333333	0	4.10219	0	
100	N100	-6.166667	0	4.10219	0	
101	N101A	3.583333	3.666667	4.10219	0	
102	N102A	3.583333	-2.333333	4.10219	0	
103	N103	-0.833333	4.416667	4.10219	0	
104	N104	-3.333333	4.416667	4.10219	0	
105	N105A	-0.833333	-2.583333	4.10219	0	
106	N106	-3.333333	-2.583333	4.10219	0	
107	N107	-6.166667	3	4.10219	0	
108	N108	-6.166667	-3	4.10219	0	
109	N110	1.544428	0	-5.029353	0	
110	N111	3.752761	0	-1.204407	0	
111	N112	5.002761	0	0.960656	0	
112	N113	6.419428	0	3.414395	0	
113	N114	1.760934	0	-5.154353	0	
114	N115	3.969267	0	-1.329407	0	
115	N116	5.219267	0	0.835656	0	
116	N117	6.635934	0	3.289395	0	
117	N118	1.760934	3.666667	-5.154353	0	
118	N119	1.760934	-2.333333	-5.154353	0	
119	N120	3.969267	4.416667	-1.329407	0	
120	N121	5.219267	4.416667	0.835656	0	
121	N122	3.969267	-2.583333	-1.329407	0	
122	N123	5.219267	-2.583333	0.835656	0	
123	N124	6.635934	3	3.289395	0	
124	N125	6.635934	-3	3.289395	0	
125	N127	-5.127761	0	1.177163	0	
126	N128	-2.919428	0	-2.647783	0	
127	N129	-1.669428	0	-4.812846	0	
128	N130	-0.252761	0	-7.266585	0	



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

Sept 3, 2021
 12:49 PM
 Checked By: _____

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131A	-5.344267	0	1.052163	0	
130	N132	-3.135934	0	-2.772783	0	
131	N133	-1.885934	0	-4.937846	0	
132	N134	-0.469267	0	-7.391585	0	
133	N135A	-5.344267	3.666667	1.052163	0	
134	N136	-5.344267	-2.333333	1.052163	0	
135	N137	-3.135934	4.416667	-2.772783	0	
136	N138	-1.885934	4.416667	-4.937846	0	
137	N139	-3.135934	-2.583333	-2.772783	0	
138	N140	-1.885934	-2.583333	-4.937846	0	
139	N141	-0.469267	3	-7.391585	0	
140	N142	-0.469267	-3	-7.391585	0	
141	N141A	1.984642	0	1.145833	0	
142	N142A	1.984642	0.166667	1.145833	0	
143	N143	1.984642	2.166667	1.145833	0	
144	N145	-1.984642	0	1.145833	0	
145	N146	-1.984642	0.166667	1.145833	0	
146	N147	-1.984642	2.166667	1.145833	0	
147	N147A	6.5	2.5	3.85219	0	
148	N148A	-6.5	2.5	3.85219	0	
149	N149	0.086094	2.5	-7.55526	0	
150	N150	6.586094	2.5	3.70307	0	
151	N151	-6.586094	2.5	3.70307	0	
152	N152	-0.086094	2.5	-7.55526	0	
153	N153	3.583333	2.5	3.85219	0	
154	N154	-0.833333	2.5	3.85219	0	
155	N155	-3.333333	2.5	3.85219	0	
156	N156	-6.166667	2.5	3.85219	0	
157	N157	3.583333	2.5	4.10219	0	
158	N158	-0.833333	2.5	4.10219	0	
159	N159	-3.333333	2.5	4.10219	0	
160	N160	-6.166667	2.5	4.10219	0	
161	N161	1.544428	2.5	-5.029353	0	
162	N162	3.752761	2.5	-1.204407	0	
163	N163	5.002761	2.5	0.960656	0	
164	N164	6.419428	2.5	3.414395	0	
165	N165	1.760934	2.5	-5.154353	0	
166	N166	3.969267	2.5	-1.329407	0	
167	N167	5.219267	2.5	0.835656	0	
168	N168	6.635934	2.5	3.289395	0	
169	N169	-5.127761	2.5	1.177163	0	
170	N170	-2.919428	2.5	-2.647783	0	
171	N171	-1.669428	2.5	-4.812846	0	
172	N172	-0.252761	2.5	-7.266585	0	
173	N173	-5.344267	2.5	1.052163	0	
174	N174	-3.135934	2.5	-2.772783	0	
175	N175	-1.885934	2.5	-4.937846	0	
176	N176	-0.469267	2.5	-7.391585	0	
177	N177	-4.5	2.5	3.85219	0	
178	N178	4.5	2.5	3.85219	0	
179	N179	-4.5	2.5	3.72719	0	
180	N180	4.5	2.5	3.72719	0	
181	N182	5.586094	2.5	1.971019	0	
182	N183	1.086094	2.5	-5.823209	0	
183	N184	5.477841	2.5	2.033519	0	
184	N185	0.977841	2.5	-5.760709	0	
185	N187	-1.086094	2.5	-5.823209	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N188	-5.586094	2.5	1.971019	0	
187	N189	-0.977841	2.5	-5.760709	0	
188	N190	-5.477841	2.5	2.033519	0	
189	N189A	-0.	0	-5.291667	0	
190	N190A	-0.	-2	-1.291667	0	
191	N192	-4.582718	0	2.645833	0	
192	N193	-1.118616	-2	0.645833	0	
193	N195	4.582718	0	2.645833	0	
194	N196	1.118616	-2	0.645833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	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 Horiz...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cross...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Handrail	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Corner Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
10	Dual Antenna M...	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	MOD Support R...	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	MOD Corner An...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
13	MOD Kicker	LL3x3x3x6	Column	Double Angle (3/...	A36 Gr.36	Typical	2.18	4.97	1.9	.027

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	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Beam	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
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	RECT	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	RECT	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M25	N30A	N35			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M26	N39	N41			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M27	N40	N31			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M28	N50	N51			Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M29	N33	N38			RIGID	None	None	RIGID	Typical
30	M30	N32	N37			RIGID	None	None	RIGID	Typical
31	M31	N55	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N33	N57			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N40	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N41			RIGID	None	None	RIGID	Typical
36	M36	N39	N43			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
37	M37	N43	N44			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
38	M38	N44	N48			RIGID	None	None	RIGID	Typical
39	M39	N51	N45			Corner Plate	Beam	RECT	A36 Gr.36	Typical
40	M40	N45	N52			RIGID	None	None	RIGID	Typical
41	M41	N31	N42			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
42	M42	N42	N46			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
43	M43A	N46	N49			RIGID	None	None	RIGID	Typical
44	M44	N50	N47			Corner Plate	Beam	RECT	A36 Gr.36	Typical
45	M45	N47	N53			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54			RIGID	None	None	RIGID	Typical
47	M47	N54	N56			RIGID	None	None	RIGID	Typical
48	M48	N55	N56			RIGID	None	None	RIGID	Typical
49	M49	N59	N64			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M50A	N68	N70			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M51C	N69	N60			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M52A	N79	N80			Corner Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N62	N67			RIGID	None	None	RIGID	Typical
54	M54	N61	N66			RIGID	None	None	RIGID	Typical
55	M55	N84	N61			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N62	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N86	N87			RIGID	None	None	RIGID	Typical
58	M58A	N69	N63			RIGID	None	None	RIGID	Typical
59	M59A	N63	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	RECT	A36 Gr.36	Typical
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N60	N71			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
66	M66	N71	N75			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	RECT	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85			RIGID	None	None	RIGID	Typical
73	M73	N88	N87D			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N91	N90			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N94	N93			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N96	N100			RIGID	None	None	RIGID	Typical
77	M77A	N95	N99			RIGID	None	None	RIGID	Typical
78	M78	N94A	N98			RIGID	None	None	RIGID	Typical
79	M79A	N93A	N97			RIGID	None	None	RIGID	Typical
80	MP1A	N101A	N102A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP2A	N103	N105A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	MP3A	N104	N106			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	MP4A	N107	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N113	N117			RIGID	None	None	RIGID	Typical
85	M85A	N112	N116			RIGID	None	None	RIGID	Typical
86	M86	N111	N115			RIGID	None	None	RIGID	Typical
87	M87	N110	N114			RIGID	None	None	RIGID	Typical
88	MP1C	N118	N119			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP2C	N120	N122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP3C	N121	N123			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP4C	N124	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N130	N134			RIGID	None	None	RIGID	Typical
93	M93	N129	N133			RIGID	None	None	RIGID	Typical
94	M94	N128	N132			RIGID	None	None	RIGID	Typical
95	M95	N127	N131A			RIGID	None	None	RIGID	Typical
96	MP1B	N135A	N136			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP2B	N137	N139			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP3B	N138	N140			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP4B	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N142A	N141A			RIGID	None	None	RIGID	Typical
101	M101	N143	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N146	N145			RIGID	None	None	RIGID	Typical
103	M103	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	M104	N148A	N147A			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
105	M105	N150	N149			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
106	M106	N152	N151			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
107	M107	N156	N160			RIGID	None	None	RIGID	Typical
108	M108	N155	N159			RIGID	None	None	RIGID	Typical
109	M109	N154	N158			RIGID	None	None	RIGID	Typical
110	M110	N153	N157			RIGID	None	None	RIGID	Typical
111	M111	N164	N168			RIGID	None	None	RIGID	Typical
112	M112	N163	N167			RIGID	None	None	RIGID	Typical
113	M113	N162	N166			RIGID	None	None	RIGID	Typical
114	M114	N161	N165			RIGID	None	None	RIGID	Typical
115	M115	N172	N176			RIGID	None	None	RIGID	Typical
116	M116	N171	N175			RIGID	None	None	RIGID	Typical
117	M117	N170	N174			RIGID	None	None	RIGID	Typical
118	M118	N169	N173			RIGID	None	None	RIGID	Typical
119	M119	N177	N179			RIGID	None	None	RIGID	Typical
120	M120	N178	N180			RIGID	None	None	RIGID	Typical
121	M121	N182	N184			RIGID	None	None	RIGID	Typical
122	M122	N183	N185			RIGID	None	None	RIGID	Typical
123	M123	N187	N189			RIGID	None	None	RIGID	Typical
124	M124	N188	N190			RIGID	None	None	RIGID	Typical
125	M125	N179	N190		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
126	M126	N184	N180		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
127	M127	N189	N185		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
128	M128	N189A	N190A			MOD Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
129	M129	N192	N193			MOD Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
130	M130	N195	N196			MOD Kicker	Column	Double 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	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes				None
13	M77						Yes				None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes				None
18	M85						Yes				None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M25						Yes				None
26	M26						Yes	Default			None
27	M27						Yes	Default			None
28	M28						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31	OOOOOX	OOOOOX				Yes	Default			None
32	M32	OOOOOX	OOOOOX				Yes	Default			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes				None
37	M37						Yes				None
38	M38		BenPIN				Yes	** NA **			None
39	M39						Yes				None
40	M40		BenPIN				Yes	** NA **			None
41	M41						Yes				None
42	M42						Yes				None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes				None
45	M45		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						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...
50	M50A						Yes	Default			None
51	M51C						Yes	Default			None
52	M52A						Yes	Default			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55	OOOOOX	OOOOOX				Yes	Default			None
56	M56	OOOOOX	OOOOOX				Yes	Default			None
57	M57						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes				None
61	M61						Yes				None
62	M62		BenPIN				Yes	** NA **			None
63	M63						Yes				None
64	M64		BenPIN				Yes	** NA **			None
65	M65						Yes				None
66	M66						Yes				None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes				None
75	M75						Yes				None
76	M76A						Yes	** NA **			None
77	M77A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79A						Yes	** NA **			None
80	MP1A						Yes	** NA **			None
81	MP2A						Yes	** NA **			None
82	MP3A						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	M85A						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	MP1C						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	MP3C						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP1B						Yes	** NA **			None
97	MP2B						Yes	** NA **			None
98	MP3B						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes				None
105	M105						Yes				None
106	M106						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...
107	M107						Yes	** NA **			None
108	M108						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	OOOOOX					Yes	** NA **			None
124	M124	OOOOOX					Yes	** NA **			None
125	M125						Yes				None
126	M126						Yes				None
127	M127						Yes				None
128	M128	BenPIN	BenPIN				Yes	** NA **			None
129	M129	BenPIN	BenPIN				Yes	** NA **			None
130	M130	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	Y	-32	1
2	M103	My	0	1
3	M103	Mz	0	1
4	MP1A	Y	-38.7	.25
5	MP1A	My	-.019	.25
6	MP1A	Mz	0	.25
7	MP1A	Y	-38.7	5.25
8	MP1A	My	-.019	5.25
9	MP1A	Mz	0	5.25
10	MP2A	Y	-38.7	.25
11	MP2A	My	-.019	.25
12	MP2A	Mz	0	.25
13	MP2A	Y	-38.7	5.25
14	MP2A	My	-.019	5.25
15	MP2A	Mz	0	5.25
16	MP2B	Y	-38.7	.25
17	MP2B	My	.01	.25
18	MP2B	Mz	-.017	.25
19	MP2B	Y	-38.7	5.25
20	MP2B	My	.01	5.25
21	MP2B	Mz	-.017	5.25
22	MP3B	Y	-38.7	.25
23	MP3B	My	.01	.25
24	MP3B	Mz	-.017	.25
25	MP3B	Y	-38.7	5.25
26	MP3B	My	.01	5.25
27	MP3B	Mz	-.017	5.25
28	MP3C	Y	-38.7	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	My	.01	.25
30	MP3C	Mz	.017	.25
31	MP3C	Y	-38.7	5.25
32	MP3C	My	.01	5.25
33	MP3C	Mz	.017	5.25
34	MP4C	Y	-38.7	.25
35	MP4C	My	.01	.25
36	MP4C	Mz	.017	.25
37	MP4C	Y	-38.7	5.25
38	MP4C	My	.01	5.25
39	MP4C	Mz	.017	5.25
40	MP4B	Y	-20.35	.25
41	MP4B	My	.005	.25
42	MP4B	Mz	-.009	.25
43	MP4B	Y	-20.35	5.25
44	MP4B	My	.005	5.25
45	MP4B	Mz	-.009	5.25
46	MP1C	Y	-16.55	.25
47	MP1C	My	.004	.25
48	MP1C	Mz	.007	.25
49	MP1C	Y	-16.55	5.25
50	MP1C	My	.004	5.25
51	MP1C	Mz	.007	5.25
52	MP3A	Y	-16.55	.25
53	MP3A	My	-.008	.25
54	MP3A	Mz	0	.25
55	MP3A	Y	-16.55	5.25
56	MP3A	My	-.008	5.25
57	MP3A	Mz	0	5.25
58	M101	Y	-32	1
59	M101	My	0	1
60	M101	Mz	0	1
61	MP1B	Y	-43.55	1.25
62	MP1B	My	.011	1.25
63	MP1B	Mz	-.019	1.25
64	MP1B	Y	-43.55	2.75
65	MP1B	My	.011	2.75
66	MP1B	Mz	-.019	2.75
67	MP2C	Y	-43.55	2
68	MP2C	My	.011	2
69	MP2C	Mz	.019	2
70	MP2C	Y	-43.55	3.5
71	MP2C	My	.011	3.5
72	MP2C	Mz	.019	3.5
73	MP4A	Y	-43.55	.5
74	MP4A	My	-.022	.5
75	MP4A	Mz	0	.5
76	MP4A	Y	-43.55	2
77	MP4A	My	-.022	2
78	MP4A	Mz	0	2
79	MP1A	Y	-84.4	2.25
80	MP1A	My	.042	2.25
81	MP1A	Mz	0	2.25
82	MP2B	Y	-84.4	3
83	MP2B	My	-.021	3
84	MP2B	Mz	.037	3
85	MP3C	Y	-84.4	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
86	MP3C	My	-.021	3
87	MP3C	Mz	-.037	3
88	MP2A	Y	-70.3	3
89	MP2A	My	.035	3
90	MP2A	Mz	0	3
91	MP3B	Y	-70.3	3
92	MP3B	My	-.018	3
93	MP3B	Mz	.03	3
94	MP4C	Y	-70.3	1.5
95	MP4C	My	-.018	1.5
96	MP4C	Mz	-.03	1.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M103	Y	-140.344	1
2	M103	My	0	1
3	M103	Mz	0	1
4	MP1A	Y	-136.789	.25
5	MP1A	My	-.068	.25
6	MP1A	Mz	0	.25
7	MP1A	Y	-136.789	5.25
8	MP1A	My	-.068	5.25
9	MP1A	Mz	0	5.25
10	MP2A	Y	-136.789	.25
11	MP2A	My	-.068	.25
12	MP2A	Mz	0	.25
13	MP2A	Y	-136.789	5.25
14	MP2A	My	-.068	5.25
15	MP2A	Mz	0	5.25
16	MP2B	Y	-136.789	.25
17	MP2B	My	.034	.25
18	MP2B	Mz	-.059	.25
19	MP2B	Y	-136.789	5.25
20	MP2B	My	.034	5.25
21	MP2B	Mz	-.059	5.25
22	MP3B	Y	-136.789	.25
23	MP3B	My	.034	.25
24	MP3B	Mz	-.059	.25
25	MP3B	Y	-136.789	5.25
26	MP3B	My	.034	5.25
27	MP3B	Mz	-.059	5.25
28	MP3C	Y	-136.789	.25
29	MP3C	My	.034	.25
30	MP3C	Mz	.059	.25
31	MP3C	Y	-136.789	5.25
32	MP3C	My	.034	5.25
33	MP3C	Mz	.059	5.25
34	MP4C	Y	-136.789	.25
35	MP4C	My	.034	.25
36	MP4C	Mz	.059	.25
37	MP4C	Y	-136.789	5.25
38	MP4C	My	.034	5.25
39	MP4C	Mz	.059	5.25
40	MP4B	Y	-98.211	.25
41	MP4B	My	.025	.25
42	MP4B	Mz	-.043	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	Y	-98.211	5.25
44	MP4B	My	.025	5.25
45	MP4B	Mz	-.043	5.25
46	MP1C	Y	-97.201	.25
47	MP1C	My	.024	.25
48	MP1C	Mz	.042	.25
49	MP1C	Y	-97.201	5.25
50	MP1C	My	.024	5.25
51	MP1C	Mz	.042	5.25
52	MP3A	Y	-97.201	.25
53	MP3A	My	-.049	.25
54	MP3A	Mz	0	.25
55	MP3A	Y	-97.201	5.25
56	MP3A	My	-.049	5.25
57	MP3A	Mz	0	5.25
58	M101	Y	-140.344	1
59	M101	My	0	1
60	M101	Mz	0	1
61	MP1B	Y	-57.387	1.25
62	MP1B	My	.014	1.25
63	MP1B	Mz	-.025	1.25
64	MP1B	Y	-57.387	2.75
65	MP1B	My	.014	2.75
66	MP1B	Mz	-.025	2.75
67	MP2C	Y	-57.387	2
68	MP2C	My	.014	2
69	MP2C	Mz	.025	2
70	MP2C	Y	-57.387	3.5
71	MP2C	My	.014	3.5
72	MP2C	Mz	.025	3.5
73	MP4A	Y	-57.387	.5
74	MP4A	My	-.029	.5
75	MP4A	Mz	0	.5
76	MP4A	Y	-57.387	2
77	MP4A	My	-.029	2
78	MP4A	Mz	0	2
79	MP1A	Y	-72.961	2.25
80	MP1A	My	.036	2.25
81	MP1A	Mz	0	2.25
82	MP2B	Y	-72.961	3
83	MP2B	My	-.018	3
84	MP2B	Mz	.032	3
85	MP3C	Y	-72.961	3
86	MP3C	My	-.018	3
87	MP3C	Mz	-.032	3
88	MP2A	Y	-65.885	3
89	MP2A	My	.033	3
90	MP2A	Mz	0	3
91	MP3B	Y	-65.885	3
92	MP3B	My	-.016	3
93	MP3B	Mz	.029	3
94	MP4C	Y	-65.885	1.5
95	MP4C	My	-.016	1.5
96	MP4C	Mz	-.029	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	0	1
2	M103	Z	-105.804	1
3	M103	Mx	0	1
4	MP1A	X	0	.25
5	MP1A	Z	-209.558	.25
6	MP1A	Mx	0	.25
7	MP1A	X	0	5.25
8	MP1A	Z	-209.558	5.25
9	MP1A	Mx	0	5.25
10	MP2A	X	0	.25
11	MP2A	Z	-209.558	.25
12	MP2A	Mx	0	.25
13	MP2A	X	0	5.25
14	MP2A	Z	-209.558	5.25
15	MP2A	Mx	0	5.25
16	MP2B	X	0	.25
17	MP2B	Z	-126.042	.25
18	MP2B	Mx	.055	.25
19	MP2B	X	0	5.25
20	MP2B	Z	-126.042	5.25
21	MP2B	Mx	.055	5.25
22	MP3B	X	0	.25
23	MP3B	Z	-126.042	.25
24	MP3B	Mx	.055	.25
25	MP3B	X	0	5.25
26	MP3B	Z	-126.042	5.25
27	MP3B	Mx	.055	5.25
28	MP3C	X	0	.25
29	MP3C	Z	-126.042	.25
30	MP3C	Mx	-.055	.25
31	MP3C	X	0	5.25
32	MP3C	Z	-126.042	5.25
33	MP3C	Mx	-.055	5.25
34	MP4C	X	0	.25
35	MP4C	Z	-126.042	.25
36	MP4C	Mx	-.055	.25
37	MP4C	X	0	5.25
38	MP4C	Z	-126.042	5.25
39	MP4C	Mx	-.055	5.25
40	MP4B	X	0	.25
41	MP4B	Z	-103.664	.25
42	MP4B	Mx	.045	.25
43	MP4B	X	0	5.25
44	MP4B	Z	-103.664	5.25
45	MP4B	Mx	.045	5.25
46	MP1C	X	0	.25
47	MP1C	Z	-102.964	.25
48	MP1C	Mx	-.045	.25
49	MP1C	X	0	5.25
50	MP1C	Z	-102.964	5.25
51	MP1C	Mx	-.045	5.25
52	MP3A	X	0	.25
53	MP3A	Z	-138.168	.25
54	MP3A	Mx	0	.25
55	MP3A	X	0	5.25
56	MP3A	Z	-138.168	5.25
57	MP3A	Mx	0	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	M101	X	0	1
59	M101	Z	-105.804	1
60	M101	Mx	0	1
61	MP1B	X	0	1.25
62	MP1B	Z	-43.637	1.25
63	MP1B	Mx	.019	1.25
64	MP1B	X	0	2.75
65	MP1B	Z	-43.637	2.75
66	MP1B	Mx	.019	2.75
67	MP2C	X	0	2
68	MP2C	Z	-43.637	2
69	MP2C	Mx	-.019	2
70	MP2C	X	0	3.5
71	MP2C	Z	-43.637	3.5
72	MP2C	Mx	-.019	3.5
73	MP4A	X	0	.5
74	MP4A	Z	-80.271	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	2
77	MP4A	Z	-80.271	2
78	MP4A	Mx	0	2
79	MP1A	X	0	2.25
80	MP1A	Z	-63.875	2.25
81	MP1A	Mx	0	2.25
82	MP2B	X	0	3
83	MP2B	Z	-47.992	3
84	MP2B	Mx	-.021	3
85	MP3C	X	0	3
86	MP3C	Z	-47.992	3
87	MP3C	Mx	.021	3
88	MP2A	X	0	3
89	MP2A	Z	-63.875	3
90	MP2A	Mx	0	3
91	MP3B	X	0	3
92	MP3B	Z	-41.907	3
93	MP3B	Mx	-.018	3
94	MP4C	X	0	1.5
95	MP4C	Z	-41.907	1.5
96	MP4C	Mx	.018	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	57.011	1
2	M103	Z	-98.747	1
3	M103	Mx	0	1
4	MP1A	X	90.86	.25
5	MP1A	Z	-157.373	.25
6	MP1A	Mx	-.045	.25
7	MP1A	X	90.86	5.25
8	MP1A	Z	-157.373	5.25
9	MP1A	Mx	-.045	5.25
10	MP2A	X	90.86	.25
11	MP2A	Z	-157.373	.25
12	MP2A	Mx	-.045	.25
13	MP2A	X	90.86	5.25
14	MP2A	Z	-157.373	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
15	MP2A	Mx	-.045	5.25
16	MP2B	X	49.102	.25
17	MP2B	Z	-85.047	.25
18	MP2B	Mx	.049	.25
19	MP2B	X	49.102	5.25
20	MP2B	Z	-85.047	5.25
21	MP2B	Mx	.049	5.25
22	MP3B	X	49.102	.25
23	MP3B	Z	-85.047	.25
24	MP3B	Mx	.049	.25
25	MP3B	X	49.102	5.25
26	MP3B	Z	-85.047	5.25
27	MP3B	Mx	.049	5.25
28	MP3C	X	90.86	.25
29	MP3C	Z	-157.373	.25
30	MP3C	Mx	-.045	.25
31	MP3C	X	90.86	5.25
32	MP3C	Z	-157.373	5.25
33	MP3C	Mx	-.045	5.25
34	MP4C	X	90.86	.25
35	MP4C	Z	-157.373	.25
36	MP4C	Mx	-.045	.25
37	MP4C	X	90.86	5.25
38	MP4C	Z	-157.373	5.25
39	MP4C	Mx	-.045	5.25
40	MP4B	X	44.772	.25
41	MP4B	Z	-77.548	.25
42	MP4B	Mx	.045	.25
43	MP4B	X	44.772	5.25
44	MP4B	Z	-77.548	5.25
45	MP4B	Mx	.045	5.25
46	MP1C	X	63.217	.25
47	MP1C	Z	-109.495	.25
48	MP1C	Mx	-.032	.25
49	MP1C	X	63.217	5.25
50	MP1C	Z	-109.495	5.25
51	MP1C	Mx	-.032	5.25
52	MP3A	X	63.217	.25
53	MP3A	Z	-109.495	.25
54	MP3A	Mx	-.032	.25
55	MP3A	X	63.217	5.25
56	MP3A	Z	-109.495	5.25
57	MP3A	Mx	-.032	5.25
58	M101	X	57.011	1
59	M101	Z	-98.747	1
60	M101	Mx	0	1
61	MP1B	X	15.713	1.25
62	MP1B	Z	-27.216	1.25
63	MP1B	Mx	.016	1.25
64	MP1B	X	15.713	2.75
65	MP1B	Z	-27.216	2.75
66	MP1B	Mx	.016	2.75
67	MP2C	X	34.03	2
68	MP2C	Z	-58.941	2
69	MP2C	Mx	-.017	2
70	MP2C	X	34.03	3.5
71	MP2C	Z	-58.941	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP2C	Mx	-.017	3.5
73	MP4A	X	34.03	.5
74	MP4A	Z	-58.941	.5
75	MP4A	Mx	-.017	.5
76	MP4A	X	34.03	2
77	MP4A	Z	-58.941	2
78	MP4A	Mx	-.017	2
79	MP1A	X	29.29	2.25
80	MP1A	Z	-50.732	2.25
81	MP1A	Mx	.015	2.25
82	MP2B	X	21.349	3
83	MP2B	Z	-36.977	3
84	MP2B	Mx	-.021	3
85	MP3C	X	29.29	3
86	MP3C	Z	-50.732	3
87	MP3C	Mx	.015	3
88	MP2A	X	28.276	3
89	MP2A	Z	-48.976	3
90	MP2A	Mx	.014	3
91	MP3B	X	17.292	3
92	MP3B	Z	-29.951	3
93	MP3B	Mx	-.017	3
94	MP4C	X	28.276	1.5
95	MP4C	Z	-48.976	1.5
96	MP4C	Mx	.014	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	112.983	1
2	M103	Z	-65.231	1
3	M103	Mx	0	1
4	MP1A	X	109.156	.25
5	MP1A	Z	-63.021	.25
6	MP1A	Mx	-.055	.25
7	MP1A	X	109.156	5.25
8	MP1A	Z	-63.021	5.25
9	MP1A	Mx	-.055	5.25
10	MP2A	X	109.156	.25
11	MP2A	Z	-63.021	.25
12	MP2A	Mx	-.055	.25
13	MP2A	X	109.156	5.25
14	MP2A	Z	-63.021	5.25
15	MP2A	Mx	-.055	5.25
16	MP2B	X	109.156	.25
17	MP2B	Z	-63.021	.25
18	MP2B	Mx	.055	.25
19	MP2B	X	109.156	5.25
20	MP2B	Z	-63.021	5.25
21	MP2B	Mx	.055	5.25
22	MP3B	X	109.156	.25
23	MP3B	Z	-63.021	.25
24	MP3B	Mx	.055	.25
25	MP3B	X	109.156	5.25
26	MP3B	Z	-63.021	5.25
27	MP3B	Mx	.055	5.25
28	MP3C	X	181.482	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	-104.779	.25
30	MP3C	Mx	0	.25
31	MP3C	X	181.482	5.25
32	MP3C	Z	-104.779	5.25
33	MP3C	Mx	0	5.25
34	MP4C	X	181.482	.25
35	MP4C	Z	-104.779	.25
36	MP4C	Mx	0	.25
37	MP4C	X	181.482	5.25
38	MP4C	Z	-104.779	5.25
39	MP4C	Mx	0	5.25
40	MP4B	X	89.776	.25
41	MP4B	Z	-51.832	.25
42	MP4B	Mx	.045	.25
43	MP4B	X	89.776	5.25
44	MP4B	Z	-51.832	5.25
45	MP4B	Mx	.045	5.25
46	MP1C	X	119.657	.25
47	MP1C	Z	-69.084	.25
48	MP1C	Mx	0	.25
49	MP1C	X	119.657	5.25
50	MP1C	Z	-69.084	5.25
51	MP1C	Mx	0	5.25
52	MP3A	X	89.17	.25
53	MP3A	Z	-51.482	.25
54	MP3A	Mx	-.045	.25
55	MP3A	X	89.17	5.25
56	MP3A	Z	-51.482	5.25
57	MP3A	Mx	-.045	5.25
58	M101	X	112.983	1
59	M101	Z	-65.231	1
60	M101	Mx	0	1
61	MP1B	X	37.791	1.25
62	MP1B	Z	-21.819	1.25
63	MP1B	Mx	.019	1.25
64	MP1B	X	37.791	2.75
65	MP1B	Z	-21.819	2.75
66	MP1B	Mx	.019	2.75
67	MP2C	X	69.516	2
68	MP2C	Z	-40.135	2
69	MP2C	Mx	0	2
70	MP2C	X	69.516	3.5
71	MP2C	Z	-40.135	3.5
72	MP2C	Mx	0	3.5
73	MP4A	X	37.791	.5
74	MP4A	Z	-21.819	.5
75	MP4A	Mx	-.019	.5
76	MP4A	X	37.791	2
77	MP4A	Z	-21.819	2
78	MP4A	Mx	-.019	2
79	MP1A	X	41.562	2.25
80	MP1A	Z	-23.996	2.25
81	MP1A	Mx	.021	2.25
82	MP2B	X	41.562	3
83	MP2B	Z	-23.996	3
84	MP2B	Mx	-.021	3
85	MP3C	X	55.317	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
86	MP3C	Z	-31.937	3
87	MP3C	Mx	0	3
88	MP2A	X	36.293	3
89	MP2A	Z	-20.954	3
90	MP2A	Mx	.018	3
91	MP3B	X	36.293	3
92	MP3B	Z	-20.954	3
93	MP3B	Mx	-.018	3
94	MP4C	X	55.317	1.5
95	MP4C	Z	-31.937	1.5
96	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M103	X	138.68	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP1A	X	98.204	.25
5	MP1A	Z	0	.25
6	MP1A	Mx	-.049	.25
7	MP1A	X	98.204	5.25
8	MP1A	Z	0	5.25
9	MP1A	Mx	-.049	5.25
10	MP2A	X	98.204	.25
11	MP2A	Z	0	.25
12	MP2A	Mx	-.049	.25
13	MP2A	X	98.204	5.25
14	MP2A	Z	0	5.25
15	MP2A	Mx	-.049	5.25
16	MP2B	X	181.719	.25
17	MP2B	Z	0	.25
18	MP2B	Mx	.045	.25
19	MP2B	X	181.719	5.25
20	MP2B	Z	0	5.25
21	MP2B	Mx	.045	5.25
22	MP3B	X	181.719	.25
23	MP3B	Z	0	.25
24	MP3B	Mx	.045	.25
25	MP3B	X	181.719	5.25
26	MP3B	Z	0	5.25
27	MP3B	Mx	.045	5.25
28	MP3C	X	181.719	.25
29	MP3C	Z	0	.25
30	MP3C	Mx	.045	.25
31	MP3C	X	181.719	5.25
32	MP3C	Z	0	5.25
33	MP3C	Mx	.045	5.25
34	MP4C	X	181.719	.25
35	MP4C	Z	0	.25
36	MP4C	Mx	.045	.25
37	MP4C	X	181.719	5.25
38	MP4C	Z	0	5.25
39	MP4C	Mx	.045	5.25
40	MP4B	X	131.904	.25
41	MP4B	Z	0	.25
42	MP4B	Mx	.033	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	131.904	5.25
44	MP4B	Z	0	5.25
45	MP4B	Mx	.033	5.25
46	MP1C	X	126.433	.25
47	MP1C	Z	0	.25
48	MP1C	Mx	.032	.25
49	MP1C	X	126.433	5.25
50	MP1C	Z	0	5.25
51	MP1C	Mx	.032	5.25
52	MP3A	X	91.23	.25
53	MP3A	Z	0	.25
54	MP3A	Mx	-.046	.25
55	MP3A	X	91.23	5.25
56	MP3A	Z	0	5.25
57	MP3A	Mx	-.046	5.25
58	M101	X	138.68	1
59	M101	Z	0	1
60	M101	Mx	0	1
61	MP1B	X	68.059	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.017	1.25
64	MP1B	X	68.059	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	.017	2.75
67	MP2C	X	68.059	2
68	MP2C	Z	0	2
69	MP2C	Mx	.017	2
70	MP2C	X	68.059	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	.017	3.5
73	MP4A	X	31.426	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	-.016	.5
76	MP4A	X	31.426	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.016	2
79	MP1A	X	42.697	2.25
80	MP1A	Z	0	2.25
81	MP1A	Mx	.021	2.25
82	MP2B	X	58.581	3
83	MP2B	Z	0	3
84	MP2B	Mx	-.015	3
85	MP3C	X	58.581	3
86	MP3C	Z	0	3
87	MP3C	Mx	-.015	3
88	MP2A	X	34.585	3
89	MP2A	Z	0	3
90	MP2A	Mx	.017	3
91	MP3B	X	56.552	3
92	MP3B	Z	0	3
93	MP3B	Mx	-.014	3
94	MP4C	X	56.552	1.5
95	MP4C	Z	0	1.5
96	MP4C	Mx	-.014	1.5

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	112.983	1
2	M103	Z	65.231	1
3	M103	Mx	0	1
4	MP1A	X	109.156	.25
5	MP1A	Z	63.021	.25
6	MP1A	Mx	-.055	.25
7	MP1A	X	109.156	5.25
8	MP1A	Z	63.021	5.25
9	MP1A	Mx	-.055	5.25
10	MP2A	X	109.156	.25
11	MP2A	Z	63.021	.25
12	MP2A	Mx	-.055	.25
13	MP2A	X	109.156	5.25
14	MP2A	Z	63.021	5.25
15	MP2A	Mx	-.055	5.25
16	MP2B	X	181.482	.25
17	MP2B	Z	104.779	.25
18	MP2B	Mx	0	.25
19	MP2B	X	181.482	5.25
20	MP2B	Z	104.779	5.25
21	MP2B	Mx	0	5.25
22	MP3B	X	181.482	.25
23	MP3B	Z	104.779	.25
24	MP3B	Mx	0	.25
25	MP3B	X	181.482	5.25
26	MP3B	Z	104.779	5.25
27	MP3B	Mx	0	5.25
28	MP3C	X	109.156	.25
29	MP3C	Z	63.021	.25
30	MP3C	Mx	.055	.25
31	MP3C	X	109.156	5.25
32	MP3C	Z	63.021	5.25
33	MP3C	Mx	.055	5.25
34	MP4C	X	109.156	.25
35	MP4C	Z	63.021	.25
36	MP4C	Mx	.055	.25
37	MP4C	X	109.156	5.25
38	MP4C	Z	63.021	5.25
39	MP4C	Mx	.055	5.25
40	MP4B	X	126.461	.25
41	MP4B	Z	73.012	.25
42	MP4B	Mx	0	.25
43	MP4B	X	126.461	5.25
44	MP4B	Z	73.012	5.25
45	MP4B	Mx	0	5.25
46	MP1C	X	89.17	.25
47	MP1C	Z	51.482	.25
48	MP1C	Mx	.045	.25
49	MP1C	X	89.17	5.25
50	MP1C	Z	51.482	5.25
51	MP1C	Mx	.045	5.25
52	MP3A	X	89.17	.25
53	MP3A	Z	51.482	.25
54	MP3A	Mx	-.045	.25
55	MP3A	X	89.17	5.25
56	MP3A	Z	51.482	5.25
57	MP3A	Mx	-.045	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	M101	X	112.983	1
59	M101	Z	65.231	1
60	M101	Mx	0	1
61	MP1B	X	69.516	1.25
62	MP1B	Z	40.135	1.25
63	MP1B	Mx	0	1.25
64	MP1B	X	69.516	2.75
65	MP1B	Z	40.135	2.75
66	MP1B	Mx	0	2.75
67	MP2C	X	37.791	2
68	MP2C	Z	21.819	2
69	MP2C	Mx	.019	2
70	MP2C	X	37.791	3.5
71	MP2C	Z	21.819	3.5
72	MP2C	Mx	.019	3.5
73	MP4A	X	37.791	.5
74	MP4A	Z	21.819	.5
75	MP4A	Mx	-.019	.5
76	MP4A	X	37.791	2
77	MP4A	Z	21.819	2
78	MP4A	Mx	-.019	2
79	MP1A	X	41.562	2.25
80	MP1A	Z	23.996	2.25
81	MP1A	Mx	.021	2.25
82	MP2B	X	55.317	3
83	MP2B	Z	31.937	3
84	MP2B	Mx	0	3
85	MP3C	X	41.562	3
86	MP3C	Z	23.996	3
87	MP3C	Mx	-.021	3
88	MP2A	X	36.293	3
89	MP2A	Z	20.954	3
90	MP2A	Mx	.018	3
91	MP3B	X	55.317	3
92	MP3B	Z	31.937	3
93	MP3B	Mx	0	3
94	MP4C	X	36.293	1.5
95	MP4C	Z	20.954	1.5
96	MP4C	Mx	-.018	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	57.011	1
2	M103	Z	98.747	1
3	M103	Mx	0	1
4	MP1A	X	90.86	.25
5	MP1A	Z	157.373	.25
6	MP1A	Mx	-.045	.25
7	MP1A	X	90.86	5.25
8	MP1A	Z	157.373	5.25
9	MP1A	Mx	-.045	5.25
10	MP2A	X	90.86	.25
11	MP2A	Z	157.373	.25
12	MP2A	Mx	-.045	.25
13	MP2A	X	90.86	5.25
14	MP2A	Z	157.373	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	-.045	5.25
16	MP2B	X	90.86	.25
17	MP2B	Z	157.373	.25
18	MP2B	Mx	-.045	.25
19	MP2B	X	90.86	5.25
20	MP2B	Z	157.373	5.25
21	MP2B	Mx	-.045	5.25
22	MP3B	X	90.86	.25
23	MP3B	Z	157.373	.25
24	MP3B	Mx	-.045	.25
25	MP3B	X	90.86	5.25
26	MP3B	Z	157.373	5.25
27	MP3B	Mx	-.045	5.25
28	MP3C	X	49.102	.25
29	MP3C	Z	85.047	.25
30	MP3C	Mx	.049	.25
31	MP3C	X	49.102	5.25
32	MP3C	Z	85.047	5.25
33	MP3C	Mx	.049	5.25
34	MP4C	X	49.102	.25
35	MP4C	Z	85.047	.25
36	MP4C	Mx	.049	.25
37	MP4C	X	49.102	5.25
38	MP4C	Z	85.047	5.25
39	MP4C	Mx	.049	5.25
40	MP4B	X	65.952	.25
41	MP4B	Z	114.233	.25
42	MP4B	Mx	-.033	.25
43	MP4B	X	65.952	5.25
44	MP4B	Z	114.233	5.25
45	MP4B	Mx	-.033	5.25
46	MP1C	X	45.615	.25
47	MP1C	Z	79.007	.25
48	MP1C	Mx	.046	.25
49	MP1C	X	45.615	5.25
50	MP1C	Z	79.007	5.25
51	MP1C	Mx	.046	5.25
52	MP3A	X	63.217	.25
53	MP3A	Z	109.495	.25
54	MP3A	Mx	-.032	.25
55	MP3A	X	63.217	5.25
56	MP3A	Z	109.495	5.25
57	MP3A	Mx	-.032	5.25
58	M101	X	57.011	1
59	M101	Z	98.747	1
60	M101	Mx	0	1
61	MP1B	X	34.03	1.25
62	MP1B	Z	58.941	1.25
63	MP1B	Mx	-.017	1.25
64	MP1B	X	34.03	2.75
65	MP1B	Z	58.941	2.75
66	MP1B	Mx	-.017	2.75
67	MP2C	X	15.713	2
68	MP2C	Z	27.216	2
69	MP2C	Mx	.016	2
70	MP2C	X	15.713	3.5
71	MP2C	Z	27.216	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
72	MP2C	Mx	.016	3.5
73	MP4A	X	34.03	.5
74	MP4A	Z	58.941	.5
75	MP4A	Mx	-.017	.5
76	MP4A	X	34.03	2
77	MP4A	Z	58.941	2
78	MP4A	Mx	-.017	2
79	MP1A	X	29.29	2.25
80	MP1A	Z	50.732	2.25
81	MP1A	Mx	.015	2.25
82	MP2B	X	29.29	3
83	MP2B	Z	50.732	3
84	MP2B	Mx	.015	3
85	MP3C	X	21.349	3
86	MP3C	Z	36.977	3
87	MP3C	Mx	-.021	3
88	MP2A	X	28.276	3
89	MP2A	Z	48.976	3
90	MP2A	Mx	.014	3
91	MP3B	X	28.276	3
92	MP3B	Z	48.976	3
93	MP3B	Mx	.014	3
94	MP4C	X	17.292	1.5
95	MP4C	Z	29.951	1.5
96	MP4C	Mx	-.017	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	0	1
2	M103	Z	105.804	1
3	M103	Mx	0	1
4	MP1A	X	0	.25
5	MP1A	Z	209.558	.25
6	MP1A	Mx	0	.25
7	MP1A	X	0	5.25
8	MP1A	Z	209.558	5.25
9	MP1A	Mx	0	5.25
10	MP2A	X	0	.25
11	MP2A	Z	209.558	.25
12	MP2A	Mx	0	.25
13	MP2A	X	0	5.25
14	MP2A	Z	209.558	5.25
15	MP2A	Mx	0	5.25
16	MP2B	X	0	.25
17	MP2B	Z	126.042	.25
18	MP2B	Mx	-.055	.25
19	MP2B	X	0	5.25
20	MP2B	Z	126.042	5.25
21	MP2B	Mx	-.055	5.25
22	MP3B	X	0	.25
23	MP3B	Z	126.042	.25
24	MP3B	Mx	-.055	.25
25	MP3B	X	0	5.25
26	MP3B	Z	126.042	5.25
27	MP3B	Mx	-.055	5.25
28	MP3C	X	0	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	126.042	.25
30	MP3C	Mx	.055	.25
31	MP3C	X	0	5.25
32	MP3C	Z	126.042	5.25
33	MP3C	Mx	.055	5.25
34	MP4C	X	0	.25
35	MP4C	Z	126.042	.25
36	MP4C	Mx	.055	.25
37	MP4C	X	0	5.25
38	MP4C	Z	126.042	5.25
39	MP4C	Mx	.055	5.25
40	MP4B	X	0	.25
41	MP4B	Z	103.664	.25
42	MP4B	Mx	-.045	.25
43	MP4B	X	0	5.25
44	MP4B	Z	103.664	5.25
45	MP4B	Mx	-.045	5.25
46	MP1C	X	0	.25
47	MP1C	Z	102.964	.25
48	MP1C	Mx	.045	.25
49	MP1C	X	0	5.25
50	MP1C	Z	102.964	5.25
51	MP1C	Mx	.045	5.25
52	MP3A	X	0	.25
53	MP3A	Z	138.168	.25
54	MP3A	Mx	0	.25
55	MP3A	X	0	5.25
56	MP3A	Z	138.168	5.25
57	MP3A	Mx	0	5.25
58	M101	X	0	1
59	M101	Z	105.804	1
60	M101	Mx	0	1
61	MP1B	X	0	1.25
62	MP1B	Z	43.637	1.25
63	MP1B	Mx	-.019	1.25
64	MP1B	X	0	2.75
65	MP1B	Z	43.637	2.75
66	MP1B	Mx	-.019	2.75
67	MP2C	X	0	2
68	MP2C	Z	43.637	2
69	MP2C	Mx	.019	2
70	MP2C	X	0	3.5
71	MP2C	Z	43.637	3.5
72	MP2C	Mx	.019	3.5
73	MP4A	X	0	.5
74	MP4A	Z	80.271	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	2
77	MP4A	Z	80.271	2
78	MP4A	Mx	0	2
79	MP1A	X	0	2.25
80	MP1A	Z	63.875	2.25
81	MP1A	Mx	0	2.25
82	MP2B	X	0	3
83	MP2B	Z	47.992	3
84	MP2B	Mx	.021	3
85	MP3C	X	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP3C	Z	47.992	3
87	MP3C	Mx	-.021	3
88	MP2A	X	0	3
89	MP2A	Z	63.875	3
90	MP2A	Mx	0	3
91	MP3B	X	0	3
92	MP3B	Z	41.907	3
93	MP3B	Mx	.018	3
94	MP4C	X	0	1.5
95	MP4C	Z	41.907	1.5
96	MP4C	Mx	-.018	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-57.011	1
2	M103	Z	98.747	1
3	M103	Mx	0	1
4	MP1A	X	-90.86	.25
5	MP1A	Z	157.373	.25
6	MP1A	Mx	.045	.25
7	MP1A	X	-90.86	5.25
8	MP1A	Z	157.373	5.25
9	MP1A	Mx	.045	5.25
10	MP2A	X	-90.86	.25
11	MP2A	Z	157.373	.25
12	MP2A	Mx	.045	.25
13	MP2A	X	-90.86	5.25
14	MP2A	Z	157.373	5.25
15	MP2A	Mx	.045	5.25
16	MP2B	X	-49.102	.25
17	MP2B	Z	85.047	.25
18	MP2B	Mx	-.049	.25
19	MP2B	X	-49.102	5.25
20	MP2B	Z	85.047	5.25
21	MP2B	Mx	-.049	5.25
22	MP3B	X	-49.102	.25
23	MP3B	Z	85.047	.25
24	MP3B	Mx	-.049	.25
25	MP3B	X	-49.102	5.25
26	MP3B	Z	85.047	5.25
27	MP3B	Mx	-.049	5.25
28	MP3C	X	-90.86	.25
29	MP3C	Z	157.373	.25
30	MP3C	Mx	.045	.25
31	MP3C	X	-90.86	5.25
32	MP3C	Z	157.373	5.25
33	MP3C	Mx	.045	5.25
34	MP4C	X	-90.86	.25
35	MP4C	Z	157.373	.25
36	MP4C	Mx	.045	.25
37	MP4C	X	-90.86	5.25
38	MP4C	Z	157.373	5.25
39	MP4C	Mx	.045	5.25
40	MP4B	X	-44.772	.25
41	MP4B	Z	77.548	.25
42	MP4B	Mx	-.045	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	-44.772	5.25
44	MP4B	Z	77.548	5.25
45	MP4B	Mx	-.045	5.25
46	MP1C	X	-63.217	.25
47	MP1C	Z	109.495	.25
48	MP1C	Mx	.032	.25
49	MP1C	X	-63.217	5.25
50	MP1C	Z	109.495	5.25
51	MP1C	Mx	.032	5.25
52	MP3A	X	-63.217	.25
53	MP3A	Z	109.495	.25
54	MP3A	Mx	.032	.25
55	MP3A	X	-63.217	5.25
56	MP3A	Z	109.495	5.25
57	MP3A	Mx	.032	5.25
58	M101	X	-57.011	1
59	M101	Z	98.747	1
60	M101	Mx	0	1
61	MP1B	X	-15.713	1.25
62	MP1B	Z	27.216	1.25
63	MP1B	Mx	-.016	1.25
64	MP1B	X	-15.713	2.75
65	MP1B	Z	27.216	2.75
66	MP1B	Mx	-.016	2.75
67	MP2C	X	-34.03	2
68	MP2C	Z	58.941	2
69	MP2C	Mx	.017	2
70	MP2C	X	-34.03	3.5
71	MP2C	Z	58.941	3.5
72	MP2C	Mx	.017	3.5
73	MP4A	X	-34.03	.5
74	MP4A	Z	58.941	.5
75	MP4A	Mx	.017	.5
76	MP4A	X	-34.03	2
77	MP4A	Z	58.941	2
78	MP4A	Mx	.017	2
79	MP1A	X	-29.29	2.25
80	MP1A	Z	50.732	2.25
81	MP1A	Mx	-.015	2.25
82	MP2B	X	-21.349	3
83	MP2B	Z	36.977	3
84	MP2B	Mx	.021	3
85	MP3C	X	-29.29	3
86	MP3C	Z	50.732	3
87	MP3C	Mx	-.015	3
88	MP2A	X	-28.276	3
89	MP2A	Z	48.976	3
90	MP2A	Mx	-.014	3
91	MP3B	X	-17.292	3
92	MP3B	Z	29.951	3
93	MP3B	Mx	.017	3
94	MP4C	X	-28.276	1.5
95	MP4C	Z	48.976	1.5
96	MP4C	Mx	-.014	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-112.983	1
2	M103	Z	65.231	1
3	M103	Mx	0	1
4	MP1A	X	-109.156	.25
5	MP1A	Z	63.021	.25
6	MP1A	Mx	.055	.25
7	MP1A	X	-109.156	5.25
8	MP1A	Z	63.021	5.25
9	MP1A	Mx	.055	5.25
10	MP2A	X	-109.156	.25
11	MP2A	Z	63.021	.25
12	MP2A	Mx	.055	.25
13	MP2A	X	-109.156	5.25
14	MP2A	Z	63.021	5.25
15	MP2A	Mx	.055	5.25
16	MP2B	X	-109.156	.25
17	MP2B	Z	63.021	.25
18	MP2B	Mx	-.055	.25
19	MP2B	X	-109.156	5.25
20	MP2B	Z	63.021	5.25
21	MP2B	Mx	-.055	5.25
22	MP3B	X	-109.156	.25
23	MP3B	Z	63.021	.25
24	MP3B	Mx	-.055	.25
25	MP3B	X	-109.156	5.25
26	MP3B	Z	63.021	5.25
27	MP3B	Mx	-.055	5.25
28	MP3C	X	-181.482	.25
29	MP3C	Z	104.779	.25
30	MP3C	Mx	0	.25
31	MP3C	X	-181.482	5.25
32	MP3C	Z	104.779	5.25
33	MP3C	Mx	0	5.25
34	MP4C	X	-181.482	.25
35	MP4C	Z	104.779	.25
36	MP4C	Mx	0	.25
37	MP4C	X	-181.482	5.25
38	MP4C	Z	104.779	5.25
39	MP4C	Mx	0	5.25
40	MP4B	X	-89.776	.25
41	MP4B	Z	51.832	.25
42	MP4B	Mx	-.045	.25
43	MP4B	X	-89.776	5.25
44	MP4B	Z	51.832	5.25
45	MP4B	Mx	-.045	5.25
46	MP1C	X	-119.657	.25
47	MP1C	Z	69.084	.25
48	MP1C	Mx	0	.25
49	MP1C	X	-119.657	5.25
50	MP1C	Z	69.084	5.25
51	MP1C	Mx	0	5.25
52	MP3A	X	-89.17	.25
53	MP3A	Z	51.482	.25
54	MP3A	Mx	.045	.25
55	MP3A	X	-89.17	5.25
56	MP3A	Z	51.482	5.25
57	MP3A	Mx	.045	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	M101	X	-112.983	1
59	M101	Z	65.231	1
60	M101	Mx	0	1
61	MP1B	X	-37.791	1.25
62	MP1B	Z	21.819	1.25
63	MP1B	Mx	-.019	1.25
64	MP1B	X	-37.791	2.75
65	MP1B	Z	21.819	2.75
66	MP1B	Mx	-.019	2.75
67	MP2C	X	-69.516	2
68	MP2C	Z	40.135	2
69	MP2C	Mx	0	2
70	MP2C	X	-69.516	3.5
71	MP2C	Z	40.135	3.5
72	MP2C	Mx	0	3.5
73	MP4A	X	-37.791	.5
74	MP4A	Z	21.819	.5
75	MP4A	Mx	.019	.5
76	MP4A	X	-37.791	2
77	MP4A	Z	21.819	2
78	MP4A	Mx	.019	2
79	MP1A	X	-41.562	2.25
80	MP1A	Z	23.996	2.25
81	MP1A	Mx	-.021	2.25
82	MP2B	X	-41.562	3
83	MP2B	Z	23.996	3
84	MP2B	Mx	.021	3
85	MP3C	X	-55.317	3
86	MP3C	Z	31.937	3
87	MP3C	Mx	0	3
88	MP2A	X	-36.293	3
89	MP2A	Z	20.954	3
90	MP2A	Mx	-.018	3
91	MP3B	X	-36.293	3
92	MP3B	Z	20.954	3
93	MP3B	Mx	.018	3
94	MP4C	X	-55.317	1.5
95	MP4C	Z	31.937	1.5
96	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-138.68	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP1A	X	-98.204	.25
5	MP1A	Z	0	.25
6	MP1A	Mx	.049	.25
7	MP1A	X	-98.204	5.25
8	MP1A	Z	0	5.25
9	MP1A	Mx	.049	5.25
10	MP2A	X	-98.204	.25
11	MP2A	Z	0	.25
12	MP2A	Mx	.049	.25
13	MP2A	X	-98.204	5.25
14	MP2A	Z	0	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	.049	5.25
16	MP2B	X	-181.719	.25
17	MP2B	Z	0	.25
18	MP2B	Mx	-.045	.25
19	MP2B	X	-181.719	5.25
20	MP2B	Z	0	5.25
21	MP2B	Mx	-.045	5.25
22	MP3B	X	-181.719	.25
23	MP3B	Z	0	.25
24	MP3B	Mx	-.045	.25
25	MP3B	X	-181.719	5.25
26	MP3B	Z	0	5.25
27	MP3B	Mx	-.045	5.25
28	MP3C	X	-181.719	.25
29	MP3C	Z	0	.25
30	MP3C	Mx	-.045	.25
31	MP3C	X	-181.719	5.25
32	MP3C	Z	0	5.25
33	MP3C	Mx	-.045	5.25
34	MP4C	X	-181.719	.25
35	MP4C	Z	0	.25
36	MP4C	Mx	-.045	.25
37	MP4C	X	-181.719	5.25
38	MP4C	Z	0	5.25
39	MP4C	Mx	-.045	5.25
40	MP4B	X	-131.904	.25
41	MP4B	Z	0	.25
42	MP4B	Mx	-.033	.25
43	MP4B	X	-131.904	5.25
44	MP4B	Z	0	5.25
45	MP4B	Mx	-.033	5.25
46	MP1C	X	-126.433	.25
47	MP1C	Z	0	.25
48	MP1C	Mx	-.032	.25
49	MP1C	X	-126.433	5.25
50	MP1C	Z	0	5.25
51	MP1C	Mx	-.032	5.25
52	MP3A	X	-91.23	.25
53	MP3A	Z	0	.25
54	MP3A	Mx	.046	.25
55	MP3A	X	-91.23	5.25
56	MP3A	Z	0	5.25
57	MP3A	Mx	.046	5.25
58	M101	X	-138.68	1
59	M101	Z	0	1
60	M101	Mx	0	1
61	MP1B	X	-68.059	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.017	1.25
64	MP1B	X	-68.059	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	-.017	2.75
67	MP2C	X	-68.059	2
68	MP2C	Z	0	2
69	MP2C	Mx	-.017	2
70	MP2C	X	-68.059	3.5
71	MP2C	Z	0	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP2C	Mx	-.017	3.5
73	MP4A	X	-31.426	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	.016	.5
76	MP4A	X	-31.426	2
77	MP4A	Z	0	2
78	MP4A	Mx	.016	2
79	MP1A	X	-42.697	2.25
80	MP1A	Z	0	2.25
81	MP1A	Mx	-.021	2.25
82	MP2B	X	-58.581	3
83	MP2B	Z	0	3
84	MP2B	Mx	.015	3
85	MP3C	X	-58.581	3
86	MP3C	Z	0	3
87	MP3C	Mx	.015	3
88	MP2A	X	-34.585	3
89	MP2A	Z	0	3
90	MP2A	Mx	-.017	3
91	MP3B	X	-56.552	3
92	MP3B	Z	0	3
93	MP3B	Mx	.014	3
94	MP4C	X	-56.552	1.5
95	MP4C	Z	0	1.5
96	MP4C	Mx	.014	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-112.983	1
2	M103	Z	-65.231	1
3	M103	Mx	0	1
4	MP1A	X	-109.156	.25
5	MP1A	Z	-63.021	.25
6	MP1A	Mx	.055	.25
7	MP1A	X	-109.156	5.25
8	MP1A	Z	-63.021	5.25
9	MP1A	Mx	.055	5.25
10	MP2A	X	-109.156	.25
11	MP2A	Z	-63.021	.25
12	MP2A	Mx	.055	.25
13	MP2A	X	-109.156	5.25
14	MP2A	Z	-63.021	5.25
15	MP2A	Mx	.055	5.25
16	MP2B	X	-181.482	.25
17	MP2B	Z	-104.779	.25
18	MP2B	Mx	0	.25
19	MP2B	X	-181.482	5.25
20	MP2B	Z	-104.779	5.25
21	MP2B	Mx	0	5.25
22	MP3B	X	-181.482	.25
23	MP3B	Z	-104.779	.25
24	MP3B	Mx	0	.25
25	MP3B	X	-181.482	5.25
26	MP3B	Z	-104.779	5.25
27	MP3B	Mx	0	5.25
28	MP3C	X	-109.156	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	-63.021	.25
30	MP3C	Mx	-.055	.25
31	MP3C	X	-109.156	5.25
32	MP3C	Z	-63.021	5.25
33	MP3C	Mx	-.055	5.25
34	MP4C	X	-109.156	.25
35	MP4C	Z	-63.021	.25
36	MP4C	Mx	-.055	.25
37	MP4C	X	-109.156	5.25
38	MP4C	Z	-63.021	5.25
39	MP4C	Mx	-.055	5.25
40	MP4B	X	-126.461	.25
41	MP4B	Z	-73.012	.25
42	MP4B	Mx	0	.25
43	MP4B	X	-126.461	5.25
44	MP4B	Z	-73.012	5.25
45	MP4B	Mx	0	5.25
46	MP1C	X	-89.17	.25
47	MP1C	Z	-51.482	.25
48	MP1C	Mx	-.045	.25
49	MP1C	X	-89.17	5.25
50	MP1C	Z	-51.482	5.25
51	MP1C	Mx	-.045	5.25
52	MP3A	X	-89.17	.25
53	MP3A	Z	-51.482	.25
54	MP3A	Mx	.045	.25
55	MP3A	X	-89.17	5.25
56	MP3A	Z	-51.482	5.25
57	MP3A	Mx	.045	5.25
58	M101	X	-112.983	1
59	M101	Z	-65.231	1
60	M101	Mx	0	1
61	MP1B	X	-69.516	1.25
62	MP1B	Z	-40.135	1.25
63	MP1B	Mx	0	1.25
64	MP1B	X	-69.516	2.75
65	MP1B	Z	-40.135	2.75
66	MP1B	Mx	0	2.75
67	MP2C	X	-37.791	2
68	MP2C	Z	-21.819	2
69	MP2C	Mx	-.019	2
70	MP2C	X	-37.791	3.5
71	MP2C	Z	-21.819	3.5
72	MP2C	Mx	-.019	3.5
73	MP4A	X	-37.791	.5
74	MP4A	Z	-21.819	.5
75	MP4A	Mx	.019	.5
76	MP4A	X	-37.791	2
77	MP4A	Z	-21.819	2
78	MP4A	Mx	.019	2
79	MP1A	X	-41.562	2.25
80	MP1A	Z	-23.996	2.25
81	MP1A	Mx	-.021	2.25
82	MP2B	X	-55.317	3
83	MP2B	Z	-31.937	3
84	MP2B	Mx	0	3
85	MP3C	X	-41.562	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP3C	Z	-23.996	3
87	MP3C	Mx	.021	3
88	MP2A	X	-36.293	3
89	MP2A	Z	-20.954	3
90	MP2A	Mx	-.018	3
91	MP3B	X	-55.317	3
92	MP3B	Z	-31.937	3
93	MP3B	Mx	0	3
94	MP4C	X	-36.293	1.5
95	MP4C	Z	-20.954	1.5
96	MP4C	Mx	.018	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-57.011	1
2	M103	Z	-98.747	1
3	M103	Mx	0	1
4	MP1A	X	-90.86	.25
5	MP1A	Z	-157.373	.25
6	MP1A	Mx	.045	.25
7	MP1A	X	-90.86	5.25
8	MP1A	Z	-157.373	5.25
9	MP1A	Mx	.045	5.25
10	MP2A	X	-90.86	.25
11	MP2A	Z	-157.373	.25
12	MP2A	Mx	.045	.25
13	MP2A	X	-90.86	5.25
14	MP2A	Z	-157.373	5.25
15	MP2A	Mx	.045	5.25
16	MP2B	X	-90.86	.25
17	MP2B	Z	-157.373	.25
18	MP2B	Mx	.045	.25
19	MP2B	X	-90.86	5.25
20	MP2B	Z	-157.373	5.25
21	MP2B	Mx	.045	5.25
22	MP3B	X	-90.86	.25
23	MP3B	Z	-157.373	.25
24	MP3B	Mx	.045	.25
25	MP3B	X	-90.86	5.25
26	MP3B	Z	-157.373	5.25
27	MP3B	Mx	.045	5.25
28	MP3C	X	-49.102	.25
29	MP3C	Z	-85.047	.25
30	MP3C	Mx	-.049	.25
31	MP3C	X	-49.102	5.25
32	MP3C	Z	-85.047	5.25
33	MP3C	Mx	-.049	5.25
34	MP4C	X	-49.102	.25
35	MP4C	Z	-85.047	.25
36	MP4C	Mx	-.049	.25
37	MP4C	X	-49.102	5.25
38	MP4C	Z	-85.047	5.25
39	MP4C	Mx	-.049	5.25
40	MP4B	X	-65.952	.25
41	MP4B	Z	-114.233	.25
42	MP4B	Mx	.033	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	-65.952	5.25
44	MP4B	Z	-114.233	5.25
45	MP4B	Mx	.033	5.25
46	MP1C	X	-45.615	.25
47	MP1C	Z	-79.007	.25
48	MP1C	Mx	-.046	.25
49	MP1C	X	-45.615	5.25
50	MP1C	Z	-79.007	5.25
51	MP1C	Mx	-.046	5.25
52	MP3A	X	-63.217	.25
53	MP3A	Z	-109.495	.25
54	MP3A	Mx	.032	.25
55	MP3A	X	-63.217	5.25
56	MP3A	Z	-109.495	5.25
57	MP3A	Mx	.032	5.25
58	M101	X	-57.011	1
59	M101	Z	-98.747	1
60	M101	Mx	0	1
61	MP1B	X	-34.03	1.25
62	MP1B	Z	-58.941	1.25
63	MP1B	Mx	.017	1.25
64	MP1B	X	-34.03	2.75
65	MP1B	Z	-58.941	2.75
66	MP1B	Mx	.017	2.75
67	MP2C	X	-15.713	2
68	MP2C	Z	-27.216	2
69	MP2C	Mx	-.016	2
70	MP2C	X	-15.713	3.5
71	MP2C	Z	-27.216	3.5
72	MP2C	Mx	-.016	3.5
73	MP4A	X	-34.03	.5
74	MP4A	Z	-58.941	.5
75	MP4A	Mx	.017	.5
76	MP4A	X	-34.03	2
77	MP4A	Z	-58.941	2
78	MP4A	Mx	.017	2
79	MP1A	X	-29.29	2.25
80	MP1A	Z	-50.732	2.25
81	MP1A	Mx	-.015	2.25
82	MP2B	X	-29.29	3
83	MP2B	Z	-50.732	3
84	MP2B	Mx	-.015	3
85	MP3C	X	-21.349	3
86	MP3C	Z	-36.977	3
87	MP3C	Mx	.021	3
88	MP2A	X	-28.276	3
89	MP2A	Z	-48.976	3
90	MP2A	Mx	-.014	3
91	MP3B	X	-28.276	3
92	MP3B	Z	-48.976	3
93	MP3B	Mx	-.014	3
94	MP4C	X	-17.292	1.5
95	MP4C	Z	-29.951	1.5
96	MP4C	Mx	.017	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M103	X	0	1
2	M103	Z	-23.767	1
3	M103	Mx	0	1
4	MP1A	X	0	.25
5	MP1A	Z	-42.182	.25
6	MP1A	Mx	0	.25
7	MP1A	X	0	5.25
8	MP1A	Z	-42.182	5.25
9	MP1A	Mx	0	5.25
10	MP2A	X	0	.25
11	MP2A	Z	-42.182	.25
12	MP2A	Mx	0	.25
13	MP2A	X	0	5.25
14	MP2A	Z	-42.182	5.25
15	MP2A	Mx	0	5.25
16	MP2B	X	0	.25
17	MP2B	Z	-26.675	.25
18	MP2B	Mx	.012	.25
19	MP2B	X	0	5.25
20	MP2B	Z	-26.675	5.25
21	MP2B	Mx	.012	5.25
22	MP3B	X	0	.25
23	MP3B	Z	-26.675	.25
24	MP3B	Mx	.012	.25
25	MP3B	X	0	5.25
26	MP3B	Z	-26.675	5.25
27	MP3B	Mx	.012	5.25
28	MP3C	X	0	.25
29	MP3C	Z	-26.675	.25
30	MP3C	Mx	-.012	.25
31	MP3C	X	0	5.25
32	MP3C	Z	-26.675	5.25
33	MP3C	Mx	-.012	5.25
34	MP4C	X	0	.25
35	MP4C	Z	-26.675	.25
36	MP4C	Mx	-.012	.25
37	MP4C	X	0	5.25
38	MP4C	Z	-26.675	5.25
39	MP4C	Mx	-.012	5.25
40	MP4B	X	0	.25
41	MP4B	Z	-22.56	.25
42	MP4B	Mx	.01	.25
43	MP4B	X	0	5.25
44	MP4B	Z	-22.56	5.25
45	MP4B	Mx	.01	5.25
46	MP1C	X	0	.25
47	MP1C	Z	-22.368	.25
48	MP1C	Mx	-.01	.25
49	MP1C	X	0	5.25
50	MP1C	Z	-22.368	5.25
51	MP1C	Mx	-.01	5.25
52	MP3A	X	0	.25
53	MP3A	Z	-28.761	.25
54	MP3A	Mx	0	.25
55	MP3A	X	0	5.25
56	MP3A	Z	-28.761	5.25
57	MP3A	Mx	0	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	M101	X	0	1
59	M101	Z	-23.767	1
60	M101	Mx	0	1
61	MP1B	X	0	1.25
62	MP1B	Z	-10.098	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	0	2.75
65	MP1B	Z	-10.098	2.75
66	MP1B	Mx	.004	2.75
67	MP2C	X	0	2
68	MP2C	Z	-10.098	2
69	MP2C	Mx	-.004	2
70	MP2C	X	0	3.5
71	MP2C	Z	-10.098	3.5
72	MP2C	Mx	-.004	3.5
73	MP4A	X	0	.5
74	MP4A	Z	-17.302	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	2
77	MP4A	Z	-17.302	2
78	MP4A	Mx	0	2
79	MP1A	X	0	2.25
80	MP1A	Z	-15.004	2.25
81	MP1A	Mx	0	2.25
82	MP2B	X	0	3
83	MP2B	Z	-11.737	3
84	MP2B	Mx	-.005	3
85	MP3C	X	0	3
86	MP3C	Z	-11.737	3
87	MP3C	Mx	.005	3
88	MP2A	X	0	3
89	MP2A	Z	-15.004	3
90	MP2A	Mx	0	3
91	MP3B	X	0	3
92	MP3B	Z	-10.496	3
93	MP3B	Mx	-.005	3
94	MP4C	X	0	1.5
95	MP4C	Z	-10.496	1.5
96	MP4C	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	12.67	1
2	M103	Z	-21.944	1
3	M103	Mx	0	1
4	MP1A	X	18.506	.25
5	MP1A	Z	-32.054	.25
6	MP1A	Mx	-.009	.25
7	MP1A	X	18.506	5.25
8	MP1A	Z	-32.054	5.25
9	MP1A	Mx	-.009	5.25
10	MP2A	X	18.506	.25
11	MP2A	Z	-32.054	.25
12	MP2A	Mx	-.009	.25
13	MP2A	X	18.506	5.25
14	MP2A	Z	-32.054	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	-0.009	5.25
16	MP2B	X	10.753	.25
17	MP2B	Z	-18.625	.25
18	MP2B	Mx	.011	.25
19	MP2B	X	10.753	5.25
20	MP2B	Z	-18.625	5.25
21	MP2B	Mx	.011	5.25
22	MP3B	X	10.753	.25
23	MP3B	Z	-18.625	.25
24	MP3B	Mx	.011	.25
25	MP3B	X	10.753	5.25
26	MP3B	Z	-18.625	5.25
27	MP3B	Mx	.011	5.25
28	MP3C	X	18.506	.25
29	MP3C	Z	-32.054	.25
30	MP3C	Mx	-0.009	.25
31	MP3C	X	18.506	5.25
32	MP3C	Z	-32.054	5.25
33	MP3C	Mx	-0.009	5.25
34	MP4C	X	18.506	.25
35	MP4C	Z	-32.054	.25
36	MP4C	Mx	-0.009	.25
37	MP4C	X	18.506	5.25
38	MP4C	Z	-32.054	5.25
39	MP4C	Mx	-0.009	5.25
40	MP4B	X	9.998	.25
41	MP4B	Z	-17.316	.25
42	MP4B	Mx	.01	.25
43	MP4B	X	9.998	5.25
44	MP4B	Z	-17.316	5.25
45	MP4B	Mx	.01	5.25
46	MP1C	X	13.315	.25
47	MP1C	Z	-23.062	.25
48	MP1C	Mx	-0.007	.25
49	MP1C	X	13.315	5.25
50	MP1C	Z	-23.062	5.25
51	MP1C	Mx	-0.007	5.25
52	MP3A	X	13.315	.25
53	MP3A	Z	-23.062	.25
54	MP3A	Mx	-0.007	.25
55	MP3A	X	13.315	5.25
56	MP3A	Z	-23.062	5.25
57	MP3A	Mx	-0.007	5.25
58	M101	X	12.67	1
59	M101	Z	-21.944	1
60	M101	Mx	0	1
61	MP1B	X	3.849	1.25
62	MP1B	Z	-6.666	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	3.849	2.75
65	MP1B	Z	-6.666	2.75
66	MP1B	Mx	.004	2.75
67	MP2C	X	7.45	2
68	MP2C	Z	-12.904	2
69	MP2C	Mx	-0.004	2
70	MP2C	X	7.45	3.5
71	MP2C	Z	-12.904	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
72	MP2C	Mx	-0.004	3.5
73	MP4A	X	7.45	.5
74	MP4A	Z	-12.904	.5
75	MP4A	Mx	-0.004	.5
76	MP4A	X	7.45	2
77	MP4A	Z	-12.904	2
78	MP4A	Mx	-0.004	2
79	MP1A	X	6.958	2.25
80	MP1A	Z	-12.051	2.25
81	MP1A	Mx	.003	2.25
82	MP2B	X	5.324	3
83	MP2B	Z	-9.222	3
84	MP2B	Mx	-0.005	3
85	MP3C	X	6.958	3
86	MP3C	Z	-12.051	3
87	MP3C	Mx	.003	3
88	MP2A	X	6.751	3
89	MP2A	Z	-11.693	3
90	MP2A	Mx	.003	3
91	MP3B	X	4.496	3
92	MP3B	Z	-7.788	3
93	MP3B	Mx	-0.004	3
94	MP4C	X	6.751	1.5
95	MP4C	Z	-11.693	1.5
96	MP4C	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	24.667	1
2	M103	Z	-14.242	1
3	M103	Mx	0	1
4	MP1A	X	23.101	.25
5	MP1A	Z	-13.338	.25
6	MP1A	Mx	-.012	.25
7	MP1A	X	23.101	5.25
8	MP1A	Z	-13.338	5.25
9	MP1A	Mx	-.012	5.25
10	MP2A	X	23.101	.25
11	MP2A	Z	-13.338	.25
12	MP2A	Mx	-.012	.25
13	MP2A	X	23.101	5.25
14	MP2A	Z	-13.338	5.25
15	MP2A	Mx	-.012	5.25
16	MP2B	X	23.101	.25
17	MP2B	Z	-13.338	.25
18	MP2B	Mx	.012	.25
19	MP2B	X	23.101	5.25
20	MP2B	Z	-13.338	5.25
21	MP2B	Mx	.012	5.25
22	MP3B	X	23.101	.25
23	MP3B	Z	-13.338	.25
24	MP3B	Mx	.012	.25
25	MP3B	X	23.101	5.25
26	MP3B	Z	-13.338	5.25
27	MP3B	Mx	.012	5.25
28	MP3C	X	36.531	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	-21.091	.25
30	MP3C	Mx	0	.25
31	MP3C	X	36.531	5.25
32	MP3C	Z	-21.091	5.25
33	MP3C	Mx	0	5.25
34	MP4C	X	36.531	.25
35	MP4C	Z	-21.091	.25
36	MP4C	Mx	0	.25
37	MP4C	X	36.531	5.25
38	MP4C	Z	-21.091	5.25
39	MP4C	Mx	0	5.25
40	MP4B	X	19.537	.25
41	MP4B	Z	-11.28	.25
42	MP4B	Mx	.01	.25
43	MP4B	X	19.537	5.25
44	MP4B	Z	-11.28	5.25
45	MP4B	Mx	.01	5.25
46	MP1C	X	24.908	.25
47	MP1C	Z	-14.38	.25
48	MP1C	Mx	0	.25
49	MP1C	X	24.908	5.25
50	MP1C	Z	-14.38	5.25
51	MP1C	Mx	0	5.25
52	MP3A	X	19.371	.25
53	MP3A	Z	-11.184	.25
54	MP3A	Mx	-.01	.25
55	MP3A	X	19.371	5.25
56	MP3A	Z	-11.184	5.25
57	MP3A	Mx	-.01	5.25
58	M101	X	24.667	1
59	M101	Z	-14.242	1
60	M101	Mx	0	1
61	MP1B	X	8.745	1.25
62	MP1B	Z	-5.049	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	8.745	2.75
65	MP1B	Z	-5.049	2.75
66	MP1B	Mx	.004	2.75
67	MP2C	X	14.984	2
68	MP2C	Z	-8.651	2
69	MP2C	Mx	0	2
70	MP2C	X	14.984	3.5
71	MP2C	Z	-8.651	3.5
72	MP2C	Mx	0	3.5
73	MP4A	X	8.745	.5
74	MP4A	Z	-5.049	.5
75	MP4A	Mx	-.004	.5
76	MP4A	X	8.745	2
77	MP4A	Z	-5.049	2
78	MP4A	Mx	-.004	2
79	MP1A	X	10.165	2.25
80	MP1A	Z	-5.869	2.25
81	MP1A	Mx	.005	2.25
82	MP2B	X	10.165	3
83	MP2B	Z	-5.869	3
84	MP2B	Mx	-.005	3
85	MP3C	X	12.994	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP3C	Z	-7.502	3
87	MP3C	Mx	0	3
88	MP2A	X	9.09	3
89	MP2A	Z	-5.248	3
90	MP2A	Mx	.005	3
91	MP3B	X	9.09	3
92	MP3B	Z	-5.248	3
93	MP3B	Mx	-.005	3
94	MP4C	X	12.994	1.5
95	MP4C	Z	-7.502	1.5
96	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	30.055	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP1A	X	21.506	.25
5	MP1A	Z	0	.25
6	MP1A	Mx	-.011	.25
7	MP1A	X	21.506	5.25
8	MP1A	Z	0	5.25
9	MP1A	Mx	-.011	5.25
10	MP2A	X	21.506	.25
11	MP2A	Z	0	.25
12	MP2A	Mx	-.011	.25
13	MP2A	X	21.506	5.25
14	MP2A	Z	0	5.25
15	MP2A	Mx	-.011	5.25
16	MP2B	X	37.013	.25
17	MP2B	Z	0	.25
18	MP2B	Mx	.009	.25
19	MP2B	X	37.013	5.25
20	MP2B	Z	0	5.25
21	MP2B	Mx	.009	5.25
22	MP3B	X	37.013	.25
23	MP3B	Z	0	.25
24	MP3B	Mx	.009	.25
25	MP3B	X	37.013	5.25
26	MP3B	Z	0	5.25
27	MP3B	Mx	.009	5.25
28	MP3C	X	37.013	.25
29	MP3C	Z	0	.25
30	MP3C	Mx	.009	.25
31	MP3C	X	37.013	5.25
32	MP3C	Z	0	5.25
33	MP3C	Mx	.009	5.25
34	MP4C	X	37.013	.25
35	MP4C	Z	0	.25
36	MP4C	Mx	.009	.25
37	MP4C	X	37.013	5.25
38	MP4C	Z	0	5.25
39	MP4C	Mx	.009	5.25
40	MP4B	X	27.689	.25
41	MP4B	Z	0	.25
42	MP4B	Mx	.007	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	27.689	5.25
44	MP4B	Z	0	5.25
45	MP4B	Mx	.007	5.25
46	MP1C	X	26.63	.25
47	MP1C	Z	0	.25
48	MP1C	Mx	.007	.25
49	MP1C	X	26.63	5.25
50	MP1C	Z	0	5.25
51	MP1C	Mx	.007	5.25
52	MP3A	X	20.237	.25
53	MP3A	Z	0	.25
54	MP3A	Mx	-.01	.25
55	MP3A	X	20.237	5.25
56	MP3A	Z	0	5.25
57	MP3A	Mx	-.01	5.25
58	M101	X	30.055	1
59	M101	Z	0	1
60	M101	Mx	0	1
61	MP1B	X	14.901	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	14.901	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	.004	2.75
67	MP2C	X	14.901	2
68	MP2C	Z	0	2
69	MP2C	Mx	.004	2
70	MP2C	X	14.901	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	.004	3.5
73	MP4A	X	7.697	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	-.004	.5
76	MP4A	X	7.697	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.004	2
79	MP1A	X	10.648	2.25
80	MP1A	Z	0	2.25
81	MP1A	Mx	.005	2.25
82	MP2B	X	13.915	3
83	MP2B	Z	0	3
84	MP2B	Mx	-.003	3
85	MP3C	X	13.915	3
86	MP3C	Z	0	3
87	MP3C	Mx	-.003	3
88	MP2A	X	8.993	3
89	MP2A	Z	0	3
90	MP2A	Mx	.004	3
91	MP3B	X	13.501	3
92	MP3B	Z	0	3
93	MP3B	Mx	-.003	3
94	MP4C	X	13.501	1.5
95	MP4C	Z	0	1.5
96	MP4C	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

Sept 3, 2021
 12:49 PM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	24.667	1
2	M103	Z	14.242	1
3	M103	Mx	0	1
4	MP1A	X	23.101	.25
5	MP1A	Z	13.338	.25
6	MP1A	Mx	-.012	.25
7	MP1A	X	23.101	5.25
8	MP1A	Z	13.338	5.25
9	MP1A	Mx	-.012	5.25
10	MP2A	X	23.101	.25
11	MP2A	Z	13.338	.25
12	MP2A	Mx	-.012	.25
13	MP2A	X	23.101	5.25
14	MP2A	Z	13.338	5.25
15	MP2A	Mx	-.012	5.25
16	MP2B	X	36.531	.25
17	MP2B	Z	21.091	.25
18	MP2B	Mx	0	.25
19	MP2B	X	36.531	5.25
20	MP2B	Z	21.091	5.25
21	MP2B	Mx	0	5.25
22	MP3B	X	36.531	.25
23	MP3B	Z	21.091	.25
24	MP3B	Mx	0	.25
25	MP3B	X	36.531	5.25
26	MP3B	Z	21.091	5.25
27	MP3B	Mx	0	5.25
28	MP3C	X	23.101	.25
29	MP3C	Z	13.338	.25
30	MP3C	Mx	.012	.25
31	MP3C	X	23.101	5.25
32	MP3C	Z	13.338	5.25
33	MP3C	Mx	.012	5.25
34	MP4C	X	23.101	.25
35	MP4C	Z	13.338	.25
36	MP4C	Mx	.012	.25
37	MP4C	X	23.101	5.25
38	MP4C	Z	13.338	5.25
39	MP4C	Mx	.012	5.25
40	MP4B	X	26.201	.25
41	MP4B	Z	15.127	.25
42	MP4B	Mx	0	.25
43	MP4B	X	26.201	5.25
44	MP4B	Z	15.127	5.25
45	MP4B	Mx	0	5.25
46	MP1C	X	19.371	.25
47	MP1C	Z	11.184	.25
48	MP1C	Mx	.01	.25
49	MP1C	X	19.371	5.25
50	MP1C	Z	11.184	5.25
51	MP1C	Mx	.01	5.25
52	MP3A	X	19.371	.25
53	MP3A	Z	11.184	.25
54	MP3A	Mx	-.01	.25
55	MP3A	X	19.371	5.25
56	MP3A	Z	11.184	5.25
57	MP3A	Mx	-.01	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	M101	X	24.667	1
59	M101	Z	14.242	1
60	M101	Mx	0	1
61	MP1B	X	14.984	1.25
62	MP1B	Z	8.651	1.25
63	MP1B	Mx	0	1.25
64	MP1B	X	14.984	2.75
65	MP1B	Z	8.651	2.75
66	MP1B	Mx	0	2.75
67	MP2C	X	8.745	2
68	MP2C	Z	5.049	2
69	MP2C	Mx	.004	2
70	MP2C	X	8.745	3.5
71	MP2C	Z	5.049	3.5
72	MP2C	Mx	.004	3.5
73	MP4A	X	8.745	.5
74	MP4A	Z	5.049	.5
75	MP4A	Mx	-.004	.5
76	MP4A	X	8.745	2
77	MP4A	Z	5.049	2
78	MP4A	Mx	-.004	2
79	MP1A	X	10.165	2.25
80	MP1A	Z	5.869	2.25
81	MP1A	Mx	.005	2.25
82	MP2B	X	12.994	3
83	MP2B	Z	7.502	3
84	MP2B	Mx	0	3
85	MP3C	X	10.165	3
86	MP3C	Z	5.869	3
87	MP3C	Mx	-.005	3
88	MP2A	X	9.09	3
89	MP2A	Z	5.248	3
90	MP2A	Mx	.005	3
91	MP3B	X	12.994	3
92	MP3B	Z	7.502	3
93	MP3B	Mx	0	3
94	MP4C	X	9.09	1.5
95	MP4C	Z	5.248	1.5
96	MP4C	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	12.67	1
2	M103	Z	21.944	1
3	M103	Mx	0	1
4	MP1A	X	18.506	.25
5	MP1A	Z	32.054	.25
6	MP1A	Mx	-.009	.25
7	MP1A	X	18.506	5.25
8	MP1A	Z	32.054	5.25
9	MP1A	Mx	-.009	5.25
10	MP2A	X	18.506	.25
11	MP2A	Z	32.054	.25
12	MP2A	Mx	-.009	.25
13	MP2A	X	18.506	5.25
14	MP2A	Z	32.054	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	-.009	5.25
16	MP2B	X	18.506	.25
17	MP2B	Z	32.054	.25
18	MP2B	Mx	-.009	.25
19	MP2B	X	18.506	5.25
20	MP2B	Z	32.054	5.25
21	MP2B	Mx	-.009	5.25
22	MP3B	X	18.506	.25
23	MP3B	Z	32.054	.25
24	MP3B	Mx	-.009	.25
25	MP3B	X	18.506	5.25
26	MP3B	Z	32.054	5.25
27	MP3B	Mx	-.009	5.25
28	MP3C	X	10.753	.25
29	MP3C	Z	18.625	.25
30	MP3C	Mx	.011	.25
31	MP3C	X	10.753	5.25
32	MP3C	Z	18.625	5.25
33	MP3C	Mx	.011	5.25
34	MP4C	X	10.753	.25
35	MP4C	Z	18.625	.25
36	MP4C	Mx	.011	.25
37	MP4C	X	10.753	5.25
38	MP4C	Z	18.625	5.25
39	MP4C	Mx	.011	5.25
40	MP4B	X	13.845	.25
41	MP4B	Z	23.98	.25
42	MP4B	Mx	-.007	.25
43	MP4B	X	13.845	5.25
44	MP4B	Z	23.98	5.25
45	MP4B	Mx	-.007	5.25
46	MP1C	X	10.118	.25
47	MP1C	Z	17.526	.25
48	MP1C	Mx	.01	.25
49	MP1C	X	10.118	5.25
50	MP1C	Z	17.526	5.25
51	MP1C	Mx	.01	5.25
52	MP3A	X	13.315	.25
53	MP3A	Z	23.062	.25
54	MP3A	Mx	-.007	.25
55	MP3A	X	13.315	5.25
56	MP3A	Z	23.062	5.25
57	MP3A	Mx	-.007	5.25
58	M101	X	12.67	1
59	M101	Z	21.944	1
60	M101	Mx	0	1
61	MP1B	X	7.45	1.25
62	MP1B	Z	12.904	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	7.45	2.75
65	MP1B	Z	12.904	2.75
66	MP1B	Mx	-.004	2.75
67	MP2C	X	3.849	2
68	MP2C	Z	6.666	2
69	MP2C	Mx	.004	2
70	MP2C	X	3.849	3.5
71	MP2C	Z	6.666	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP2C	Mx	.004	3.5
73	MP4A	X	7.45	.5
74	MP4A	Z	12.904	.5
75	MP4A	Mx	-.004	.5
76	MP4A	X	7.45	2
77	MP4A	Z	12.904	2
78	MP4A	Mx	-.004	2
79	MP1A	X	6.958	2.25
80	MP1A	Z	12.051	2.25
81	MP1A	Mx	.003	2.25
82	MP2B	X	6.958	3
83	MP2B	Z	12.051	3
84	MP2B	Mx	.003	3
85	MP3C	X	5.324	3
86	MP3C	Z	9.222	3
87	MP3C	Mx	-.005	3
88	MP2A	X	6.751	3
89	MP2A	Z	11.693	3
90	MP2A	Mx	.003	3
91	MP3B	X	6.751	3
92	MP3B	Z	11.693	3
93	MP3B	Mx	.003	3
94	MP4C	X	4.496	1.5
95	MP4C	Z	7.788	1.5
96	MP4C	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	0	1
2	M103	Z	23.767	1
3	M103	Mx	0	1
4	MP1A	X	0	.25
5	MP1A	Z	42.182	.25
6	MP1A	Mx	0	.25
7	MP1A	X	0	5.25
8	MP1A	Z	42.182	5.25
9	MP1A	Mx	0	5.25
10	MP2A	X	0	.25
11	MP2A	Z	42.182	.25
12	MP2A	Mx	0	.25
13	MP2A	X	0	5.25
14	MP2A	Z	42.182	5.25
15	MP2A	Mx	0	5.25
16	MP2B	X	0	.25
17	MP2B	Z	26.675	.25
18	MP2B	Mx	-.012	.25
19	MP2B	X	0	5.25
20	MP2B	Z	26.675	5.25
21	MP2B	Mx	-.012	5.25
22	MP3B	X	0	.25
23	MP3B	Z	26.675	.25
24	MP3B	Mx	-.012	.25
25	MP3B	X	0	5.25
26	MP3B	Z	26.675	5.25
27	MP3B	Mx	-.012	5.25
28	MP3C	X	0	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	26.675	.25
30	MP3C	Mx	.012	.25
31	MP3C	X	0	5.25
32	MP3C	Z	26.675	5.25
33	MP3C	Mx	.012	5.25
34	MP4C	X	0	.25
35	MP4C	Z	26.675	.25
36	MP4C	Mx	.012	.25
37	MP4C	X	0	5.25
38	MP4C	Z	26.675	5.25
39	MP4C	Mx	.012	5.25
40	MP4B	X	0	.25
41	MP4B	Z	22.56	.25
42	MP4B	Mx	-.01	.25
43	MP4B	X	0	5.25
44	MP4B	Z	22.56	5.25
45	MP4B	Mx	-.01	5.25
46	MP1C	X	0	.25
47	MP1C	Z	22.368	.25
48	MP1C	Mx	.01	.25
49	MP1C	X	0	5.25
50	MP1C	Z	22.368	5.25
51	MP1C	Mx	.01	5.25
52	MP3A	X	0	.25
53	MP3A	Z	28.761	.25
54	MP3A	Mx	0	.25
55	MP3A	X	0	5.25
56	MP3A	Z	28.761	5.25
57	MP3A	Mx	0	5.25
58	M101	X	0	1
59	M101	Z	23.767	1
60	M101	Mx	0	1
61	MP1B	X	0	1.25
62	MP1B	Z	10.098	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	0	2.75
65	MP1B	Z	10.098	2.75
66	MP1B	Mx	-.004	2.75
67	MP2C	X	0	2
68	MP2C	Z	10.098	2
69	MP2C	Mx	.004	2
70	MP2C	X	0	3.5
71	MP2C	Z	10.098	3.5
72	MP2C	Mx	.004	3.5
73	MP4A	X	0	.5
74	MP4A	Z	17.302	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	2
77	MP4A	Z	17.302	2
78	MP4A	Mx	0	2
79	MP1A	X	0	2.25
80	MP1A	Z	15.004	2.25
81	MP1A	Mx	0	2.25
82	MP2B	X	0	3
83	MP2B	Z	11.737	3
84	MP2B	Mx	.005	3
85	MP3C	X	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP3C	Z	11.737	3
87	MP3C	Mx	-.005	3
88	MP2A	X	0	3
89	MP2A	Z	15.004	3
90	MP2A	Mx	0	3
91	MP3B	X	0	3
92	MP3B	Z	10.496	3
93	MP3B	Mx	.005	3
94	MP4C	X	0	1.5
95	MP4C	Z	10.496	1.5
96	MP4C	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-12.67	1
2	M103	Z	21.944	1
3	M103	Mx	0	1
4	MP1A	X	-18.506	.25
5	MP1A	Z	32.054	.25
6	MP1A	Mx	.009	.25
7	MP1A	X	-18.506	5.25
8	MP1A	Z	32.054	5.25
9	MP1A	Mx	.009	5.25
10	MP2A	X	-18.506	.25
11	MP2A	Z	32.054	.25
12	MP2A	Mx	.009	.25
13	MP2A	X	-18.506	5.25
14	MP2A	Z	32.054	5.25
15	MP2A	Mx	.009	5.25
16	MP2B	X	-10.753	.25
17	MP2B	Z	18.625	.25
18	MP2B	Mx	-.011	.25
19	MP2B	X	-10.753	5.25
20	MP2B	Z	18.625	5.25
21	MP2B	Mx	-.011	5.25
22	MP3B	X	-10.753	.25
23	MP3B	Z	18.625	.25
24	MP3B	Mx	-.011	.25
25	MP3B	X	-10.753	5.25
26	MP3B	Z	18.625	5.25
27	MP3B	Mx	-.011	5.25
28	MP3C	X	-18.506	.25
29	MP3C	Z	32.054	.25
30	MP3C	Mx	.009	.25
31	MP3C	X	-18.506	5.25
32	MP3C	Z	32.054	5.25
33	MP3C	Mx	.009	5.25
34	MP4C	X	-18.506	.25
35	MP4C	Z	32.054	.25
36	MP4C	Mx	.009	.25
37	MP4C	X	-18.506	5.25
38	MP4C	Z	32.054	5.25
39	MP4C	Mx	.009	5.25
40	MP4B	X	-9.998	.25
41	MP4B	Z	17.316	.25
42	MP4B	Mx	-.01	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	-9.998	5.25
44	MP4B	Z	17.316	5.25
45	MP4B	Mx	-.01	5.25
46	MP1C	X	-13.315	.25
47	MP1C	Z	23.062	.25
48	MP1C	Mx	.007	.25
49	MP1C	X	-13.315	5.25
50	MP1C	Z	23.062	5.25
51	MP1C	Mx	.007	5.25
52	MP3A	X	-13.315	.25
53	MP3A	Z	23.062	.25
54	MP3A	Mx	.007	.25
55	MP3A	X	-13.315	5.25
56	MP3A	Z	23.062	5.25
57	MP3A	Mx	.007	5.25
58	M101	X	-12.67	1
59	M101	Z	21.944	1
60	M101	Mx	0	1
61	MP1B	X	-3.849	1.25
62	MP1B	Z	6.666	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	-3.849	2.75
65	MP1B	Z	6.666	2.75
66	MP1B	Mx	-.004	2.75
67	MP2C	X	-7.45	2
68	MP2C	Z	12.904	2
69	MP2C	Mx	.004	2
70	MP2C	X	-7.45	3.5
71	MP2C	Z	12.904	3.5
72	MP2C	Mx	.004	3.5
73	MP4A	X	-7.45	.5
74	MP4A	Z	12.904	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-7.45	2
77	MP4A	Z	12.904	2
78	MP4A	Mx	.004	2
79	MP1A	X	-6.958	2.25
80	MP1A	Z	12.051	2.25
81	MP1A	Mx	-.003	2.25
82	MP2B	X	-5.324	3
83	MP2B	Z	9.222	3
84	MP2B	Mx	.005	3
85	MP3C	X	-6.958	3
86	MP3C	Z	12.051	3
87	MP3C	Mx	-.003	3
88	MP2A	X	-6.751	3
89	MP2A	Z	11.693	3
90	MP2A	Mx	-.003	3
91	MP3B	X	-4.496	3
92	MP3B	Z	7.788	3
93	MP3B	Mx	.004	3
94	MP4C	X	-6.751	1.5
95	MP4C	Z	11.693	1.5
96	MP4C	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-24.667	1
2	M103	Z	14.242	1
3	M103	Mx	0	1
4	MP1A	X	-23.101	.25
5	MP1A	Z	13.338	.25
6	MP1A	Mx	.012	.25
7	MP1A	X	-23.101	5.25
8	MP1A	Z	13.338	5.25
9	MP1A	Mx	.012	5.25
10	MP2A	X	-23.101	.25
11	MP2A	Z	13.338	.25
12	MP2A	Mx	.012	.25
13	MP2A	X	-23.101	5.25
14	MP2A	Z	13.338	5.25
15	MP2A	Mx	.012	5.25
16	MP2B	X	-23.101	.25
17	MP2B	Z	13.338	.25
18	MP2B	Mx	-.012	.25
19	MP2B	X	-23.101	5.25
20	MP2B	Z	13.338	5.25
21	MP2B	Mx	-.012	5.25
22	MP3B	X	-23.101	.25
23	MP3B	Z	13.338	.25
24	MP3B	Mx	-.012	.25
25	MP3B	X	-23.101	5.25
26	MP3B	Z	13.338	5.25
27	MP3B	Mx	-.012	5.25
28	MP3C	X	-36.531	.25
29	MP3C	Z	21.091	.25
30	MP3C	Mx	0	.25
31	MP3C	X	-36.531	5.25
32	MP3C	Z	21.091	5.25
33	MP3C	Mx	0	5.25
34	MP4C	X	-36.531	.25
35	MP4C	Z	21.091	.25
36	MP4C	Mx	0	.25
37	MP4C	X	-36.531	5.25
38	MP4C	Z	21.091	5.25
39	MP4C	Mx	0	5.25
40	MP4B	X	-19.537	.25
41	MP4B	Z	11.28	.25
42	MP4B	Mx	-.01	.25
43	MP4B	X	-19.537	5.25
44	MP4B	Z	11.28	5.25
45	MP4B	Mx	-.01	5.25
46	MP1C	X	-24.908	.25
47	MP1C	Z	14.38	.25
48	MP1C	Mx	0	.25
49	MP1C	X	-24.908	5.25
50	MP1C	Z	14.38	5.25
51	MP1C	Mx	0	5.25
52	MP3A	X	-19.371	.25
53	MP3A	Z	11.184	.25
54	MP3A	Mx	.01	.25
55	MP3A	X	-19.371	5.25
56	MP3A	Z	11.184	5.25
57	MP3A	Mx	.01	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	M101	X	-24.667	1
59	M101	Z	14.242	1
60	M101	Mx	0	1
61	MP1B	X	-8.745	1.25
62	MP1B	Z	5.049	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	-8.745	2.75
65	MP1B	Z	5.049	2.75
66	MP1B	Mx	-.004	2.75
67	MP2C	X	-14.984	2
68	MP2C	Z	8.651	2
69	MP2C	Mx	0	2
70	MP2C	X	-14.984	3.5
71	MP2C	Z	8.651	3.5
72	MP2C	Mx	0	3.5
73	MP4A	X	-8.745	.5
74	MP4A	Z	5.049	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-8.745	2
77	MP4A	Z	5.049	2
78	MP4A	Mx	.004	2
79	MP1A	X	-10.165	2.25
80	MP1A	Z	5.869	2.25
81	MP1A	Mx	-.005	2.25
82	MP2B	X	-10.165	3
83	MP2B	Z	5.869	3
84	MP2B	Mx	.005	3
85	MP3C	X	-12.994	3
86	MP3C	Z	7.502	3
87	MP3C	Mx	0	3
88	MP2A	X	-9.09	3
89	MP2A	Z	5.248	3
90	MP2A	Mx	-.005	3
91	MP3B	X	-9.09	3
92	MP3B	Z	5.248	3
93	MP3B	Mx	.005	3
94	MP4C	X	-12.994	1.5
95	MP4C	Z	7.502	1.5
96	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-30.055	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP1A	X	-21.506	.25
5	MP1A	Z	0	.25
6	MP1A	Mx	.011	.25
7	MP1A	X	-21.506	5.25
8	MP1A	Z	0	5.25
9	MP1A	Mx	.011	5.25
10	MP2A	X	-21.506	.25
11	MP2A	Z	0	.25
12	MP2A	Mx	.011	.25
13	MP2A	X	-21.506	5.25
14	MP2A	Z	0	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	.011	5.25
16	MP2B	X	-37.013	.25
17	MP2B	Z	0	.25
18	MP2B	Mx	-.009	.25
19	MP2B	X	-37.013	5.25
20	MP2B	Z	0	5.25
21	MP2B	Mx	-.009	5.25
22	MP3B	X	-37.013	.25
23	MP3B	Z	0	.25
24	MP3B	Mx	-.009	.25
25	MP3B	X	-37.013	5.25
26	MP3B	Z	0	5.25
27	MP3B	Mx	-.009	5.25
28	MP3C	X	-37.013	.25
29	MP3C	Z	0	.25
30	MP3C	Mx	-.009	.25
31	MP3C	X	-37.013	5.25
32	MP3C	Z	0	5.25
33	MP3C	Mx	-.009	5.25
34	MP4C	X	-37.013	.25
35	MP4C	Z	0	.25
36	MP4C	Mx	-.009	.25
37	MP4C	X	-37.013	5.25
38	MP4C	Z	0	5.25
39	MP4C	Mx	-.009	5.25
40	MP4B	X	-27.689	.25
41	MP4B	Z	0	.25
42	MP4B	Mx	-.007	.25
43	MP4B	X	-27.689	5.25
44	MP4B	Z	0	5.25
45	MP4B	Mx	-.007	5.25
46	MP1C	X	-26.63	.25
47	MP1C	Z	0	.25
48	MP1C	Mx	-.007	.25
49	MP1C	X	-26.63	5.25
50	MP1C	Z	0	5.25
51	MP1C	Mx	-.007	5.25
52	MP3A	X	-20.237	.25
53	MP3A	Z	0	.25
54	MP3A	Mx	.01	.25
55	MP3A	X	-20.237	5.25
56	MP3A	Z	0	5.25
57	MP3A	Mx	.01	5.25
58	M101	X	-30.055	1
59	M101	Z	0	1
60	M101	Mx	0	1
61	MP1B	X	-14.901	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	-14.901	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	-.004	2.75
67	MP2C	X	-14.901	2
68	MP2C	Z	0	2
69	MP2C	Mx	-.004	2
70	MP2C	X	-14.901	3.5
71	MP2C	Z	0	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP2C	Mx	-.004	3.5
73	MP4A	X	-7.697	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-7.697	2
77	MP4A	Z	0	2
78	MP4A	Mx	.004	2
79	MP1A	X	-10.648	2.25
80	MP1A	Z	0	2.25
81	MP1A	Mx	-.005	2.25
82	MP2B	X	-13.915	3
83	MP2B	Z	0	3
84	MP2B	Mx	.003	3
85	MP3C	X	-13.915	3
86	MP3C	Z	0	3
87	MP3C	Mx	.003	3
88	MP2A	X	-8.993	3
89	MP2A	Z	0	3
90	MP2A	Mx	-.004	3
91	MP3B	X	-13.501	3
92	MP3B	Z	0	3
93	MP3B	Mx	.003	3
94	MP4C	X	-13.501	1.5
95	MP4C	Z	0	1.5
96	MP4C	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-24.667	1
2	M103	Z	-14.242	1
3	M103	Mx	0	1
4	MP1A	X	-23.101	.25
5	MP1A	Z	-13.338	.25
6	MP1A	Mx	.012	.25
7	MP1A	X	-23.101	5.25
8	MP1A	Z	-13.338	5.25
9	MP1A	Mx	.012	5.25
10	MP2A	X	-23.101	.25
11	MP2A	Z	-13.338	.25
12	MP2A	Mx	.012	.25
13	MP2A	X	-23.101	5.25
14	MP2A	Z	-13.338	5.25
15	MP2A	Mx	.012	5.25
16	MP2B	X	-36.531	.25
17	MP2B	Z	-21.091	.25
18	MP2B	Mx	0	.25
19	MP2B	X	-36.531	5.25
20	MP2B	Z	-21.091	5.25
21	MP2B	Mx	0	5.25
22	MP3B	X	-36.531	.25
23	MP3B	Z	-21.091	.25
24	MP3B	Mx	0	.25
25	MP3B	X	-36.531	5.25
26	MP3B	Z	-21.091	5.25
27	MP3B	Mx	0	5.25
28	MP3C	X	-23.101	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	-13.338	.25
30	MP3C	Mx	-.012	.25
31	MP3C	X	-23.101	5.25
32	MP3C	Z	-13.338	5.25
33	MP3C	Mx	-.012	5.25
34	MP4C	X	-23.101	.25
35	MP4C	Z	-13.338	.25
36	MP4C	Mx	-.012	.25
37	MP4C	X	-23.101	5.25
38	MP4C	Z	-13.338	5.25
39	MP4C	Mx	-.012	5.25
40	MP4B	X	-26.201	.25
41	MP4B	Z	-15.127	.25
42	MP4B	Mx	0	.25
43	MP4B	X	-26.201	5.25
44	MP4B	Z	-15.127	5.25
45	MP4B	Mx	0	5.25
46	MP1C	X	-19.371	.25
47	MP1C	Z	-11.184	.25
48	MP1C	Mx	-.01	.25
49	MP1C	X	-19.371	5.25
50	MP1C	Z	-11.184	5.25
51	MP1C	Mx	-.01	5.25
52	MP3A	X	-19.371	.25
53	MP3A	Z	-11.184	.25
54	MP3A	Mx	.01	.25
55	MP3A	X	-19.371	5.25
56	MP3A	Z	-11.184	5.25
57	MP3A	Mx	.01	5.25
58	M101	X	-24.667	1
59	M101	Z	-14.242	1
60	M101	Mx	0	1
61	MP1B	X	-14.984	1.25
62	MP1B	Z	-8.651	1.25
63	MP1B	Mx	0	1.25
64	MP1B	X	-14.984	2.75
65	MP1B	Z	-8.651	2.75
66	MP1B	Mx	0	2.75
67	MP2C	X	-8.745	2
68	MP2C	Z	-5.049	2
69	MP2C	Mx	-.004	2
70	MP2C	X	-8.745	3.5
71	MP2C	Z	-5.049	3.5
72	MP2C	Mx	-.004	3.5
73	MP4A	X	-8.745	.5
74	MP4A	Z	-5.049	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-8.745	2
77	MP4A	Z	-5.049	2
78	MP4A	Mx	.004	2
79	MP1A	X	-10.165	2.25
80	MP1A	Z	-5.869	2.25
81	MP1A	Mx	-.005	2.25
82	MP2B	X	-12.994	3
83	MP2B	Z	-7.502	3
84	MP2B	Mx	0	3
85	MP3C	X	-10.165	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP3C	Z	-5.869	3
87	MP3C	Mx	.005	3
88	MP2A	X	-9.09	3
89	MP2A	Z	-5.248	3
90	MP2A	Mx	-.005	3
91	MP3B	X	-12.994	3
92	MP3B	Z	-7.502	3
93	MP3B	Mx	0	3
94	MP4C	X	-9.09	1.5
95	MP4C	Z	-5.248	1.5
96	MP4C	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-12.67	1
2	M103	Z	-21.944	1
3	M103	Mx	0	1
4	MP1A	X	-18.506	.25
5	MP1A	Z	-32.054	.25
6	MP1A	Mx	.009	.25
7	MP1A	X	-18.506	5.25
8	MP1A	Z	-32.054	5.25
9	MP1A	Mx	.009	5.25
10	MP2A	X	-18.506	.25
11	MP2A	Z	-32.054	.25
12	MP2A	Mx	.009	.25
13	MP2A	X	-18.506	5.25
14	MP2A	Z	-32.054	5.25
15	MP2A	Mx	.009	5.25
16	MP2B	X	-18.506	.25
17	MP2B	Z	-32.054	.25
18	MP2B	Mx	.009	.25
19	MP2B	X	-18.506	5.25
20	MP2B	Z	-32.054	5.25
21	MP2B	Mx	.009	5.25
22	MP3B	X	-18.506	.25
23	MP3B	Z	-32.054	.25
24	MP3B	Mx	.009	.25
25	MP3B	X	-18.506	5.25
26	MP3B	Z	-32.054	5.25
27	MP3B	Mx	.009	5.25
28	MP3C	X	-10.753	.25
29	MP3C	Z	-18.625	.25
30	MP3C	Mx	-.011	.25
31	MP3C	X	-10.753	5.25
32	MP3C	Z	-18.625	5.25
33	MP3C	Mx	-.011	5.25
34	MP4C	X	-10.753	.25
35	MP4C	Z	-18.625	.25
36	MP4C	Mx	-.011	.25
37	MP4C	X	-10.753	5.25
38	MP4C	Z	-18.625	5.25
39	MP4C	Mx	-.011	5.25
40	MP4B	X	-13.845	.25
41	MP4B	Z	-23.98	.25
42	MP4B	Mx	.007	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	-13.845	5.25
44	MP4B	Z	-23.98	5.25
45	MP4B	Mx	.007	5.25
46	MP1C	X	-10.118	.25
47	MP1C	Z	-17.526	.25
48	MP1C	Mx	-.01	.25
49	MP1C	X	-10.118	5.25
50	MP1C	Z	-17.526	5.25
51	MP1C	Mx	-.01	5.25
52	MP3A	X	-13.315	.25
53	MP3A	Z	-23.062	.25
54	MP3A	Mx	.007	.25
55	MP3A	X	-13.315	5.25
56	MP3A	Z	-23.062	5.25
57	MP3A	Mx	.007	5.25
58	M101	X	-12.67	1
59	M101	Z	-21.944	1
60	M101	Mx	0	1
61	MP1B	X	-7.45	1.25
62	MP1B	Z	-12.904	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	-7.45	2.75
65	MP1B	Z	-12.904	2.75
66	MP1B	Mx	.004	2.75
67	MP2C	X	-3.849	2
68	MP2C	Z	-6.666	2
69	MP2C	Mx	-.004	2
70	MP2C	X	-3.849	3.5
71	MP2C	Z	-6.666	3.5
72	MP2C	Mx	-.004	3.5
73	MP4A	X	-7.45	.5
74	MP4A	Z	-12.904	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-7.45	2
77	MP4A	Z	-12.904	2
78	MP4A	Mx	.004	2
79	MP1A	X	-6.958	2.25
80	MP1A	Z	-12.051	2.25
81	MP1A	Mx	-.003	2.25
82	MP2B	X	-6.958	3
83	MP2B	Z	-12.051	3
84	MP2B	Mx	-.003	3
85	MP3C	X	-5.324	3
86	MP3C	Z	-9.222	3
87	MP3C	Mx	.005	3
88	MP2A	X	-6.751	3
89	MP2A	Z	-11.693	3
90	MP2A	Mx	-.003	3
91	MP3B	X	-6.751	3
92	MP3B	Z	-11.693	3
93	MP3B	Mx	-.003	3
94	MP4C	X	-4.496	1.5
95	MP4C	Z	-7.788	1.5
96	MP4C	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M103	X	0	1
2	M103	Z	-6.839	1
3	M103	Mx	0	1
4	MP1A	X	0	.25
5	MP1A	Z	-13.545	.25
6	MP1A	Mx	0	.25
7	MP1A	X	0	5.25
8	MP1A	Z	-13.545	5.25
9	MP1A	Mx	0	5.25
10	MP2A	X	0	.25
11	MP2A	Z	-13.545	.25
12	MP2A	Mx	0	.25
13	MP2A	X	0	5.25
14	MP2A	Z	-13.545	5.25
15	MP2A	Mx	0	5.25
16	MP2B	X	0	.25
17	MP2B	Z	-8.147	.25
18	MP2B	Mx	.004	.25
19	MP2B	X	0	5.25
20	MP2B	Z	-8.147	5.25
21	MP2B	Mx	.004	5.25
22	MP3B	X	0	.25
23	MP3B	Z	-8.147	.25
24	MP3B	Mx	.004	.25
25	MP3B	X	0	5.25
26	MP3B	Z	-8.147	5.25
27	MP3B	Mx	.004	5.25
28	MP3C	X	0	.25
29	MP3C	Z	-8.147	.25
30	MP3C	Mx	-.004	.25
31	MP3C	X	0	5.25
32	MP3C	Z	-8.147	5.25
33	MP3C	Mx	-.004	5.25
34	MP4C	X	0	.25
35	MP4C	Z	-8.147	.25
36	MP4C	Mx	-.004	.25
37	MP4C	X	0	5.25
38	MP4C	Z	-8.147	5.25
39	MP4C	Mx	-.004	5.25
40	MP4B	X	0	.25
41	MP4B	Z	-6.701	.25
42	MP4B	Mx	.003	.25
43	MP4B	X	0	5.25
44	MP4B	Z	-6.701	5.25
45	MP4B	Mx	.003	5.25
46	MP1C	X	0	.25
47	MP1C	Z	-6.655	.25
48	MP1C	Mx	-.003	.25
49	MP1C	X	0	5.25
50	MP1C	Z	-6.655	5.25
51	MP1C	Mx	-.003	5.25
52	MP3A	X	0	.25
53	MP3A	Z	-8.931	.25
54	MP3A	Mx	0	.25
55	MP3A	X	0	5.25
56	MP3A	Z	-8.931	5.25
57	MP3A	Mx	0	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	M101	X	0	1
59	M101	Z	-6.839	1
60	M101	Mx	0	1
61	MP1B	X	0	1.25
62	MP1B	Z	-2.821	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	0	2.75
65	MP1B	Z	-2.821	2.75
66	MP1B	Mx	.001	2.75
67	MP2C	X	0	2
68	MP2C	Z	-2.821	2
69	MP2C	Mx	-.001	2
70	MP2C	X	0	3.5
71	MP2C	Z	-2.821	3.5
72	MP2C	Mx	-.001	3.5
73	MP4A	X	0	.5
74	MP4A	Z	-5.188	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	2
77	MP4A	Z	-5.188	2
78	MP4A	Mx	0	2
79	MP1A	X	0	2.25
80	MP1A	Z	-4.129	2.25
81	MP1A	Mx	0	2.25
82	MP2B	X	0	3
83	MP2B	Z	-3.102	3
84	MP2B	Mx	-.001	3
85	MP3C	X	0	3
86	MP3C	Z	-3.102	3
87	MP3C	Mx	.001	3
88	MP2A	X	0	3
89	MP2A	Z	-4.129	3
90	MP2A	Mx	0	3
91	MP3B	X	0	3
92	MP3B	Z	-2.709	3
93	MP3B	Mx	-.001	3
94	MP4C	X	0	1.5
95	MP4C	Z	-2.709	1.5
96	MP4C	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	3.685	1
2	M103	Z	-6.383	1
3	M103	Mx	0	1
4	MP1A	X	5.873	.25
5	MP1A	Z	-10.172	.25
6	MP1A	Mx	-.003	.25
7	MP1A	X	5.873	5.25
8	MP1A	Z	-10.172	5.25
9	MP1A	Mx	-.003	5.25
10	MP2A	X	5.873	.25
11	MP2A	Z	-10.172	.25
12	MP2A	Mx	-.003	.25
13	MP2A	X	5.873	5.25
14	MP2A	Z	-10.172	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	-.003	5.25
16	MP2B	X	3.174	.25
17	MP2B	Z	-5.497	.25
18	MP2B	Mx	.003	.25
19	MP2B	X	3.174	5.25
20	MP2B	Z	-5.497	5.25
21	MP2B	Mx	.003	5.25
22	MP3B	X	3.174	.25
23	MP3B	Z	-5.497	.25
24	MP3B	Mx	.003	.25
25	MP3B	X	3.174	5.25
26	MP3B	Z	-5.497	5.25
27	MP3B	Mx	.003	5.25
28	MP3C	X	5.873	.25
29	MP3C	Z	-10.172	.25
30	MP3C	Mx	-.003	.25
31	MP3C	X	5.873	5.25
32	MP3C	Z	-10.172	5.25
33	MP3C	Mx	-.003	5.25
34	MP4C	X	5.873	.25
35	MP4C	Z	-10.172	.25
36	MP4C	Mx	-.003	.25
37	MP4C	X	5.873	5.25
38	MP4C	Z	-10.172	5.25
39	MP4C	Mx	-.003	5.25
40	MP4B	X	2.894	.25
41	MP4B	Z	-5.012	.25
42	MP4B	Mx	.003	.25
43	MP4B	X	2.894	5.25
44	MP4B	Z	-5.012	5.25
45	MP4B	Mx	.003	5.25
46	MP1C	X	4.086	.25
47	MP1C	Z	-7.077	.25
48	MP1C	Mx	-.002	.25
49	MP1C	X	4.086	5.25
50	MP1C	Z	-7.077	5.25
51	MP1C	Mx	-.002	5.25
52	MP3A	X	4.086	.25
53	MP3A	Z	-7.077	.25
54	MP3A	Mx	-.002	.25
55	MP3A	X	4.086	5.25
56	MP3A	Z	-7.077	5.25
57	MP3A	Mx	-.002	5.25
58	M101	X	3.685	1
59	M101	Z	-6.383	1
60	M101	Mx	0	1
61	MP1B	X	1.016	1.25
62	MP1B	Z	-1.759	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	1.016	2.75
65	MP1B	Z	-1.759	2.75
66	MP1B	Mx	.001	2.75
67	MP2C	X	2.2	2
68	MP2C	Z	-3.81	2
69	MP2C	Mx	-.001	2
70	MP2C	X	2.2	3.5
71	MP2C	Z	-3.81	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
72	MP2C	Mx	-0.01	3.5
73	MP4A	X	2.2	.5
74	MP4A	Z	-3.81	.5
75	MP4A	Mx	-0.01	.5
76	MP4A	X	2.2	2
77	MP4A	Z	-3.81	2
78	MP4A	Mx	-0.01	2
79	MP1A	X	1.893	2.25
80	MP1A	Z	-3.279	2.25
81	MP1A	Mx	.000947	2.25
82	MP2B	X	1.38	3
83	MP2B	Z	-2.39	3
84	MP2B	Mx	-0.01	3
85	MP3C	X	1.893	3
86	MP3C	Z	-3.279	3
87	MP3C	Mx	.000947	3
88	MP2A	X	1.828	3
89	MP2A	Z	-3.166	3
90	MP2A	Mx	.000914	3
91	MP3B	X	1.118	3
92	MP3B	Z	-1.936	3
93	MP3B	Mx	-0.01	3
94	MP4C	X	1.828	1.5
95	MP4C	Z	-3.166	1.5
96	MP4C	Mx	.000914	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	7.303	1
2	M103	Z	-4.216	1
3	M103	Mx	0	1
4	MP1A	X	7.055	.25
5	MP1A	Z	-4.073	.25
6	MP1A	Mx	-0.04	.25
7	MP1A	X	7.055	5.25
8	MP1A	Z	-4.073	5.25
9	MP1A	Mx	-0.04	5.25
10	MP2A	X	7.055	.25
11	MP2A	Z	-4.073	.25
12	MP2A	Mx	-0.04	.25
13	MP2A	X	7.055	5.25
14	MP2A	Z	-4.073	5.25
15	MP2A	Mx	-0.04	5.25
16	MP2B	X	7.055	.25
17	MP2B	Z	-4.073	.25
18	MP2B	Mx	.004	.25
19	MP2B	X	7.055	5.25
20	MP2B	Z	-4.073	5.25
21	MP2B	Mx	.004	5.25
22	MP3B	X	7.055	.25
23	MP3B	Z	-4.073	.25
24	MP3B	Mx	.004	.25
25	MP3B	X	7.055	5.25
26	MP3B	Z	-4.073	5.25
27	MP3B	Mx	.004	5.25
28	MP3C	X	11.73	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	-6.773	.25
30	MP3C	Mx	0	.25
31	MP3C	X	11.73	5.25
32	MP3C	Z	-6.773	5.25
33	MP3C	Mx	0	5.25
34	MP4C	X	11.73	.25
35	MP4C	Z	-6.773	.25
36	MP4C	Mx	0	.25
37	MP4C	X	11.73	5.25
38	MP4C	Z	-6.773	5.25
39	MP4C	Mx	0	5.25
40	MP4B	X	5.803	.25
41	MP4B	Z	-3.35	.25
42	MP4B	Mx	.003	.25
43	MP4B	X	5.803	5.25
44	MP4B	Z	-3.35	5.25
45	MP4B	Mx	.003	5.25
46	MP1C	X	7.734	.25
47	MP1C	Z	-4.465	.25
48	MP1C	Mx	0	.25
49	MP1C	X	7.734	5.25
50	MP1C	Z	-4.465	5.25
51	MP1C	Mx	0	5.25
52	MP3A	X	5.764	.25
53	MP3A	Z	-3.328	.25
54	MP3A	Mx	-.003	.25
55	MP3A	X	5.764	5.25
56	MP3A	Z	-3.328	5.25
57	MP3A	Mx	-.003	5.25
58	M101	X	7.303	1
59	M101	Z	-4.216	1
60	M101	Mx	0	1
61	MP1B	X	2.443	1.25
62	MP1B	Z	-1.41	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	2.443	2.75
65	MP1B	Z	-1.41	2.75
66	MP1B	Mx	.001	2.75
67	MP2C	X	4.493	2
68	MP2C	Z	-2.594	2
69	MP2C	Mx	0	2
70	MP2C	X	4.493	3.5
71	MP2C	Z	-2.594	3.5
72	MP2C	Mx	0	3.5
73	MP4A	X	2.443	.5
74	MP4A	Z	-1.41	.5
75	MP4A	Mx	-.001	.5
76	MP4A	X	2.443	2
77	MP4A	Z	-1.41	2
78	MP4A	Mx	-.001	2
79	MP1A	X	2.686	2.25
80	MP1A	Z	-1.551	2.25
81	MP1A	Mx	.001	2.25
82	MP2B	X	2.686	3
83	MP2B	Z	-1.551	3
84	MP2B	Mx	-.001	3
85	MP3C	X	3.576	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
86	MP3C	Z	-2.064	3
87	MP3C	Mx	0	3
88	MP2A	X	2.346	3
89	MP2A	Z	-1.354	3
90	MP2A	Mx	.001	3
91	MP3B	X	2.346	3
92	MP3B	Z	-1.354	3
93	MP3B	Mx	-.001	3
94	MP4C	X	3.576	1.5
95	MP4C	Z	-2.064	1.5
96	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M103	X	8.964	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP1A	X	6.348	.25
5	MP1A	Z	0	.25
6	MP1A	Mx	-.003	.25
7	MP1A	X	6.348	5.25
8	MP1A	Z	0	5.25
9	MP1A	Mx	-.003	5.25
10	MP2A	X	6.348	.25
11	MP2A	Z	0	.25
12	MP2A	Mx	-.003	.25
13	MP2A	X	6.348	5.25
14	MP2A	Z	0	5.25
15	MP2A	Mx	-.003	5.25
16	MP2B	X	11.746	.25
17	MP2B	Z	0	.25
18	MP2B	Mx	.003	.25
19	MP2B	X	11.746	5.25
20	MP2B	Z	0	5.25
21	MP2B	Mx	.003	5.25
22	MP3B	X	11.746	.25
23	MP3B	Z	0	.25
24	MP3B	Mx	.003	.25
25	MP3B	X	11.746	5.25
26	MP3B	Z	0	5.25
27	MP3B	Mx	.003	5.25
28	MP3C	X	11.746	.25
29	MP3C	Z	0	.25
30	MP3C	Mx	.003	.25
31	MP3C	X	11.746	5.25
32	MP3C	Z	0	5.25
33	MP3C	Mx	.003	5.25
34	MP4C	X	11.746	.25
35	MP4C	Z	0	.25
36	MP4C	Mx	.003	.25
37	MP4C	X	11.746	5.25
38	MP4C	Z	0	5.25
39	MP4C	Mx	.003	5.25
40	MP4B	X	8.526	.25
41	MP4B	Z	0	.25
42	MP4B	Mx	.002	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	8.526	5.25
44	MP4B	Z	0	5.25
45	MP4B	Mx	.002	5.25
46	MP1C	X	8.172	.25
47	MP1C	Z	0	.25
48	MP1C	Mx	.002	.25
49	MP1C	X	8.172	5.25
50	MP1C	Z	0	5.25
51	MP1C	Mx	.002	5.25
52	MP3A	X	5.897	.25
53	MP3A	Z	0	.25
54	MP3A	Mx	-.003	.25
55	MP3A	X	5.897	5.25
56	MP3A	Z	0	5.25
57	MP3A	Mx	-.003	5.25
58	M101	X	8.964	1
59	M101	Z	0	1
60	M101	Mx	0	1
61	MP1B	X	4.399	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	4.399	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	.001	2.75
67	MP2C	X	4.399	2
68	MP2C	Z	0	2
69	MP2C	Mx	.001	2
70	MP2C	X	4.399	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	.001	3.5
73	MP4A	X	2.031	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	-.001	.5
76	MP4A	X	2.031	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.001	2
79	MP1A	X	2.76	2.25
80	MP1A	Z	0	2.25
81	MP1A	Mx	.001	2.25
82	MP2B	X	3.786	3
83	MP2B	Z	0	3
84	MP2B	Mx	-.000947	3
85	MP3C	X	3.786	3
86	MP3C	Z	0	3
87	MP3C	Mx	-.000947	3
88	MP2A	X	2.235	3
89	MP2A	Z	0	3
90	MP2A	Mx	.001	3
91	MP3B	X	3.655	3
92	MP3B	Z	0	3
93	MP3B	Mx	-.000914	3
94	MP4C	X	3.655	1.5
95	MP4C	Z	0	1.5
96	MP4C	Mx	-.000914	1.5

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	7.303	1
2	M103	Z	4.216	1
3	M103	Mx	0	1
4	MP1A	X	7.055	.25
5	MP1A	Z	4.073	.25
6	MP1A	Mx	-.004	.25
7	MP1A	X	7.055	5.25
8	MP1A	Z	4.073	5.25
9	MP1A	Mx	-.004	5.25
10	MP2A	X	7.055	.25
11	MP2A	Z	4.073	.25
12	MP2A	Mx	-.004	.25
13	MP2A	X	7.055	5.25
14	MP2A	Z	4.073	5.25
15	MP2A	Mx	-.004	5.25
16	MP2B	X	11.73	.25
17	MP2B	Z	6.773	.25
18	MP2B	Mx	0	.25
19	MP2B	X	11.73	5.25
20	MP2B	Z	6.773	5.25
21	MP2B	Mx	0	5.25
22	MP3B	X	11.73	.25
23	MP3B	Z	6.773	.25
24	MP3B	Mx	0	.25
25	MP3B	X	11.73	5.25
26	MP3B	Z	6.773	5.25
27	MP3B	Mx	0	5.25
28	MP3C	X	7.055	.25
29	MP3C	Z	4.073	.25
30	MP3C	Mx	.004	.25
31	MP3C	X	7.055	5.25
32	MP3C	Z	4.073	5.25
33	MP3C	Mx	.004	5.25
34	MP4C	X	7.055	.25
35	MP4C	Z	4.073	.25
36	MP4C	Mx	.004	.25
37	MP4C	X	7.055	5.25
38	MP4C	Z	4.073	5.25
39	MP4C	Mx	.004	5.25
40	MP4B	X	8.174	.25
41	MP4B	Z	4.719	.25
42	MP4B	Mx	0	.25
43	MP4B	X	8.174	5.25
44	MP4B	Z	4.719	5.25
45	MP4B	Mx	0	5.25
46	MP1C	X	5.764	.25
47	MP1C	Z	3.328	.25
48	MP1C	Mx	.003	.25
49	MP1C	X	5.764	5.25
50	MP1C	Z	3.328	5.25
51	MP1C	Mx	.003	5.25
52	MP3A	X	5.764	.25
53	MP3A	Z	3.328	.25
54	MP3A	Mx	-.003	.25
55	MP3A	X	5.764	5.25
56	MP3A	Z	3.328	5.25
57	MP3A	Mx	-.003	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	M101	X	7.303	1
59	M101	Z	4.216	1
60	M101	Mx	0	1
61	MP1B	X	4.493	1.25
62	MP1B	Z	2.594	1.25
63	MP1B	Mx	0	1.25
64	MP1B	X	4.493	2.75
65	MP1B	Z	2.594	2.75
66	MP1B	Mx	0	2.75
67	MP2C	X	2.443	2
68	MP2C	Z	1.41	2
69	MP2C	Mx	.001	2
70	MP2C	X	2.443	3.5
71	MP2C	Z	1.41	3.5
72	MP2C	Mx	.001	3.5
73	MP4A	X	2.443	.5
74	MP4A	Z	1.41	.5
75	MP4A	Mx	-.001	.5
76	MP4A	X	2.443	2
77	MP4A	Z	1.41	2
78	MP4A	Mx	-.001	2
79	MP1A	X	2.686	2.25
80	MP1A	Z	1.551	2.25
81	MP1A	Mx	.001	2.25
82	MP2B	X	3.576	3
83	MP2B	Z	2.064	3
84	MP2B	Mx	0	3
85	MP3C	X	2.686	3
86	MP3C	Z	1.551	3
87	MP3C	Mx	-.001	3
88	MP2A	X	2.346	3
89	MP2A	Z	1.354	3
90	MP2A	Mx	.001	3
91	MP3B	X	3.576	3
92	MP3B	Z	2.064	3
93	MP3B	Mx	0	3
94	MP4C	X	2.346	1.5
95	MP4C	Z	1.354	1.5
96	MP4C	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	3.685	1
2	M103	Z	6.383	1
3	M103	Mx	0	1
4	MP1A	X	5.873	.25
5	MP1A	Z	10.172	.25
6	MP1A	Mx	-.003	.25
7	MP1A	X	5.873	5.25
8	MP1A	Z	10.172	5.25
9	MP1A	Mx	-.003	5.25
10	MP2A	X	5.873	.25
11	MP2A	Z	10.172	.25
12	MP2A	Mx	-.003	.25
13	MP2A	X	5.873	5.25
14	MP2A	Z	10.172	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	-.003	5.25
16	MP2B	X	5.873	.25
17	MP2B	Z	10.172	.25
18	MP2B	Mx	-.003	.25
19	MP2B	X	5.873	5.25
20	MP2B	Z	10.172	5.25
21	MP2B	Mx	-.003	5.25
22	MP3B	X	5.873	.25
23	MP3B	Z	10.172	.25
24	MP3B	Mx	-.003	.25
25	MP3B	X	5.873	5.25
26	MP3B	Z	10.172	5.25
27	MP3B	Mx	-.003	5.25
28	MP3C	X	3.174	.25
29	MP3C	Z	5.497	.25
30	MP3C	Mx	.003	.25
31	MP3C	X	3.174	5.25
32	MP3C	Z	5.497	5.25
33	MP3C	Mx	.003	5.25
34	MP4C	X	3.174	.25
35	MP4C	Z	5.497	.25
36	MP4C	Mx	.003	.25
37	MP4C	X	3.174	5.25
38	MP4C	Z	5.497	5.25
39	MP4C	Mx	.003	5.25
40	MP4B	X	4.263	.25
41	MP4B	Z	7.384	.25
42	MP4B	Mx	-.002	.25
43	MP4B	X	4.263	5.25
44	MP4B	Z	7.384	5.25
45	MP4B	Mx	-.002	5.25
46	MP1C	X	2.948	.25
47	MP1C	Z	5.107	.25
48	MP1C	Mx	.003	.25
49	MP1C	X	2.948	5.25
50	MP1C	Z	5.107	5.25
51	MP1C	Mx	.003	5.25
52	MP3A	X	4.086	.25
53	MP3A	Z	7.077	.25
54	MP3A	Mx	-.002	.25
55	MP3A	X	4.086	5.25
56	MP3A	Z	7.077	5.25
57	MP3A	Mx	-.002	5.25
58	M101	X	3.685	1
59	M101	Z	6.383	1
60	M101	Mx	0	1
61	MP1B	X	2.2	1.25
62	MP1B	Z	3.81	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	2.2	2.75
65	MP1B	Z	3.81	2.75
66	MP1B	Mx	-.001	2.75
67	MP2C	X	1.016	2
68	MP2C	Z	1.759	2
69	MP2C	Mx	.001	2
70	MP2C	X	1.016	3.5
71	MP2C	Z	1.759	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP2C	Mx	.001	3.5
73	MP4A	X	2.2	.5
74	MP4A	Z	3.81	.5
75	MP4A	Mx	-.001	.5
76	MP4A	X	2.2	2
77	MP4A	Z	3.81	2
78	MP4A	Mx	-.001	2
79	MP1A	X	1.893	2.25
80	MP1A	Z	3.279	2.25
81	MP1A	Mx	.000947	2.25
82	MP2B	X	1.893	3
83	MP2B	Z	3.279	3
84	MP2B	Mx	.000947	3
85	MP3C	X	1.38	3
86	MP3C	Z	2.39	3
87	MP3C	Mx	-.001	3
88	MP2A	X	1.828	3
89	MP2A	Z	3.166	3
90	MP2A	Mx	.000914	3
91	MP3B	X	1.828	3
92	MP3B	Z	3.166	3
93	MP3B	Mx	.000914	3
94	MP4C	X	1.118	1.5
95	MP4C	Z	1.936	1.5
96	MP4C	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	0	1
2	M103	Z	6.839	1
3	M103	Mx	0	1
4	MP1A	X	0	.25
5	MP1A	Z	13.545	.25
6	MP1A	Mx	0	.25
7	MP1A	X	0	5.25
8	MP1A	Z	13.545	5.25
9	MP1A	Mx	0	5.25
10	MP2A	X	0	.25
11	MP2A	Z	13.545	.25
12	MP2A	Mx	0	.25
13	MP2A	X	0	5.25
14	MP2A	Z	13.545	5.25
15	MP2A	Mx	0	5.25
16	MP2B	X	0	.25
17	MP2B	Z	8.147	.25
18	MP2B	Mx	-.004	.25
19	MP2B	X	0	5.25
20	MP2B	Z	8.147	5.25
21	MP2B	Mx	-.004	5.25
22	MP3B	X	0	.25
23	MP3B	Z	8.147	.25
24	MP3B	Mx	-.004	.25
25	MP3B	X	0	5.25
26	MP3B	Z	8.147	5.25
27	MP3B	Mx	-.004	5.25
28	MP3C	X	0	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	8.147	.25
30	MP3C	Mx	.004	.25
31	MP3C	X	0	5.25
32	MP3C	Z	8.147	5.25
33	MP3C	Mx	.004	5.25
34	MP4C	X	0	.25
35	MP4C	Z	8.147	.25
36	MP4C	Mx	.004	.25
37	MP4C	X	0	5.25
38	MP4C	Z	8.147	5.25
39	MP4C	Mx	.004	5.25
40	MP4B	X	0	.25
41	MP4B	Z	6.701	.25
42	MP4B	Mx	-.003	.25
43	MP4B	X	0	5.25
44	MP4B	Z	6.701	5.25
45	MP4B	Mx	-.003	5.25
46	MP1C	X	0	.25
47	MP1C	Z	6.655	.25
48	MP1C	Mx	.003	.25
49	MP1C	X	0	5.25
50	MP1C	Z	6.655	5.25
51	MP1C	Mx	.003	5.25
52	MP3A	X	0	.25
53	MP3A	Z	8.931	.25
54	MP3A	Mx	0	.25
55	MP3A	X	0	5.25
56	MP3A	Z	8.931	5.25
57	MP3A	Mx	0	5.25
58	M101	X	0	1
59	M101	Z	6.839	1
60	M101	Mx	0	1
61	MP1B	X	0	1.25
62	MP1B	Z	2.821	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	0	2.75
65	MP1B	Z	2.821	2.75
66	MP1B	Mx	-.001	2.75
67	MP2C	X	0	2
68	MP2C	Z	2.821	2
69	MP2C	Mx	.001	2
70	MP2C	X	0	3.5
71	MP2C	Z	2.821	3.5
72	MP2C	Mx	.001	3.5
73	MP4A	X	0	.5
74	MP4A	Z	5.188	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	2
77	MP4A	Z	5.188	2
78	MP4A	Mx	0	2
79	MP1A	X	0	2.25
80	MP1A	Z	4.129	2.25
81	MP1A	Mx	0	2.25
82	MP2B	X	0	3
83	MP2B	Z	3.102	3
84	MP2B	Mx	.001	3
85	MP3C	X	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP3C	Z	3.102	3
87	MP3C	Mx	-.001	3
88	MP2A	X	0	3
89	MP2A	Z	4.129	3
90	MP2A	Mx	0	3
91	MP3B	X	0	3
92	MP3B	Z	2.709	3
93	MP3B	Mx	.001	3
94	MP4C	X	0	1.5
95	MP4C	Z	2.709	1.5
96	MP4C	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-3.685	1
2	M103	Z	6.383	1
3	M103	Mx	0	1
4	MP1A	X	-5.873	.25
5	MP1A	Z	10.172	.25
6	MP1A	Mx	.003	.25
7	MP1A	X	-5.873	5.25
8	MP1A	Z	10.172	5.25
9	MP1A	Mx	.003	5.25
10	MP2A	X	-5.873	.25
11	MP2A	Z	10.172	.25
12	MP2A	Mx	.003	.25
13	MP2A	X	-5.873	5.25
14	MP2A	Z	10.172	5.25
15	MP2A	Mx	.003	5.25
16	MP2B	X	-3.174	.25
17	MP2B	Z	5.497	.25
18	MP2B	Mx	-.003	.25
19	MP2B	X	-3.174	5.25
20	MP2B	Z	5.497	5.25
21	MP2B	Mx	-.003	5.25
22	MP3B	X	-3.174	.25
23	MP3B	Z	5.497	.25
24	MP3B	Mx	-.003	.25
25	MP3B	X	-3.174	5.25
26	MP3B	Z	5.497	5.25
27	MP3B	Mx	-.003	5.25
28	MP3C	X	-5.873	.25
29	MP3C	Z	10.172	.25
30	MP3C	Mx	.003	.25
31	MP3C	X	-5.873	5.25
32	MP3C	Z	10.172	5.25
33	MP3C	Mx	.003	5.25
34	MP4C	X	-5.873	.25
35	MP4C	Z	10.172	.25
36	MP4C	Mx	.003	.25
37	MP4C	X	-5.873	5.25
38	MP4C	Z	10.172	5.25
39	MP4C	Mx	.003	5.25
40	MP4B	X	-2.894	.25
41	MP4B	Z	5.012	.25
42	MP4B	Mx	-.003	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	-2.894	5.25
44	MP4B	Z	5.012	5.25
45	MP4B	Mx	-.003	5.25
46	MP1C	X	-4.086	.25
47	MP1C	Z	7.077	.25
48	MP1C	Mx	.002	.25
49	MP1C	X	-4.086	5.25
50	MP1C	Z	7.077	5.25
51	MP1C	Mx	.002	5.25
52	MP3A	X	-4.086	.25
53	MP3A	Z	7.077	.25
54	MP3A	Mx	.002	.25
55	MP3A	X	-4.086	5.25
56	MP3A	Z	7.077	5.25
57	MP3A	Mx	.002	5.25
58	M101	X	-3.685	1
59	M101	Z	6.383	1
60	M101	Mx	0	1
61	MP1B	X	-1.016	1.25
62	MP1B	Z	1.759	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-1.016	2.75
65	MP1B	Z	1.759	2.75
66	MP1B	Mx	-.001	2.75
67	MP2C	X	-2.2	2
68	MP2C	Z	3.81	2
69	MP2C	Mx	.001	2
70	MP2C	X	-2.2	3.5
71	MP2C	Z	3.81	3.5
72	MP2C	Mx	.001	3.5
73	MP4A	X	-2.2	.5
74	MP4A	Z	3.81	.5
75	MP4A	Mx	.001	.5
76	MP4A	X	-2.2	2
77	MP4A	Z	3.81	2
78	MP4A	Mx	.001	2
79	MP1A	X	-1.893	2.25
80	MP1A	Z	3.279	2.25
81	MP1A	Mx	-.000947	2.25
82	MP2B	X	-1.38	3
83	MP2B	Z	2.39	3
84	MP2B	Mx	.001	3
85	MP3C	X	-1.893	3
86	MP3C	Z	3.279	3
87	MP3C	Mx	-.000947	3
88	MP2A	X	-1.828	3
89	MP2A	Z	3.166	3
90	MP2A	Mx	-.000914	3
91	MP3B	X	-1.118	3
92	MP3B	Z	1.936	3
93	MP3B	Mx	.001	3
94	MP4C	X	-1.828	1.5
95	MP4C	Z	3.166	1.5
96	MP4C	Mx	-.000914	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-7.303	1
2	M103	Z	4.216	1
3	M103	Mx	0	1
4	MP1A	X	-7.055	.25
5	MP1A	Z	4.073	.25
6	MP1A	Mx	.004	.25
7	MP1A	X	-7.055	5.25
8	MP1A	Z	4.073	5.25
9	MP1A	Mx	.004	5.25
10	MP2A	X	-7.055	.25
11	MP2A	Z	4.073	.25
12	MP2A	Mx	.004	.25
13	MP2A	X	-7.055	5.25
14	MP2A	Z	4.073	5.25
15	MP2A	Mx	.004	5.25
16	MP2B	X	-7.055	.25
17	MP2B	Z	4.073	.25
18	MP2B	Mx	-.004	.25
19	MP2B	X	-7.055	5.25
20	MP2B	Z	4.073	5.25
21	MP2B	Mx	-.004	5.25
22	MP3B	X	-7.055	.25
23	MP3B	Z	4.073	.25
24	MP3B	Mx	-.004	.25
25	MP3B	X	-7.055	5.25
26	MP3B	Z	4.073	5.25
27	MP3B	Mx	-.004	5.25
28	MP3C	X	-11.73	.25
29	MP3C	Z	6.773	.25
30	MP3C	Mx	0	.25
31	MP3C	X	-11.73	5.25
32	MP3C	Z	6.773	5.25
33	MP3C	Mx	0	5.25
34	MP4C	X	-11.73	.25
35	MP4C	Z	6.773	.25
36	MP4C	Mx	0	.25
37	MP4C	X	-11.73	5.25
38	MP4C	Z	6.773	5.25
39	MP4C	Mx	0	5.25
40	MP4B	X	-5.803	.25
41	MP4B	Z	3.35	.25
42	MP4B	Mx	-.003	.25
43	MP4B	X	-5.803	5.25
44	MP4B	Z	3.35	5.25
45	MP4B	Mx	-.003	5.25
46	MP1C	X	-7.734	.25
47	MP1C	Z	4.465	.25
48	MP1C	Mx	0	.25
49	MP1C	X	-7.734	5.25
50	MP1C	Z	4.465	5.25
51	MP1C	Mx	0	5.25
52	MP3A	X	-5.764	.25
53	MP3A	Z	3.328	.25
54	MP3A	Mx	.003	.25
55	MP3A	X	-5.764	5.25
56	MP3A	Z	3.328	5.25
57	MP3A	Mx	.003	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	M101	X	-7.303	1
59	M101	Z	4.216	1
60	M101	Mx	0	1
61	MP1B	X	-2.443	1.25
62	MP1B	Z	1.41	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-2.443	2.75
65	MP1B	Z	1.41	2.75
66	MP1B	Mx	-.001	2.75
67	MP2C	X	-4.493	2
68	MP2C	Z	2.594	2
69	MP2C	Mx	0	2
70	MP2C	X	-4.493	3.5
71	MP2C	Z	2.594	3.5
72	MP2C	Mx	0	3.5
73	MP4A	X	-2.443	.5
74	MP4A	Z	1.41	.5
75	MP4A	Mx	.001	.5
76	MP4A	X	-2.443	2
77	MP4A	Z	1.41	2
78	MP4A	Mx	.001	2
79	MP1A	X	-2.686	2.25
80	MP1A	Z	1.551	2.25
81	MP1A	Mx	-.001	2.25
82	MP2B	X	-2.686	3
83	MP2B	Z	1.551	3
84	MP2B	Mx	.001	3
85	MP3C	X	-3.576	3
86	MP3C	Z	2.064	3
87	MP3C	Mx	0	3
88	MP2A	X	-2.346	3
89	MP2A	Z	1.354	3
90	MP2A	Mx	-.001	3
91	MP3B	X	-2.346	3
92	MP3B	Z	1.354	3
93	MP3B	Mx	.001	3
94	MP4C	X	-3.576	1.5
95	MP4C	Z	2.064	1.5
96	MP4C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-8.964	1
2	M103	Z	0	1
3	M103	Mx	0	1
4	MP1A	X	-6.348	.25
5	MP1A	Z	0	.25
6	MP1A	Mx	.003	.25
7	MP1A	X	-6.348	5.25
8	MP1A	Z	0	5.25
9	MP1A	Mx	.003	5.25
10	MP2A	X	-6.348	.25
11	MP2A	Z	0	.25
12	MP2A	Mx	.003	.25
13	MP2A	X	-6.348	5.25
14	MP2A	Z	0	5.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP2A	Mx	.003	5.25
16	MP2B	X	-11.746	.25
17	MP2B	Z	0	.25
18	MP2B	Mx	-.003	.25
19	MP2B	X	-11.746	5.25
20	MP2B	Z	0	5.25
21	MP2B	Mx	-.003	5.25
22	MP3B	X	-11.746	.25
23	MP3B	Z	0	.25
24	MP3B	Mx	-.003	.25
25	MP3B	X	-11.746	5.25
26	MP3B	Z	0	5.25
27	MP3B	Mx	-.003	5.25
28	MP3C	X	-11.746	.25
29	MP3C	Z	0	.25
30	MP3C	Mx	-.003	.25
31	MP3C	X	-11.746	5.25
32	MP3C	Z	0	5.25
33	MP3C	Mx	-.003	5.25
34	MP4C	X	-11.746	.25
35	MP4C	Z	0	.25
36	MP4C	Mx	-.003	.25
37	MP4C	X	-11.746	5.25
38	MP4C	Z	0	5.25
39	MP4C	Mx	-.003	5.25
40	MP4B	X	-8.526	.25
41	MP4B	Z	0	.25
42	MP4B	Mx	-.002	.25
43	MP4B	X	-8.526	5.25
44	MP4B	Z	0	5.25
45	MP4B	Mx	-.002	5.25
46	MP1C	X	-8.172	.25
47	MP1C	Z	0	.25
48	MP1C	Mx	-.002	.25
49	MP1C	X	-8.172	5.25
50	MP1C	Z	0	5.25
51	MP1C	Mx	-.002	5.25
52	MP3A	X	-5.897	.25
53	MP3A	Z	0	.25
54	MP3A	Mx	.003	.25
55	MP3A	X	-5.897	5.25
56	MP3A	Z	0	5.25
57	MP3A	Mx	.003	5.25
58	M101	X	-8.964	1
59	M101	Z	0	1
60	M101	Mx	0	1
61	MP1B	X	-4.399	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-4.399	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	-.001	2.75
67	MP2C	X	-4.399	2
68	MP2C	Z	0	2
69	MP2C	Mx	-.001	2
70	MP2C	X	-4.399	3.5
71	MP2C	Z	0	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP2C	Mx	-.001	3.5
73	MP4A	X	-2.031	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	.001	.5
76	MP4A	X	-2.031	2
77	MP4A	Z	0	2
78	MP4A	Mx	.001	2
79	MP1A	X	-2.76	2.25
80	MP1A	Z	0	2.25
81	MP1A	Mx	-.001	2.25
82	MP2B	X	-3.786	3
83	MP2B	Z	0	3
84	MP2B	Mx	.000947	3
85	MP3C	X	-3.786	3
86	MP3C	Z	0	3
87	MP3C	Mx	.000947	3
88	MP2A	X	-2.235	3
89	MP2A	Z	0	3
90	MP2A	Mx	-.001	3
91	MP3B	X	-3.655	3
92	MP3B	Z	0	3
93	MP3B	Mx	.000914	3
94	MP4C	X	-3.655	1.5
95	MP4C	Z	0	1.5
96	MP4C	Mx	.000914	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M103	X	-7.303	1
2	M103	Z	-4.216	1
3	M103	Mx	0	1
4	MP1A	X	-7.055	.25
5	MP1A	Z	-4.073	.25
6	MP1A	Mx	.004	.25
7	MP1A	X	-7.055	5.25
8	MP1A	Z	-4.073	5.25
9	MP1A	Mx	.004	5.25
10	MP2A	X	-7.055	.25
11	MP2A	Z	-4.073	.25
12	MP2A	Mx	.004	.25
13	MP2A	X	-7.055	5.25
14	MP2A	Z	-4.073	5.25
15	MP2A	Mx	.004	5.25
16	MP2B	X	-11.73	.25
17	MP2B	Z	-6.773	.25
18	MP2B	Mx	0	.25
19	MP2B	X	-11.73	5.25
20	MP2B	Z	-6.773	5.25
21	MP2B	Mx	0	5.25
22	MP3B	X	-11.73	.25
23	MP3B	Z	-6.773	.25
24	MP3B	Mx	0	.25
25	MP3B	X	-11.73	5.25
26	MP3B	Z	-6.773	5.25
27	MP3B	Mx	0	5.25
28	MP3C	X	-7.055	.25



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP3C	Z	-4.073	.25
30	MP3C	Mx	-.004	.25
31	MP3C	X	-7.055	5.25
32	MP3C	Z	-4.073	5.25
33	MP3C	Mx	-.004	5.25
34	MP4C	X	-7.055	.25
35	MP4C	Z	-4.073	.25
36	MP4C	Mx	-.004	.25
37	MP4C	X	-7.055	5.25
38	MP4C	Z	-4.073	5.25
39	MP4C	Mx	-.004	5.25
40	MP4B	X	-8.174	.25
41	MP4B	Z	-4.719	.25
42	MP4B	Mx	0	.25
43	MP4B	X	-8.174	5.25
44	MP4B	Z	-4.719	5.25
45	MP4B	Mx	0	5.25
46	MP1C	X	-5.764	.25
47	MP1C	Z	-3.328	.25
48	MP1C	Mx	-.003	.25
49	MP1C	X	-5.764	5.25
50	MP1C	Z	-3.328	5.25
51	MP1C	Mx	-.003	5.25
52	MP3A	X	-5.764	.25
53	MP3A	Z	-3.328	.25
54	MP3A	Mx	.003	.25
55	MP3A	X	-5.764	5.25
56	MP3A	Z	-3.328	5.25
57	MP3A	Mx	.003	5.25
58	M101	X	-7.303	1
59	M101	Z	-4.216	1
60	M101	Mx	0	1
61	MP1B	X	-4.493	1.25
62	MP1B	Z	-2.594	1.25
63	MP1B	Mx	0	1.25
64	MP1B	X	-4.493	2.75
65	MP1B	Z	-2.594	2.75
66	MP1B	Mx	0	2.75
67	MP2C	X	-2.443	2
68	MP2C	Z	-1.41	2
69	MP2C	Mx	-.001	2
70	MP2C	X	-2.443	3.5
71	MP2C	Z	-1.41	3.5
72	MP2C	Mx	-.001	3.5
73	MP4A	X	-2.443	.5
74	MP4A	Z	-1.41	.5
75	MP4A	Mx	.001	.5
76	MP4A	X	-2.443	2
77	MP4A	Z	-1.41	2
78	MP4A	Mx	.001	2
79	MP1A	X	-2.686	2.25
80	MP1A	Z	-1.551	2.25
81	MP1A	Mx	-.001	2.25
82	MP2B	X	-3.576	3
83	MP2B	Z	-2.064	3
84	MP2B	Mx	0	3
85	MP3C	X	-2.686	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP3C	Z	-1.551	3
87	MP3C	Mx	.001	3
88	MP2A	X	-2.346	3
89	MP2A	Z	-1.354	3
90	MP2A	Mx	-.001	3
91	MP3B	X	-3.576	3
92	MP3B	Z	-2.064	3
93	MP3B	Mx	0	3
94	MP4C	X	-2.346	1.5
95	MP4C	Z	-1.354	1.5
96	MP4C	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M103	X	-3.685	1
2	M103	Z	-6.383	1
3	M103	Mx	0	1
4	MP1A	X	-5.873	.25
5	MP1A	Z	-10.172	.25
6	MP1A	Mx	.003	.25
7	MP1A	X	-5.873	5.25
8	MP1A	Z	-10.172	5.25
9	MP1A	Mx	.003	5.25
10	MP2A	X	-5.873	.25
11	MP2A	Z	-10.172	.25
12	MP2A	Mx	.003	.25
13	MP2A	X	-5.873	5.25
14	MP2A	Z	-10.172	5.25
15	MP2A	Mx	.003	5.25
16	MP2B	X	-5.873	.25
17	MP2B	Z	-10.172	.25
18	MP2B	Mx	.003	.25
19	MP2B	X	-5.873	5.25
20	MP2B	Z	-10.172	5.25
21	MP2B	Mx	.003	5.25
22	MP3B	X	-5.873	.25
23	MP3B	Z	-10.172	.25
24	MP3B	Mx	.003	.25
25	MP3B	X	-5.873	5.25
26	MP3B	Z	-10.172	5.25
27	MP3B	Mx	.003	5.25
28	MP3C	X	-3.174	.25
29	MP3C	Z	-5.497	.25
30	MP3C	Mx	-.003	.25
31	MP3C	X	-3.174	5.25
32	MP3C	Z	-5.497	5.25
33	MP3C	Mx	-.003	5.25
34	MP4C	X	-3.174	.25
35	MP4C	Z	-5.497	.25
36	MP4C	Mx	-.003	.25
37	MP4C	X	-3.174	5.25
38	MP4C	Z	-5.497	5.25
39	MP4C	Mx	-.003	5.25
40	MP4B	X	-4.263	.25
41	MP4B	Z	-7.384	.25
42	MP4B	Mx	.002	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4B	X	-4.263	5.25
44	MP4B	Z	-7.384	5.25
45	MP4B	Mx	.002	5.25
46	MP1C	X	-2.948	.25
47	MP1C	Z	-5.107	.25
48	MP1C	Mx	-.003	.25
49	MP1C	X	-2.948	5.25
50	MP1C	Z	-5.107	5.25
51	MP1C	Mx	-.003	5.25
52	MP3A	X	-4.086	.25
53	MP3A	Z	-7.077	.25
54	MP3A	Mx	.002	.25
55	MP3A	X	-4.086	5.25
56	MP3A	Z	-7.077	5.25
57	MP3A	Mx	.002	5.25
58	M101	X	-3.685	1
59	M101	Z	-6.383	1
60	M101	Mx	0	1
61	MP1B	X	-2.2	1.25
62	MP1B	Z	-3.81	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	-2.2	2.75
65	MP1B	Z	-3.81	2.75
66	MP1B	Mx	.001	2.75
67	MP2C	X	-1.016	2
68	MP2C	Z	-1.759	2
69	MP2C	Mx	-.001	2
70	MP2C	X	-1.016	3.5
71	MP2C	Z	-1.759	3.5
72	MP2C	Mx	-.001	3.5
73	MP4A	X	-2.2	.5
74	MP4A	Z	-3.81	.5
75	MP4A	Mx	.001	.5
76	MP4A	X	-2.2	2
77	MP4A	Z	-3.81	2
78	MP4A	Mx	.001	2
79	MP1A	X	-1.893	2.25
80	MP1A	Z	-3.279	2.25
81	MP1A	Mx	-.000947	2.25
82	MP2B	X	-1.893	3
83	MP2B	Z	-3.279	3
84	MP2B	Mx	-.000947	3
85	MP3C	X	-1.38	3
86	MP3C	Z	-2.39	3
87	MP3C	Mx	.001	3
88	MP2A	X	-1.828	3
89	MP2A	Z	-3.166	3
90	MP2A	Mx	-.000914	3
91	MP3B	X	-1.828	3
92	MP3B	Z	-3.166	3
93	MP3B	Mx	-.000914	3
94	MP4C	X	-1.118	1.5
95	MP4C	Z	-1.936	1.5
96	MP4C	Mx	.001	1.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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Member Point Loads (BLC 77 : Lm1) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M73	Y	-500	%78

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M73	Y	-500	%44

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M73	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
1	M4	Y	-15.884	-15.884	0	%100
2	M10	Y	-15.884	-15.884	0	%100
3	M43	Y	-15.884	-15.884	0	%100
4	M46	Y	-16.664	-16.664	0	%100
5	M51B	Y	-9.822	-9.822	0	%100
6	M52B	Y	-9.822	-9.822	0	%100
7	M76	Y	-16.645	-16.645	0	%100
8	M77	Y	-16.645	-16.645	0	%100
9	M80	Y	-16.664	-16.664	0	%100
10	M84	Y	-16.645	-16.645	0	%100
11	M85	Y	-16.645	-16.645	0	%100
12	M91	Y	-16.664	-16.664	0	%100
13	M25	Y	-15.884	-15.884	0	%100
14	M26	Y	-15.884	-15.884	0	%100
15	M27	Y	-15.884	-15.884	0	%100
16	M28	Y	-16.664	-16.664	0	%100
17	M31	Y	-9.822	-9.822	0	%100
18	M32	Y	-9.822	-9.822	0	%100
19	M36	Y	-16.645	-16.645	0	%100
20	M37	Y	-16.645	-16.645	0	%100
21	M39	Y	-16.664	-16.664	0	%100
22	M41	Y	-16.645	-16.645	0	%100
23	M42	Y	-16.645	-16.645	0	%100
24	M44	Y	-16.664	-16.664	0	%100
25	M49	Y	-15.884	-15.884	0	%100
26	M50A	Y	-15.884	-15.884	0	%100
27	M51C	Y	-15.884	-15.884	0	%100
28	M52A	Y	-16.664	-16.664	0	%100
29	M55	Y	-9.822	-9.822	0	%100
30	M56	Y	-9.822	-9.822	0	%100
31	M60	Y	-16.645	-16.645	0	%100
32	M61	Y	-16.645	-16.645	0	%100
33	M63	Y	-16.664	-16.664	0	%100
34	M65	Y	-16.645	-16.645	0	%100
35	M66	Y	-16.645	-16.645	0	%100
36	M68	Y	-16.664	-16.664	0	%100
37	M73	Y	-11.262	-11.262	0	%100
38	M74	Y	-11.262	-11.262	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	M75	Y	-11.262	-11.262	0	%100
40	MP1A	Y	-8.85	-8.85	0	%100
41	MP2A	Y	-8.85	-8.85	0	%100
42	MP3A	Y	-8.85	-8.85	0	%100
43	MP4A	Y	-8.85	-8.85	0	%100
44	MP1C	Y	-8.85	-8.85	0	%100
45	MP2C	Y	-8.85	-8.85	0	%100
46	MP3C	Y	-8.85	-8.85	0	%100
47	MP4C	Y	-8.85	-8.85	0	%100
48	MP1B	Y	-8.85	-8.85	0	%100
49	MP2B	Y	-8.85	-8.85	0	%100
50	MP3B	Y	-8.85	-8.85	0	%100
51	MP4B	Y	-8.85	-8.85	0	%100
52	M101	Y	-8.85	-8.85	0	%100
53	M103	Y	-8.85	-8.85	0	%100
54	M104	Y	-9.922	-9.922	0	%100
55	M105	Y	-9.922	-9.922	0	%100
56	M106	Y	-9.922	-9.922	0	%100
57	M125	Y	-12.853	-12.853	0	%100
58	M126	Y	-12.853	-12.853	0	%100
59	M127	Y	-12.853	-12.853	0	%100
60	M128	Y	-18.227	-18.227	0	%100
61	M129	Y	-18.227	-18.227	0	%100
62	M130	Y	-18.227	-18.227	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-10.275	-10.275	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-10.275	-10.275	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-20.495	-20.495	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-2.845	-2.845	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-2.845	-2.845	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-5.219	-5.219	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-5.497	-5.497	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-5.219	-5.219	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-5.497	-5.497	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-9.107	-9.107	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-2.569	-2.569	0	%100
29	M27	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, %]
30	M27	Z	-2.569	-2.569	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-5.124	-5.124	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-2.845	-2.845	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-11.38	-11.38	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-15.371	-15.371	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-5.219	-5.219	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-5.497	-5.497	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-15.371	-15.371	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-20.874	-20.874	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-21.986	-21.986	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-9.107	-9.107	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-2.569	-2.569	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-2.569	-2.569	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-5.124	-5.124	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-11.38	-11.38	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-2.845	-2.845	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-15.371	-15.371	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-20.874	-20.874	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-21.986	-21.986	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-15.371	-15.371	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-5.219	-5.219	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-5.497	-5.497	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-11.955	-11.955	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-2.989	-2.989	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-2.989	-2.989	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-8.112	-8.112	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-8.112	-8.112	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-8.112	-8.112	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-8.112	-8.112	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.%,]
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-8.112	-8.112	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-8.112	-8.112	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-8.112	-8.112	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-8.112	-8.112	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-8.112	-8.112	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-8.112	-8.112	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-8.112	-8.112	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-8.112	-8.112	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-5.875	-5.875	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-5.875	-5.875	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-9.82	-9.82	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	-2.455	-2.455	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	-2.455	-2.455	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-3.047	-3.047	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-3.047	-3.047	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-12.189	-12.189	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-5.502	-5.502	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-12.666	-12.666	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-12.666	-12.666	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	M4	X	1.518	1.518	0	%100
2	M4	Z	-2.629	-2.629	0	%100
3	M10	X	3.853	3.853	0	%100
4	M10	Z	-6.674	-6.674	0	%100
5	M43	X	3.853	3.853	0	%100
6	M43	Z	-6.674	-6.674	0	%100
7	M46	X	7.685	7.685	0	%100
8	M46	Z	-13.312	-13.312	0	%100
9	M51B	X	4.268	4.268	0	%100
10	M51B	Z	-7.392	-7.392	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	2.562	2.562	0	%100
14	M76	Z	-4.437	-4.437	0	%100
15	M77	X	7.828	7.828	0	%100



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 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%]
16	M77	Z	-13.558	-13.558	0 %100
17	M80	X	8.245	8.245	0 %100
18	M80	Z	-14.281	-14.281	0 %100
19	M84	X	2.562	2.562	0 %100
20	M84	Z	-4.437	-4.437	0 %100
21	M85	X	0	0	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	0	0	0 %100
25	M25	X	1.518	1.518	0 %100
26	M25	Z	-2.629	-2.629	0 %100
27	M26	X	3.853	3.853	0 %100
28	M26	Z	-6.674	-6.674	0 %100
29	M27	X	3.853	3.853	0 %100
30	M27	Z	-6.674	-6.674	0 %100
31	M28	X	7.685	7.685	0 %100
32	M28	Z	-13.312	-13.312	0 %100
33	M31	X	0	0	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	4.268	4.268	0 %100
36	M32	Z	-7.392	-7.392	0 %100
37	M36	X	2.562	2.562	0 %100
38	M36	Z	-4.437	-4.437	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	2.562	2.562	0 %100
44	M41	Z	-4.437	-4.437	0 %100
45	M42	X	7.828	7.828	0 %100
46	M42	Z	-13.558	-13.558	0 %100
47	M44	X	8.245	8.245	0 %100
48	M44	Z	-14.281	-14.281	0 %100
49	M49	X	6.071	6.071	0 %100
50	M49	Z	-10.516	-10.516	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	4.268	4.268	0 %100
58	M55	Z	-7.392	-7.392	0 %100
59	M56	X	4.268	4.268	0 %100
60	M56	Z	-7.392	-7.392	0 %100
61	M60	X	10.247	10.247	0 %100
62	M60	Z	-17.749	-17.749	0 %100
63	M61	X	7.828	7.828	0 %100
64	M61	Z	-13.558	-13.558	0 %100
65	M63	X	8.245	8.245	0 %100
66	M63	Z	-14.281	-14.281	0 %100
67	M65	X	10.247	10.247	0 %100
68	M65	Z	-17.749	-17.749	0 %100
69	M66	X	7.828	7.828	0 %100
70	M66	Z	-13.558	-13.558	0 %100
71	M68	X	8.245	8.245	0 %100
72	M68	Z	-14.281	-14.281	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.%,]
73	M73	X	4.483	4.483	0 %100
74	M73	Z	-7.765	-7.765	0 %100
75	M74	X	4.483	4.483	0 %100
76	M74	Z	-7.765	-7.765	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	4.056	4.056	0 %100
80	MP1A	Z	-7.026	-7.026	0 %100
81	MP2A	X	4.056	4.056	0 %100
82	MP2A	Z	-7.026	-7.026	0 %100
83	MP3A	X	4.056	4.056	0 %100
84	MP3A	Z	-7.026	-7.026	0 %100
85	MP4A	X	4.056	4.056	0 %100
86	MP4A	Z	-7.026	-7.026	0 %100
87	MP1C	X	4.056	4.056	0 %100
88	MP1C	Z	-7.026	-7.026	0 %100
89	MP2C	X	4.056	4.056	0 %100
90	MP2C	Z	-7.026	-7.026	0 %100
91	MP3C	X	4.056	4.056	0 %100
92	MP3C	Z	-7.026	-7.026	0 %100
93	MP4C	X	4.056	4.056	0 %100
94	MP4C	Z	-7.026	-7.026	0 %100
95	MP1B	X	4.056	4.056	0 %100
96	MP1B	Z	-7.026	-7.026	0 %100
97	MP2B	X	4.056	4.056	0 %100
98	MP2B	Z	-7.026	-7.026	0 %100
99	MP3B	X	4.056	4.056	0 %100
100	MP3B	Z	-7.026	-7.026	0 %100
101	MP4B	X	4.056	4.056	0 %100
102	MP4B	Z	-7.026	-7.026	0 %100
103	M101	X	2.937	2.937	0 %100
104	M101	Z	-5.088	-5.088	0 %100
105	M103	X	2.937	2.937	0 %100
106	M103	Z	-5.088	-5.088	0 %100
107	M104	X	3.683	3.683	0 %100
108	M104	Z	-6.379	-6.379	0 %100
109	M105	X	3.683	3.683	0 %100
110	M105	Z	-6.379	-6.379	0 %100
111	M106	X	0	0	0 %100
112	M106	Z	0	0	0 %100
113	M125	X	4.571	4.571	0 %100
114	M125	Z	-7.917	-7.917	0 %100
115	M126	X	0	0	0 %100
116	M126	Z	0	0	0 %100
117	M127	X	4.571	4.571	0 %100
118	M127	Z	-7.917	-7.917	0 %100
119	M128	X	3.945	3.945	0 %100
120	M128	Z	-6.833	-6.833	0 %100
121	M129	X	3.945	3.945	0 %100
122	M129	Z	-6.833	-6.833	0 %100
123	M130	X	7.527	7.527	0 %100
124	M130	Z	-13.038	-13.038	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	M4	X	7.887	7.887	0 %100



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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, %]
2	M4	Z	-4.554	-4.554	0 %100
3	M10	X	2.225	2.225	0 %100
4	M10	Z	-1.284	-1.284	0 %100
5	M43	X	2.225	2.225	0 %100
6	M43	Z	-1.284	-1.284	0 %100
7	M46	X	4.437	4.437	0 %100
8	M46	Z	-2.562	-2.562	0 %100
9	M51B	X	9.856	9.856	0 %100
10	M51B	Z	-5.69	-5.69	0 %100
11	M52B	X	2.464	2.464	0 %100
12	M52B	Z	-1.423	-1.423	0 %100
13	M76	X	13.312	13.312	0 %100
14	M76	Z	-7.685	-7.685	0 %100
15	M77	X	18.078	18.078	0 %100
16	M77	Z	-10.437	-10.437	0 %100
17	M80	X	19.041	19.041	0 %100
18	M80	Z	-10.993	-10.993	0 %100
19	M84	X	13.312	13.312	0 %100
20	M84	Z	-7.685	-7.685	0 %100
21	M85	X	4.519	4.519	0 %100
22	M85	Z	-2.609	-2.609	0 %100
23	M91	X	4.76	4.76	0 %100
24	M91	Z	-2.748	-2.748	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	8.898	8.898	0 %100
28	M26	Z	-5.137	-5.137	0 %100
29	M27	X	8.898	8.898	0 %100
30	M27	Z	-5.137	-5.137	0 %100
31	M28	X	17.749	17.749	0 %100
32	M28	Z	-10.247	-10.247	0 %100
33	M31	X	2.464	2.464	0 %100
34	M31	Z	-1.423	-1.423	0 %100
35	M32	X	2.464	2.464	0 %100
36	M32	Z	-1.423	-1.423	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	4.519	4.519	0 %100
40	M37	Z	-2.609	-2.609	0 %100
41	M39	X	4.76	4.76	0 %100
42	M39	Z	-2.748	-2.748	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	4.519	4.519	0 %100
46	M42	Z	-2.609	-2.609	0 %100
47	M44	X	4.76	4.76	0 %100
48	M44	Z	-2.748	-2.748	0 %100
49	M49	X	7.887	7.887	0 %100
50	M49	Z	-4.554	-4.554	0 %100
51	M50A	X	2.225	2.225	0 %100
52	M50A	Z	-1.284	-1.284	0 %100
53	M51C	X	2.225	2.225	0 %100
54	M51C	Z	-1.284	-1.284	0 %100
55	M52A	X	4.437	4.437	0 %100
56	M52A	Z	-2.562	-2.562	0 %100
57	M55	X	2.464	2.464	0 %100
58	M55	Z	-1.423	-1.423	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, %]
59	M56	X	9.856	9.856	0 %100
60	M56	Z	-5.69	-5.69	0 %100
61	M60	X	13.312	13.312	0 %100
62	M60	Z	-7.685	-7.685	0 %100
63	M61	X	4.519	4.519	0 %100
64	M61	Z	-2.609	-2.609	0 %100
65	M63	X	4.76	4.76	0 %100
66	M63	Z	-2.748	-2.748	0 %100
67	M65	X	13.312	13.312	0 %100
68	M65	Z	-7.685	-7.685	0 %100
69	M66	X	18.078	18.078	0 %100
70	M66	Z	-10.437	-10.437	0 %100
71	M68	X	19.041	19.041	0 %100
72	M68	Z	-10.993	-10.993	0 %100
73	M73	X	2.588	2.588	0 %100
74	M73	Z	-1.494	-1.494	0 %100
75	M74	X	10.354	10.354	0 %100
76	M74	Z	-5.978	-5.978	0 %100
77	M75	X	2.588	2.588	0 %100
78	M75	Z	-1.494	-1.494	0 %100
79	MP1A	X	7.026	7.026	0 %100
80	MP1A	Z	-4.056	-4.056	0 %100
81	MP2A	X	7.026	7.026	0 %100
82	MP2A	Z	-4.056	-4.056	0 %100
83	MP3A	X	7.026	7.026	0 %100
84	MP3A	Z	-4.056	-4.056	0 %100
85	MP4A	X	7.026	7.026	0 %100
86	MP4A	Z	-4.056	-4.056	0 %100
87	MP1C	X	7.026	7.026	0 %100
88	MP1C	Z	-4.056	-4.056	0 %100
89	MP2C	X	7.026	7.026	0 %100
90	MP2C	Z	-4.056	-4.056	0 %100
91	MP3C	X	7.026	7.026	0 %100
92	MP3C	Z	-4.056	-4.056	0 %100
93	MP4C	X	7.026	7.026	0 %100
94	MP4C	Z	-4.056	-4.056	0 %100
95	MP1B	X	7.026	7.026	0 %100
96	MP1B	Z	-4.056	-4.056	0 %100
97	MP2B	X	7.026	7.026	0 %100
98	MP2B	Z	-4.056	-4.056	0 %100
99	MP3B	X	7.026	7.026	0 %100
100	MP3B	Z	-4.056	-4.056	0 %100
101	MP4B	X	7.026	7.026	0 %100
102	MP4B	Z	-4.056	-4.056	0 %100
103	M101	X	5.088	5.088	0 %100
104	M101	Z	-2.937	-2.937	0 %100
105	M103	X	5.088	5.088	0 %100
106	M103	Z	-2.937	-2.937	0 %100
107	M104	X	2.126	2.126	0 %100
108	M104	Z	-1.228	-1.228	0 %100
109	M105	X	8.505	8.505	0 %100
110	M105	Z	-4.91	-4.91	0 %100
111	M106	X	2.126	2.126	0 %100
112	M106	Z	-1.228	-1.228	0 %100
113	M125	X	10.556	10.556	0 %100
114	M125	Z	-6.095	-6.095	0 %100
115	M126	X	2.639	2.639	0 %100



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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.%]
116	M126	Z	-1.524	-1.524	0	%100
117	M127	X	2.639	2.639	0	%100
118	M127	Z	-1.524	-1.524	0	%100
119	M128	X	10.969	10.969	0	%100
120	M128	Z	-6.333	-6.333	0	%100
121	M129	X	4.765	4.765	0	%100
122	M129	Z	-2.751	-2.751	0	%100
123	M130	X	10.969	10.969	0	%100
124	M130	Z	-6.333	-6.333	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	M4	X	12.143	12.143	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	8.535	8.535	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	8.535	8.535	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	20.495	20.495	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	15.656	15.656	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	16.49	16.49	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	20.495	20.495	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	15.656	15.656	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	16.49	16.49	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	3.036	3.036	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	7.706	7.706	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	7.706	7.706	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	15.371	15.371	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	8.535	8.535	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	5.124	5.124	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	15.656	15.656	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	16.49	16.49	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	5.124	5.124	0	%100
44	M41	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.%]	
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	3.036	3.036	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	7.706	7.706	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	7.706	7.706	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	15.371	15.371	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	8.535	8.535	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	5.124	5.124	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	5.124	5.124	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	15.656	15.656	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	16.49	16.49	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	8.966	8.966	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	8.966	8.966	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	8.112	8.112	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	8.112	8.112	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	8.112	8.112	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	8.112	8.112	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	8.112	8.112	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	8.112	8.112	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	8.112	8.112	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	8.112	8.112	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	8.112	8.112	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	8.112	8.112	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	8.112	8.112	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	8.112	8.112	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.%,]
102	MP4B	Z	0	0	0	%100
103	M101	X	5.875	5.875	0	%100
104	M101	Z	0	0	0	%100
105	M103	X	5.875	5.875	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M105	X	7.365	7.365	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	7.365	7.365	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	9.142	9.142	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	9.142	9.142	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	15.055	15.055	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	7.89	7.89	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	7.89	7.89	0	%100
124	M130	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	M4	X	7.887	7.887	0	%100
2	M4	Z	4.554	4.554	0	%100
3	M10	X	2.225	2.225	0	%100
4	M10	Z	1.284	1.284	0	%100
5	M43	X	2.225	2.225	0	%100
6	M43	Z	1.284	1.284	0	%100
7	M46	X	4.437	4.437	0	%100
8	M46	Z	2.562	2.562	0	%100
9	M51B	X	2.464	2.464	0	%100
10	M51B	Z	1.423	1.423	0	%100
11	M52B	X	9.856	9.856	0	%100
12	M52B	Z	5.69	5.69	0	%100
13	M76	X	13.312	13.312	0	%100
14	M76	Z	7.685	7.685	0	%100
15	M77	X	4.519	4.519	0	%100
16	M77	Z	2.609	2.609	0	%100
17	M80	X	4.76	4.76	0	%100
18	M80	Z	2.748	2.748	0	%100
19	M84	X	13.312	13.312	0	%100
20	M84	Z	7.685	7.685	0	%100
21	M85	X	18.078	18.078	0	%100
22	M85	Z	10.437	10.437	0	%100
23	M91	X	19.041	19.041	0	%100
24	M91	Z	10.993	10.993	0	%100
25	M25	X	7.887	7.887	0	%100
26	M25	Z	4.554	4.554	0	%100
27	M26	X	2.225	2.225	0	%100
28	M26	Z	1.284	1.284	0	%100
29	M27	X	2.225	2.225	0	%100
30	M27	Z	1.284	1.284	0	%100



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 Designer : AJH
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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, %]
31	M28	X	4.437	4.437	0 %100
32	M28	Z	2.562	2.562	0 %100
33	M31	X	9.856	9.856	0 %100
34	M31	Z	5.69	5.69	0 %100
35	M32	X	2.464	2.464	0 %100
36	M32	Z	1.423	1.423	0 %100
37	M36	X	13.312	13.312	0 %100
38	M36	Z	7.685	7.685	0 %100
39	M37	X	18.078	18.078	0 %100
40	M37	Z	10.437	10.437	0 %100
41	M39	X	19.041	19.041	0 %100
42	M39	Z	10.993	10.993	0 %100
43	M41	X	13.312	13.312	0 %100
44	M41	Z	7.685	7.685	0 %100
45	M42	X	4.519	4.519	0 %100
46	M42	Z	2.609	2.609	0 %100
47	M44	X	4.76	4.76	0 %100
48	M44	Z	2.748	2.748	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	8.898	8.898	0 %100
52	M50A	Z	5.137	5.137	0 %100
53	M51C	X	8.898	8.898	0 %100
54	M51C	Z	5.137	5.137	0 %100
55	M52A	X	17.749	17.749	0 %100
56	M52A	Z	10.247	10.247	0 %100
57	M55	X	2.464	2.464	0 %100
58	M55	Z	1.423	1.423	0 %100
59	M56	X	2.464	2.464	0 %100
60	M56	Z	1.423	1.423	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	4.519	4.519	0 %100
64	M61	Z	2.609	2.609	0 %100
65	M63	X	4.76	4.76	0 %100
66	M63	Z	2.748	2.748	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	4.519	4.519	0 %100
70	M66	Z	2.609	2.609	0 %100
71	M68	X	4.76	4.76	0 %100
72	M68	Z	2.748	2.748	0 %100
73	M73	X	2.588	2.588	0 %100
74	M73	Z	1.494	1.494	0 %100
75	M74	X	2.588	2.588	0 %100
76	M74	Z	1.494	1.494	0 %100
77	M75	X	10.354	10.354	0 %100
78	M75	Z	5.978	5.978	0 %100
79	MP1A	X	7.026	7.026	0 %100
80	MP1A	Z	4.056	4.056	0 %100
81	MP2A	X	7.026	7.026	0 %100
82	MP2A	Z	4.056	4.056	0 %100
83	MP3A	X	7.026	7.026	0 %100
84	MP3A	Z	4.056	4.056	0 %100
85	MP4A	X	7.026	7.026	0 %100
86	MP4A	Z	4.056	4.056	0 %100
87	MP1C	X	7.026	7.026	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.%,]
88	MP1C	Z	4.056	4.056	0	%100
89	MP2C	X	7.026	7.026	0	%100
90	MP2C	Z	4.056	4.056	0	%100
91	MP3C	X	7.026	7.026	0	%100
92	MP3C	Z	4.056	4.056	0	%100
93	MP4C	X	7.026	7.026	0	%100
94	MP4C	Z	4.056	4.056	0	%100
95	MP1B	X	7.026	7.026	0	%100
96	MP1B	Z	4.056	4.056	0	%100
97	MP2B	X	7.026	7.026	0	%100
98	MP2B	Z	4.056	4.056	0	%100
99	MP3B	X	7.026	7.026	0	%100
100	MP3B	Z	4.056	4.056	0	%100
101	MP4B	X	7.026	7.026	0	%100
102	MP4B	Z	4.056	4.056	0	%100
103	M101	X	5.088	5.088	0	%100
104	M101	Z	2.937	2.937	0	%100
105	M103	X	5.088	5.088	0	%100
106	M103	Z	2.937	2.937	0	%100
107	M104	X	2.126	2.126	0	%100
108	M104	Z	1.228	1.228	0	%100
109	M105	X	2.126	2.126	0	%100
110	M105	Z	1.228	1.228	0	%100
111	M106	X	8.505	8.505	0	%100
112	M106	Z	4.91	4.91	0	%100
113	M125	X	2.639	2.639	0	%100
114	M125	Z	1.524	1.524	0	%100
115	M126	X	10.556	10.556	0	%100
116	M126	Z	6.095	6.095	0	%100
117	M127	X	2.639	2.639	0	%100
118	M127	Z	1.524	1.524	0	%100
119	M128	X	10.969	10.969	0	%100
120	M128	Z	6.333	6.333	0	%100
121	M129	X	10.969	10.969	0	%100
122	M129	Z	6.333	6.333	0	%100
123	M130	X	4.765	4.765	0	%100
124	M130	Z	2.751	2.751	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	M4	X	1.518	1.518	0	%100
2	M4	Z	2.629	2.629	0	%100
3	M10	X	3.853	3.853	0	%100
4	M10	Z	6.674	6.674	0	%100
5	M43	X	3.853	3.853	0	%100
6	M43	Z	6.674	6.674	0	%100
7	M46	X	7.685	7.685	0	%100
8	M46	Z	13.312	13.312	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	4.268	4.268	0	%100
12	M52B	Z	7.392	7.392	0	%100
13	M76	X	2.562	2.562	0	%100
14	M76	Z	4.437	4.437	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.-%]
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	2.562	2.562	0	%100
20	M84	Z	4.437	4.437	0	%100
21	M85	X	7.828	7.828	0	%100
22	M85	Z	13.558	13.558	0	%100
23	M91	X	8.245	8.245	0	%100
24	M91	Z	14.281	14.281	0	%100
25	M25	X	6.071	6.071	0	%100
26	M25	Z	10.516	10.516	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	4.268	4.268	0	%100
34	M31	Z	7.392	7.392	0	%100
35	M32	X	4.268	4.268	0	%100
36	M32	Z	7.392	7.392	0	%100
37	M36	X	10.247	10.247	0	%100
38	M36	Z	17.749	17.749	0	%100
39	M37	X	7.828	7.828	0	%100
40	M37	Z	13.558	13.558	0	%100
41	M39	X	8.245	8.245	0	%100
42	M39	Z	14.281	14.281	0	%100
43	M41	X	10.247	10.247	0	%100
44	M41	Z	17.749	17.749	0	%100
45	M42	X	7.828	7.828	0	%100
46	M42	Z	13.558	13.558	0	%100
47	M44	X	8.245	8.245	0	%100
48	M44	Z	14.281	14.281	0	%100
49	M49	X	1.518	1.518	0	%100
50	M49	Z	2.629	2.629	0	%100
51	M50A	X	3.853	3.853	0	%100
52	M50A	Z	6.674	6.674	0	%100
53	M51C	X	3.853	3.853	0	%100
54	M51C	Z	6.674	6.674	0	%100
55	M52A	X	7.685	7.685	0	%100
56	M52A	Z	13.312	13.312	0	%100
57	M55	X	4.268	4.268	0	%100
58	M55	Z	7.392	7.392	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	2.562	2.562	0	%100
62	M60	Z	4.437	4.437	0	%100
63	M61	X	7.828	7.828	0	%100
64	M61	Z	13.558	13.558	0	%100
65	M63	X	8.245	8.245	0	%100
66	M63	Z	14.281	14.281	0	%100
67	M65	X	2.562	2.562	0	%100
68	M65	Z	4.437	4.437	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	4.483	4.483	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.%]
74	M73	Z	7.765	7.765	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	4.483	4.483	0	%100
78	M75	Z	7.765	7.765	0	%100
79	MP1A	X	4.056	4.056	0	%100
80	MP1A	Z	7.026	7.026	0	%100
81	MP2A	X	4.056	4.056	0	%100
82	MP2A	Z	7.026	7.026	0	%100
83	MP3A	X	4.056	4.056	0	%100
84	MP3A	Z	7.026	7.026	0	%100
85	MP4A	X	4.056	4.056	0	%100
86	MP4A	Z	7.026	7.026	0	%100
87	MP1C	X	4.056	4.056	0	%100
88	MP1C	Z	7.026	7.026	0	%100
89	MP2C	X	4.056	4.056	0	%100
90	MP2C	Z	7.026	7.026	0	%100
91	MP3C	X	4.056	4.056	0	%100
92	MP3C	Z	7.026	7.026	0	%100
93	MP4C	X	4.056	4.056	0	%100
94	MP4C	Z	7.026	7.026	0	%100
95	MP1B	X	4.056	4.056	0	%100
96	MP1B	Z	7.026	7.026	0	%100
97	MP2B	X	4.056	4.056	0	%100
98	MP2B	Z	7.026	7.026	0	%100
99	MP3B	X	4.056	4.056	0	%100
100	MP3B	Z	7.026	7.026	0	%100
101	MP4B	X	4.056	4.056	0	%100
102	MP4B	Z	7.026	7.026	0	%100
103	M101	X	2.937	2.937	0	%100
104	M101	Z	5.088	5.088	0	%100
105	M103	X	2.937	2.937	0	%100
106	M103	Z	5.088	5.088	0	%100
107	M104	X	3.683	3.683	0	%100
108	M104	Z	6.379	6.379	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	3.683	3.683	0	%100
112	M106	Z	6.379	6.379	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	4.571	4.571	0	%100
116	M126	Z	7.917	7.917	0	%100
117	M127	X	4.571	4.571	0	%100
118	M127	Z	7.917	7.917	0	%100
119	M128	X	3.945	3.945	0	%100
120	M128	Z	6.833	6.833	0	%100
121	M129	X	7.527	7.527	0	%100
122	M129	Z	13.038	13.038	0	%100
123	M130	X	3.945	3.945	0	%100
124	M130	Z	6.833	6.833	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	M4	X	0	0	0	%100
2	M4	Z	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.%]
3	M10	X	0	0	0	%100
4	M10	Z	10.275	10.275	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	10.275	10.275	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	20.495	20.495	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	2.845	2.845	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	2.845	2.845	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	5.219	5.219	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	5.497	5.497	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	5.219	5.219	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	5.497	5.497	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	9.107	9.107	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	2.569	2.569	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.569	2.569	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	5.124	5.124	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	2.845	2.845	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	11.38	11.38	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	15.371	15.371	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	5.219	5.219	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	5.497	5.497	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	15.371	15.371	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	20.874	20.874	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	21.986	21.986	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	9.107	9.107	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	2.569	2.569	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	2.569	2.569	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	5.124	5.124	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	11.38	11.38	0	%100
59	M56	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, %]
60	M56	Z	2.845	2.845	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	15.371	15.371	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	20.874	20.874	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	21.986	21.986	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	15.371	15.371	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	5.219	5.219	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	5.497	5.497	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	11.955	11.955	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	2.989	2.989	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	2.989	2.989	0 %100
79	MP1A	X	0	0	0 %100
80	MP1A	Z	8.112	8.112	0 %100
81	MP2A	X	0	0	0 %100
82	MP2A	Z	8.112	8.112	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	8.112	8.112	0 %100
85	MP4A	X	0	0	0 %100
86	MP4A	Z	8.112	8.112	0 %100
87	MP1C	X	0	0	0 %100
88	MP1C	Z	8.112	8.112	0 %100
89	MP2C	X	0	0	0 %100
90	MP2C	Z	8.112	8.112	0 %100
91	MP3C	X	0	0	0 %100
92	MP3C	Z	8.112	8.112	0 %100
93	MP4C	X	0	0	0 %100
94	MP4C	Z	8.112	8.112	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	8.112	8.112	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	8.112	8.112	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	8.112	8.112	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	8.112	8.112	0 %100
103	M101	X	0	0	0 %100
104	M101	Z	5.875	5.875	0 %100
105	M103	X	0	0	0 %100
106	M103	Z	5.875	5.875	0 %100
107	M104	X	0	0	0 %100
108	M104	Z	9.82	9.82	0 %100
109	M105	X	0	0	0 %100
110	M105	Z	2.455	2.455	0 %100
111	M106	X	0	0	0 %100
112	M106	Z	2.455	2.455	0 %100
113	M125	X	0	0	0 %100
114	M125	Z	3.047	3.047	0 %100
115	M126	X	0	0	0 %100
116	M126	Z	3.047	3.047	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.%]
117	M127	X	0	0	0	%100
118	M127	Z	12.189	12.189	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	5.502	5.502	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	12.666	12.666	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	12.666	12.666	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	M4	X	-1.518	-1.518	0	%100
2	M4	Z	2.629	2.629	0	%100
3	M10	X	-3.853	-3.853	0	%100
4	M10	Z	6.674	6.674	0	%100
5	M43	X	-3.853	-3.853	0	%100
6	M43	Z	6.674	6.674	0	%100
7	M46	X	-7.685	-7.685	0	%100
8	M46	Z	13.312	13.312	0	%100
9	M51B	X	-4.268	-4.268	0	%100
10	M51B	Z	7.392	7.392	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-2.562	-2.562	0	%100
14	M76	Z	4.437	4.437	0	%100
15	M77	X	-7.828	-7.828	0	%100
16	M77	Z	13.558	13.558	0	%100
17	M80	X	-8.245	-8.245	0	%100
18	M80	Z	14.281	14.281	0	%100
19	M84	X	-2.562	-2.562	0	%100
20	M84	Z	4.437	4.437	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.518	-1.518	0	%100
26	M25	Z	2.629	2.629	0	%100
27	M26	X	-3.853	-3.853	0	%100
28	M26	Z	6.674	6.674	0	%100
29	M27	X	-3.853	-3.853	0	%100
30	M27	Z	6.674	6.674	0	%100
31	M28	X	-7.685	-7.685	0	%100
32	M28	Z	13.312	13.312	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-4.268	-4.268	0	%100
36	M32	Z	7.392	7.392	0	%100
37	M36	X	-2.562	-2.562	0	%100
38	M36	Z	4.437	4.437	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-2.562	-2.562	0	%100
44	M41	Z	4.437	4.437	0	%100
45	M42	X	-7.828	-7.828	0	%100



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 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M42	Z	13.558	13.558	0 %100
47	M44	X	-8.245	-8.245	0 %100
48	M44	Z	14.281	14.281	0 %100
49	M49	X	-6.071	-6.071	0 %100
50	M49	Z	10.516	10.516	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	-4.268	-4.268	0 %100
58	M55	Z	7.392	7.392	0 %100
59	M56	X	-4.268	-4.268	0 %100
60	M56	Z	7.392	7.392	0 %100
61	M60	X	-10.247	-10.247	0 %100
62	M60	Z	17.749	17.749	0 %100
63	M61	X	-7.828	-7.828	0 %100
64	M61	Z	13.558	13.558	0 %100
65	M63	X	-8.245	-8.245	0 %100
66	M63	Z	14.281	14.281	0 %100
67	M65	X	-10.247	-10.247	0 %100
68	M65	Z	17.749	17.749	0 %100
69	M66	X	-7.828	-7.828	0 %100
70	M66	Z	13.558	13.558	0 %100
71	M68	X	-8.245	-8.245	0 %100
72	M68	Z	14.281	14.281	0 %100
73	M73	X	-4.483	-4.483	0 %100
74	M73	Z	7.765	7.765	0 %100
75	M74	X	-4.483	-4.483	0 %100
76	M74	Z	7.765	7.765	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	-4.056	-4.056	0 %100
80	MP1A	Z	7.026	7.026	0 %100
81	MP2A	X	-4.056	-4.056	0 %100
82	MP2A	Z	7.026	7.026	0 %100
83	MP3A	X	-4.056	-4.056	0 %100
84	MP3A	Z	7.026	7.026	0 %100
85	MP4A	X	-4.056	-4.056	0 %100
86	MP4A	Z	7.026	7.026	0 %100
87	MP1C	X	-4.056	-4.056	0 %100
88	MP1C	Z	7.026	7.026	0 %100
89	MP2C	X	-4.056	-4.056	0 %100
90	MP2C	Z	7.026	7.026	0 %100
91	MP3C	X	-4.056	-4.056	0 %100
92	MP3C	Z	7.026	7.026	0 %100
93	MP4C	X	-4.056	-4.056	0 %100
94	MP4C	Z	7.026	7.026	0 %100
95	MP1B	X	-4.056	-4.056	0 %100
96	MP1B	Z	7.026	7.026	0 %100
97	MP2B	X	-4.056	-4.056	0 %100
98	MP2B	Z	7.026	7.026	0 %100
99	MP3B	X	-4.056	-4.056	0 %100
100	MP3B	Z	7.026	7.026	0 %100
101	MP4B	X	-4.056	-4.056	0 %100
102	MP4B	Z	7.026	7.026	0 %100



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 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
103	M101	X	-2.937	-2.937	0	%100
104	M101	Z	5.088	5.088	0	%100
105	M103	X	-2.937	-2.937	0	%100
106	M103	Z	5.088	5.088	0	%100
107	M104	X	-3.683	-3.683	0	%100
108	M104	Z	6.379	6.379	0	%100
109	M105	X	-3.683	-3.683	0	%100
110	M105	Z	6.379	6.379	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	-4.571	-4.571	0	%100
114	M125	Z	7.917	7.917	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-4.571	-4.571	0	%100
118	M127	Z	7.917	7.917	0	%100
119	M128	X	-3.945	-3.945	0	%100
120	M128	Z	6.833	6.833	0	%100
121	M129	X	-3.945	-3.945	0	%100
122	M129	Z	6.833	6.833	0	%100
123	M130	X	-7.527	-7.527	0	%100
124	M130	Z	13.038	13.038	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	M4	X	-7.887	-7.887	0	%100
2	M4	Z	4.554	4.554	0	%100
3	M10	X	-2.225	-2.225	0	%100
4	M10	Z	1.284	1.284	0	%100
5	M43	X	-2.225	-2.225	0	%100
6	M43	Z	1.284	1.284	0	%100
7	M46	X	-4.437	-4.437	0	%100
8	M46	Z	2.562	2.562	0	%100
9	M51B	X	-9.856	-9.856	0	%100
10	M51B	Z	5.69	5.69	0	%100
11	M52B	X	-2.464	-2.464	0	%100
12	M52B	Z	1.423	1.423	0	%100
13	M76	X	-13.312	-13.312	0	%100
14	M76	Z	7.685	7.685	0	%100
15	M77	X	-18.078	-18.078	0	%100
16	M77	Z	10.437	10.437	0	%100
17	M80	X	-19.041	-19.041	0	%100
18	M80	Z	10.993	10.993	0	%100
19	M84	X	-13.312	-13.312	0	%100
20	M84	Z	7.685	7.685	0	%100
21	M85	X	-4.519	-4.519	0	%100
22	M85	Z	2.609	2.609	0	%100
23	M91	X	-4.76	-4.76	0	%100
24	M91	Z	2.748	2.748	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-8.898	-8.898	0	%100
28	M26	Z	5.137	5.137	0	%100
29	M27	X	-8.898	-8.898	0	%100
30	M27	Z	5.137	5.137	0	%100
31	M28	X	-17.749	-17.749	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%]
32	M28	Z	10.247	10.247	0 %100
33	M31	X	-2.464	-2.464	0 %100
34	M31	Z	1.423	1.423	0 %100
35	M32	X	-2.464	-2.464	0 %100
36	M32	Z	1.423	1.423	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	-4.519	-4.519	0 %100
40	M37	Z	2.609	2.609	0 %100
41	M39	X	-4.76	-4.76	0 %100
42	M39	Z	2.748	2.748	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	-4.519	-4.519	0 %100
46	M42	Z	2.609	2.609	0 %100
47	M44	X	-4.76	-4.76	0 %100
48	M44	Z	2.748	2.748	0 %100
49	M49	X	-7.887	-7.887	0 %100
50	M49	Z	4.554	4.554	0 %100
51	M50A	X	-2.225	-2.225	0 %100
52	M50A	Z	1.284	1.284	0 %100
53	M51C	X	-2.225	-2.225	0 %100
54	M51C	Z	1.284	1.284	0 %100
55	M52A	X	-4.437	-4.437	0 %100
56	M52A	Z	2.562	2.562	0 %100
57	M55	X	-2.464	-2.464	0 %100
58	M55	Z	1.423	1.423	0 %100
59	M56	X	-9.856	-9.856	0 %100
60	M56	Z	5.69	5.69	0 %100
61	M60	X	-13.312	-13.312	0 %100
62	M60	Z	7.685	7.685	0 %100
63	M61	X	-4.519	-4.519	0 %100
64	M61	Z	2.609	2.609	0 %100
65	M63	X	-4.76	-4.76	0 %100
66	M63	Z	2.748	2.748	0 %100
67	M65	X	-13.312	-13.312	0 %100
68	M65	Z	7.685	7.685	0 %100
69	M66	X	-18.078	-18.078	0 %100
70	M66	Z	10.437	10.437	0 %100
71	M68	X	-19.041	-19.041	0 %100
72	M68	Z	10.993	10.993	0 %100
73	M73	X	-2.588	-2.588	0 %100
74	M73	Z	1.494	1.494	0 %100
75	M74	X	-10.354	-10.354	0 %100
76	M74	Z	5.978	5.978	0 %100
77	M75	X	-2.588	-2.588	0 %100
78	M75	Z	1.494	1.494	0 %100
79	MP1A	X	-7.026	-7.026	0 %100
80	MP1A	Z	4.056	4.056	0 %100
81	MP2A	X	-7.026	-7.026	0 %100
82	MP2A	Z	4.056	4.056	0 %100
83	MP3A	X	-7.026	-7.026	0 %100
84	MP3A	Z	4.056	4.056	0 %100
85	MP4A	X	-7.026	-7.026	0 %100
86	MP4A	Z	4.056	4.056	0 %100
87	MP1C	X	-7.026	-7.026	0 %100
88	MP1C	Z	4.056	4.056	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.%,]
89	MP2C	X	-7.026	-7.026	0	%100
90	MP2C	Z	4.056	4.056	0	%100
91	MP3C	X	-7.026	-7.026	0	%100
92	MP3C	Z	4.056	4.056	0	%100
93	MP4C	X	-7.026	-7.026	0	%100
94	MP4C	Z	4.056	4.056	0	%100
95	MP1B	X	-7.026	-7.026	0	%100
96	MP1B	Z	4.056	4.056	0	%100
97	MP2B	X	-7.026	-7.026	0	%100
98	MP2B	Z	4.056	4.056	0	%100
99	MP3B	X	-7.026	-7.026	0	%100
100	MP3B	Z	4.056	4.056	0	%100
101	MP4B	X	-7.026	-7.026	0	%100
102	MP4B	Z	4.056	4.056	0	%100
103	M101	X	-5.088	-5.088	0	%100
104	M101	Z	2.937	2.937	0	%100
105	M103	X	-5.088	-5.088	0	%100
106	M103	Z	2.937	2.937	0	%100
107	M104	X	-2.126	-2.126	0	%100
108	M104	Z	1.228	1.228	0	%100
109	M105	X	-8.505	-8.505	0	%100
110	M105	Z	4.91	4.91	0	%100
111	M106	X	-2.126	-2.126	0	%100
112	M106	Z	1.228	1.228	0	%100
113	M125	X	-10.556	-10.556	0	%100
114	M125	Z	6.095	6.095	0	%100
115	M126	X	-2.639	-2.639	0	%100
116	M126	Z	1.524	1.524	0	%100
117	M127	X	-2.639	-2.639	0	%100
118	M127	Z	1.524	1.524	0	%100
119	M128	X	-10.969	-10.969	0	%100
120	M128	Z	6.333	6.333	0	%100
121	M129	X	-4.765	-4.765	0	%100
122	M129	Z	2.751	2.751	0	%100
123	M130	X	-10.969	-10.969	0	%100
124	M130	Z	6.333	6.333	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	M4	X	-12.143	-12.143	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-8.535	-8.535	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-8.535	-8.535	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-20.495	-20.495	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-15.656	-15.656	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-16.49	-16.49	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, %]	
18	M80	Z	0	0	0	%100
19	M84	X	-20.495	-20.495	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-15.656	-15.656	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-16.49	-16.49	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-3.036	-3.036	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-7.706	-7.706	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-7.706	-7.706	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-15.371	-15.371	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-8.535	-8.535	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-5.124	-5.124	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-15.656	-15.656	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-16.49	-16.49	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-5.124	-5.124	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-3.036	-3.036	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-7.706	-7.706	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-7.706	-7.706	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-15.371	-15.371	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-8.535	-8.535	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-5.124	-5.124	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-5.124	-5.124	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-15.656	-15.656	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-16.49	-16.49	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	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, %]
75	M74	X	-8.966	-8.966	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-8.966	-8.966	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	-8.112	-8.112	0 %100
80	MP1A	Z	0	0	0 %100
81	MP2A	X	-8.112	-8.112	0 %100
82	MP2A	Z	0	0	0 %100
83	MP3A	X	-8.112	-8.112	0 %100
84	MP3A	Z	0	0	0 %100
85	MP4A	X	-8.112	-8.112	0 %100
86	MP4A	Z	0	0	0 %100
87	MP1C	X	-8.112	-8.112	0 %100
88	MP1C	Z	0	0	0 %100
89	MP2C	X	-8.112	-8.112	0 %100
90	MP2C	Z	0	0	0 %100
91	MP3C	X	-8.112	-8.112	0 %100
92	MP3C	Z	0	0	0 %100
93	MP4C	X	-8.112	-8.112	0 %100
94	MP4C	Z	0	0	0 %100
95	MP1B	X	-8.112	-8.112	0 %100
96	MP1B	Z	0	0	0 %100
97	MP2B	X	-8.112	-8.112	0 %100
98	MP2B	Z	0	0	0 %100
99	MP3B	X	-8.112	-8.112	0 %100
100	MP3B	Z	0	0	0 %100
101	MP4B	X	-8.112	-8.112	0 %100
102	MP4B	Z	0	0	0 %100
103	M101	X	-5.875	-5.875	0 %100
104	M101	Z	0	0	0 %100
105	M103	X	-5.875	-5.875	0 %100
106	M103	Z	0	0	0 %100
107	M104	X	0	0	0 %100
108	M104	Z	0	0	0 %100
109	M105	X	-7.365	-7.365	0 %100
110	M105	Z	0	0	0 %100
111	M106	X	-7.365	-7.365	0 %100
112	M106	Z	0	0	0 %100
113	M125	X	-9.142	-9.142	0 %100
114	M125	Z	0	0	0 %100
115	M126	X	-9.142	-9.142	0 %100
116	M126	Z	0	0	0 %100
117	M127	X	0	0	0 %100
118	M127	Z	0	0	0 %100
119	M128	X	-15.055	-15.055	0 %100
120	M128	Z	0	0	0 %100
121	M129	X	-7.89	-7.89	0 %100
122	M129	Z	0	0	0 %100
123	M130	X	-7.89	-7.89	0 %100
124	M130	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	M4	X	-7.887	-7.887	0 %100
2	M4	Z	-4.554	-4.554	0 %100
3	M10	X	-2.225	-2.225	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.%]
4	M10	Z	-1.284	-1.284	0	%100
5	M43	X	-2.225	-2.225	0	%100
6	M43	Z	-1.284	-1.284	0	%100
7	M46	X	-4.437	-4.437	0	%100
8	M46	Z	-2.562	-2.562	0	%100
9	M51B	X	-2.464	-2.464	0	%100
10	M51B	Z	-1.423	-1.423	0	%100
11	M52B	X	-9.856	-9.856	0	%100
12	M52B	Z	-5.69	-5.69	0	%100
13	M76	X	-13.312	-13.312	0	%100
14	M76	Z	-7.685	-7.685	0	%100
15	M77	X	-4.519	-4.519	0	%100
16	M77	Z	-2.609	-2.609	0	%100
17	M80	X	-4.76	-4.76	0	%100
18	M80	Z	-2.748	-2.748	0	%100
19	M84	X	-13.312	-13.312	0	%100
20	M84	Z	-7.685	-7.685	0	%100
21	M85	X	-18.078	-18.078	0	%100
22	M85	Z	-10.437	-10.437	0	%100
23	M91	X	-19.041	-19.041	0	%100
24	M91	Z	-10.993	-10.993	0	%100
25	M25	X	-7.887	-7.887	0	%100
26	M25	Z	-4.554	-4.554	0	%100
27	M26	X	-2.225	-2.225	0	%100
28	M26	Z	-1.284	-1.284	0	%100
29	M27	X	-2.225	-2.225	0	%100
30	M27	Z	-1.284	-1.284	0	%100
31	M28	X	-4.437	-4.437	0	%100
32	M28	Z	-2.562	-2.562	0	%100
33	M31	X	-9.856	-9.856	0	%100
34	M31	Z	-5.69	-5.69	0	%100
35	M32	X	-2.464	-2.464	0	%100
36	M32	Z	-1.423	-1.423	0	%100
37	M36	X	-13.312	-13.312	0	%100
38	M36	Z	-7.685	-7.685	0	%100
39	M37	X	-18.078	-18.078	0	%100
40	M37	Z	-10.437	-10.437	0	%100
41	M39	X	-19.041	-19.041	0	%100
42	M39	Z	-10.993	-10.993	0	%100
43	M41	X	-13.312	-13.312	0	%100
44	M41	Z	-7.685	-7.685	0	%100
45	M42	X	-4.519	-4.519	0	%100
46	M42	Z	-2.609	-2.609	0	%100
47	M44	X	-4.76	-4.76	0	%100
48	M44	Z	-2.748	-2.748	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-8.898	-8.898	0	%100
52	M50A	Z	-5.137	-5.137	0	%100
53	M51C	X	-8.898	-8.898	0	%100
54	M51C	Z	-5.137	-5.137	0	%100
55	M52A	X	-17.749	-17.749	0	%100
56	M52A	Z	-10.247	-10.247	0	%100
57	M55	X	-2.464	-2.464	0	%100
58	M55	Z	-1.423	-1.423	0	%100
59	M56	X	-2.464	-2.464	0	%100
60	M56	Z	-1.423	-1.423	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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, %]
61	M60	X	0	0	%100
62	M60	Z	0	0	%100
63	M61	X	-4.519	-4.519	%100
64	M61	Z	-2.609	-2.609	%100
65	M63	X	-4.76	-4.76	%100
66	M63	Z	-2.748	-2.748	%100
67	M65	X	0	0	%100
68	M65	Z	0	0	%100
69	M66	X	-4.519	-4.519	%100
70	M66	Z	-2.609	-2.609	%100
71	M68	X	-4.76	-4.76	%100
72	M68	Z	-2.748	-2.748	%100
73	M73	X	-2.588	-2.588	%100
74	M73	Z	-1.494	-1.494	%100
75	M74	X	-2.588	-2.588	%100
76	M74	Z	-1.494	-1.494	%100
77	M75	X	-10.354	-10.354	%100
78	M75	Z	-5.978	-5.978	%100
79	MP1A	X	-7.026	-7.026	%100
80	MP1A	Z	-4.056	-4.056	%100
81	MP2A	X	-7.026	-7.026	%100
82	MP2A	Z	-4.056	-4.056	%100
83	MP3A	X	-7.026	-7.026	%100
84	MP3A	Z	-4.056	-4.056	%100
85	MP4A	X	-7.026	-7.026	%100
86	MP4A	Z	-4.056	-4.056	%100
87	MP1C	X	-7.026	-7.026	%100
88	MP1C	Z	-4.056	-4.056	%100
89	MP2C	X	-7.026	-7.026	%100
90	MP2C	Z	-4.056	-4.056	%100
91	MP3C	X	-7.026	-7.026	%100
92	MP3C	Z	-4.056	-4.056	%100
93	MP4C	X	-7.026	-7.026	%100
94	MP4C	Z	-4.056	-4.056	%100
95	MP1B	X	-7.026	-7.026	%100
96	MP1B	Z	-4.056	-4.056	%100
97	MP2B	X	-7.026	-7.026	%100
98	MP2B	Z	-4.056	-4.056	%100
99	MP3B	X	-7.026	-7.026	%100
100	MP3B	Z	-4.056	-4.056	%100
101	MP4B	X	-7.026	-7.026	%100
102	MP4B	Z	-4.056	-4.056	%100
103	M101	X	-5.088	-5.088	%100
104	M101	Z	-2.937	-2.937	%100
105	M103	X	-5.088	-5.088	%100
106	M103	Z	-2.937	-2.937	%100
107	M104	X	-2.126	-2.126	%100
108	M104	Z	-1.228	-1.228	%100
109	M105	X	-2.126	-2.126	%100
110	M105	Z	-1.228	-1.228	%100
111	M106	X	-8.505	-8.505	%100
112	M106	Z	-4.91	-4.91	%100
113	M125	X	-2.639	-2.639	%100
114	M125	Z	-1.524	-1.524	%100
115	M126	X	-10.556	-10.556	%100
116	M126	Z	-6.095	-6.095	%100
117	M127	X	-2.639	-2.639	%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.%]
118	M127	Z	-1.524	-1.524	0	%100
119	M128	X	-10.969	-10.969	0	%100
120	M128	Z	-6.333	-6.333	0	%100
121	M129	X	-10.969	-10.969	0	%100
122	M129	Z	-6.333	-6.333	0	%100
123	M130	X	-4.765	-4.765	0	%100
124	M130	Z	-2.751	-2.751	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	M4	X	-1.518	-1.518	0	%100
2	M4	Z	-2.629	-2.629	0	%100
3	M10	X	-3.853	-3.853	0	%100
4	M10	Z	-6.674	-6.674	0	%100
5	M43	X	-3.853	-3.853	0	%100
6	M43	Z	-6.674	-6.674	0	%100
7	M46	X	-7.685	-7.685	0	%100
8	M46	Z	-13.312	-13.312	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-4.268	-4.268	0	%100
12	M52B	Z	-7.392	-7.392	0	%100
13	M76	X	-2.562	-2.562	0	%100
14	M76	Z	-4.437	-4.437	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-2.562	-2.562	0	%100
20	M84	Z	-4.437	-4.437	0	%100
21	M85	X	-7.828	-7.828	0	%100
22	M85	Z	-13.558	-13.558	0	%100
23	M91	X	-8.245	-8.245	0	%100
24	M91	Z	-14.281	-14.281	0	%100
25	M25	X	-6.071	-6.071	0	%100
26	M25	Z	-10.516	-10.516	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-4.268	-4.268	0	%100
34	M31	Z	-7.392	-7.392	0	%100
35	M32	X	-4.268	-4.268	0	%100
36	M32	Z	-7.392	-7.392	0	%100
37	M36	X	-10.247	-10.247	0	%100
38	M36	Z	-17.749	-17.749	0	%100
39	M37	X	-7.828	-7.828	0	%100
40	M37	Z	-13.558	-13.558	0	%100
41	M39	X	-8.245	-8.245	0	%100
42	M39	Z	-14.281	-14.281	0	%100
43	M41	X	-10.247	-10.247	0	%100
44	M41	Z	-17.749	-17.749	0	%100
45	M42	X	-7.828	-7.828	0	%100
46	M42	Z	-13.558	-13.558	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.-%]
47	M44	X	-8.245	-8.245	0 %100
48	M44	Z	-14.281	-14.281	0 %100
49	M49	X	-1.518	-1.518	0 %100
50	M49	Z	-2.629	-2.629	0 %100
51	M50A	X	-3.853	-3.853	0 %100
52	M50A	Z	-6.674	-6.674	0 %100
53	M51C	X	-3.853	-3.853	0 %100
54	M51C	Z	-6.674	-6.674	0 %100
55	M52A	X	-7.685	-7.685	0 %100
56	M52A	Z	-13.312	-13.312	0 %100
57	M55	X	-4.268	-4.268	0 %100
58	M55	Z	-7.392	-7.392	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	-2.562	-2.562	0 %100
62	M60	Z	-4.437	-4.437	0 %100
63	M61	X	-7.828	-7.828	0 %100
64	M61	Z	-13.558	-13.558	0 %100
65	M63	X	-8.245	-8.245	0 %100
66	M63	Z	-14.281	-14.281	0 %100
67	M65	X	-2.562	-2.562	0 %100
68	M65	Z	-4.437	-4.437	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	-4.483	-4.483	0 %100
74	M73	Z	-7.765	-7.765	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-4.483	-4.483	0 %100
78	M75	Z	-7.765	-7.765	0 %100
79	MP1A	X	-4.056	-4.056	0 %100
80	MP1A	Z	-7.026	-7.026	0 %100
81	MP2A	X	-4.056	-4.056	0 %100
82	MP2A	Z	-7.026	-7.026	0 %100
83	MP3A	X	-4.056	-4.056	0 %100
84	MP3A	Z	-7.026	-7.026	0 %100
85	MP4A	X	-4.056	-4.056	0 %100
86	MP4A	Z	-7.026	-7.026	0 %100
87	MP1C	X	-4.056	-4.056	0 %100
88	MP1C	Z	-7.026	-7.026	0 %100
89	MP2C	X	-4.056	-4.056	0 %100
90	MP2C	Z	-7.026	-7.026	0 %100
91	MP3C	X	-4.056	-4.056	0 %100
92	MP3C	Z	-7.026	-7.026	0 %100
93	MP4C	X	-4.056	-4.056	0 %100
94	MP4C	Z	-7.026	-7.026	0 %100
95	MP1B	X	-4.056	-4.056	0 %100
96	MP1B	Z	-7.026	-7.026	0 %100
97	MP2B	X	-4.056	-4.056	0 %100
98	MP2B	Z	-7.026	-7.026	0 %100
99	MP3B	X	-4.056	-4.056	0 %100
100	MP3B	Z	-7.026	-7.026	0 %100
101	MP4B	X	-4.056	-4.056	0 %100
102	MP4B	Z	-7.026	-7.026	0 %100
103	M101	X	-2.937	-2.937	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.%,]
104	M101	Z	-5.088	-5.088	0	%100
105	M103	X	-2.937	-2.937	0	%100
106	M103	Z	-5.088	-5.088	0	%100
107	M104	X	-3.683	-3.683	0	%100
108	M104	Z	-6.379	-6.379	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	-3.683	-3.683	0	%100
112	M106	Z	-6.379	-6.379	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-4.571	-4.571	0	%100
116	M126	Z	-7.917	-7.917	0	%100
117	M127	X	-4.571	-4.571	0	%100
118	M127	Z	-7.917	-7.917	0	%100
119	M128	X	-3.945	-3.945	0	%100
120	M128	Z	-6.833	-6.833	0	%100
121	M129	X	-7.527	-7.527	0	%100
122	M129	Z	-13.038	-13.038	0	%100
123	M130	X	-3.945	-3.945	0	%100
124	M130	Z	-6.833	-6.833	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.324	-3.324	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.324	-3.324	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-4.976	-4.976	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-0.942	-0.942	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-0.942	-0.942	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.251	-1.251	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.302	-1.302	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.251	-1.251	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-1.302	-1.302	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-3.032	-3.032	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-0.831	-0.831	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-0.831	-0.831	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.244	-1.244	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.%]
33	M31	X	0	0	%100
34	M31	Z	-0.942	-0.942	%100
35	M32	X	0	0	%100
36	M32	Z	-3.766	-3.766	%100
37	M36	X	0	0	%100
38	M36	Z	-3.701	-3.701	%100
39	M37	X	0	0	%100
40	M37	Z	-1.251	-1.251	%100
41	M39	X	0	0	%100
42	M39	Z	-1.302	-1.302	%100
43	M41	X	0	0	%100
44	M41	Z	-3.701	-3.701	%100
45	M42	X	0	0	%100
46	M42	Z	-5.003	-5.003	%100
47	M44	X	0	0	%100
48	M44	Z	-5.207	-5.207	%100
49	M49	X	0	0	%100
50	M49	Z	-3.032	-3.032	%100
51	M50A	X	0	0	%100
52	M50A	Z	-0.831	-0.831	%100
53	M51C	X	0	0	%100
54	M51C	Z	-0.831	-0.831	%100
55	M52A	X	0	0	%100
56	M52A	Z	-1.244	-1.244	%100
57	M55	X	0	0	%100
58	M55	Z	-3.766	-3.766	%100
59	M56	X	0	0	%100
60	M56	Z	-0.942	-0.942	%100
61	M60	X	0	0	%100
62	M60	Z	-3.701	-3.701	%100
63	M61	X	0	0	%100
64	M61	Z	-5.003	-5.003	%100
65	M63	X	0	0	%100
66	M63	Z	-5.207	-5.207	%100
67	M65	X	0	0	%100
68	M65	Z	-3.701	-3.701	%100
69	M66	X	0	0	%100
70	M66	Z	-1.251	-1.251	%100
71	M68	X	0	0	%100
72	M68	Z	-1.302	-1.302	%100
73	M73	X	0	0	%100
74	M73	Z	-4.298	-4.298	%100
75	M74	X	0	0	%100
76	M74	Z	-1.075	-1.075	%100
77	M75	X	0	0	%100
78	M75	Z	-1.075	-1.075	%100
79	MP1A	X	0	0	%100
80	MP1A	Z	-3.43	-3.43	%100
81	MP2A	X	0	0	%100
82	MP2A	Z	-3.566	-3.566	%100
83	MP3A	X	0	0	%100
84	MP3A	Z	-3.566	-3.566	%100
85	MP4A	X	0	0	%100
86	MP4A	Z	-3.43	-3.43	%100
87	MP1C	X	0	0	%100
88	MP1C	Z	-3.43	-3.43	%100
89	MP2C	X	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.%,]
90	MP2C	Z	-3.566	-3.566	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-3.566	-3.566	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-3.43	-3.43	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-3.43	-3.43	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.566	-3.566	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.566	-3.566	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-3.43	-3.43	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-2.483	-2.483	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-2.483	-2.483	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-3.915	-3.915	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	-0.979	-0.979	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	-0.979	-0.979	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-0.903	-0.903	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-0.903	-0.903	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-3.611	-3.611	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-1.341	-1.341	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-3.686	-3.686	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-3.686	-3.686	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	M4	X	.505	.505	0	%100
2	M4	Z	-.875	-.875	0	%100
3	M10	X	1.247	1.247	0	%100
4	M10	Z	-2.159	-2.159	0	%100
5	M43	X	1.247	1.247	0	%100
6	M43	Z	-2.159	-2.159	0	%100
7	M46	X	1.866	1.866	0	%100
8	M46	Z	-3.232	-3.232	0	%100
9	M51B	X	1.412	1.412	0	%100
10	M51B	Z	-2.446	-2.446	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.617	.617	0	%100
14	M76	Z	-1.068	-1.068	0	%100
15	M77	X	1.876	1.876	0	%100
16	M77	Z	-3.25	-3.25	0	%100
17	M80	X	1.953	1.953	0	%100
18	M80	Z	-3.382	-3.382	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%]
19	M84	X	.617	.617	0 %100
20	M84	Z	-1.068	-1.068	0 %100
21	M85	X	0	0	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	0	0	0 %100
25	M25	X	.505	.505	0 %100
26	M25	Z	-.875	-.875	0 %100
27	M26	X	1.247	1.247	0 %100
28	M26	Z	-2.159	-2.159	0 %100
29	M27	X	1.247	1.247	0 %100
30	M27	Z	-2.159	-2.159	0 %100
31	M28	X	1.866	1.866	0 %100
32	M28	Z	-3.232	-3.232	0 %100
33	M31	X	0	0	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	1.412	1.412	0 %100
36	M32	Z	-2.446	-2.446	0 %100
37	M36	X	.617	.617	0 %100
38	M36	Z	-1.068	-1.068	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	.617	.617	0 %100
44	M41	Z	-1.068	-1.068	0 %100
45	M42	X	1.876	1.876	0 %100
46	M42	Z	-3.25	-3.25	0 %100
47	M44	X	1.953	1.953	0 %100
48	M44	Z	-3.382	-3.382	0 %100
49	M49	X	2.021	2.021	0 %100
50	M49	Z	-3.501	-3.501	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	1.412	1.412	0 %100
58	M55	Z	-2.446	-2.446	0 %100
59	M56	X	1.412	1.412	0 %100
60	M56	Z	-2.446	-2.446	0 %100
61	M60	X	2.467	2.467	0 %100
62	M60	Z	-4.274	-4.274	0 %100
63	M61	X	1.876	1.876	0 %100
64	M61	Z	-3.25	-3.25	0 %100
65	M63	X	1.953	1.953	0 %100
66	M63	Z	-3.382	-3.382	0 %100
67	M65	X	2.467	2.467	0 %100
68	M65	Z	-4.274	-4.274	0 %100
69	M66	X	1.876	1.876	0 %100
70	M66	Z	-3.25	-3.25	0 %100
71	M68	X	1.953	1.953	0 %100
72	M68	Z	-3.382	-3.382	0 %100
73	M73	X	1.612	1.612	0 %100
74	M73	Z	-2.792	-2.792	0 %100
75	M74	X	1.612	1.612	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.-%]
76	M74	Z	-2.792	-2.792	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	1.715	1.715	0	%100
80	MP1A	Z	-2.97	-2.97	0	%100
81	MP2A	X	1.783	1.783	0	%100
82	MP2A	Z	-3.088	-3.088	0	%100
83	MP3A	X	1.783	1.783	0	%100
84	MP3A	Z	-3.088	-3.088	0	%100
85	MP4A	X	1.715	1.715	0	%100
86	MP4A	Z	-2.97	-2.97	0	%100
87	MP1C	X	1.715	1.715	0	%100
88	MP1C	Z	-2.97	-2.97	0	%100
89	MP2C	X	1.783	1.783	0	%100
90	MP2C	Z	-3.088	-3.088	0	%100
91	MP3C	X	1.783	1.783	0	%100
92	MP3C	Z	-3.088	-3.088	0	%100
93	MP4C	X	1.715	1.715	0	%100
94	MP4C	Z	-2.97	-2.97	0	%100
95	MP1B	X	1.715	1.715	0	%100
96	MP1B	Z	-2.97	-2.97	0	%100
97	MP2B	X	1.783	1.783	0	%100
98	MP2B	Z	-3.088	-3.088	0	%100
99	MP3B	X	1.783	1.783	0	%100
100	MP3B	Z	-3.088	-3.088	0	%100
101	MP4B	X	1.715	1.715	0	%100
102	MP4B	Z	-2.97	-2.97	0	%100
103	M101	X	1.241	1.241	0	%100
104	M101	Z	-2.15	-2.15	0	%100
105	M103	X	1.241	1.241	0	%100
106	M103	Z	-2.15	-2.15	0	%100
107	M104	X	1.468	1.468	0	%100
108	M104	Z	-2.543	-2.543	0	%100
109	M105	X	1.468	1.468	0	%100
110	M105	Z	-2.543	-2.543	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	1.354	1.354	0	%100
114	M125	Z	-2.345	-2.345	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	1.354	1.354	0	%100
118	M127	Z	-2.345	-2.345	0	%100
119	M128	X	1.061	1.061	0	%100
120	M128	Z	-1.838	-1.838	0	%100
121	M129	X	1.061	1.061	0	%100
122	M129	Z	-1.838	-1.838	0	%100
123	M130	X	2.234	2.234	0	%100
124	M130	Z	-3.869	-3.869	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	M4	X	2.626	2.626	0	%100
2	M4	Z	-1.516	-1.516	0	%100
3	M10	X	.72	.72	0	%100
4	M10	Z	-.416	-.416	0	%100



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 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%]
5	M43	X	.72	.72	0 %100
6	M43	Z	-.416	-.416	0 %100
7	M46	X	1.077	1.077	0 %100
8	M46	Z	-.622	-.622	0 %100
9	M51B	X	3.262	3.262	0 %100
10	M51B	Z	-1.883	-1.883	0 %100
11	M52B	X	.815	.815	0 %100
12	M52B	Z	-.471	-.471	0 %100
13	M76	X	3.205	3.205	0 %100
14	M76	Z	-1.851	-1.851	0 %100
15	M77	X	4.333	4.333	0 %100
16	M77	Z	-2.502	-2.502	0 %100
17	M80	X	4.51	4.51	0 %100
18	M80	Z	-2.604	-2.604	0 %100
19	M84	X	3.205	3.205	0 %100
20	M84	Z	-1.851	-1.851	0 %100
21	M85	X	1.083	1.083	0 %100
22	M85	Z	-.625	-.625	0 %100
23	M91	X	1.127	1.127	0 %100
24	M91	Z	-.651	-.651	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	2.879	2.879	0 %100
28	M26	Z	-1.662	-1.662	0 %100
29	M27	X	2.879	2.879	0 %100
30	M27	Z	-1.662	-1.662	0 %100
31	M28	X	4.309	4.309	0 %100
32	M28	Z	-2.488	-2.488	0 %100
33	M31	X	.815	.815	0 %100
34	M31	Z	-.471	-.471	0 %100
35	M32	X	.815	.815	0 %100
36	M32	Z	-.471	-.471	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	1.083	1.083	0 %100
40	M37	Z	-.625	-.625	0 %100
41	M39	X	1.127	1.127	0 %100
42	M39	Z	-.651	-.651	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	1.083	1.083	0 %100
46	M42	Z	-.625	-.625	0 %100
47	M44	X	1.127	1.127	0 %100
48	M44	Z	-.651	-.651	0 %100
49	M49	X	2.626	2.626	0 %100
50	M49	Z	-1.516	-1.516	0 %100
51	M50A	X	.72	.72	0 %100
52	M50A	Z	-.416	-.416	0 %100
53	M51C	X	.72	.72	0 %100
54	M51C	Z	-.416	-.416	0 %100
55	M52A	X	1.077	1.077	0 %100
56	M52A	Z	-.622	-.622	0 %100
57	M55	X	.815	.815	0 %100
58	M55	Z	-.471	-.471	0 %100
59	M56	X	3.262	3.262	0 %100
60	M56	Z	-1.883	-1.883	0 %100
61	M60	X	3.205	3.205	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, %]
62	M60	Z	-1.851	-1.851	0 %100
63	M61	X	1.083	1.083	0 %100
64	M61	Z	-.625	-.625	0 %100
65	M63	X	1.127	1.127	0 %100
66	M63	Z	-.651	-.651	0 %100
67	M65	X	3.205	3.205	0 %100
68	M65	Z	-1.851	-1.851	0 %100
69	M66	X	4.333	4.333	0 %100
70	M66	Z	-2.502	-2.502	0 %100
71	M68	X	4.51	4.51	0 %100
72	M68	Z	-2.604	-2.604	0 %100
73	M73	X	.931	.931	0 %100
74	M73	Z	-.537	-.537	0 %100
75	M74	X	3.722	3.722	0 %100
76	M74	Z	-2.149	-2.149	0 %100
77	M75	X	.931	.931	0 %100
78	M75	Z	-.537	-.537	0 %100
79	MP1A	X	2.97	2.97	0 %100
80	MP1A	Z	-1.715	-1.715	0 %100
81	MP2A	X	3.088	3.088	0 %100
82	MP2A	Z	-1.783	-1.783	0 %100
83	MP3A	X	3.088	3.088	0 %100
84	MP3A	Z	-1.783	-1.783	0 %100
85	MP4A	X	2.97	2.97	0 %100
86	MP4A	Z	-1.715	-1.715	0 %100
87	MP1C	X	2.97	2.97	0 %100
88	MP1C	Z	-1.715	-1.715	0 %100
89	MP2C	X	3.088	3.088	0 %100
90	MP2C	Z	-1.783	-1.783	0 %100
91	MP3C	X	3.088	3.088	0 %100
92	MP3C	Z	-1.783	-1.783	0 %100
93	MP4C	X	2.97	2.97	0 %100
94	MP4C	Z	-1.715	-1.715	0 %100
95	MP1B	X	2.97	2.97	0 %100
96	MP1B	Z	-1.715	-1.715	0 %100
97	MP2B	X	3.088	3.088	0 %100
98	MP2B	Z	-1.783	-1.783	0 %100
99	MP3B	X	3.088	3.088	0 %100
100	MP3B	Z	-1.783	-1.783	0 %100
101	MP4B	X	2.97	2.97	0 %100
102	MP4B	Z	-1.715	-1.715	0 %100
103	M101	X	2.15	2.15	0 %100
104	M101	Z	-1.241	-1.241	0 %100
105	M103	X	2.15	2.15	0 %100
106	M103	Z	-1.241	-1.241	0 %100
107	M104	X	.848	.848	0 %100
108	M104	Z	-.489	-.489	0 %100
109	M105	X	3.39	3.39	0 %100
110	M105	Z	-1.958	-1.958	0 %100
111	M106	X	.848	.848	0 %100
112	M106	Z	-.489	-.489	0 %100
113	M125	X	3.127	3.127	0 %100
114	M125	Z	-1.805	-1.805	0 %100
115	M126	X	.782	.782	0 %100
116	M126	Z	-.451	-.451	0 %100
117	M127	X	.782	.782	0 %100
118	M127	Z	-.451	-.451	0 %100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%,]
119	M128	X	3.192	3.192	0	%100
120	M128	Z	-1.843	-1.843	0	%100
121	M129	X	1.161	1.161	0	%100
122	M129	Z	-.67	-.67	0	%100
123	M130	X	3.192	3.192	0	%100
124	M130	Z	-1.843	-1.843	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	M4	X	4.043	4.043	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.825	2.825	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.825	2.825	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	4.935	4.935	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	3.752	3.752	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	3.905	3.905	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	4.935	4.935	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	3.752	3.752	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	3.905	3.905	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.011	1.011	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	2.493	2.493	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	2.493	2.493	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	3.732	3.732	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	2.825	2.825	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	1.234	1.234	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	3.752	3.752	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	3.905	3.905	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	1.234	1.234	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	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, %]
48	M44	Z	0	0	0 %100
49	M49	X	1.011	1.011	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	2.493	2.493	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	2.493	2.493	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	3.732	3.732	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	0	0	0 %100
59	M56	X	2.825	2.825	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	1.234	1.234	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	0	0	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M65	X	1.234	1.234	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	3.752	3.752	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	3.905	3.905	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	0	0	0 %100
75	M74	X	3.224	3.224	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	3.224	3.224	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	3.43	3.43	0 %100
80	MP1A	Z	0	0	0 %100
81	MP2A	X	3.566	3.566	0 %100
82	MP2A	Z	0	0	0 %100
83	MP3A	X	3.566	3.566	0 %100
84	MP3A	Z	0	0	0 %100
85	MP4A	X	3.43	3.43	0 %100
86	MP4A	Z	0	0	0 %100
87	MP1C	X	3.43	3.43	0 %100
88	MP1C	Z	0	0	0 %100
89	MP2C	X	3.566	3.566	0 %100
90	MP2C	Z	0	0	0 %100
91	MP3C	X	3.566	3.566	0 %100
92	MP3C	Z	0	0	0 %100
93	MP4C	X	3.43	3.43	0 %100
94	MP4C	Z	0	0	0 %100
95	MP1B	X	3.43	3.43	0 %100
96	MP1B	Z	0	0	0 %100
97	MP2B	X	3.566	3.566	0 %100
98	MP2B	Z	0	0	0 %100
99	MP3B	X	3.566	3.566	0 %100
100	MP3B	Z	0	0	0 %100
101	MP4B	X	3.43	3.43	0 %100
102	MP4B	Z	0	0	0 %100
103	M101	X	2.483	2.483	0 %100
104	M101	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.%,]
105	M103	X	2.483	2.483	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M105	X	2.936	2.936	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	2.936	2.936	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	2.708	2.708	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	2.708	2.708	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	4.468	4.468	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	2.123	2.123	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	2.123	2.123	0	%100
124	M130	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	M4	X	2.626	2.626	0	%100
2	M4	Z	1.516	1.516	0	%100
3	M10	X	.72	.72	0	%100
4	M10	Z	.416	.416	0	%100
5	M43	X	.72	.72	0	%100
6	M43	Z	.416	.416	0	%100
7	M46	X	1.077	1.077	0	%100
8	M46	Z	.622	.622	0	%100
9	M51B	X	.815	.815	0	%100
10	M51B	Z	.471	.471	0	%100
11	M52B	X	3.262	3.262	0	%100
12	M52B	Z	1.883	1.883	0	%100
13	M76	X	3.205	3.205	0	%100
14	M76	Z	1.851	1.851	0	%100
15	M77	X	1.083	1.083	0	%100
16	M77	Z	.625	.625	0	%100
17	M80	X	1.127	1.127	0	%100
18	M80	Z	.651	.651	0	%100
19	M84	X	3.205	3.205	0	%100
20	M84	Z	1.851	1.851	0	%100
21	M85	X	4.333	4.333	0	%100
22	M85	Z	2.502	2.502	0	%100
23	M91	X	4.51	4.51	0	%100
24	M91	Z	2.604	2.604	0	%100
25	M25	X	2.626	2.626	0	%100
26	M25	Z	1.516	1.516	0	%100
27	M26	X	.72	.72	0	%100
28	M26	Z	.416	.416	0	%100
29	M27	X	.72	.72	0	%100
30	M27	Z	.416	.416	0	%100
31	M28	X	1.077	1.077	0	%100
32	M28	Z	.622	.622	0	%100
33	M31	X	3.262	3.262	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, %]
34	M31	Z	1.883	1.883	0	%100
35	M32	X	.815	.815	0	%100
36	M32	Z	.471	.471	0	%100
37	M36	X	3.205	3.205	0	%100
38	M36	Z	1.851	1.851	0	%100
39	M37	X	4.333	4.333	0	%100
40	M37	Z	2.502	2.502	0	%100
41	M39	X	4.51	4.51	0	%100
42	M39	Z	2.604	2.604	0	%100
43	M41	X	3.205	3.205	0	%100
44	M41	Z	1.851	1.851	0	%100
45	M42	X	1.083	1.083	0	%100
46	M42	Z	.625	.625	0	%100
47	M44	X	1.127	1.127	0	%100
48	M44	Z	.651	.651	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	2.879	2.879	0	%100
52	M50A	Z	1.662	1.662	0	%100
53	M51C	X	2.879	2.879	0	%100
54	M51C	Z	1.662	1.662	0	%100
55	M52A	X	4.309	4.309	0	%100
56	M52A	Z	2.488	2.488	0	%100
57	M55	X	.815	.815	0	%100
58	M55	Z	.471	.471	0	%100
59	M56	X	.815	.815	0	%100
60	M56	Z	.471	.471	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	1.083	1.083	0	%100
64	M61	Z	.625	.625	0	%100
65	M63	X	1.127	1.127	0	%100
66	M63	Z	.651	.651	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.083	1.083	0	%100
70	M66	Z	.625	.625	0	%100
71	M68	X	1.127	1.127	0	%100
72	M68	Z	.651	.651	0	%100
73	M73	X	.931	.931	0	%100
74	M73	Z	.537	.537	0	%100
75	M74	X	.931	.931	0	%100
76	M74	Z	.537	.537	0	%100
77	M75	X	3.722	3.722	0	%100
78	M75	Z	2.149	2.149	0	%100
79	MP1A	X	2.97	2.97	0	%100
80	MP1A	Z	1.715	1.715	0	%100
81	MP2A	X	3.088	3.088	0	%100
82	MP2A	Z	1.783	1.783	0	%100
83	MP3A	X	3.088	3.088	0	%100
84	MP3A	Z	1.783	1.783	0	%100
85	MP4A	X	2.97	2.97	0	%100
86	MP4A	Z	1.715	1.715	0	%100
87	MP1C	X	2.97	2.97	0	%100
88	MP1C	Z	1.715	1.715	0	%100
89	MP2C	X	3.088	3.088	0	%100
90	MP2C	Z	1.783	1.783	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.%]
91	MP3C	X	3.088	3.088	0	%100
92	MP3C	Z	1.783	1.783	0	%100
93	MP4C	X	2.97	2.97	0	%100
94	MP4C	Z	1.715	1.715	0	%100
95	MP1B	X	2.97	2.97	0	%100
96	MP1B	Z	1.715	1.715	0	%100
97	MP2B	X	3.088	3.088	0	%100
98	MP2B	Z	1.783	1.783	0	%100
99	MP3B	X	3.088	3.088	0	%100
100	MP3B	Z	1.783	1.783	0	%100
101	MP4B	X	2.97	2.97	0	%100
102	MP4B	Z	1.715	1.715	0	%100
103	M101	X	2.15	2.15	0	%100
104	M101	Z	1.241	1.241	0	%100
105	M103	X	2.15	2.15	0	%100
106	M103	Z	1.241	1.241	0	%100
107	M104	X	.848	.848	0	%100
108	M104	Z	.489	.489	0	%100
109	M105	X	.848	.848	0	%100
110	M105	Z	.489	.489	0	%100
111	M106	X	3.39	3.39	0	%100
112	M106	Z	1.958	1.958	0	%100
113	M125	X	.782	.782	0	%100
114	M125	Z	.451	.451	0	%100
115	M126	X	3.127	3.127	0	%100
116	M126	Z	1.805	1.805	0	%100
117	M127	X	.782	.782	0	%100
118	M127	Z	.451	.451	0	%100
119	M128	X	3.192	3.192	0	%100
120	M128	Z	1.843	1.843	0	%100
121	M129	X	3.192	3.192	0	%100
122	M129	Z	1.843	1.843	0	%100
123	M130	X	1.161	1.161	0	%100
124	M130	Z	.67	.67	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	M4	X	.505	.505	0	%100
2	M4	Z	.875	.875	0	%100
3	M10	X	1.247	1.247	0	%100
4	M10	Z	2.159	2.159	0	%100
5	M43	X	1.247	1.247	0	%100
6	M43	Z	2.159	2.159	0	%100
7	M46	X	1.866	1.866	0	%100
8	M46	Z	3.232	3.232	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.412	1.412	0	%100
12	M52B	Z	2.446	2.446	0	%100
13	M76	X	.617	.617	0	%100
14	M76	Z	1.068	1.068	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.617	.617	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%]
20	M84	Z	1.068	1.068	0 %100
21	M85	X	1.876	1.876	0 %100
22	M85	Z	3.25	3.25	0 %100
23	M91	X	1.953	1.953	0 %100
24	M91	Z	3.382	3.382	0 %100
25	M25	X	2.021	2.021	0 %100
26	M25	Z	3.501	3.501	0 %100
27	M26	X	0	0	0 %100
28	M26	Z	0	0	0 %100
29	M27	X	0	0	0 %100
30	M27	Z	0	0	0 %100
31	M28	X	0	0	0 %100
32	M28	Z	0	0	0 %100
33	M31	X	1.412	1.412	0 %100
34	M31	Z	2.446	2.446	0 %100
35	M32	X	1.412	1.412	0 %100
36	M32	Z	2.446	2.446	0 %100
37	M36	X	2.467	2.467	0 %100
38	M36	Z	4.274	4.274	0 %100
39	M37	X	1.876	1.876	0 %100
40	M37	Z	3.25	3.25	0 %100
41	M39	X	1.953	1.953	0 %100
42	M39	Z	3.382	3.382	0 %100
43	M41	X	2.467	2.467	0 %100
44	M41	Z	4.274	4.274	0 %100
45	M42	X	1.876	1.876	0 %100
46	M42	Z	3.25	3.25	0 %100
47	M44	X	1.953	1.953	0 %100
48	M44	Z	3.382	3.382	0 %100
49	M49	X	.505	.505	0 %100
50	M49	Z	.875	.875	0 %100
51	M50A	X	1.247	1.247	0 %100
52	M50A	Z	2.159	2.159	0 %100
53	M51C	X	1.247	1.247	0 %100
54	M51C	Z	2.159	2.159	0 %100
55	M52A	X	1.866	1.866	0 %100
56	M52A	Z	3.232	3.232	0 %100
57	M55	X	1.412	1.412	0 %100
58	M55	Z	2.446	2.446	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.617	.617	0 %100
62	M60	Z	1.068	1.068	0 %100
63	M61	X	1.876	1.876	0 %100
64	M61	Z	3.25	3.25	0 %100
65	M63	X	1.953	1.953	0 %100
66	M63	Z	3.382	3.382	0 %100
67	M65	X	.617	.617	0 %100
68	M65	Z	1.068	1.068	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	1.612	1.612	0 %100
74	M73	Z	2.792	2.792	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
77	M75	X	1.612	1.612	0	%100
78	M75	Z	2.792	2.792	0	%100
79	MP1A	X	1.715	1.715	0	%100
80	MP1A	Z	2.97	2.97	0	%100
81	MP2A	X	1.783	1.783	0	%100
82	MP2A	Z	3.088	3.088	0	%100
83	MP3A	X	1.783	1.783	0	%100
84	MP3A	Z	3.088	3.088	0	%100
85	MP4A	X	1.715	1.715	0	%100
86	MP4A	Z	2.97	2.97	0	%100
87	MP1C	X	1.715	1.715	0	%100
88	MP1C	Z	2.97	2.97	0	%100
89	MP2C	X	1.783	1.783	0	%100
90	MP2C	Z	3.088	3.088	0	%100
91	MP3C	X	1.783	1.783	0	%100
92	MP3C	Z	3.088	3.088	0	%100
93	MP4C	X	1.715	1.715	0	%100
94	MP4C	Z	2.97	2.97	0	%100
95	MP1B	X	1.715	1.715	0	%100
96	MP1B	Z	2.97	2.97	0	%100
97	MP2B	X	1.783	1.783	0	%100
98	MP2B	Z	3.088	3.088	0	%100
99	MP3B	X	1.783	1.783	0	%100
100	MP3B	Z	3.088	3.088	0	%100
101	MP4B	X	1.715	1.715	0	%100
102	MP4B	Z	2.97	2.97	0	%100
103	M101	X	1.241	1.241	0	%100
104	M101	Z	2.15	2.15	0	%100
105	M103	X	1.241	1.241	0	%100
106	M103	Z	2.15	2.15	0	%100
107	M104	X	1.468	1.468	0	%100
108	M104	Z	2.543	2.543	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	1.468	1.468	0	%100
112	M106	Z	2.543	2.543	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	1.354	1.354	0	%100
116	M126	Z	2.345	2.345	0	%100
117	M127	X	1.354	1.354	0	%100
118	M127	Z	2.345	2.345	0	%100
119	M128	X	1.061	1.061	0	%100
120	M128	Z	1.838	1.838	0	%100
121	M129	X	2.234	2.234	0	%100
122	M129	Z	3.869	3.869	0	%100
123	M130	X	1.061	1.061	0	%100
124	M130	Z	1.838	1.838	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.324	3.324	0	%100
5	M43	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.%]
6	M43	Z	3.324	3.324	0 %100
7	M46	X	0	0	0 %100
8	M46	Z	4.976	4.976	0 %100
9	M51B	X	0	0	0 %100
10	M51B	Z	.942	.942	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	.942	.942	0 %100
13	M76	X	0	0	0 %100
14	M76	Z	0	0	0 %100
15	M77	X	0	0	0 %100
16	M77	Z	1.251	1.251	0 %100
17	M80	X	0	0	0 %100
18	M80	Z	1.302	1.302	0 %100
19	M84	X	0	0	0 %100
20	M84	Z	0	0	0 %100
21	M85	X	0	0	0 %100
22	M85	Z	1.251	1.251	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	1.302	1.302	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	3.032	3.032	0 %100
27	M26	X	0	0	0 %100
28	M26	Z	.831	.831	0 %100
29	M27	X	0	0	0 %100
30	M27	Z	.831	.831	0 %100
31	M28	X	0	0	0 %100
32	M28	Z	1.244	1.244	0 %100
33	M31	X	0	0	0 %100
34	M31	Z	.942	.942	0 %100
35	M32	X	0	0	0 %100
36	M32	Z	3.766	3.766	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	3.701	3.701	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	1.251	1.251	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	1.302	1.302	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	3.701	3.701	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	5.003	5.003	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	5.207	5.207	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	3.032	3.032	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	.831	.831	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	.831	.831	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	1.244	1.244	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	3.766	3.766	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	.942	.942	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	3.701	3.701	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.%]
63	M61	X	0	0	%100
64	M61	Z	5.003	5.003	%100
65	M63	X	0	0	%100
66	M63	Z	5.207	5.207	%100
67	M65	X	0	0	%100
68	M65	Z	3.701	3.701	%100
69	M66	X	0	0	%100
70	M66	Z	1.251	1.251	%100
71	M68	X	0	0	%100
72	M68	Z	1.302	1.302	%100
73	M73	X	0	0	%100
74	M73	Z	4.298	4.298	%100
75	M74	X	0	0	%100
76	M74	Z	1.075	1.075	%100
77	M75	X	0	0	%100
78	M75	Z	1.075	1.075	%100
79	MP1A	X	0	0	%100
80	MP1A	Z	3.43	3.43	%100
81	MP2A	X	0	0	%100
82	MP2A	Z	3.566	3.566	%100
83	MP3A	X	0	0	%100
84	MP3A	Z	3.566	3.566	%100
85	MP4A	X	0	0	%100
86	MP4A	Z	3.43	3.43	%100
87	MP1C	X	0	0	%100
88	MP1C	Z	3.43	3.43	%100
89	MP2C	X	0	0	%100
90	MP2C	Z	3.566	3.566	%100
91	MP3C	X	0	0	%100
92	MP3C	Z	3.566	3.566	%100
93	MP4C	X	0	0	%100
94	MP4C	Z	3.43	3.43	%100
95	MP1B	X	0	0	%100
96	MP1B	Z	3.43	3.43	%100
97	MP2B	X	0	0	%100
98	MP2B	Z	3.566	3.566	%100
99	MP3B	X	0	0	%100
100	MP3B	Z	3.566	3.566	%100
101	MP4B	X	0	0	%100
102	MP4B	Z	3.43	3.43	%100
103	M101	X	0	0	%100
104	M101	Z	2.483	2.483	%100
105	M103	X	0	0	%100
106	M103	Z	2.483	2.483	%100
107	M104	X	0	0	%100
108	M104	Z	3.915	3.915	%100
109	M105	X	0	0	%100
110	M105	Z	.979	.979	%100
111	M106	X	0	0	%100
112	M106	Z	.979	.979	%100
113	M125	X	0	0	%100
114	M125	Z	.903	.903	%100
115	M126	X	0	0	%100
116	M126	Z	.903	.903	%100
117	M127	X	0	0	%100
118	M127	Z	3.611	3.611	%100
119	M128	X	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.%]
120	M128	Z	1.341	1.341	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	3.686	3.686	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	3.686	3.686	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	M4	X	-.505	-.505	0	%100
2	M4	Z	.875	.875	0	%100
3	M10	X	-1.247	-1.247	0	%100
4	M10	Z	2.159	2.159	0	%100
5	M43	X	-1.247	-1.247	0	%100
6	M43	Z	2.159	2.159	0	%100
7	M46	X	-1.866	-1.866	0	%100
8	M46	Z	3.232	3.232	0	%100
9	M51B	X	-1.412	-1.412	0	%100
10	M51B	Z	2.446	2.446	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.617	-.617	0	%100
14	M76	Z	1.068	1.068	0	%100
15	M77	X	-1.876	-1.876	0	%100
16	M77	Z	3.25	3.25	0	%100
17	M80	X	-1.953	-1.953	0	%100
18	M80	Z	3.382	3.382	0	%100
19	M84	X	-.617	-.617	0	%100
20	M84	Z	1.068	1.068	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.505	-.505	0	%100
26	M25	Z	.875	.875	0	%100
27	M26	X	-1.247	-1.247	0	%100
28	M26	Z	2.159	2.159	0	%100
29	M27	X	-1.247	-1.247	0	%100
30	M27	Z	2.159	2.159	0	%100
31	M28	X	-1.866	-1.866	0	%100
32	M28	Z	3.232	3.232	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-1.412	-1.412	0	%100
36	M32	Z	2.446	2.446	0	%100
37	M36	X	-.617	-.617	0	%100
38	M36	Z	1.068	1.068	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.617	-.617	0	%100
44	M41	Z	1.068	1.068	0	%100
45	M42	X	-1.876	-1.876	0	%100
46	M42	Z	3.25	3.25	0	%100
47	M44	X	-1.953	-1.953	0	%100
48	M44	Z	3.382	3.382	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%,]
49	M49	X	-2.021	-2.021	0 %100
50	M49	Z	3.501	3.501	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	-1.412	-1.412	0 %100
58	M55	Z	2.446	2.446	0 %100
59	M56	X	-1.412	-1.412	0 %100
60	M56	Z	2.446	2.446	0 %100
61	M60	X	-2.467	-2.467	0 %100
62	M60	Z	4.274	4.274	0 %100
63	M61	X	-1.876	-1.876	0 %100
64	M61	Z	3.25	3.25	0 %100
65	M63	X	-1.953	-1.953	0 %100
66	M63	Z	3.382	3.382	0 %100
67	M65	X	-2.467	-2.467	0 %100
68	M65	Z	4.274	4.274	0 %100
69	M66	X	-1.876	-1.876	0 %100
70	M66	Z	3.25	3.25	0 %100
71	M68	X	-1.953	-1.953	0 %100
72	M68	Z	3.382	3.382	0 %100
73	M73	X	-1.612	-1.612	0 %100
74	M73	Z	2.792	2.792	0 %100
75	M74	X	-1.612	-1.612	0 %100
76	M74	Z	2.792	2.792	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	-1.715	-1.715	0 %100
80	MP1A	Z	2.97	2.97	0 %100
81	MP2A	X	-1.783	-1.783	0 %100
82	MP2A	Z	3.088	3.088	0 %100
83	MP3A	X	-1.783	-1.783	0 %100
84	MP3A	Z	3.088	3.088	0 %100
85	MP4A	X	-1.715	-1.715	0 %100
86	MP4A	Z	2.97	2.97	0 %100
87	MP1C	X	-1.715	-1.715	0 %100
88	MP1C	Z	2.97	2.97	0 %100
89	MP2C	X	-1.783	-1.783	0 %100
90	MP2C	Z	3.088	3.088	0 %100
91	MP3C	X	-1.783	-1.783	0 %100
92	MP3C	Z	3.088	3.088	0 %100
93	MP4C	X	-1.715	-1.715	0 %100
94	MP4C	Z	2.97	2.97	0 %100
95	MP1B	X	-1.715	-1.715	0 %100
96	MP1B	Z	2.97	2.97	0 %100
97	MP2B	X	-1.783	-1.783	0 %100
98	MP2B	Z	3.088	3.088	0 %100
99	MP3B	X	-1.783	-1.783	0 %100
100	MP3B	Z	3.088	3.088	0 %100
101	MP4B	X	-1.715	-1.715	0 %100
102	MP4B	Z	2.97	2.97	0 %100
103	M101	X	-1.241	-1.241	0 %100
104	M101	Z	2.15	2.15	0 %100
105	M103	X	-1.241	-1.241	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.%]
106	M103	Z	2.15	2.15	0	%100
107	M104	X	-1.468	-1.468	0	%100
108	M104	Z	2.543	2.543	0	%100
109	M105	X	-1.468	-1.468	0	%100
110	M105	Z	2.543	2.543	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	-1.354	-1.354	0	%100
114	M125	Z	2.345	2.345	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-1.354	-1.354	0	%100
118	M127	Z	2.345	2.345	0	%100
119	M128	X	-1.061	-1.061	0	%100
120	M128	Z	1.838	1.838	0	%100
121	M129	X	-1.061	-1.061	0	%100
122	M129	Z	1.838	1.838	0	%100
123	M130	X	-2.234	-2.234	0	%100
124	M130	Z	3.869	3.869	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	M4	X	-2.626	-2.626	0	%100
2	M4	Z	1.516	1.516	0	%100
3	M10	X	-.72	-.72	0	%100
4	M10	Z	.416	.416	0	%100
5	M43	X	-.72	-.72	0	%100
6	M43	Z	.416	.416	0	%100
7	M46	X	-1.077	-1.077	0	%100
8	M46	Z	.622	.622	0	%100
9	M51B	X	-3.262	-3.262	0	%100
10	M51B	Z	1.883	1.883	0	%100
11	M52B	X	-.815	-.815	0	%100
12	M52B	Z	.471	.471	0	%100
13	M76	X	-3.205	-3.205	0	%100
14	M76	Z	1.851	1.851	0	%100
15	M77	X	-4.333	-4.333	0	%100
16	M77	Z	2.502	2.502	0	%100
17	M80	X	-4.51	-4.51	0	%100
18	M80	Z	2.604	2.604	0	%100
19	M84	X	-3.205	-3.205	0	%100
20	M84	Z	1.851	1.851	0	%100
21	M85	X	-1.083	-1.083	0	%100
22	M85	Z	.625	.625	0	%100
23	M91	X	-1.127	-1.127	0	%100
24	M91	Z	.651	.651	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.879	-2.879	0	%100
28	M26	Z	1.662	1.662	0	%100
29	M27	X	-2.879	-2.879	0	%100
30	M27	Z	1.662	1.662	0	%100
31	M28	X	-4.309	-4.309	0	%100
32	M28	Z	2.488	2.488	0	%100
33	M31	X	-.815	-.815	0	%100
34	M31	Z	.471	.471	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, %]
35	M32	X	- .815	- .815	0 %100
36	M32	Z	.471	.471	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	-1.083	-1.083	0 %100
40	M37	Z	.625	.625	0 %100
41	M39	X	-1.127	-1.127	0 %100
42	M39	Z	.651	.651	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	-1.083	-1.083	0 %100
46	M42	Z	.625	.625	0 %100
47	M44	X	-1.127	-1.127	0 %100
48	M44	Z	.651	.651	0 %100
49	M49	X	-2.626	-2.626	0 %100
50	M49	Z	1.516	1.516	0 %100
51	M50A	X	-.72	-.72	0 %100
52	M50A	Z	.416	.416	0 %100
53	M51C	X	-.72	-.72	0 %100
54	M51C	Z	.416	.416	0 %100
55	M52A	X	-1.077	-1.077	0 %100
56	M52A	Z	.622	.622	0 %100
57	M55	X	-.815	-.815	0 %100
58	M55	Z	.471	.471	0 %100
59	M56	X	-3.262	-3.262	0 %100
60	M56	Z	1.883	1.883	0 %100
61	M60	X	-3.205	-3.205	0 %100
62	M60	Z	1.851	1.851	0 %100
63	M61	X	-1.083	-1.083	0 %100
64	M61	Z	.625	.625	0 %100
65	M63	X	-1.127	-1.127	0 %100
66	M63	Z	.651	.651	0 %100
67	M65	X	-3.205	-3.205	0 %100
68	M65	Z	1.851	1.851	0 %100
69	M66	X	-4.333	-4.333	0 %100
70	M66	Z	2.502	2.502	0 %100
71	M68	X	-4.51	-4.51	0 %100
72	M68	Z	2.604	2.604	0 %100
73	M73	X	-.931	-.931	0 %100
74	M73	Z	.537	.537	0 %100
75	M74	X	-3.722	-3.722	0 %100
76	M74	Z	2.149	2.149	0 %100
77	M75	X	-.931	-.931	0 %100
78	M75	Z	.537	.537	0 %100
79	MP1A	X	-2.97	-2.97	0 %100
80	MP1A	Z	1.715	1.715	0 %100
81	MP2A	X	-3.088	-3.088	0 %100
82	MP2A	Z	1.783	1.783	0 %100
83	MP3A	X	-3.088	-3.088	0 %100
84	MP3A	Z	1.783	1.783	0 %100
85	MP4A	X	-2.97	-2.97	0 %100
86	MP4A	Z	1.715	1.715	0 %100
87	MP1C	X	-2.97	-2.97	0 %100
88	MP1C	Z	1.715	1.715	0 %100
89	MP2C	X	-3.088	-3.088	0 %100
90	MP2C	Z	1.783	1.783	0 %100
91	MP3C	X	-3.088	-3.088	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, %]
92	MP3C	Z	1.783	1.783	0	%100
93	MP4C	X	-2.97	-2.97	0	%100
94	MP4C	Z	1.715	1.715	0	%100
95	MP1B	X	-2.97	-2.97	0	%100
96	MP1B	Z	1.715	1.715	0	%100
97	MP2B	X	-3.088	-3.088	0	%100
98	MP2B	Z	1.783	1.783	0	%100
99	MP3B	X	-3.088	-3.088	0	%100
100	MP3B	Z	1.783	1.783	0	%100
101	MP4B	X	-2.97	-2.97	0	%100
102	MP4B	Z	1.715	1.715	0	%100
103	M101	X	-2.15	-2.15	0	%100
104	M101	Z	1.241	1.241	0	%100
105	M103	X	-2.15	-2.15	0	%100
106	M103	Z	1.241	1.241	0	%100
107	M104	X	-.848	-.848	0	%100
108	M104	Z	.489	.489	0	%100
109	M105	X	-3.39	-3.39	0	%100
110	M105	Z	1.958	1.958	0	%100
111	M106	X	-.848	-.848	0	%100
112	M106	Z	.489	.489	0	%100
113	M125	X	-3.127	-3.127	0	%100
114	M125	Z	1.805	1.805	0	%100
115	M126	X	-.782	-.782	0	%100
116	M126	Z	.451	.451	0	%100
117	M127	X	-.782	-.782	0	%100
118	M127	Z	.451	.451	0	%100
119	M128	X	-3.192	-3.192	0	%100
120	M128	Z	1.843	1.843	0	%100
121	M129	X	-1.161	-1.161	0	%100
122	M129	Z	.67	.67	0	%100
123	M130	X	-3.192	-3.192	0	%100
124	M130	Z	1.843	1.843	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	M4	X	-4.043	-4.043	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.825	-2.825	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.825	-2.825	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-4.935	-4.935	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-3.752	-3.752	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-3.905	-3.905	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-4.935	-4.935	0	%100
20	M84	Z	0	0	0	%100



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 Designer : AJH
 Job Number :
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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.%,]
21	M85	X	-3.752	-3.752	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	-3.905	-3.905	0 %100
24	M91	Z	0	0	0 %100
25	M25	X	-1.011	-1.011	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	-2.493	-2.493	0 %100
28	M26	Z	0	0	0 %100
29	M27	X	-2.493	-2.493	0 %100
30	M27	Z	0	0	0 %100
31	M28	X	-3.732	-3.732	0 %100
32	M28	Z	0	0	0 %100
33	M31	X	-2.825	-2.825	0 %100
34	M31	Z	0	0	0 %100
35	M32	X	0	0	0 %100
36	M32	Z	0	0	0 %100
37	M36	X	-1.234	-1.234	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	-3.752	-3.752	0 %100
40	M37	Z	0	0	0 %100
41	M39	X	-3.905	-3.905	0 %100
42	M39	Z	0	0	0 %100
43	M41	X	-1.234	-1.234	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	0	0	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	0	0	0 %100
49	M49	X	-1.011	-1.011	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	-2.493	-2.493	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	-2.493	-2.493	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	-3.732	-3.732	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	0	0	0 %100
59	M56	X	-2.825	-2.825	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	-1.234	-1.234	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	0	0	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M65	X	-1.234	-1.234	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	-3.752	-3.752	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	-3.905	-3.905	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	0	0	0 %100
75	M74	X	-3.224	-3.224	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-3.224	-3.224	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, %]
78	M75	Z	0	0	0	%100
79	MP1A	X	-3.43	-3.43	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-3.566	-3.566	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.566	-3.566	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-3.43	-3.43	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-3.43	-3.43	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-3.566	-3.566	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-3.566	-3.566	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-3.43	-3.43	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-3.43	-3.43	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-3.566	-3.566	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-3.566	-3.566	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-3.43	-3.43	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	-2.483	-2.483	0	%100
104	M101	Z	0	0	0	%100
105	M103	X	-2.483	-2.483	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M105	X	-2.936	-2.936	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	-2.936	-2.936	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	-2.708	-2.708	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-2.708	-2.708	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-4.468	-4.468	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	-2.123	-2.123	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	-2.123	-2.123	0	%100
124	M130	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	M4	X	-2.626	-2.626	0	%100
2	M4	Z	-1.516	-1.516	0	%100
3	M10	X	-.72	-.72	0	%100
4	M10	Z	-.416	-.416	0	%100
5	M43	X	-.72	-.72	0	%100
6	M43	Z	-.416	-.416	0	%100



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 Designer : AJH
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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.%,]
7	M46	X	-1.077	-1.077	0 %100
8	M46	Z	-.622	-.622	0 %100
9	M51B	X	-.815	-.815	0 %100
10	M51B	Z	-.471	-.471	0 %100
11	M52B	X	-3.262	-3.262	0 %100
12	M52B	Z	-1.883	-1.883	0 %100
13	M76	X	-3.205	-3.205	0 %100
14	M76	Z	-1.851	-1.851	0 %100
15	M77	X	-1.083	-1.083	0 %100
16	M77	Z	-.625	-.625	0 %100
17	M80	X	-1.127	-1.127	0 %100
18	M80	Z	-.651	-.651	0 %100
19	M84	X	-3.205	-3.205	0 %100
20	M84	Z	-1.851	-1.851	0 %100
21	M85	X	-4.333	-4.333	0 %100
22	M85	Z	-2.502	-2.502	0 %100
23	M91	X	-4.51	-4.51	0 %100
24	M91	Z	-2.604	-2.604	0 %100
25	M25	X	-2.626	-2.626	0 %100
26	M25	Z	-1.516	-1.516	0 %100
27	M26	X	-.72	-.72	0 %100
28	M26	Z	-.416	-.416	0 %100
29	M27	X	-.72	-.72	0 %100
30	M27	Z	-.416	-.416	0 %100
31	M28	X	-1.077	-1.077	0 %100
32	M28	Z	-.622	-.622	0 %100
33	M31	X	-3.262	-3.262	0 %100
34	M31	Z	-1.883	-1.883	0 %100
35	M32	X	-.815	-.815	0 %100
36	M32	Z	-.471	-.471	0 %100
37	M36	X	-3.205	-3.205	0 %100
38	M36	Z	-1.851	-1.851	0 %100
39	M37	X	-4.333	-4.333	0 %100
40	M37	Z	-2.502	-2.502	0 %100
41	M39	X	-4.51	-4.51	0 %100
42	M39	Z	-2.604	-2.604	0 %100
43	M41	X	-3.205	-3.205	0 %100
44	M41	Z	-1.851	-1.851	0 %100
45	M42	X	-1.083	-1.083	0 %100
46	M42	Z	-.625	-.625	0 %100
47	M44	X	-1.127	-1.127	0 %100
48	M44	Z	-.651	-.651	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	-2.879	-2.879	0 %100
52	M50A	Z	-1.662	-1.662	0 %100
53	M51C	X	-2.879	-2.879	0 %100
54	M51C	Z	-1.662	-1.662	0 %100
55	M52A	X	-4.309	-4.309	0 %100
56	M52A	Z	-2.488	-2.488	0 %100
57	M55	X	-.815	-.815	0 %100
58	M55	Z	-.471	-.471	0 %100
59	M56	X	-.815	-.815	0 %100
60	M56	Z	-.471	-.471	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	-1.083	-1.083	0 %100



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 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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, %]
64	M61	Z	-.625	-.625	0 %100
65	M63	X	-1.127	-1.127	0 %100
66	M63	Z	-.651	-.651	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	-1.083	-1.083	0 %100
70	M66	Z	-.625	-.625	0 %100
71	M68	X	-1.127	-1.127	0 %100
72	M68	Z	-.651	-.651	0 %100
73	M73	X	-.931	-.931	0 %100
74	M73	Z	-.537	-.537	0 %100
75	M74	X	-.931	-.931	0 %100
76	M74	Z	-.537	-.537	0 %100
77	M75	X	-3.722	-3.722	0 %100
78	M75	Z	-2.149	-2.149	0 %100
79	MP1A	X	-2.97	-2.97	0 %100
80	MP1A	Z	-1.715	-1.715	0 %100
81	MP2A	X	-3.088	-3.088	0 %100
82	MP2A	Z	-1.783	-1.783	0 %100
83	MP3A	X	-3.088	-3.088	0 %100
84	MP3A	Z	-1.783	-1.783	0 %100
85	MP4A	X	-2.97	-2.97	0 %100
86	MP4A	Z	-1.715	-1.715	0 %100
87	MP1C	X	-2.97	-2.97	0 %100
88	MP1C	Z	-1.715	-1.715	0 %100
89	MP2C	X	-3.088	-3.088	0 %100
90	MP2C	Z	-1.783	-1.783	0 %100
91	MP3C	X	-3.088	-3.088	0 %100
92	MP3C	Z	-1.783	-1.783	0 %100
93	MP4C	X	-2.97	-2.97	0 %100
94	MP4C	Z	-1.715	-1.715	0 %100
95	MP1B	X	-2.97	-2.97	0 %100
96	MP1B	Z	-1.715	-1.715	0 %100
97	MP2B	X	-3.088	-3.088	0 %100
98	MP2B	Z	-1.783	-1.783	0 %100
99	MP3B	X	-3.088	-3.088	0 %100
100	MP3B	Z	-1.783	-1.783	0 %100
101	MP4B	X	-2.97	-2.97	0 %100
102	MP4B	Z	-1.715	-1.715	0 %100
103	M101	X	-2.15	-2.15	0 %100
104	M101	Z	-1.241	-1.241	0 %100
105	M103	X	-2.15	-2.15	0 %100
106	M103	Z	-1.241	-1.241	0 %100
107	M104	X	-.848	-.848	0 %100
108	M104	Z	-.489	-.489	0 %100
109	M105	X	-.848	-.848	0 %100
110	M105	Z	-.489	-.489	0 %100
111	M106	X	-3.39	-3.39	0 %100
112	M106	Z	-1.958	-1.958	0 %100
113	M125	X	-.782	-.782	0 %100
114	M125	Z	-.451	-.451	0 %100
115	M126	X	-3.127	-3.127	0 %100
116	M126	Z	-1.805	-1.805	0 %100
117	M127	X	-.782	-.782	0 %100
118	M127	Z	-.451	-.451	0 %100
119	M128	X	-3.192	-3.192	0 %100
120	M128	Z	-1.843	-1.843	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.%]
121	M129	X	-3.192	-3.192	0	%100
122	M129	Z	-1.843	-1.843	0	%100
123	M130	X	-1.161	-1.161	0	%100
124	M130	Z	-.67	-.67	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	M4	X	-.505	-.505	0	%100
2	M4	Z	-.875	-.875	0	%100
3	M10	X	-1.247	-1.247	0	%100
4	M10	Z	-2.159	-2.159	0	%100
5	M43	X	-1.247	-1.247	0	%100
6	M43	Z	-2.159	-2.159	0	%100
7	M46	X	-1.866	-1.866	0	%100
8	M46	Z	-3.232	-3.232	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.412	-1.412	0	%100
12	M52B	Z	-2.446	-2.446	0	%100
13	M76	X	-.617	-.617	0	%100
14	M76	Z	-1.068	-1.068	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.617	-.617	0	%100
20	M84	Z	-1.068	-1.068	0	%100
21	M85	X	-1.876	-1.876	0	%100
22	M85	Z	-3.25	-3.25	0	%100
23	M91	X	-1.953	-1.953	0	%100
24	M91	Z	-3.382	-3.382	0	%100
25	M25	X	-2.021	-2.021	0	%100
26	M25	Z	-3.501	-3.501	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-1.412	-1.412	0	%100
34	M31	Z	-2.446	-2.446	0	%100
35	M32	X	-1.412	-1.412	0	%100
36	M32	Z	-2.446	-2.446	0	%100
37	M36	X	-2.467	-2.467	0	%100
38	M36	Z	-4.274	-4.274	0	%100
39	M37	X	-1.876	-1.876	0	%100
40	M37	Z	-3.25	-3.25	0	%100
41	M39	X	-1.953	-1.953	0	%100
42	M39	Z	-3.382	-3.382	0	%100
43	M41	X	-2.467	-2.467	0	%100
44	M41	Z	-4.274	-4.274	0	%100
45	M42	X	-1.876	-1.876	0	%100
46	M42	Z	-3.25	-3.25	0	%100
47	M44	X	-1.953	-1.953	0	%100
48	M44	Z	-3.382	-3.382	0	%100
49	M49	X	-.505	-.505	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.%]
50	M49	Z	-0.875	-0.875	0 %100
51	M50A	X	-1.247	-1.247	0 %100
52	M50A	Z	-2.159	-2.159	0 %100
53	M51C	X	-1.247	-1.247	0 %100
54	M51C	Z	-2.159	-2.159	0 %100
55	M52A	X	-1.866	-1.866	0 %100
56	M52A	Z	-3.232	-3.232	0 %100
57	M55	X	-1.412	-1.412	0 %100
58	M55	Z	-2.446	-2.446	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	-0.617	-0.617	0 %100
62	M60	Z	-1.068	-1.068	0 %100
63	M61	X	-1.876	-1.876	0 %100
64	M61	Z	-3.25	-3.25	0 %100
65	M63	X	-1.953	-1.953	0 %100
66	M63	Z	-3.382	-3.382	0 %100
67	M65	X	-0.617	-0.617	0 %100
68	M65	Z	-1.068	-1.068	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	-1.612	-1.612	0 %100
74	M73	Z	-2.792	-2.792	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-1.612	-1.612	0 %100
78	M75	Z	-2.792	-2.792	0 %100
79	MP1A	X	-1.715	-1.715	0 %100
80	MP1A	Z	-2.97	-2.97	0 %100
81	MP2A	X	-1.783	-1.783	0 %100
82	MP2A	Z	-3.088	-3.088	0 %100
83	MP3A	X	-1.783	-1.783	0 %100
84	MP3A	Z	-3.088	-3.088	0 %100
85	MP4A	X	-1.715	-1.715	0 %100
86	MP4A	Z	-2.97	-2.97	0 %100
87	MP1C	X	-1.715	-1.715	0 %100
88	MP1C	Z	-2.97	-2.97	0 %100
89	MP2C	X	-1.783	-1.783	0 %100
90	MP2C	Z	-3.088	-3.088	0 %100
91	MP3C	X	-1.783	-1.783	0 %100
92	MP3C	Z	-3.088	-3.088	0 %100
93	MP4C	X	-1.715	-1.715	0 %100
94	MP4C	Z	-2.97	-2.97	0 %100
95	MP1B	X	-1.715	-1.715	0 %100
96	MP1B	Z	-2.97	-2.97	0 %100
97	MP2B	X	-1.783	-1.783	0 %100
98	MP2B	Z	-3.088	-3.088	0 %100
99	MP3B	X	-1.783	-1.783	0 %100
100	MP3B	Z	-3.088	-3.088	0 %100
101	MP4B	X	-1.715	-1.715	0 %100
102	MP4B	Z	-2.97	-2.97	0 %100
103	M101	X	-1.241	-1.241	0 %100
104	M101	Z	-2.15	-2.15	0 %100
105	M103	X	-1.241	-1.241	0 %100
106	M103	Z	-2.15	-2.15	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.%,]
107	M104	X	-1.468	-1.468	0	%100
108	M104	Z	-2.543	-2.543	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	-1.468	-1.468	0	%100
112	M106	Z	-2.543	-2.543	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-1.354	-1.354	0	%100
116	M126	Z	-2.345	-2.345	0	%100
117	M127	X	-1.354	-1.354	0	%100
118	M127	Z	-2.345	-2.345	0	%100
119	M128	X	-1.061	-1.061	0	%100
120	M128	Z	-1.838	-1.838	0	%100
121	M129	X	-2.234	-2.234	0	%100
122	M129	Z	-3.869	-3.869	0	%100
123	M130	X	-1.061	-1.061	0	%100
124	M130	Z	-1.838	-1.838	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.664	-.664	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.664	-.664	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.325	-1.325	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.184	-.184	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.184	-.184	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.337	-.337	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.355	-.355	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.337	-.337	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.355	-.355	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.589	-.589	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.166	-.166	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.166	-.166	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.331	-.331	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.184	-.184	0	%100
35	M32	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, %]
36	M32	Z	-0.736	-0.736	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	-0.994	-0.994	0 %100
39	M37	X	0	0	0 %100
40	M37	Z	-0.337	-0.337	0 %100
41	M39	X	0	0	0 %100
42	M39	Z	-0.355	-0.355	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	-0.994	-0.994	0 %100
45	M42	X	0	0	0 %100
46	M42	Z	-1.349	-1.349	0 %100
47	M44	X	0	0	0 %100
48	M44	Z	-1.421	-1.421	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	-0.589	-0.589	0 %100
51	M50A	X	0	0	0 %100
52	M50A	Z	-0.166	-0.166	0 %100
53	M51C	X	0	0	0 %100
54	M51C	Z	-0.166	-0.166	0 %100
55	M52A	X	0	0	0 %100
56	M52A	Z	-0.331	-0.331	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	-0.736	-0.736	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	-0.184	-0.184	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	-0.994	-0.994	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	-1.349	-1.349	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	-1.421	-1.421	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	-0.994	-0.994	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	-0.337	-0.337	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	-0.355	-0.355	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	-0.773	-0.773	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	-0.193	-0.193	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	-0.193	-0.193	0 %100
79	MP1A	X	0	0	0 %100
80	MP1A	Z	-0.524	-0.524	0 %100
81	MP2A	X	0	0	0 %100
82	MP2A	Z	-0.524	-0.524	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	-0.524	-0.524	0 %100
85	MP4A	X	0	0	0 %100
86	MP4A	Z	-0.524	-0.524	0 %100
87	MP1C	X	0	0	0 %100
88	MP1C	Z	-0.524	-0.524	0 %100
89	MP2C	X	0	0	0 %100
90	MP2C	Z	-0.524	-0.524	0 %100
91	MP3C	X	0	0	0 %100
92	MP3C	Z	-0.524	-0.524	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.%,]
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-.524	-.524	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-.524	-.524	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.524	-.524	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.524	-.524	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.524	-.524	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-.38	-.38	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-.38	-.38	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-.635	-.635	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	-.159	-.159	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	-.159	-.159	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-.197	-.197	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-.197	-.197	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.788	-.788	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-.356	-.356	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-.819	-.819	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-.819	-.819	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	M4	X	.098	.098	0	%100
2	M4	Z	-.17	-.17	0	%100
3	M10	X	.249	.249	0	%100
4	M10	Z	-.431	-.431	0	%100
5	M43	X	.249	.249	0	%100
6	M43	Z	-.431	-.431	0	%100
7	M46	X	.497	.497	0	%100
8	M46	Z	-.86	-.86	0	%100
9	M51B	X	.276	.276	0	%100
10	M51B	Z	-.478	-.478	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.166	.166	0	%100
14	M76	Z	-.287	-.287	0	%100
15	M77	X	.506	.506	0	%100
16	M77	Z	-.876	-.876	0	%100
17	M80	X	.533	.533	0	%100
18	M80	Z	-.923	-.923	0	%100
19	M84	X	.166	.166	0	%100
20	M84	Z	-.287	-.287	0	%100
21	M85	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.098	.098	0	%100
26	M25	Z	-.17	-.17	0	%100
27	M26	X	.249	.249	0	%100
28	M26	Z	-.431	-.431	0	%100
29	M27	X	.249	.249	0	%100
30	M27	Z	-.431	-.431	0	%100
31	M28	X	.497	.497	0	%100
32	M28	Z	-.86	-.86	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.276	.276	0	%100
36	M32	Z	-.478	-.478	0	%100
37	M36	X	.166	.166	0	%100
38	M36	Z	-.287	-.287	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.166	.166	0	%100
44	M41	Z	-.287	-.287	0	%100
45	M42	X	.506	.506	0	%100
46	M42	Z	-.876	-.876	0	%100
47	M44	X	.533	.533	0	%100
48	M44	Z	-.923	-.923	0	%100
49	M49	X	.392	.392	0	%100
50	M49	Z	-.68	-.68	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	.276	.276	0	%100
58	M55	Z	-.478	-.478	0	%100
59	M56	X	.276	.276	0	%100
60	M56	Z	-.478	-.478	0	%100
61	M60	X	.662	.662	0	%100
62	M60	Z	-1.147	-1.147	0	%100
63	M61	X	.506	.506	0	%100
64	M61	Z	-.876	-.876	0	%100
65	M63	X	.533	.533	0	%100
66	M63	Z	-.923	-.923	0	%100
67	M65	X	.662	.662	0	%100
68	M65	Z	-1.147	-1.147	0	%100
69	M66	X	.506	.506	0	%100
70	M66	Z	-.876	-.876	0	%100
71	M68	X	.533	.533	0	%100
72	M68	Z	-.923	-.923	0	%100
73	M73	X	.29	.29	0	%100
74	M73	Z	-.502	-.502	0	%100
75	M74	X	.29	.29	0	%100
76	M74	Z	-.502	-.502	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
79	MP1A	X	.262	.262	0	%100
80	MP1A	Z	-.454	-.454	0	%100
81	MP2A	X	.262	.262	0	%100
82	MP2A	Z	-.454	-.454	0	%100
83	MP3A	X	.262	.262	0	%100
84	MP3A	Z	-.454	-.454	0	%100
85	MP4A	X	.262	.262	0	%100
86	MP4A	Z	-.454	-.454	0	%100
87	MP1C	X	.262	.262	0	%100
88	MP1C	Z	-.454	-.454	0	%100
89	MP2C	X	.262	.262	0	%100
90	MP2C	Z	-.454	-.454	0	%100
91	MP3C	X	.262	.262	0	%100
92	MP3C	Z	-.454	-.454	0	%100
93	MP4C	X	.262	.262	0	%100
94	MP4C	Z	-.454	-.454	0	%100
95	MP1B	X	.262	.262	0	%100
96	MP1B	Z	-.454	-.454	0	%100
97	MP2B	X	.262	.262	0	%100
98	MP2B	Z	-.454	-.454	0	%100
99	MP3B	X	.262	.262	0	%100
100	MP3B	Z	-.454	-.454	0	%100
101	MP4B	X	.262	.262	0	%100
102	MP4B	Z	-.454	-.454	0	%100
103	M101	X	.19	.19	0	%100
104	M101	Z	-.329	-.329	0	%100
105	M103	X	.19	.19	0	%100
106	M103	Z	-.329	-.329	0	%100
107	M104	X	.238	.238	0	%100
108	M104	Z	-.412	-.412	0	%100
109	M105	X	.238	.238	0	%100
110	M105	Z	-.412	-.412	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	.295	.295	0	%100
114	M125	Z	-.512	-.512	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	.295	.295	0	%100
118	M127	Z	-.512	-.512	0	%100
119	M128	X	.255	.255	0	%100
120	M128	Z	-.442	-.442	0	%100
121	M129	X	.255	.255	0	%100
122	M129	Z	-.442	-.442	0	%100
123	M130	X	.487	.487	0	%100
124	M130	Z	-.843	-.843	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	M4	X	.51	.51	0	%100
2	M4	Z	-.294	-.294	0	%100
3	M10	X	.144	.144	0	%100
4	M10	Z	-.083	-.083	0	%100
5	M43	X	.144	.144	0	%100
6	M43	Z	-.083	-.083	0	%100
7	M46	X	.287	.287	0	%100



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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.%]
8	M46	Z	-.166	-.166	0 %100
9	M51B	X	.637	.637	0 %100
10	M51B	Z	-.368	-.368	0 %100
11	M52B	X	.159	.159	0 %100
12	M52B	Z	-.092	-.092	0 %100
13	M76	X	.86	.86	0 %100
14	M76	Z	-.497	-.497	0 %100
15	M77	X	1.168	1.168	0 %100
16	M77	Z	-.675	-.675	0 %100
17	M80	X	1.231	1.231	0 %100
18	M80	Z	-.711	-.711	0 %100
19	M84	X	.86	.86	0 %100
20	M84	Z	-.497	-.497	0 %100
21	M85	X	.292	.292	0 %100
22	M85	Z	-.169	-.169	0 %100
23	M91	X	.308	.308	0 %100
24	M91	Z	-.178	-.178	0 %100
25	M25	X	0	0	0 %100
26	M25	Z	0	0	0 %100
27	M26	X	.575	.575	0 %100
28	M26	Z	-.332	-.332	0 %100
29	M27	X	.575	.575	0 %100
30	M27	Z	-.332	-.332	0 %100
31	M28	X	1.147	1.147	0 %100
32	M28	Z	-.662	-.662	0 %100
33	M31	X	.159	.159	0 %100
34	M31	Z	-.092	-.092	0 %100
35	M32	X	.159	.159	0 %100
36	M32	Z	-.092	-.092	0 %100
37	M36	X	0	0	0 %100
38	M36	Z	0	0	0 %100
39	M37	X	.292	.292	0 %100
40	M37	Z	-.169	-.169	0 %100
41	M39	X	.308	.308	0 %100
42	M39	Z	-.178	-.178	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	.292	.292	0 %100
46	M42	Z	-.169	-.169	0 %100
47	M44	X	.308	.308	0 %100
48	M44	Z	-.178	-.178	0 %100
49	M49	X	.51	.51	0 %100
50	M49	Z	-.294	-.294	0 %100
51	M50A	X	.144	.144	0 %100
52	M50A	Z	-.083	-.083	0 %100
53	M51C	X	.144	.144	0 %100
54	M51C	Z	-.083	-.083	0 %100
55	M52A	X	.287	.287	0 %100
56	M52A	Z	-.166	-.166	0 %100
57	M55	X	.159	.159	0 %100
58	M55	Z	-.092	-.092	0 %100
59	M56	X	.637	.637	0 %100
60	M56	Z	-.368	-.368	0 %100
61	M60	X	.86	.86	0 %100
62	M60	Z	-.497	-.497	0 %100
63	M61	X	.292	.292	0 %100
64	M61	Z	-.169	-.169	0 %100



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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.%]
65	M63	X	.308	.308	0 %100
66	M63	Z	-.178	-.178	0 %100
67	M65	X	.86	.86	0 %100
68	M65	Z	-.497	-.497	0 %100
69	M66	X	1.168	1.168	0 %100
70	M66	Z	-.675	-.675	0 %100
71	M68	X	1.231	1.231	0 %100
72	M68	Z	-.711	-.711	0 %100
73	M73	X	.167	.167	0 %100
74	M73	Z	-.097	-.097	0 %100
75	M74	X	.669	.669	0 %100
76	M74	Z	-.386	-.386	0 %100
77	M75	X	.167	.167	0 %100
78	M75	Z	-.097	-.097	0 %100
79	MP1A	X	.454	.454	0 %100
80	MP1A	Z	-.262	-.262	0 %100
81	MP2A	X	.454	.454	0 %100
82	MP2A	Z	-.262	-.262	0 %100
83	MP3A	X	.454	.454	0 %100
84	MP3A	Z	-.262	-.262	0 %100
85	MP4A	X	.454	.454	0 %100
86	MP4A	Z	-.262	-.262	0 %100
87	MP1C	X	.454	.454	0 %100
88	MP1C	Z	-.262	-.262	0 %100
89	MP2C	X	.454	.454	0 %100
90	MP2C	Z	-.262	-.262	0 %100
91	MP3C	X	.454	.454	0 %100
92	MP3C	Z	-.262	-.262	0 %100
93	MP4C	X	.454	.454	0 %100
94	MP4C	Z	-.262	-.262	0 %100
95	MP1B	X	.454	.454	0 %100
96	MP1B	Z	-.262	-.262	0 %100
97	MP2B	X	.454	.454	0 %100
98	MP2B	Z	-.262	-.262	0 %100
99	MP3B	X	.454	.454	0 %100
100	MP3B	Z	-.262	-.262	0 %100
101	MP4B	X	.454	.454	0 %100
102	MP4B	Z	-.262	-.262	0 %100
103	M101	X	.329	.329	0 %100
104	M101	Z	-.19	-.19	0 %100
105	M103	X	.329	.329	0 %100
106	M103	Z	-.19	-.19	0 %100
107	M104	X	.137	.137	0 %100
108	M104	Z	-.079	-.079	0 %100
109	M105	X	.55	.55	0 %100
110	M105	Z	-.317	-.317	0 %100
111	M106	X	.137	.137	0 %100
112	M106	Z	-.079	-.079	0 %100
113	M125	X	.682	.682	0 %100
114	M125	Z	-.394	-.394	0 %100
115	M126	X	.171	.171	0 %100
116	M126	Z	-.098	-.098	0 %100
117	M127	X	.171	.171	0 %100
118	M127	Z	-.098	-.098	0 %100
119	M128	X	.709	.709	0 %100
120	M128	Z	-.409	-.409	0 %100
121	M129	X	.308	.308	0 %100



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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.%,]
122	M129	Z	-.178	-.178	0	%100
123	M130	X	.709	.709	0	%100
124	M130	Z	-.409	-.409	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	M4	X	.785	.785	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.552	.552	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.552	.552	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.325	1.325	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.012	1.012	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	1.066	1.066	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.325	1.325	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	1.012	1.012	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	1.066	1.066	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.196	.196	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.498	.498	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.498	.498	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	.994	.994	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.552	.552	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.331	.331	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.012	1.012	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	1.066	1.066	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.331	.331	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.196	.196	0	%100
50	M49	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, %]
51	M50A	X	.498	.498	0 %100
52	M50A	Z	0	0	0 %100
53	M51C	X	.498	.498	0 %100
54	M51C	Z	0	0	0 %100
55	M52A	X	.994	.994	0 %100
56	M52A	Z	0	0	0 %100
57	M55	X	0	0	0 %100
58	M55	Z	0	0	0 %100
59	M56	X	.552	.552	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.331	.331	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	0	0	0 %100
64	M61	Z	0	0	0 %100
65	M63	X	0	0	0 %100
66	M63	Z	0	0	0 %100
67	M65	X	.331	.331	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	1.012	1.012	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	1.066	1.066	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	0	0	0 %100
75	M74	X	.58	.58	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	.58	.58	0 %100
78	M75	Z	0	0	0 %100
79	MP1A	X	.524	.524	0 %100
80	MP1A	Z	0	0	0 %100
81	MP2A	X	.524	.524	0 %100
82	MP2A	Z	0	0	0 %100
83	MP3A	X	.524	.524	0 %100
84	MP3A	Z	0	0	0 %100
85	MP4A	X	.524	.524	0 %100
86	MP4A	Z	0	0	0 %100
87	MP1C	X	.524	.524	0 %100
88	MP1C	Z	0	0	0 %100
89	MP2C	X	.524	.524	0 %100
90	MP2C	Z	0	0	0 %100
91	MP3C	X	.524	.524	0 %100
92	MP3C	Z	0	0	0 %100
93	MP4C	X	.524	.524	0 %100
94	MP4C	Z	0	0	0 %100
95	MP1B	X	.524	.524	0 %100
96	MP1B	Z	0	0	0 %100
97	MP2B	X	.524	.524	0 %100
98	MP2B	Z	0	0	0 %100
99	MP3B	X	.524	.524	0 %100
100	MP3B	Z	0	0	0 %100
101	MP4B	X	.524	.524	0 %100
102	MP4B	Z	0	0	0 %100
103	M101	X	.38	.38	0 %100
104	M101	Z	0	0	0 %100
105	M103	X	.38	.38	0 %100
106	M103	Z	0	0	0 %100
107	M104	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, %]
108	M104	Z	0	0	0	%100
109	M105	X	.476	.476	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	.476	.476	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	.591	.591	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	.591	.591	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.973	.973	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	.51	.51	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	.51	.51	0	%100
124	M130	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	M4	X	.51	.51	0	%100
2	M4	Z	.294	.294	0	%100
3	M10	X	.144	.144	0	%100
4	M10	Z	.083	.083	0	%100
5	M43	X	.144	.144	0	%100
6	M43	Z	.083	.083	0	%100
7	M46	X	.287	.287	0	%100
8	M46	Z	.166	.166	0	%100
9	M51B	X	.159	.159	0	%100
10	M51B	Z	.092	.092	0	%100
11	M52B	X	.637	.637	0	%100
12	M52B	Z	.368	.368	0	%100
13	M76	X	.86	.86	0	%100
14	M76	Z	.497	.497	0	%100
15	M77	X	.292	.292	0	%100
16	M77	Z	.169	.169	0	%100
17	M80	X	.308	.308	0	%100
18	M80	Z	.178	.178	0	%100
19	M84	X	.86	.86	0	%100
20	M84	Z	.497	.497	0	%100
21	M85	X	1.168	1.168	0	%100
22	M85	Z	.675	.675	0	%100
23	M91	X	1.231	1.231	0	%100
24	M91	Z	.711	.711	0	%100
25	M25	X	.51	.51	0	%100
26	M25	Z	.294	.294	0	%100
27	M26	X	.144	.144	0	%100
28	M26	Z	.083	.083	0	%100
29	M27	X	.144	.144	0	%100
30	M27	Z	.083	.083	0	%100
31	M28	X	.287	.287	0	%100
32	M28	Z	.166	.166	0	%100
33	M31	X	.637	.637	0	%100
34	M31	Z	.368	.368	0	%100
35	M32	X	.159	.159	0	%100
36	M32	Z	.092	.092	0	%100



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 Designer : AJH
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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.%]
37	M36	X	.86	.86	0 %100
38	M36	Z	.497	.497	0 %100
39	M37	X	1.168	1.168	0 %100
40	M37	Z	.675	.675	0 %100
41	M39	X	1.231	1.231	0 %100
42	M39	Z	.711	.711	0 %100
43	M41	X	.86	.86	0 %100
44	M41	Z	.497	.497	0 %100
45	M42	X	.292	.292	0 %100
46	M42	Z	.169	.169	0 %100
47	M44	X	.308	.308	0 %100
48	M44	Z	.178	.178	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	.575	.575	0 %100
52	M50A	Z	.332	.332	0 %100
53	M51C	X	.575	.575	0 %100
54	M51C	Z	.332	.332	0 %100
55	M52A	X	1.147	1.147	0 %100
56	M52A	Z	.662	.662	0 %100
57	M55	X	.159	.159	0 %100
58	M55	Z	.092	.092	0 %100
59	M56	X	.159	.159	0 %100
60	M56	Z	.092	.092	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	.292	.292	0 %100
64	M61	Z	.169	.169	0 %100
65	M63	X	.308	.308	0 %100
66	M63	Z	.178	.178	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	.292	.292	0 %100
70	M66	Z	.169	.169	0 %100
71	M68	X	.308	.308	0 %100
72	M68	Z	.178	.178	0 %100
73	M73	X	.167	.167	0 %100
74	M73	Z	.097	.097	0 %100
75	M74	X	.167	.167	0 %100
76	M74	Z	.097	.097	0 %100
77	M75	X	.669	.669	0 %100
78	M75	Z	.386	.386	0 %100
79	MP1A	X	.454	.454	0 %100
80	MP1A	Z	.262	.262	0 %100
81	MP2A	X	.454	.454	0 %100
82	MP2A	Z	.262	.262	0 %100
83	MP3A	X	.454	.454	0 %100
84	MP3A	Z	.262	.262	0 %100
85	MP4A	X	.454	.454	0 %100
86	MP4A	Z	.262	.262	0 %100
87	MP1C	X	.454	.454	0 %100
88	MP1C	Z	.262	.262	0 %100
89	MP2C	X	.454	.454	0 %100
90	MP2C	Z	.262	.262	0 %100
91	MP3C	X	.454	.454	0 %100
92	MP3C	Z	.262	.262	0 %100
93	MP4C	X	.454	.454	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.%,]
94	MP4C	Z	.262	.262	0	%100
95	MP1B	X	.454	.454	0	%100
96	MP1B	Z	.262	.262	0	%100
97	MP2B	X	.454	.454	0	%100
98	MP2B	Z	.262	.262	0	%100
99	MP3B	X	.454	.454	0	%100
100	MP3B	Z	.262	.262	0	%100
101	MP4B	X	.454	.454	0	%100
102	MP4B	Z	.262	.262	0	%100
103	M101	X	.329	.329	0	%100
104	M101	Z	.19	.19	0	%100
105	M103	X	.329	.329	0	%100
106	M103	Z	.19	.19	0	%100
107	M104	X	.137	.137	0	%100
108	M104	Z	.079	.079	0	%100
109	M105	X	.137	.137	0	%100
110	M105	Z	.079	.079	0	%100
111	M106	X	.55	.55	0	%100
112	M106	Z	.317	.317	0	%100
113	M125	X	.171	.171	0	%100
114	M125	Z	.098	.098	0	%100
115	M126	X	.682	.682	0	%100
116	M126	Z	.394	.394	0	%100
117	M127	X	.171	.171	0	%100
118	M127	Z	.098	.098	0	%100
119	M128	X	.709	.709	0	%100
120	M128	Z	.409	.409	0	%100
121	M129	X	.709	.709	0	%100
122	M129	Z	.409	.409	0	%100
123	M130	X	.308	.308	0	%100
124	M130	Z	.178	.178	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	M4	X	.098	.098	0	%100
2	M4	Z	.17	.17	0	%100
3	M10	X	.249	.249	0	%100
4	M10	Z	.431	.431	0	%100
5	M43	X	.249	.249	0	%100
6	M43	Z	.431	.431	0	%100
7	M46	X	.497	.497	0	%100
8	M46	Z	.86	.86	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.276	.276	0	%100
12	M52B	Z	.478	.478	0	%100
13	M76	X	.166	.166	0	%100
14	M76	Z	.287	.287	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.166	.166	0	%100
20	M84	Z	.287	.287	0	%100
21	M85	X	.506	.506	0	%100
22	M85	Z	.876	.876	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.%]
23	M91	X	.533	.533	0 %100
24	M91	Z	.923	.923	0 %100
25	M25	X	.392	.392	0 %100
26	M25	Z	.68	.68	0 %100
27	M26	X	0	0	0 %100
28	M26	Z	0	0	0 %100
29	M27	X	0	0	0 %100
30	M27	Z	0	0	0 %100
31	M28	X	0	0	0 %100
32	M28	Z	0	0	0 %100
33	M31	X	.276	.276	0 %100
34	M31	Z	.478	.478	0 %100
35	M32	X	.276	.276	0 %100
36	M32	Z	.478	.478	0 %100
37	M36	X	.662	.662	0 %100
38	M36	Z	1.147	1.147	0 %100
39	M37	X	.506	.506	0 %100
40	M37	Z	.876	.876	0 %100
41	M39	X	.533	.533	0 %100
42	M39	Z	.923	.923	0 %100
43	M41	X	.662	.662	0 %100
44	M41	Z	1.147	1.147	0 %100
45	M42	X	.506	.506	0 %100
46	M42	Z	.876	.876	0 %100
47	M44	X	.533	.533	0 %100
48	M44	Z	.923	.923	0 %100
49	M49	X	.098	.098	0 %100
50	M49	Z	.17	.17	0 %100
51	M50A	X	.249	.249	0 %100
52	M50A	Z	.431	.431	0 %100
53	M51C	X	.249	.249	0 %100
54	M51C	Z	.431	.431	0 %100
55	M52A	X	.497	.497	0 %100
56	M52A	Z	.86	.86	0 %100
57	M55	X	.276	.276	0 %100
58	M55	Z	.478	.478	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.166	.166	0 %100
62	M60	Z	.287	.287	0 %100
63	M61	X	.506	.506	0 %100
64	M61	Z	.876	.876	0 %100
65	M63	X	.533	.533	0 %100
66	M63	Z	.923	.923	0 %100
67	M65	X	.166	.166	0 %100
68	M65	Z	.287	.287	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	.29	.29	0 %100
74	M73	Z	.502	.502	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	.29	.29	0 %100
78	M75	Z	.502	.502	0 %100
79	MP1A	X	.262	.262	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.%,]
80	MP1A	Z	.454	.454	0	%100
81	MP2A	X	.262	.262	0	%100
82	MP2A	Z	.454	.454	0	%100
83	MP3A	X	.262	.262	0	%100
84	MP3A	Z	.454	.454	0	%100
85	MP4A	X	.262	.262	0	%100
86	MP4A	Z	.454	.454	0	%100
87	MP1C	X	.262	.262	0	%100
88	MP1C	Z	.454	.454	0	%100
89	MP2C	X	.262	.262	0	%100
90	MP2C	Z	.454	.454	0	%100
91	MP3C	X	.262	.262	0	%100
92	MP3C	Z	.454	.454	0	%100
93	MP4C	X	.262	.262	0	%100
94	MP4C	Z	.454	.454	0	%100
95	MP1B	X	.262	.262	0	%100
96	MP1B	Z	.454	.454	0	%100
97	MP2B	X	.262	.262	0	%100
98	MP2B	Z	.454	.454	0	%100
99	MP3B	X	.262	.262	0	%100
100	MP3B	Z	.454	.454	0	%100
101	MP4B	X	.262	.262	0	%100
102	MP4B	Z	.454	.454	0	%100
103	M101	X	.19	.19	0	%100
104	M101	Z	.329	.329	0	%100
105	M103	X	.19	.19	0	%100
106	M103	Z	.329	.329	0	%100
107	M104	X	.238	.238	0	%100
108	M104	Z	.412	.412	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	.238	.238	0	%100
112	M106	Z	.412	.412	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	.295	.295	0	%100
116	M126	Z	.512	.512	0	%100
117	M127	X	.295	.295	0	%100
118	M127	Z	.512	.512	0	%100
119	M128	X	.255	.255	0	%100
120	M128	Z	.442	.442	0	%100
121	M129	X	.487	.487	0	%100
122	M129	Z	.843	.843	0	%100
123	M130	X	.255	.255	0	%100
124	M130	Z	.442	.442	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.664	.664	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.664	.664	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.325	1.325	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.%]
9	M51B	X	0	0	0	%100
10	M51B	Z	.184	.184	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.184	.184	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.337	.337	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.355	.355	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.337	.337	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.355	.355	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.589	.589	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.166	.166	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.166	.166	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.331	.331	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.184	.184	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.736	.736	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	.994	.994	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.337	.337	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.355	.355	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	.994	.994	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	1.349	1.349	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	1.421	1.421	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.589	.589	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.166	.166	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.166	.166	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.331	.331	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	.736	.736	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.184	.184	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	.994	.994	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.349	1.349	0	%100
65	M63	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, %]
66	M63	Z	1.421	1.421	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	.994	.994	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	.337	.337	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	.355	.355	0 %100
73	M73	X	0	0	0 %100
74	M73	Z	.773	.773	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	.193	.193	0 %100
77	M75	X	0	0	0 %100
78	M75	Z	.193	.193	0 %100
79	MP1A	X	0	0	0 %100
80	MP1A	Z	.524	.524	0 %100
81	MP2A	X	0	0	0 %100
82	MP2A	Z	.524	.524	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	.524	.524	0 %100
85	MP4A	X	0	0	0 %100
86	MP4A	Z	.524	.524	0 %100
87	MP1C	X	0	0	0 %100
88	MP1C	Z	.524	.524	0 %100
89	MP2C	X	0	0	0 %100
90	MP2C	Z	.524	.524	0 %100
91	MP3C	X	0	0	0 %100
92	MP3C	Z	.524	.524	0 %100
93	MP4C	X	0	0	0 %100
94	MP4C	Z	.524	.524	0 %100
95	MP1B	X	0	0	0 %100
96	MP1B	Z	.524	.524	0 %100
97	MP2B	X	0	0	0 %100
98	MP2B	Z	.524	.524	0 %100
99	MP3B	X	0	0	0 %100
100	MP3B	Z	.524	.524	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	.524	.524	0 %100
103	M101	X	0	0	0 %100
104	M101	Z	.38	.38	0 %100
105	M103	X	0	0	0 %100
106	M103	Z	.38	.38	0 %100
107	M104	X	0	0	0 %100
108	M104	Z	.635	.635	0 %100
109	M105	X	0	0	0 %100
110	M105	Z	.159	.159	0 %100
111	M106	X	0	0	0 %100
112	M106	Z	.159	.159	0 %100
113	M125	X	0	0	0 %100
114	M125	Z	.197	.197	0 %100
115	M126	X	0	0	0 %100
116	M126	Z	.197	.197	0 %100
117	M127	X	0	0	0 %100
118	M127	Z	.788	.788	0 %100
119	M128	X	0	0	0 %100
120	M128	Z	.356	.356	0 %100
121	M129	X	0	0	0 %100
122	M129	Z	.819	.819	0 %100



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 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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.%,]
123	M130	X	0	0	0	%100
124	M130	Z	.819	.819	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	M4	X	-.098	-.098	0	%100
2	M4	Z	.17	.17	0	%100
3	M10	X	-.249	-.249	0	%100
4	M10	Z	.431	.431	0	%100
5	M43	X	-.249	-.249	0	%100
6	M43	Z	.431	.431	0	%100
7	M46	X	-.497	-.497	0	%100
8	M46	Z	.86	.86	0	%100
9	M51B	X	-.276	-.276	0	%100
10	M51B	Z	.478	.478	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.166	-.166	0	%100
14	M76	Z	.287	.287	0	%100
15	M77	X	-.506	-.506	0	%100
16	M77	Z	.876	.876	0	%100
17	M80	X	-.533	-.533	0	%100
18	M80	Z	.923	.923	0	%100
19	M84	X	-.166	-.166	0	%100
20	M84	Z	.287	.287	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.098	-.098	0	%100
26	M25	Z	.17	.17	0	%100
27	M26	X	-.249	-.249	0	%100
28	M26	Z	.431	.431	0	%100
29	M27	X	-.249	-.249	0	%100
30	M27	Z	.431	.431	0	%100
31	M28	X	-.497	-.497	0	%100
32	M28	Z	.86	.86	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.276	-.276	0	%100
36	M32	Z	.478	.478	0	%100
37	M36	X	-.166	-.166	0	%100
38	M36	Z	.287	.287	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.166	-.166	0	%100
44	M41	Z	.287	.287	0	%100
45	M42	X	-.506	-.506	0	%100
46	M42	Z	.876	.876	0	%100
47	M44	X	-.533	-.533	0	%100
48	M44	Z	.923	.923	0	%100
49	M49	X	-.392	-.392	0	%100
50	M49	Z	.68	.68	0	%100
51	M50A	X	0	0	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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, %]	
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-.276	-.276	0	%100
58	M55	Z	.478	.478	0	%100
59	M56	X	-.276	-.276	0	%100
60	M56	Z	.478	.478	0	%100
61	M60	X	-.662	-.662	0	%100
62	M60	Z	1.147	1.147	0	%100
63	M61	X	-.506	-.506	0	%100
64	M61	Z	.876	.876	0	%100
65	M63	X	-.533	-.533	0	%100
66	M63	Z	.923	.923	0	%100
67	M65	X	-.662	-.662	0	%100
68	M65	Z	1.147	1.147	0	%100
69	M66	X	-.506	-.506	0	%100
70	M66	Z	.876	.876	0	%100
71	M68	X	-.533	-.533	0	%100
72	M68	Z	.923	.923	0	%100
73	M73	X	-.29	-.29	0	%100
74	M73	Z	.502	.502	0	%100
75	M74	X	-.29	-.29	0	%100
76	M74	Z	.502	.502	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.262	-.262	0	%100
80	MP1A	Z	.454	.454	0	%100
81	MP2A	X	-.262	-.262	0	%100
82	MP2A	Z	.454	.454	0	%100
83	MP3A	X	-.262	-.262	0	%100
84	MP3A	Z	.454	.454	0	%100
85	MP4A	X	-.262	-.262	0	%100
86	MP4A	Z	.454	.454	0	%100
87	MP1C	X	-.262	-.262	0	%100
88	MP1C	Z	.454	.454	0	%100
89	MP2C	X	-.262	-.262	0	%100
90	MP2C	Z	.454	.454	0	%100
91	MP3C	X	-.262	-.262	0	%100
92	MP3C	Z	.454	.454	0	%100
93	MP4C	X	-.262	-.262	0	%100
94	MP4C	Z	.454	.454	0	%100
95	MP1B	X	-.262	-.262	0	%100
96	MP1B	Z	.454	.454	0	%100
97	MP2B	X	-.262	-.262	0	%100
98	MP2B	Z	.454	.454	0	%100
99	MP3B	X	-.262	-.262	0	%100
100	MP3B	Z	.454	.454	0	%100
101	MP4B	X	-.262	-.262	0	%100
102	MP4B	Z	.454	.454	0	%100
103	M101	X	-.19	-.19	0	%100
104	M101	Z	.329	.329	0	%100
105	M103	X	-.19	-.19	0	%100
106	M103	Z	.329	.329	0	%100
107	M104	X	-.238	-.238	0	%100
108	M104	Z	.412	.412	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.%]
109	M105	X	-.238	-.238	0	%100
110	M105	Z	.412	.412	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M125	X	-.295	-.295	0	%100
114	M125	Z	.512	.512	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-.295	-.295	0	%100
118	M127	Z	.512	.512	0	%100
119	M128	X	-.255	-.255	0	%100
120	M128	Z	.442	.442	0	%100
121	M129	X	-.255	-.255	0	%100
122	M129	Z	.442	.442	0	%100
123	M130	X	-.487	-.487	0	%100
124	M130	Z	.843	.843	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	M4	X	-.51	-.51	0	%100
2	M4	Z	.294	.294	0	%100
3	M10	X	-.144	-.144	0	%100
4	M10	Z	.083	.083	0	%100
5	M43	X	-.144	-.144	0	%100
6	M43	Z	.083	.083	0	%100
7	M46	X	-.287	-.287	0	%100
8	M46	Z	.166	.166	0	%100
9	M51B	X	-.637	-.637	0	%100
10	M51B	Z	.368	.368	0	%100
11	M52B	X	-.159	-.159	0	%100
12	M52B	Z	.092	.092	0	%100
13	M76	X	-.86	-.86	0	%100
14	M76	Z	.497	.497	0	%100
15	M77	X	-1.168	-1.168	0	%100
16	M77	Z	.675	.675	0	%100
17	M80	X	-1.231	-1.231	0	%100
18	M80	Z	.711	.711	0	%100
19	M84	X	-.86	-.86	0	%100
20	M84	Z	.497	.497	0	%100
21	M85	X	-.292	-.292	0	%100
22	M85	Z	.169	.169	0	%100
23	M91	X	-.308	-.308	0	%100
24	M91	Z	.178	.178	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.575	-.575	0	%100
28	M26	Z	.332	.332	0	%100
29	M27	X	-.575	-.575	0	%100
30	M27	Z	.332	.332	0	%100
31	M28	X	-1.147	-1.147	0	%100
32	M28	Z	.662	.662	0	%100
33	M31	X	-.159	-.159	0	%100
34	M31	Z	.092	.092	0	%100
35	M32	X	-.159	-.159	0	%100
36	M32	Z	.092	.092	0	%100
37	M36	X	0	0	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, %]
38	M36	Z	0	0	0 %100
39	M37	X	-.292	-.292	0 %100
40	M37	Z	.169	.169	0 %100
41	M39	X	-.308	-.308	0 %100
42	M39	Z	.178	.178	0 %100
43	M41	X	0	0	0 %100
44	M41	Z	0	0	0 %100
45	M42	X	-.292	-.292	0 %100
46	M42	Z	.169	.169	0 %100
47	M44	X	-.308	-.308	0 %100
48	M44	Z	.178	.178	0 %100
49	M49	X	-.51	-.51	0 %100
50	M49	Z	.294	.294	0 %100
51	M50A	X	-.144	-.144	0 %100
52	M50A	Z	.083	.083	0 %100
53	M51C	X	-.144	-.144	0 %100
54	M51C	Z	.083	.083	0 %100
55	M52A	X	-.287	-.287	0 %100
56	M52A	Z	.166	.166	0 %100
57	M55	X	-.159	-.159	0 %100
58	M55	Z	.092	.092	0 %100
59	M56	X	-.637	-.637	0 %100
60	M56	Z	.368	.368	0 %100
61	M60	X	-.86	-.86	0 %100
62	M60	Z	.497	.497	0 %100
63	M61	X	-.292	-.292	0 %100
64	M61	Z	.169	.169	0 %100
65	M63	X	-.308	-.308	0 %100
66	M63	Z	.178	.178	0 %100
67	M65	X	-.86	-.86	0 %100
68	M65	Z	.497	.497	0 %100
69	M66	X	-1.168	-1.168	0 %100
70	M66	Z	.675	.675	0 %100
71	M68	X	-1.231	-1.231	0 %100
72	M68	Z	.711	.711	0 %100
73	M73	X	-.167	-.167	0 %100
74	M73	Z	.097	.097	0 %100
75	M74	X	-.669	-.669	0 %100
76	M74	Z	.386	.386	0 %100
77	M75	X	-.167	-.167	0 %100
78	M75	Z	.097	.097	0 %100
79	MP1A	X	-.454	-.454	0 %100
80	MP1A	Z	.262	.262	0 %100
81	MP2A	X	-.454	-.454	0 %100
82	MP2A	Z	.262	.262	0 %100
83	MP3A	X	-.454	-.454	0 %100
84	MP3A	Z	.262	.262	0 %100
85	MP4A	X	-.454	-.454	0 %100
86	MP4A	Z	.262	.262	0 %100
87	MP1C	X	-.454	-.454	0 %100
88	MP1C	Z	.262	.262	0 %100
89	MP2C	X	-.454	-.454	0 %100
90	MP2C	Z	.262	.262	0 %100
91	MP3C	X	-.454	-.454	0 %100
92	MP3C	Z	.262	.262	0 %100
93	MP4C	X	-.454	-.454	0 %100
94	MP4C	Z	.262	.262	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.%,]
95	MP1B	X	-.454	-.454	0	%100
96	MP1B	Z	.262	.262	0	%100
97	MP2B	X	-.454	-.454	0	%100
98	MP2B	Z	.262	.262	0	%100
99	MP3B	X	-.454	-.454	0	%100
100	MP3B	Z	.262	.262	0	%100
101	MP4B	X	-.454	-.454	0	%100
102	MP4B	Z	.262	.262	0	%100
103	M101	X	-.329	-.329	0	%100
104	M101	Z	.19	.19	0	%100
105	M103	X	-.329	-.329	0	%100
106	M103	Z	.19	.19	0	%100
107	M104	X	-.137	-.137	0	%100
108	M104	Z	.079	.079	0	%100
109	M105	X	-.55	-.55	0	%100
110	M105	Z	.317	.317	0	%100
111	M106	X	-.137	-.137	0	%100
112	M106	Z	.079	.079	0	%100
113	M125	X	-.682	-.682	0	%100
114	M125	Z	.394	.394	0	%100
115	M126	X	-.171	-.171	0	%100
116	M126	Z	.098	.098	0	%100
117	M127	X	-.171	-.171	0	%100
118	M127	Z	.098	.098	0	%100
119	M128	X	-.709	-.709	0	%100
120	M128	Z	.409	.409	0	%100
121	M129	X	-.308	-.308	0	%100
122	M129	Z	.178	.178	0	%100
123	M130	X	-.709	-.709	0	%100
124	M130	Z	.409	.409	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	M4	X	-.785	-.785	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.552	-.552	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.552	-.552	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.325	-1.325	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.012	-1.012	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-1.066	-1.066	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.325	-1.325	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-1.012	-1.012	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.066	-1.066	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,.%]
24	M91	Z	0	0	0	%100
25	M25	X	-.196	-.196	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.498	-.498	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.498	-.498	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-.994	-.994	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.552	-.552	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.331	-.331	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.012	-1.012	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-1.066	-1.066	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.331	-.331	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.196	-.196	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.498	-.498	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-.498	-.498	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-.994	-.994	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-.552	-.552	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.331	-.331	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.331	-.331	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.012	-1.012	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-1.066	-1.066	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.58	-.58	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.58	-.58	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.524	-.524	0	%100
80	MP1A	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.%,]
81	MP2A	X	-.524	-.524	0 %100
82	MP2A	Z	0	0	0 %100
83	MP3A	X	-.524	-.524	0 %100
84	MP3A	Z	0	0	0 %100
85	MP4A	X	-.524	-.524	0 %100
86	MP4A	Z	0	0	0 %100
87	MP1C	X	-.524	-.524	0 %100
88	MP1C	Z	0	0	0 %100
89	MP2C	X	-.524	-.524	0 %100
90	MP2C	Z	0	0	0 %100
91	MP3C	X	-.524	-.524	0 %100
92	MP3C	Z	0	0	0 %100
93	MP4C	X	-.524	-.524	0 %100
94	MP4C	Z	0	0	0 %100
95	MP1B	X	-.524	-.524	0 %100
96	MP1B	Z	0	0	0 %100
97	MP2B	X	-.524	-.524	0 %100
98	MP2B	Z	0	0	0 %100
99	MP3B	X	-.524	-.524	0 %100
100	MP3B	Z	0	0	0 %100
101	MP4B	X	-.524	-.524	0 %100
102	MP4B	Z	0	0	0 %100
103	M101	X	-.38	-.38	0 %100
104	M101	Z	0	0	0 %100
105	M103	X	-.38	-.38	0 %100
106	M103	Z	0	0	0 %100
107	M104	X	0	0	0 %100
108	M104	Z	0	0	0 %100
109	M105	X	-.476	-.476	0 %100
110	M105	Z	0	0	0 %100
111	M106	X	-.476	-.476	0 %100
112	M106	Z	0	0	0 %100
113	M125	X	-.591	-.591	0 %100
114	M125	Z	0	0	0 %100
115	M126	X	-.591	-.591	0 %100
116	M126	Z	0	0	0 %100
117	M127	X	0	0	0 %100
118	M127	Z	0	0	0 %100
119	M128	X	-.973	-.973	0 %100
120	M128	Z	0	0	0 %100
121	M129	X	-.51	-.51	0 %100
122	M129	Z	0	0	0 %100
123	M130	X	-.51	-.51	0 %100
124	M130	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	M4	X	-.51	-.51	0 %100
2	M4	Z	-.294	-.294	0 %100
3	M10	X	-.144	-.144	0 %100
4	M10	Z	-.083	-.083	0 %100
5	M43	X	-.144	-.144	0 %100
6	M43	Z	-.083	-.083	0 %100
7	M46	X	-.287	-.287	0 %100
8	M46	Z	-.166	-.166	0 %100
9	M51B	X	-.159	-.159	0 %100



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 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	-0.092	-0.092	0 %100
11	M52B	X	-0.637	-0.637	0 %100
12	M52B	Z	-0.368	-0.368	0 %100
13	M76	X	-0.86	-0.86	0 %100
14	M76	Z	-0.497	-0.497	0 %100
15	M77	X	-0.292	-0.292	0 %100
16	M77	Z	-0.169	-0.169	0 %100
17	M80	X	-0.308	-0.308	0 %100
18	M80	Z	-0.178	-0.178	0 %100
19	M84	X	-0.86	-0.86	0 %100
20	M84	Z	-0.497	-0.497	0 %100
21	M85	X	-1.168	-1.168	0 %100
22	M85	Z	-0.675	-0.675	0 %100
23	M91	X	-1.231	-1.231	0 %100
24	M91	Z	-0.711	-0.711	0 %100
25	M25	X	-0.51	-0.51	0 %100
26	M25	Z	-0.294	-0.294	0 %100
27	M26	X	-0.144	-0.144	0 %100
28	M26	Z	-0.083	-0.083	0 %100
29	M27	X	-0.144	-0.144	0 %100
30	M27	Z	-0.083	-0.083	0 %100
31	M28	X	-0.287	-0.287	0 %100
32	M28	Z	-0.166	-0.166	0 %100
33	M31	X	-0.637	-0.637	0 %100
34	M31	Z	-0.368	-0.368	0 %100
35	M32	X	-0.159	-0.159	0 %100
36	M32	Z	-0.092	-0.092	0 %100
37	M36	X	-0.86	-0.86	0 %100
38	M36	Z	-0.497	-0.497	0 %100
39	M37	X	-1.168	-1.168	0 %100
40	M37	Z	-0.675	-0.675	0 %100
41	M39	X	-1.231	-1.231	0 %100
42	M39	Z	-0.711	-0.711	0 %100
43	M41	X	-0.86	-0.86	0 %100
44	M41	Z	-0.497	-0.497	0 %100
45	M42	X	-0.292	-0.292	0 %100
46	M42	Z	-0.169	-0.169	0 %100
47	M44	X	-0.308	-0.308	0 %100
48	M44	Z	-0.178	-0.178	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50A	X	-0.575	-0.575	0 %100
52	M50A	Z	-0.332	-0.332	0 %100
53	M51C	X	-0.575	-0.575	0 %100
54	M51C	Z	-0.332	-0.332	0 %100
55	M52A	X	-1.147	-1.147	0 %100
56	M52A	Z	-0.662	-0.662	0 %100
57	M55	X	-0.159	-0.159	0 %100
58	M55	Z	-0.092	-0.092	0 %100
59	M56	X	-0.159	-0.159	0 %100
60	M56	Z	-0.092	-0.092	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	-0.292	-0.292	0 %100
64	M61	Z	-0.169	-0.169	0 %100
65	M63	X	-0.308	-0.308	0 %100
66	M63	Z	-0.178	-0.178	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M65	X	0	0	%100
68	M65	Z	0	0	%100
69	M66	X	-.292	-.292	%100
70	M66	Z	-.169	-.169	%100
71	M68	X	-.308	-.308	%100
72	M68	Z	-.178	-.178	%100
73	M73	X	-.167	-.167	%100
74	M73	Z	-.097	-.097	%100
75	M74	X	-.167	-.167	%100
76	M74	Z	-.097	-.097	%100
77	M75	X	-.669	-.669	%100
78	M75	Z	-.386	-.386	%100
79	MP1A	X	-.454	-.454	%100
80	MP1A	Z	-.262	-.262	%100
81	MP2A	X	-.454	-.454	%100
82	MP2A	Z	-.262	-.262	%100
83	MP3A	X	-.454	-.454	%100
84	MP3A	Z	-.262	-.262	%100
85	MP4A	X	-.454	-.454	%100
86	MP4A	Z	-.262	-.262	%100
87	MP1C	X	-.454	-.454	%100
88	MP1C	Z	-.262	-.262	%100
89	MP2C	X	-.454	-.454	%100
90	MP2C	Z	-.262	-.262	%100
91	MP3C	X	-.454	-.454	%100
92	MP3C	Z	-.262	-.262	%100
93	MP4C	X	-.454	-.454	%100
94	MP4C	Z	-.262	-.262	%100
95	MP1B	X	-.454	-.454	%100
96	MP1B	Z	-.262	-.262	%100
97	MP2B	X	-.454	-.454	%100
98	MP2B	Z	-.262	-.262	%100
99	MP3B	X	-.454	-.454	%100
100	MP3B	Z	-.262	-.262	%100
101	MP4B	X	-.454	-.454	%100
102	MP4B	Z	-.262	-.262	%100
103	M101	X	-.329	-.329	%100
104	M101	Z	-.19	-.19	%100
105	M103	X	-.329	-.329	%100
106	M103	Z	-.19	-.19	%100
107	M104	X	-.137	-.137	%100
108	M104	Z	-.079	-.079	%100
109	M105	X	-.137	-.137	%100
110	M105	Z	-.079	-.079	%100
111	M106	X	-.55	-.55	%100
112	M106	Z	-.317	-.317	%100
113	M125	X	-.171	-.171	%100
114	M125	Z	-.098	-.098	%100
115	M126	X	-.682	-.682	%100
116	M126	Z	-.394	-.394	%100
117	M127	X	-.171	-.171	%100
118	M127	Z	-.098	-.098	%100
119	M128	X	-.709	-.709	%100
120	M128	Z	-.409	-.409	%100
121	M129	X	-.709	-.709	%100
122	M129	Z	-.409	-.409	%100
123	M130	X	-.308	-.308	%100



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

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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, %]
124 M130	Z	-.178	-.178	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (300 Deg))

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1 M4	X	-.098	-.098	0	%100
2 M4	Z	-.17	-.17	0	%100
3 M10	X	-.249	-.249	0	%100
4 M10	Z	-.431	-.431	0	%100
5 M43	X	-.249	-.249	0	%100
6 M43	Z	-.431	-.431	0	%100
7 M46	X	-.497	-.497	0	%100
8 M46	Z	-.86	-.86	0	%100
9 M51B	X	0	0	0	%100
10 M51B	Z	0	0	0	%100
11 M52B	X	-.276	-.276	0	%100
12 M52B	Z	-.478	-.478	0	%100
13 M76	X	-.166	-.166	0	%100
14 M76	Z	-.287	-.287	0	%100
15 M77	X	0	0	0	%100
16 M77	Z	0	0	0	%100
17 M80	X	0	0	0	%100
18 M80	Z	0	0	0	%100
19 M84	X	-.166	-.166	0	%100
20 M84	Z	-.287	-.287	0	%100
21 M85	X	-.506	-.506	0	%100
22 M85	Z	-.876	-.876	0	%100
23 M91	X	-.533	-.533	0	%100
24 M91	Z	-.923	-.923	0	%100
25 M25	X	-.392	-.392	0	%100
26 M25	Z	-.68	-.68	0	%100
27 M26	X	0	0	0	%100
28 M26	Z	0	0	0	%100
29 M27	X	0	0	0	%100
30 M27	Z	0	0	0	%100
31 M28	X	0	0	0	%100
32 M28	Z	0	0	0	%100
33 M31	X	-.276	-.276	0	%100
34 M31	Z	-.478	-.478	0	%100
35 M32	X	-.276	-.276	0	%100
36 M32	Z	-.478	-.478	0	%100
37 M36	X	-.662	-.662	0	%100
38 M36	Z	-1.147	-1.147	0	%100
39 M37	X	-.506	-.506	0	%100
40 M37	Z	-.876	-.876	0	%100
41 M39	X	-.533	-.533	0	%100
42 M39	Z	-.923	-.923	0	%100
43 M41	X	-.662	-.662	0	%100
44 M41	Z	-1.147	-1.147	0	%100
45 M42	X	-.506	-.506	0	%100
46 M42	Z	-.876	-.876	0	%100
47 M44	X	-.533	-.533	0	%100
48 M44	Z	-.923	-.923	0	%100
49 M49	X	-.098	-.098	0	%100
50 M49	Z	-.17	-.17	0	%100
51 M50A	X	-.249	-.249	0	%100
52 M50A	Z	-.431	-.431	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.-%]
53	M51C	X	-.249	-.249	0 %100
54	M51C	Z	-.431	-.431	0 %100
55	M52A	X	-.497	-.497	0 %100
56	M52A	Z	-.86	-.86	0 %100
57	M55	X	-.276	-.276	0 %100
58	M55	Z	-.478	-.478	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	-.166	-.166	0 %100
62	M60	Z	-.287	-.287	0 %100
63	M61	X	-.506	-.506	0 %100
64	M61	Z	-.876	-.876	0 %100
65	M63	X	-.533	-.533	0 %100
66	M63	Z	-.923	-.923	0 %100
67	M65	X	-.166	-.166	0 %100
68	M65	Z	-.287	-.287	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	-.29	-.29	0 %100
74	M73	Z	-.502	-.502	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	-.29	-.29	0 %100
78	M75	Z	-.502	-.502	0 %100
79	MP1A	X	-.262	-.262	0 %100
80	MP1A	Z	-.454	-.454	0 %100
81	MP2A	X	-.262	-.262	0 %100
82	MP2A	Z	-.454	-.454	0 %100
83	MP3A	X	-.262	-.262	0 %100
84	MP3A	Z	-.454	-.454	0 %100
85	MP4A	X	-.262	-.262	0 %100
86	MP4A	Z	-.454	-.454	0 %100
87	MP1C	X	-.262	-.262	0 %100
88	MP1C	Z	-.454	-.454	0 %100
89	MP2C	X	-.262	-.262	0 %100
90	MP2C	Z	-.454	-.454	0 %100
91	MP3C	X	-.262	-.262	0 %100
92	MP3C	Z	-.454	-.454	0 %100
93	MP4C	X	-.262	-.262	0 %100
94	MP4C	Z	-.454	-.454	0 %100
95	MP1B	X	-.262	-.262	0 %100
96	MP1B	Z	-.454	-.454	0 %100
97	MP2B	X	-.262	-.262	0 %100
98	MP2B	Z	-.454	-.454	0 %100
99	MP3B	X	-.262	-.262	0 %100
100	MP3B	Z	-.454	-.454	0 %100
101	MP4B	X	-.262	-.262	0 %100
102	MP4B	Z	-.454	-.454	0 %100
103	M101	X	-.19	-.19	0 %100
104	M101	Z	-.329	-.329	0 %100
105	M103	X	-.19	-.19	0 %100
106	M103	Z	-.329	-.329	0 %100
107	M104	X	-.238	-.238	0 %100
108	M104	Z	-.412	-.412	0 %100
109	M105	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.%]
110	M105	Z	0	0	0	%100
111	M106	X	-.238	-.238	0	%100
112	M106	Z	-.412	-.412	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-.295	-.295	0	%100
116	M126	Z	-.512	-.512	0	%100
117	M127	X	-.295	-.295	0	%100
118	M127	Z	-.512	-.512	0	%100
119	M128	X	-.255	-.255	0	%100
120	M128	Z	-.442	-.442	0	%100
121	M129	X	-.487	-.487	0	%100
122	M129	Z	-.843	-.843	0	%100
123	M130	X	-.255	-.255	0	%100
124	M130	Z	-.442	-.442	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	M51B	Y	-1.601	-4.064	0	.832
2	M51B	Y	-4.064	-6.635	.832	1.665
3	M51B	Y	-6.635	-7.874	1.665	2.497
4	M51B	Y	-7.874	-6.292	2.497	3.329
5	M51B	Y	-6.292	-3.33	3.329	4.162
6	M52B	Y	-3.336	-6.325	0	.832
7	M52B	Y	-6.325	-7.938	.832	1.665
8	M52B	Y	-7.938	-6.771	1.665	2.497
9	M52B	Y	-6.771	-4.259	2.497	3.329
10	M52B	Y	-4.259	-1.808	3.329	4.162
11	M31	Y	-1.601	-4.064	0	.832
12	M31	Y	-4.064	-6.635	.832	1.665
13	M31	Y	-6.635	-7.874	1.665	2.497
14	M31	Y	-7.874	-6.292	2.497	3.329
15	M31	Y	-6.292	-3.33	3.329	4.162
16	M32	Y	-3.336	-6.325	0	.832
17	M32	Y	-6.325	-7.938	.832	1.665
18	M32	Y	-7.938	-6.771	1.665	2.497
19	M32	Y	-6.771	-4.259	2.497	3.329
20	M32	Y	-4.259	-1.808	3.329	4.162
21	M55	Y	-1.812	-4.256	0	.832
22	M55	Y	-4.256	-6.773	.832	1.665
23	M55	Y	-6.773	-7.943	1.665	2.497
24	M55	Y	-7.943	-6.32	2.497	3.329
25	M55	Y	-6.32	-3.329	3.329	4.162
26	M56	Y	-3.33	-6.293	0	.832
27	M56	Y	-6.293	-7.874	.832	1.665
28	M56	Y	-7.874	-6.636	1.665	2.497
29	M56	Y	-6.636	-4.066	2.497	3.329
30	M56	Y	-4.066	-1.597	3.329	4.162

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	M51B	Y	-5.252	-13.328	0	.832
2	M51B	Y	-13.328	-21.764	.832	1.665
3	M51B	Y	-21.764	-25.828	1.665	2.497
4	M51B	Y	-25.828	-20.637	2.497	3.329
5	M51B	Y	-20.637	-10.922	3.329	4.162



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
6	M52B	Y	-10.942	-20.745	0	.832
7	M52B	Y	-20.745	-26.037	.832	1.665
8	M52B	Y	-26.037	-22.208	1.665	2.497
9	M52B	Y	-22.208	-13.969	2.497	3.329
10	M52B	Y	-13.969	-5.932	3.329	4.162
11	M31	Y	-5.252	-13.328	0	.832
12	M31	Y	-13.328	-21.764	.832	1.665
13	M31	Y	-21.764	-25.828	1.665	2.497
14	M31	Y	-25.828	-20.637	2.497	3.329
15	M31	Y	-20.637	-10.922	3.329	4.162
16	M32	Y	-10.942	-20.745	0	.832
17	M32	Y	-20.745	-26.037	.832	1.665
18	M32	Y	-26.037	-22.208	1.665	2.497
19	M32	Y	-22.208	-13.969	2.497	3.329
20	M32	Y	-13.969	-5.932	3.329	4.162
21	M55	Y	-5.943	-13.959	0	.832
22	M55	Y	-13.959	-22.217	.832	1.665
23	M55	Y	-22.217	-26.052	1.665	2.497
24	M55	Y	-26.052	-20.731	2.497	3.329
25	M55	Y	-20.731	-10.917	3.329	4.162
26	M56	Y	-10.922	-20.641	0	.832
27	M56	Y	-20.641	-25.825	.832	1.665
28	M56	Y	-25.825	-21.767	1.665	2.497
29	M56	Y	-21.767	-13.335	2.497	3.329
30	M56	Y	-13.335	-5.24	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.005
2	N55	N57	N33	N32	Y	Two Way	-.005
3	N84	N86	N62	N61	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.016
2	N55	N57	N33	N32	Y	Two Way	-.016
3	N84	N86	N62	N61	Y	Two Way	-.016

Envelope Joint Reactions

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N3	max	935.984	10	771.138	21	5120.802	1	.96	21	1.642	4	.114	11
2		min	-943.109	4	70.131	3	-2527.95	7	.125	3	-1.658	10	-.596	17
3	N30A	max	4805.492	9	1110.425	16	1330.523	3	.052	9	1.212	12	-.129	12
4		min	-2425.177	3	72.603	10	-2698.016	9	-.871	39	-1.241	6	-.988	18
5	N59	max	1887.58	11	839.86	13	1093.534	11	.107	9	2.332	8	.896	24
6		min	-5508.899	17	30.95	7	-3208.037	17	-.728	27	-2.34	2	.082	6
7	N190A	max	32.414	10	2489.265	13	73.504	7	0	51	0	4	0	10
8		min	-31.87	4	-23.005	7	-4858.333	13	0	1	0	10	0	4
9	N193	max	68.839	3	2300.696	21	2240.142	21	0	6	0	48	0	48
10		min	-3880.395	21	-26.011	3	-39.794	3	0	48	0	6	0	6
11	N196	max	5331.399	17	3136.969	17	3078.185	17	0	8	0	8	0	8
12		min	423.147	11	258.039	11	244.155	11	0	2	0	2	0	2
13	Totals:	max	5092.918	10	9874.092	13	5017.756	1						



Envelope Joint Reactions (Continued)

Joint	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
14	min -5092.919	4	3461.921	7	-5017.762	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear	...	Loc[ft]	Dir	LC	phi*Pnc	[...phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M126	L3X3X4	.396	0	2	.054	1.956	y	3	42865.994	46656	1.688	3.756	2...	H2-1
2	M127	L3X3X4	.359	1.956	11	.056	1.956	y	5	42865.994	46656	1.688	3.756	2...	H2-1
3	M125	L3X3X4	.341	0	6	.047	1.956	y	7	42865.994	46656	1.688	3.756	2...	H2-1
4	MP2B	PIPE 2.0	.326	4.375	7	.082	2.917		7	17855.085	32130	1.872	1.872	3...	H1-1b
5	MP2C	PIPE 2.0	.317	4.375	11	.099	4.375		11	17855.085	32130	1.872	1.872	3...	H1-1b
6	MP2A	PIPE 2.0	.313	4.375	2	.085	2.917		3	17855.085	32130	1.872	1.872	2...	H1-1b
7	MP1A	PIPE 2.0	.313	3.625	4	.140	1.188		6	20866.733	32130	1.872	1.872	1...	H1-1b
8	M76	PL3/8x6	.309	0	8	.153	0	y	19	70677.939	72900	.57	9.113	1...	H1-1b
9	MP1C	PIPE 2.0	.304	3.625	12	.120	1.188		2	20866.733	32130	1.872	1.872	1...	H1-1b
10	MP1B	PIPE 2.0	.302	3.625	8	.140	1.188		11	20866.733	32130	1.872	1.872	2...	H1-1b
11	M66	PL3/8x6	.297	.167	10	.201	0	y	14	71601.728	72900	.57	9.113	1.5	H1-1b
12	MP4C	PIPE 2.0	.288	3	9	.061	3		1	20866.733	32130	1.872	1.872	1...	H1-1b
13	MP3C	PIPE 2.0	.272	4.375	6	.102	2.917		4	17855.085	32130	1.872	1.872	2...	H1-1b
14	M42	PL3/8x6	.269	.167	2	.227	0	y	18	71601.728	72900	.57	9.113	1...	H1-1b
15	M85	PL3/8x6	.268	.167	6	.227	0	y	22	71601.728	72900	.57	9.113	1...	H1-1b
16	MP3B	PIPE 2.0	.260	4.375	2	.120	2.917		12	17855.085	32130	1.872	1.872	2...	H1-1b
17	M61	PL3/8x6	.257	.167	12	.254	0	y	15	71601.728	72900	.57	9.113	1...	H1-1b
18	M77	PL3/8x6	.254	.167	8	.206	0	y	24	71601.728	72900	.57	9.113	1...	H1-1b
19	M36	PL3/8x6	.253	0	4	.172	0	y	16	70677.939	72900	.57	9.113	2...	H1-1b
20	MP3A	PIPE 2.0	.248	4.375	10	.108	4.375		8	17855.085	32130	1.872	1.872	2...	H1-1b
21	M37	PL3/8x6	.246	.167	3	.237	0	y	19	71601.728	72900	.57	9.113	1...	H1-1b
22	M46	PL1/2x6	.229	.516	2	.174	.516	y	13	66009.234	97200	1.012	12.15	1...	H1-1b
23	M28	PL1/2x6	.210	.516	10	.150	.516	y	22	66009.234	97200	1.012	12.15	1...	H1-1b
24	MP4B	PIPE 2.0	.210	3	1	.066	3		5	20866.733	32130	1.872	1.872	1...	H1-1b
25	M65	PL3/8x6	.208	0	10	.113	0	y	6	70677.939	72900	.57	9.113	1...	H1-1b
26	M41	PL3/8x6	.204	0	3	.132	0	y	4	70677.939	72900	.57	9.113	2...	H1-1b
27	M52A	PL1/2x6	.200	.516	6	.225	.516	y	18	66009.234	97200	1.012	12.15	1...	H1-1b
28	M60	PL3/8x6	.191	0	8	.131	0	y	29	70677.939	72900	.57	9.113	1...	H1-1b
29	M84	PL3/8x6	.191	0	10	.100	0	y	2	70677.939	72900	.57	9.113	1...	H1-1b
30	M105	PIPE 2.5	.191	10.969	5	.096	1.896		4	13460.421	50715	3.596	3.596	1...	H1-1b
31	M49	HSS4X4X4	.183	0	2	.079	4.053	y	19	124657.7...	139518	16.181	16.181	2...	H1-1b
32	MP4A	PIPE 2.0	.176	.5	7	.057	.5		1	20866.733	32130	1.872	1.872	1...	H1-1b
33	M106	PIPE 2.5	.173	10.969	1	.119	2.031		11	13460.421	50715	3.596	3.596	1...	H1-1b
34	M104	PIPE 2.5	.166	10.021	4	.119	1.896		1	13460.421	50715	3.596	3.596	1...	H1-1b
35	M56	L2x2x3	.157	0	4	.012	0	y	19	9823.122	23392.8	.558	1.086	1...	H2-1
36	M52B	L2x2x3	.152	0	12	.012	0	y	15	9823.122	23392.8	.558	1.085	1...	H2-1
37	M55	L2x2x3	.151	0	6	.015	0	y	21	9823.122	23392.8	.558	1.085	1...	H2-1
38	M130	LL3x3x3x6	.149	4.472	17	.005	4.472	z	8	46501.979	70632	6.362	3.751	1	H1-1b*
39	M73	PIPE 3.0	.146	10.156	28	.060	5.01		8	26386.722	65205	5.749	5.749	2...	H1-1b
40	M50A	HSS4X4X4	.145	2.375	18	.050	2.375	y	14	136263.03	139518	16.181	16.181	1...	H1-1b
41	M4	HSS4X4X4	.140	0	10	.070	4.053	y	15	124657.7...	139518	16.181	16.181	2...	H1-1b
42	M31	L2x2x3	.140	0	9	.015	0	y	13	9823.122	23392.8	.558	1.078	1...	H2-1
43	M51B	L2x2x3	.138	0	19	.015	0	y	17	9823.122	23392.8	.558	1.077	1...	H2-1
44	M32	L2x2x3	.134	0	8	.013	0	y	17	9823.122	23392.8	.558	1.085	1...	H2-1
45	M26	HSS4X4X4	.133	2.375	22	.040	2.375	y	18	136263.03	139518	16.181	16.181	1...	H1-1b
46	M10	HSS4X4X4	.123	2.375	14	.036	2.375	y	22	136263.03	139518	16.181	16.181	1...	H1-1b
47	M27	HSS4X4X4	.123	0	20	.044	0	y	15	136263.03	139518	16.181	16.181	1...	H1-1b
48	M43	HSS4X4X4	.122	0	24	.049	0	y	18	136263.03	139518	16.181	16.181	1...	H1-1b
49	M25	HSS4X4X4	.118	0	6	.060	0	y	39	124657.7...	139518	16.181	16.181	2...	H1-1b
50	M128	LL3x3x3x6	.117	4.472	13	.006	4.472	y	16	46501.979	70632	6.362	3.751	1	H1-1b*
51	M51C	HSS4X4X4	.117	0	16	.046	0	y	22	136263.03	139518	16.181	16.181	1...	H1-1b



Company : Maser Consulting
 Designer : AJH
 Job Number :
 Model Name : 535818-VZW_MT_LO_H

Sept 3, 2021
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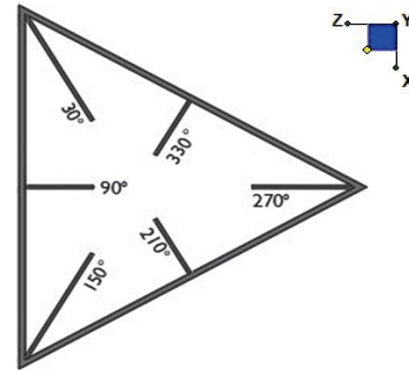
Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

Member	Shape	Code Check	Loc[ft]	LC Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn		
52	M129	LL3x3x3x6	.108	4.472	21	.004	4.472	y	24	46501.979	70632	6.362	3.751	1	H1-1b*
53	M75	PIPE 3.0	.097	10.156	8	.085	5.01		12	26386.722	65205	5.749	5.749	1...	H1-1b
54	M74	PIPE 3.0	.090	1.219	18	.088	1.219		9	26386.722	65205	5.749	5.749	2...	H1-1b
55	M103	PIPE 2.0	.081	2	10	.016	2		10	30625.434	32130	1.872	1.872	3...	H1-1b
56	M101	PIPE 2.0	.081	2	4	.016	2		4	30625.434	32130	1.872	1.872	3...	H1-1b
57	M80	PL1/2x6	.073	.112	1	.069	0	y	24	96757.507	97200	1.012	12.15	1...	H1-1b
58	M39	PL1/2x6	.072	.112	9	.084	0	y	20	96757.507	97200	1.012	12.15	1...	H1-1b
59	M44	PL1/2x6	.070	.112	9	.178	0	y	22	96757.507	97200	1.012	12.15	1...	H1-1b
60	M63	PL1/2x6	.067	.112	5	.147	0	y	28	96757.507	97200	1.012	12.15	1...	H1-1b
61	M68	PL1/2x6	.060	.112	5	.282	0	y	18	96757.507	97200	1.012	12.15	1...	H1-1b
62	M91	PL1/2x6	.052	.112	7	.231	0	y	14	96757.507	97200	1.012	12.15	1...	H1-1b

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N30A	30
N3	270
N59	150



TYPICAL PLATFORM

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):

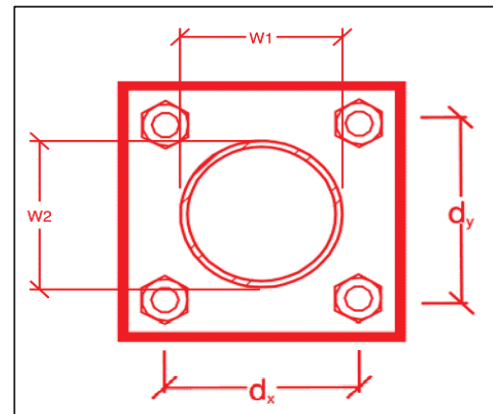
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
8
8
A325N
0.625
9.2
2.4
20.7
12.4
11.1%*
4.9%



*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
10
10
4
4
36
0.5
6
8.35
1.46
50.7%
17.5%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in) :	1.9
$\Phi \cdot M_{n_{xx}}$ (kip-in) :	20.3
$M_{u_{yy}}$ (kip-in) :	8.4
$\Phi \cdot M_{n_{yy}}$ (kip-in) :	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to pmisupport@colliersengineering.com

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

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

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, Maser Consulting Connecticut to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact Maser Consulting Connecticut immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

Photo Requirements:

- Photos taken at ground level
 - Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation of the modifications.
 - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- Photos taken at Mount Elevation
 - Photos showing the safety climb wire rope above and below the mount prior to modification.
 - Photos showing the climbing facility and safety climb if present.

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

Material Certification:

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

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

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

OR

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

Antenna & equipment placement and Geometry Confirmation:

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

OR

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

Comments:

Certifying Individual:

Company:	<div style="border: 1px solid black; height: 15px;"></div>
Employee Name:	<div style="border: 1px solid black; height: 15px;"></div>
Contact Phone:	<div style="border: 1px solid black; height: 15px;"></div>
Email:	<div style="border: 1px solid black; height: 15px;"></div>
Date:	<div style="border: 1px solid black; height: 15px;"></div>

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

Yes No

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

Issue:

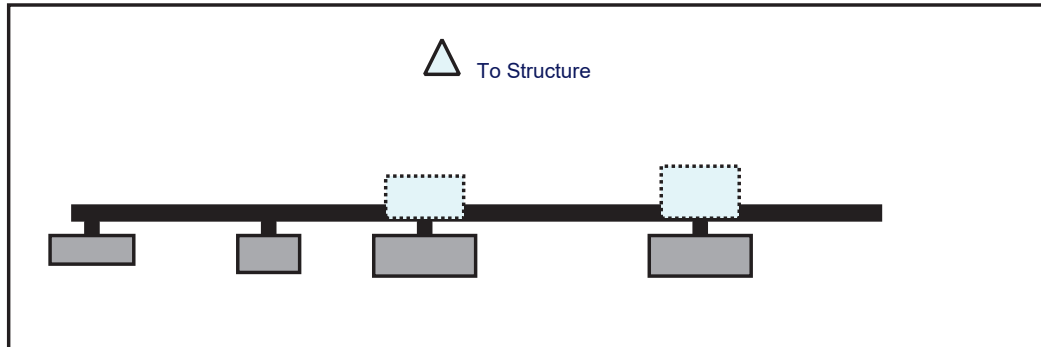
Response:

Contractor certifies that the climbing facility / safety climb was not damaged during installation:

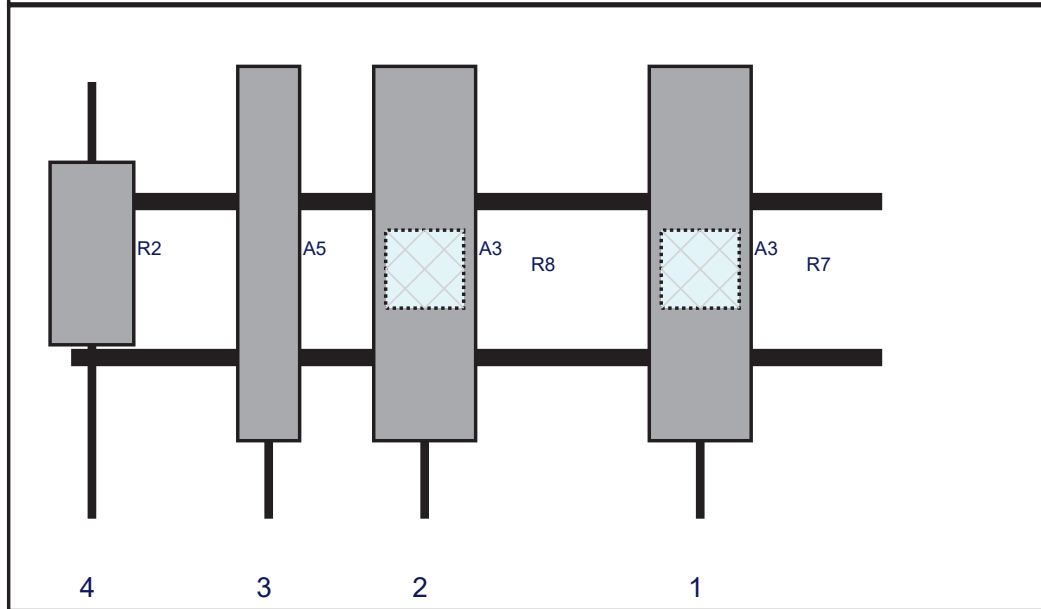
Yes No

Comments:

Plan View

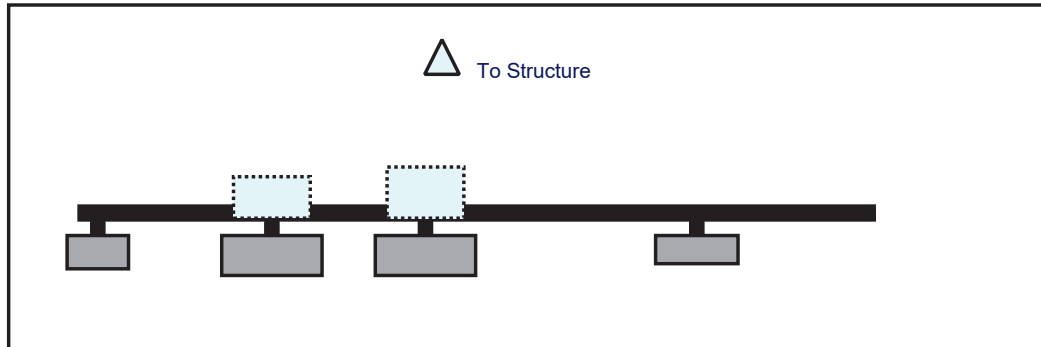


Front View
Looking at Structure

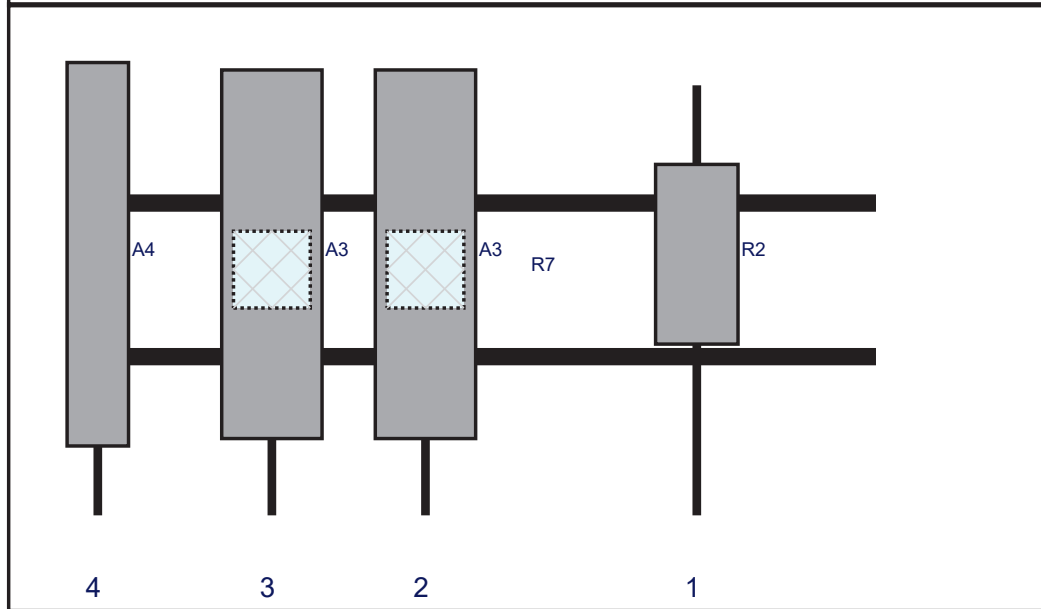


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	NNHH-65B-R4	72	19.6	121	1	a	Front	33	0	Retained	06/16/2021
R7	B2/B66A RRH-BR049	15	15	121	1	a	Behind	36	0	Retained	06/16/2021
A3	NNHH-65B-R4	72	19.6	68	2	a	Front	33	0	Retained	06/16/2021
R8	B5/B13 RRH-BR04C	15	15	68	2	a	Behind	36	0	Retained	06/16/2021
A5	LNx-6514DS-A1M	72	11.9	38	3	a	Front	33	0	Retained	06/16/2021
R2	MT6407-77A	35.1	16.1	4	4	a	Front	33	0	Added	

Plan View

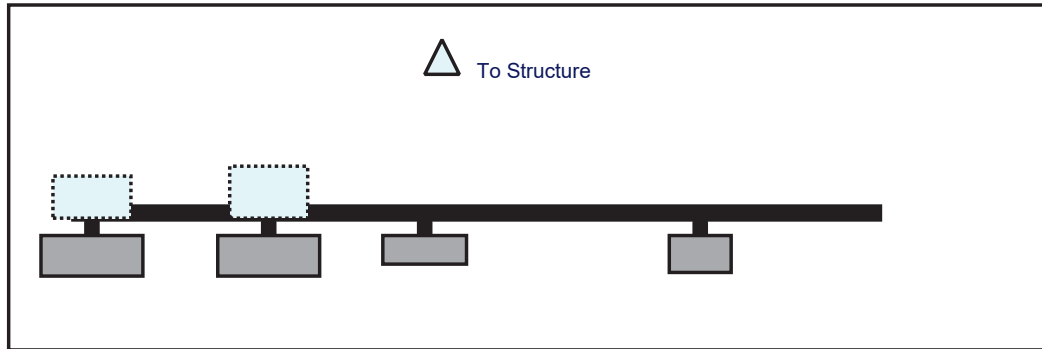


Front View
Looking at Structure

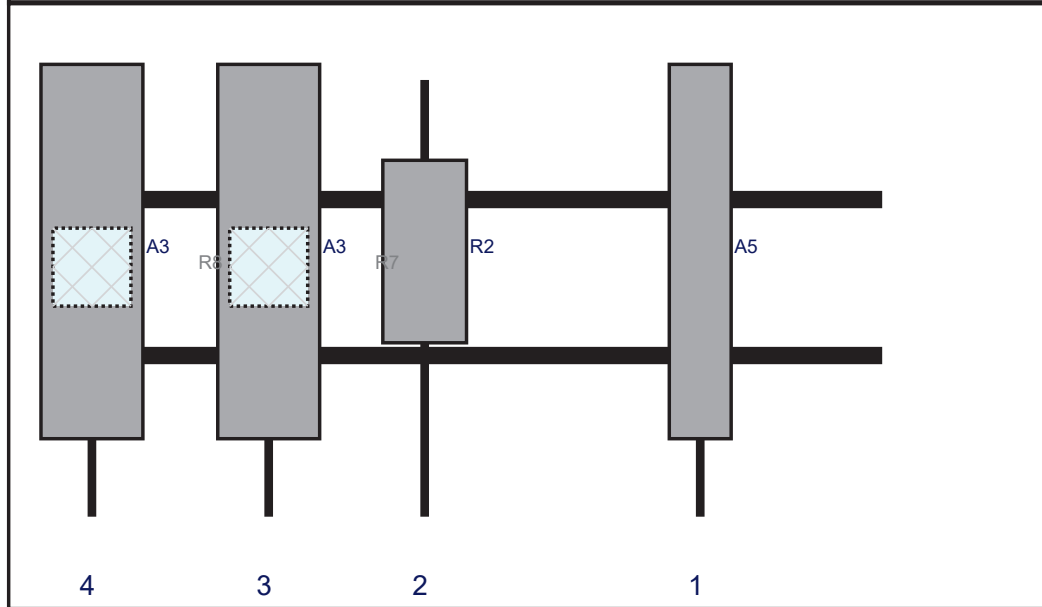


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	NNHH-65B-R4	72	19.6	38	3	a	Front	33	0	Retained	06/16/2021
R8	B5/B13 RRH-BR04C	15	15	38	3	a	Behind	36	0	Retained	06/16/2021
A4	HBXX-6517DS-A2M	74.9	12	4	4	a	Front	33	0	Retained	06/16/2021
R2	MT6407-77A	35.1	16.1	121	1	a	Front	33	0	Added	
A3	NNHH-65B-R4	72	19.6	68	2	a	Front	33	0	Retained	06/16/2021
R7	B2/B66A RRH-BR049	15	15	68	2	a	Behind	36	0	Retained	06/16/2021

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
A5	LNx-6514DS-A1M	72	11.9	121	1	a	Front	33	0	Retained	06/16/2021
R2	MT6407-77A	35.1	16.1	68	2	a	Front	33	0	Added	
A3	NNHH-65B-R4	72	19.6	38	3	a	Front	33	0	Retained	06/16/2021
R7	B2/B66A RRH-BR049	15	15	38	3	a	Behind	36	0	Retained	06/16/2021
A3	NNHH-65B-R4	72	19.6	4	4	a	Front	33	0	Retained	06/16/2021
R8	B5/B13 RRH-BR04C	15	15	4	4	a	Behind	36	0	Retained	06/16/2021

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 535818-VZW / BERLIN KENSINGTON CT
Site Name: BERLIN KENSINGTON CT
Carrier Name: Verizon Wireless
Address: 240 Kensington Road
Berlin, Connecticut 06037
Hartford County
Latitude: 41.626194°
Longitude: -72.775647°

Structure Information

Tower Type: 185-Ft Monopole
Mount Type: 13.00-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,



Derek Hartzell, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: **BERLIN KENSINGTON 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	621	2484	160	0.0035	0.5007	0.70%
VZW CDMA	869	2	389	778	160	0.0011	0.5793	0.19%
VZW Cellular	869	4	735	2940	160	0.0041	0.5793	0.71%
VZW PCS	1980	4	1244	4976	160	0.0070	1.0000	0.70%
VZW AWS	2125	4	1489	5956	160	0.0084	1.0000	0.84%
VZW CBAND	3730	4	6531	26124	160	0.0367	1.0000	3.67%
Total Percentage of Maximum Permissible Exposure								6.80%

*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

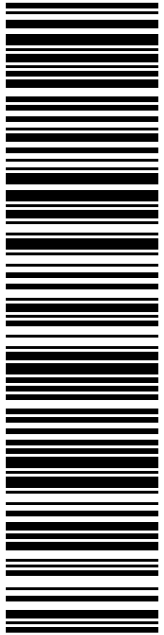
mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings



USPS TRACKING #

9405 5036 9930 0089 9514 52

Electronic Rate Approved #038555749

SHIP TO:

SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Expected Delivery Date: 12/10/21
Ref#: CR-826217
0006

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12/09/2021

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4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
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USPS TRACKING # :
9405 5036 9930 0089 9514 52

Trans. #: 550489453	Priority Mail® Postage: \$8.70
Print Date: 12/09/2021	Total: \$8.70
Ship Date: 12/09/2021	
Expected Delivery Date: 12/10/2021	

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

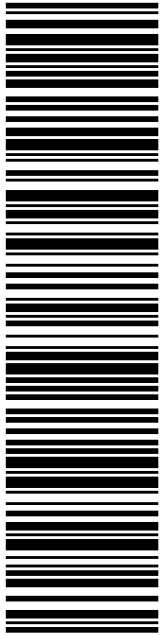
Ref#: CR-826217

To: SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.



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Electronic Rate Approved #038555749

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TO: MARK KACZYNSKI
MAYOR
240 KENSINGTON RD
BERLIN CT 06037-2655

DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

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Print Date: 12/09/2021	Total: \$8.70
Ship Date: 12/09/2021	
Expected Delivery Date: 12/13/2021	

From: DEBORAH CHASE
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420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

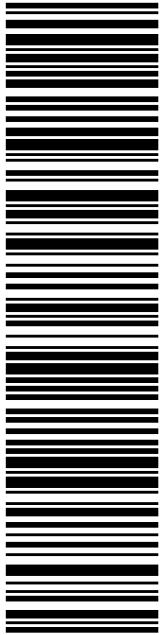
Ref#: CR-826217

To: MARK KACZYNSKI
MAYOR
240 KENSINGTON RD
BERLIN CT 06037-2655

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SHIP

TO: AROSHA JAYAWICKEREMA
TOWN MANAGER
240 KENSINGTON RD
BERLIN CT 06037-2655

DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Expected Delivery Date: 12/13/21
Ref#: CR-826217
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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0089 9515 06

Trans. #: 550489453	Priority Mail® Postage: \$8.70
Print Date: 12/09/2021	Total: \$8.70
Ship Date: 12/09/2021	
Expected Delivery Date: 12/13/2021	

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

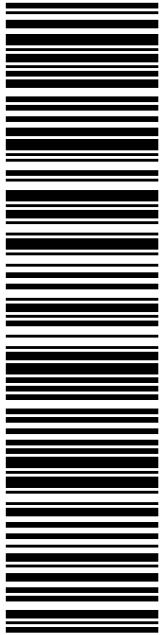
Ref#: CR-826217

To: AROSHA JAYAWICKEREMA
TOWN MANAGER
240 KENSINGTON RD
BERLIN CT 06037-2655

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Electronic Rate Approved #038555749

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ACTING TOWN PLANNER
240 KENSINGTON RD
BERLIN CT 06037-2655

C002

P

12/09/2021

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NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
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Expected Delivery Date: 12/13/21
Ref#: CR-826217
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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0089 9515 20

Trans. #: 550489453	Priority Mail® Postage: \$8.70
Print Date: 12/09/2021	Total: \$8.70
Ship Date: 12/09/2021	
Expected Delivery Date: 12/13/2021	

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-826217

To: MAUREEN GIUSTI
ACTING TOWN PLANNER
240 KENSINGTON RD
BERLIN CT 06037-2655

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826217



UNIONVILLE
24 MILL ST
UNIONVILLE, CT 06085-9998
(800)275-8777

12/10/2021

12:04 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0089 9514 52	1		\$0.00
Prepaid Mail Berlin, CT 06037 Weight: 0 lb 6.80 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0089 9515 06	1		\$0.00
Prepaid Mail Berlin, CT 06037 Weight: 0 lb 6.80 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0089 9514 83	1		\$0.00
Prepaid Mail Berlin, CT 06037 Weight: 0 lb 6.80 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0089 9515 20	1		\$0.00
Grand Total:			\$0.00
