



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

October 19, 2021

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

RE: **Notice of Exempt Modification for Verizon
Crown Site ID#876401; Verizon Site #469332
47-51 Unity Street, Plainfield, CT 06374
Latitude: 41° 42' 54.49" Longitude: -71° 53' 46.73"**

Dear Ms. Bachman:

Verizon currently maintains nine (9) antennas at the 125-foot mount on the existing 160-foot Monopole Tower located at **47-51 Unity Street** in Plainfield. The property is owned by Town of Plainfield and the Tower by Crown Castle. Verizon now intends to replace nine (9) existing antennas and add nine (9) new antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:

Tower:

REMOVE AND REPLACE

(6 Andrew- SBNHH Antennas (**REMOVE**) – (6) Andrew – JAHH-65B-R3B Antennas

(**REPLACE**)

(3) Amphenol – QUAD656C0000X Antennas (**REMOVE**) - (3) Samsung- MT6407-77A

Antenna (**REPLACE**)

(3) Nokia – UHIE -66B 4X45 Remote Radio heads (**REMOVE**) – (3) Samsung- RF440D-13A

Remote Radio Head (**REPLACE**)

(3) Nokia – UHBA B13 4X30 Remote Radio heads (**REMOVE**) – (3) Samsung- RF4439D-25A

Remote Radio Heads (**REPLACE**)

(2) Hybriflex – 6x12 Hybrid cables non-LI (**REMOVE**) – (2) Hybriflex – 6x12 Hybrid cables LI

(**REPLACE**)

MODIFY

Modify Existing Antenna platform

REMOVE

(3) Commscope – BSAMNT-SBS-1-2 Mount bracket

(2) OVP-6 Pendant

(3) Nokia-AHCA Airscale Remote Radio 4T4R B5 160W

The Foundation for a Wireless World.

CrownCastle.com



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

INSTALL

- (3) Commscope – BSAMNT-SBS-2-2 Mount bracket
- (1) RFS/Cellwave – OVP - DB-B1-6C-12AB-QZ
- (3) Commscope – Diplexers - CBC78T-DS-43-2X

The facility was approved by the Connecticut Siting Council in Docket No. 234 on April 9, 2003. This approval included conditions which this exempt modification follows.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-50j-73, a copy of this letter is being sent to Kevin Cunningham, First Selectman for the Town of Plainfield, Mary Ann Chinalli, Planning & Zoning Supervisor and Richard J. Martel, Town of Plainfield Building official

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

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

Sincerely,

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

The Foundation for a Wireless World.
CrownCastle.com



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

cc:

Kevin Cunningham, First Selectman
Town of Plainfield
3 Community Avenue
Plainfield, CT 06374
(Via Fedex)

MaryAnn Chinatti, Planning and Zoning Supervisor
Town of Plainfield
3 Community Avenue
Plainfield, CT 06374
(Via Fedex)

Richard J. Martel, Building Official
Town of Plainfield
3 Community Avenue
Plainfield, CT 06374
(Via Fedex)



TRACK ANOTHER SHIPMENT

285098758903



ADD NICKNAME

Delivered



DELIVERED

Signed for by: B.IANCCA



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

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

TO

Kevin Cunningham
Town of Plainfield
8 Community Ave.
PLAINFIELD, CT US 06374
860-230-3001

Travel History

TIME ZONE

Local Scan Time



Wednesday, October 20, 2021

11:00 AM	PLAINFIELD, CT	Delivered
9:36 AM	NORWICH, CT	On FedEx vehicle for delivery
8:22 AM	NORWICH, CT	At local FedEx facility
3:09 AM	NEWARK, NJ	Departed FedEx hub

Tuesday, October 19, 2021

10:36 PM	NEWARK, NJ	Arrived at FedEx hub
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TRACK ANOTHER SHIPMENT

285098921154



[ADD NICKNAME](#)

Delivered



DELIVERED

Signed for by: B.IANCCA



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[OBTAIN PROOF OF DELIVERY](#)

FROM

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

TO

Mary Ann Chinatti
Town of Plainfield
8 Community Ave.
PLAINFIELD, CT US 06374
860-230-3028

Travel History

TIME ZONE

Local Scan Time



Wednesday, October 20, 2021

11:00 AM	PLAINFIELD, CT	Delivered
9:36 AM	NORWICH, CT	On FedEx vehicle for delivery
8:22 AM	NORWICH, CT	At local FedEx facility
3:09 AM	NEWARK, NJ	Departed FedEx hub

Tuesday, October 19, 2021

10:36 PM	NEWARK, NJ	Arrived at FedEx hub
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TRACK ANOTHER SHIPMENT

285099089829



ADD NICKNAME

Delivered



DELIVERED

Signed for by: B.IANCCA



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

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

TO

Richard J. Martel, Building dept.
Town of Plainfield
8 Community Ave.
PLAINFIELD, CT US 06374
860-230-3012

Travel History

TIME ZONE

Local Scan Time



Wednesday, October 20,
2021

11:00 AM	PLAINFIELD, CT	Delivered
9:36 AM	NORWICH, CT	On FedEx vehicle for delivery
8:24 AM	NORWICH, CT	At local FedEx facility
3:09 AM	NEWARK, NJ	Departed FedEx hub

Tuesday, October 19,
2021

10:36 PM	NEWARK, NJ	Arrived at FedEx hub
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Exhibit A

Original Facility Approval

Connecticut Siting Council^(/CSC)

[CT.gov Home](#) [\(/\)](#) [Connecticut Siting Council](#) [\(/CSC\)](#) DO 234 Decision and Order Plainfield

[Decisions \(/CSC/Decisions/Decisions\)](#) >

[Meetings and Minutes \(/CSC/Common-Elements/v4-template/Council-Activity\)](#) >

[Pending Matters \(/CSC/1_Applications-and-Other-Pending-Matters/Pending-Matters\)](#) >

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[About Us \(/CSC/Common-Elements/Common-Elements/Connecticut-Siting-Council---Description\)](#) >

[Contact Us \(/CSC/Common-Elements/Common-Elements/Contact-Us\)](#) >

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DOCKET NO. 234 – Sprint Spectrum, L.P. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility in Plainfield, Connecticut. } Connecticut
} Siting
} Council
April 9, 2003

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Sprint Spectrum L. P. (Sprint) for the construction, maintenance and operation of a wireless

telecommunications facility at proposed Candidate B site located at 47-51 Unity Street, Plainfield, Connecticut. We deny certification of the proposed Candidate A site (Saad property) located at 180 Town Farm Road, Plainfield, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Sprint and other entities, both public and private, but such tower shall not exceed a height of 160 feet above ground level. The tower shall also be constructed in such a manner that, in the unlikely event of failure, it would collapse upon itself in a way that would effectively reduce the diameter of the fall zone.
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include:
 - a. a detailed site development plan that depicts the location of the access road, compound, tower, and utility line;
 - b. specifications for the tower, tower foundation, antennas, equipment building, and security fence; and
 - c. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power densities of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
4. Upon the establishment of any new state or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. If the facility does not initially provide, or permanently ceases to provide wireless services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.
8. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

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

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

The parties and intervenors to this proceeding are:

Applicant

Sprint Spectrum, L.P.
d/b/a Sprint PCS

Its Representative

Thomas J. Regan, Esquire
Brown Rudnick Berlack Israels LLP
CityPlace I, 38th Floor
185 Asylum Street
Hartford, CT 06103-3402
(860) 509-6522

Exhibit B

Property Card

47-51 UNITY ST

Location 47-51 UNITY ST

Mblu 015/ 0071/ 0009/ /

Acct# 00145200

Owner PLAINFIELD TOWN OF

Assessment \$402,680

Appraisal \$575,250

PID 1571

Building Count 3

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2018	\$386,850	\$188,400	\$575,250

Assessment			
Valuation Year	Improvements	Land	Total
2018	\$270,800	\$131,880	\$402,680

Owner of Record

Owner PLAINFIELD TOWN OF

Sale Price \$0

Co-Owner

Certificate

Address 651 NORWICH RD
PLAINFIELD, CT 06374

Book & Page 0025/0002

Sale Date 04/01/1878

Instrument

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
PLAINFIELD TOWN OF	\$0		0025/0002		04/01/1878

Building Information

Building 1 : Section 1

Year Built: 1973
Living Area: 12,000
Replacement Cost: \$345,480
Building Percent Good: 73
Replacement Cost
Less Depreciation: \$252,200

Building Attributes

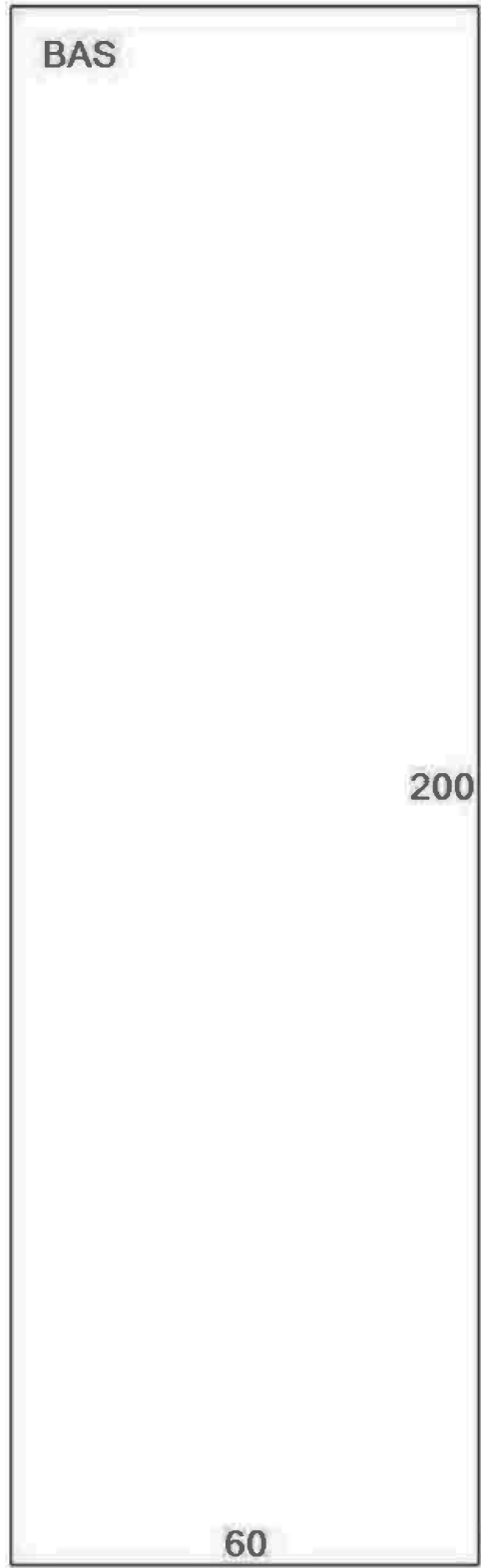
Field	Description
STYLE	Warehouse
MODEL	Comm/Ind
Grade	C
Stories:	1
Occupancy	
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Oil
Heating Type	Forced Air-Duc
AC Type	None
Struct Class	
Bldg Use	MUNICIPAL MDL-94
Total Rooms	
Total Bedrms	00
Total Baths	0
Usrflid 218	0
Usrflid 219	
1st Floor Use:	9030
Heat/AC	HEAT ONLY
Frame Type	STEEL
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	16.00
% Conn Wall	

Building Photo



(<http://images.vgsi.com/photos/PlainfieldCTPhotos/\00\00\13\21.JPG>)

Building Layout



(ParcelSketch.ashx?pid=1571&bid=1571)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	12,000	12,000
		12,000	12,000

Building 2 : Section 1

Year Built: 1975
Living Area: 3,150
Replacement Cost: \$108,581
Building Percent Good: 73
Replacement Cost Less Depreciation: \$79,260

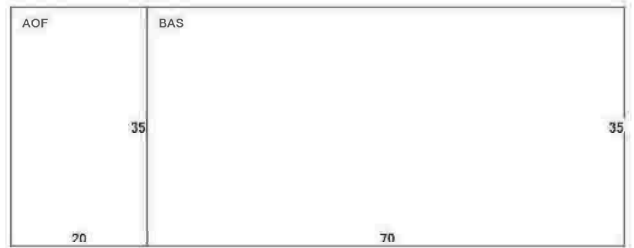
Building Attributes : Bldg 2 of 3	
Field	Description
STYLE	Warehouse
MODEL	Comm/Ind
Grade	C
Stories:	1
Occupancy	
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Typical
Interior Wall 2	
Interior Floor 1	Average
Interior Floor 2	
Heating Fuel	None
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	MUNICIPAL MDL-94
Total Rooms	
Total Bedrms	00
Total Baths	0
Usrflid 218	0
Usrflid 219	
1st Floor Use:	9030
Heat/AC	NONE
Frame Type	NONE
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	10.00
% Conn Wall	

Building Photo



(<http://images.vgsi.com/photos/PlainfieldCTPhotos//default.jpg>)

Building Layout



(ParcelSketch.ashx?pid=1571&bid=20058)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	2,450	2,450
AOF	Office	700	700
		3,150	3,150

Building 3 : Section 1

Year Built: 1975
Living Area: 378
Replacement Cost: \$20,782
Building Percent Good: 73
Replacement Cost Less Depreciation: \$15,170

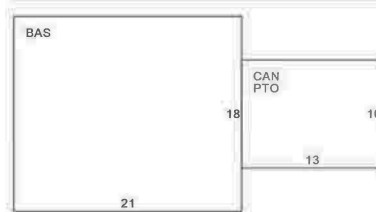
Building Attributes : Bldg 3 of 3	
Field	Description
STYLE	Office/Warehs
MODEL	Comm/Ind
Grade	D
Stories:	1
Occupancy	
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	None
Struct Class	
Bldg Use	MUNICIPAL MDL-94
Total Rooms	
Total Bedrms	00
Total Baths	0
Usrflid 218	0
Usrflid 219	
1st Floor Use:	9030
Heat/AC	HEAT ONLY
Frame Type	REINF, CONCR
Baths/Plumbing	NONE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	10.00
% Comn Wall	

Building Photo



(<http://images.vgsi.com/photos/PlainfieldCTPhotos//default.jpg>)

Building Layout



(ParcelSketch.ashx?pid=1571&bid=20059)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	378	378
CAN	Canopy	130	0
PTO	Patio	130	0
		638	378

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
OD1	Overhead Dr-Wood/Mtl	1.00 UNITS	\$730	1
OD1	Overhead Dr-Wood/Mtl	1.00 UNITS	\$730	2
A/C	Air Conditioning	700.00 S.F.	\$1,280	2
OD1	Overhead Dr-Wood/Mtl	3.00 UNITS	\$2,190	1
MEZ1	Mezzanine-Unf	1200.00 S.F.	\$7,010	1

Land

Land Use

Use Code 903C
Description MUNICIPAL MDL-94
Zone IND
Neighborhood 2000
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 11.85
Frontage
Depth
Assessed Value \$131,880
Appraised Value \$188,400

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
AQ1	Quonset Bldg			840.00 S.F.	\$12,180	1
KEN2	Kennel-Good			468.00 S.F.	\$5,970	3
CNP1	Canopy Avg			312.00 S.F.	\$1,870	3
CNP1	Canopy Avg			800.00 S.F.	\$3,200	2
SH1	Frame Shed			128.00 S.F.	\$800	1
SH1	Frame Shed			170.00 S.F.	\$1,060	1
CNP1	Canopy Avg			800.00 S.F.	\$3,200	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$386,850	\$188,400	\$575,250
3000	\$386,850	\$188,400	\$575,250
2018	\$386,850	\$190,370	\$577,220

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$270,800	\$131,880	\$402,680
3000	\$270,800	\$131,880	\$402,680
2018	\$270,800	\$133,260	\$404,060



Imagery ©2020 CNES / Airbus, Maxar Technologies, RIGIS, USDA Farm Service Agency, Map data ©2020 1000 ft



41°42'54.5"N 71°53'46.7"W

41.715136, -71.896314



Directions



Save



Nearby



Send to your
phone



Share



Plainfield, CT



P483+3F Plainfield, Connecticut

Photos

Exhibit C

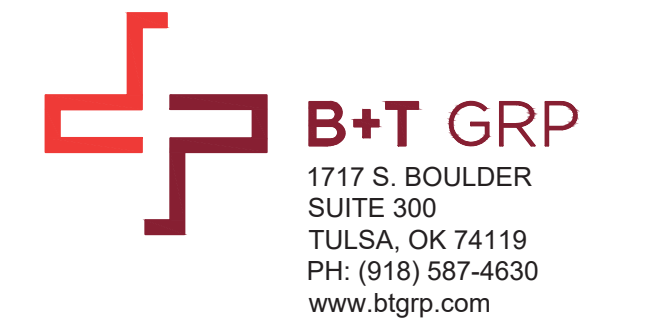
Construction Drawings



VERIZON WIRELESS SITE NUMBER: 469332
VERIZON WIRELESS SITE NAME: PLAINFIELD N 2 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 160'-0"

BUSINESS UNIT #: 876401
SITE ADDRESS: 47-51 UNITY STREET
PLAINFIELD, CT 06374
COUNTY: WINDHAM
JURISDICTION: CONNECTICUT
SITING COUNCIL

VERIZON WIRELESS 5G L-SUB6 - CARRIER ADD



VERIZON WIRELESS SITE NUMBER: 469332
BU #: 876401
TOWN OF PLAINFIELD/SSUSA
47-51 UNITY STREET
PLAINFIELD, CT 06374
EXISTING 160'-0" MONOPOLE

SITE INFORMATION	
CROWN CASTLE USA INC. SITE NAME:	TOWN OF PLAINFIELD/SSUSA
SITE ADDRESS:	47-51 UNITY STREET PLAINFIELD, CT 06374
COUNTY:	WINDHAM
MAP/PARCEL #:	015-0071-0009
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.715136
LONGITUDE:	-71.896314
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	231'
CURRENT ZONING:	IND-1
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:	PLAINFIELD TOWN OF 651 NORWICH RD. PLAINFIELD, CT 06374
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	EVERSOURCE (800) 286-2000
TELCO PROVIDER:	N/A N/A

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.

LOCATION MAP

DRIVING DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT
 CONTINUE TO BRADLEY INTERNATIONAL AIRPORT CON, HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT, SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT SLIGHT LEFT, TAKE I-91 S, I-291 E AND I-84 E TO CT-74 E IN TOLLAND. TAKE EXIT 69 FROM I-84 E, CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON, CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON, USE THE RIGHT 2 LANES TO MERGE WITH I-91 S TOWARD HARTFORD, TAKE EXIT 35A FOR I-291 TOWARD MANCHESTER CONTINUE ONTO I-291 E, USE THE LEFT LANE TO MERGE WITH I-84 E TOWARD BOSTON, TAKE EXIT 69 FOR CT-74 TOWARD U.S. 44/WILLINGTON/PUTNAM, GET ON I-395 S IN KILLINGLY FROM US-44 E TURN RIGHT ONTO CT-74 E, TURN LEFT ONTO US-44 E CONTINUE STRAIGHT ONTO CT-101 E, TURN RIGHT TO MERGE WITH I-395 S TOWARD NORWICH MERGE WITH I-395 S DESTINATION WILL BE ON THE RIGHT.

APPROVALS	
SIGNATURE	DATE
_____	_____
_____	_____
_____	_____
_____	_____

CONTRACTOR PMI REQUIREMENTS	
PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10097730
VzW LOCATION CODE (PSLC)	469332
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT	

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

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:	B+T GROUP
DATED:	8/27/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	9/13/21
RFDS REVISION:	N/A
DATED:	8/12/21
ORDER ID:	583854
REVISION:	1

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (9) ANTENNAS
- REMOVE (9) RADIOS
- REMOVE (2) HYBRID CABLES
- REMOVE (2) OVP-6 PENDANTS
- INSTALL (9) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (3) DIPLEXERS
- INSTALL (1) OVP
- INSTALL (2) HYBRID CABLES
- INSTALL (3) COMMSCOPE BSAMNT-SBS-2-2 BRACKETS
- INSTALL (1) PROPOSED SUPPORT RAIL KIT
- INSTALL (1) 36" LONG, P2 STD OVP PIPE
- INSTALL (1) CROSSOVER PLATE KIT

GROUND SCOPE OF WORK:

- NONE

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

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/9/21	STH	CONSTRUCTION	STH
1	9/28/21	TDG	CONSTRUCTION	TDG

PROFESSIONAL ENGINEER

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 PEC.0001564
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SHEET NUMBER:	REVISION:
T-1	1

I:\36378.010.01_TOWN OF PLAINFIELDSSUSA.dwg - Sheet1-1 - User: tim.grove - Sep 28, 2021 - 8:55pm

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BEDMINSTER, NJ 07921

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B+T GRP

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SUITE 300
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www.btgrp.com

VERIZON WIRELESS SITE
NUMBER:
469332

BU #: 876401
**TOWN OF
PLAINFIELD/SSUSA**

47-51 UNITY STREET
PLAINFIELD, CT 06374

EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/9/21	STH	CONSTRUCTION	STH
1	9/28/21	TDG	CONSTRUCTION	TDG



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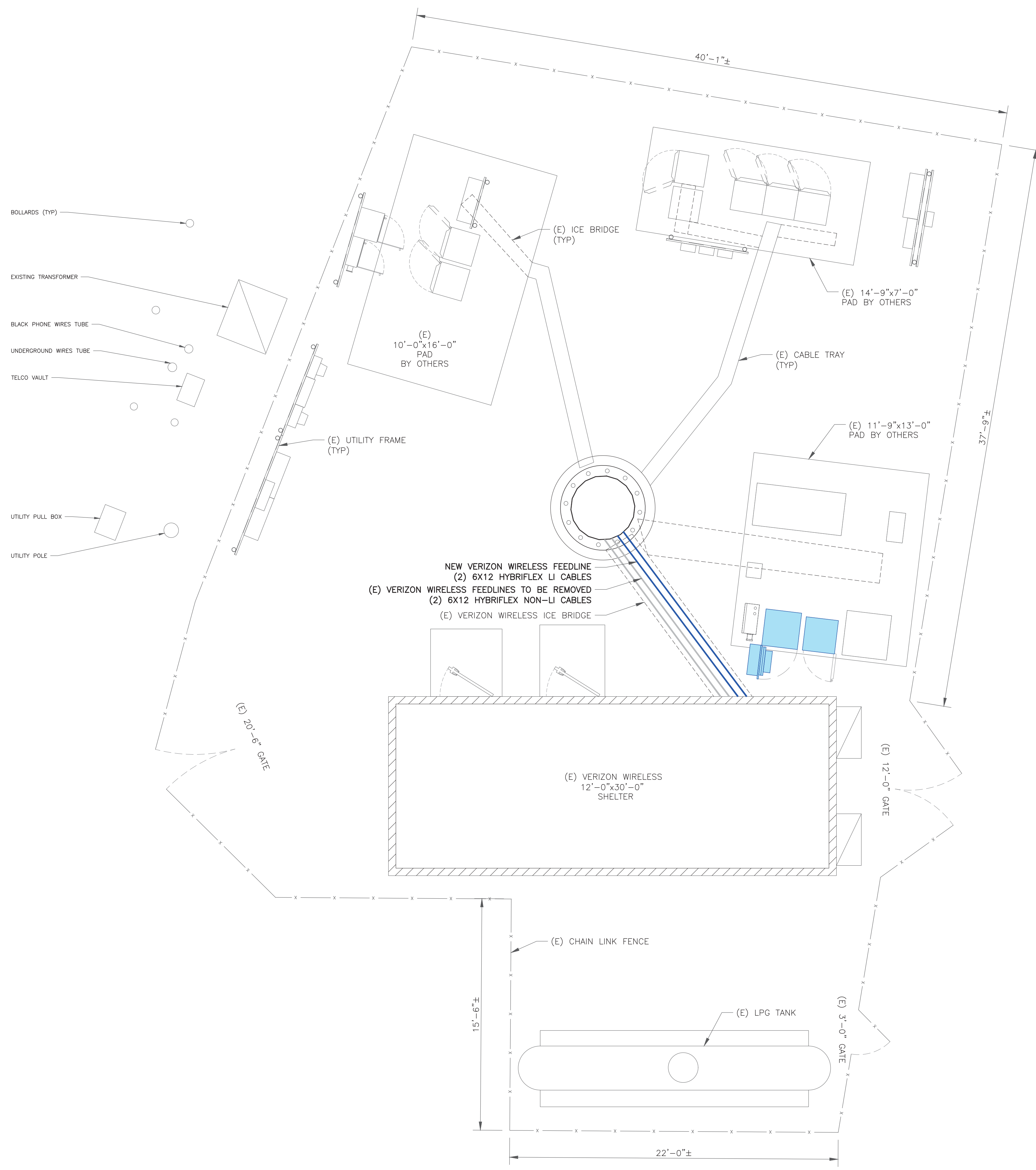
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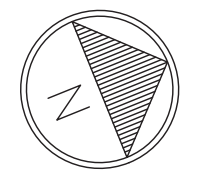
C-1

REVISION:

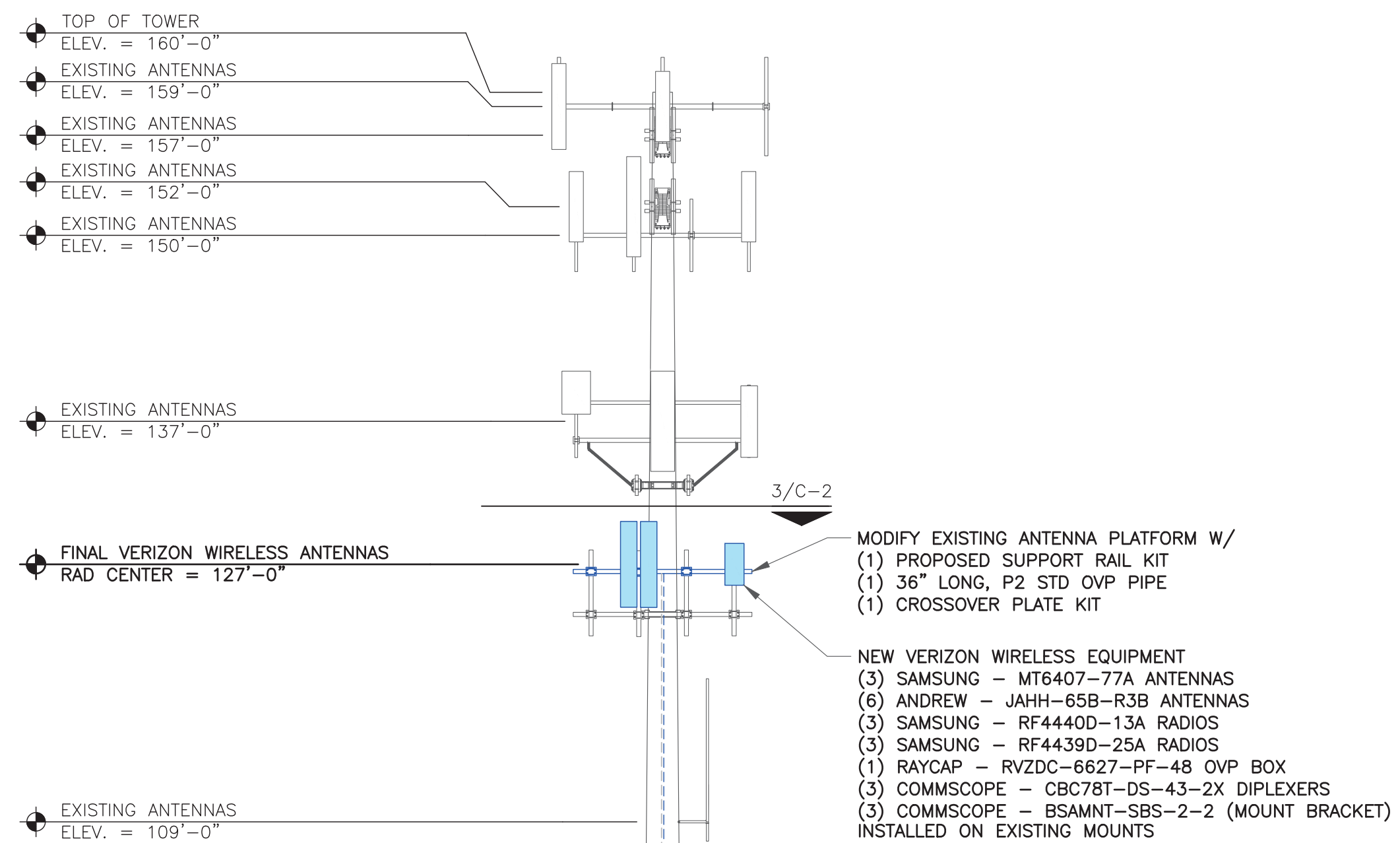
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1 SITE PLAN
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

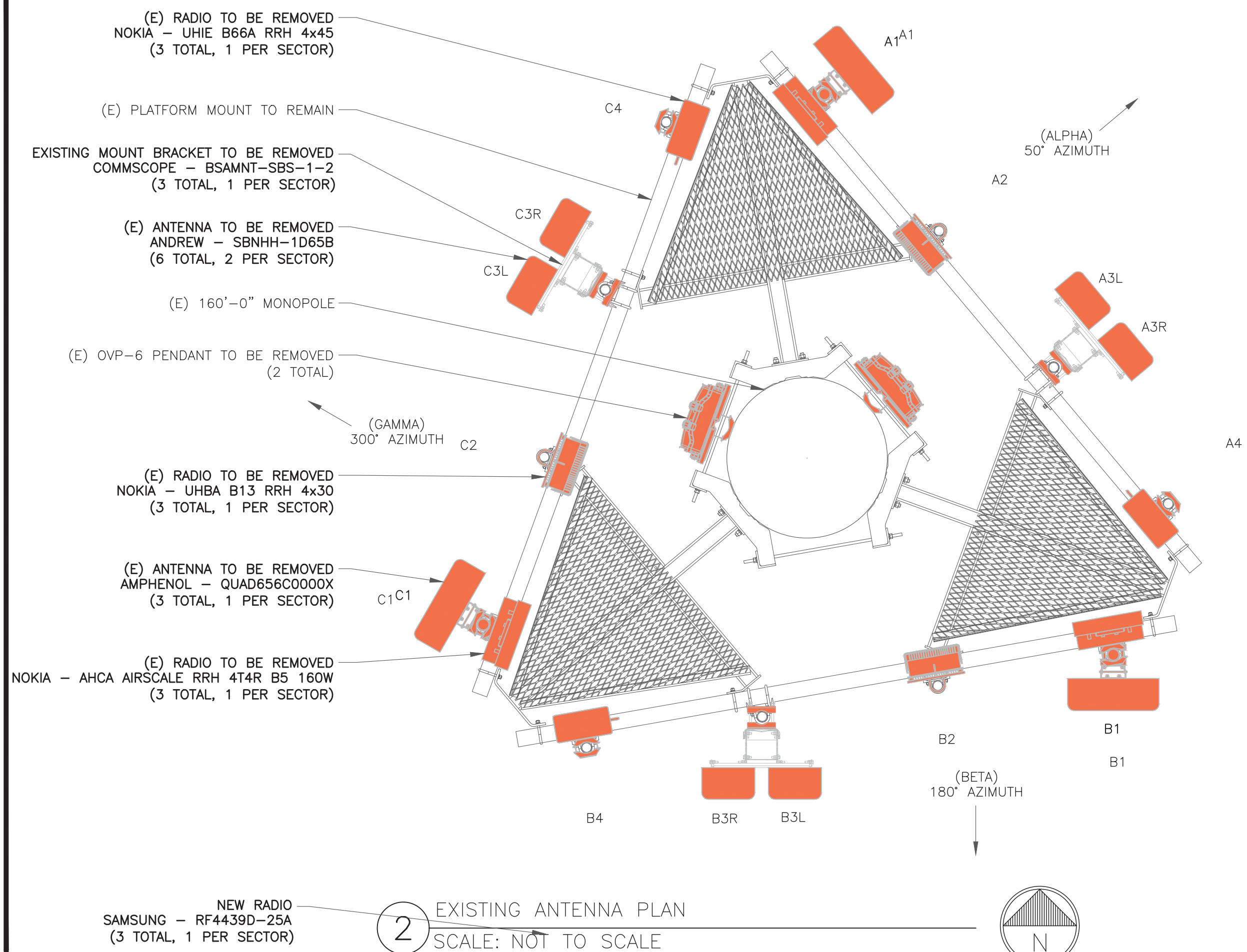


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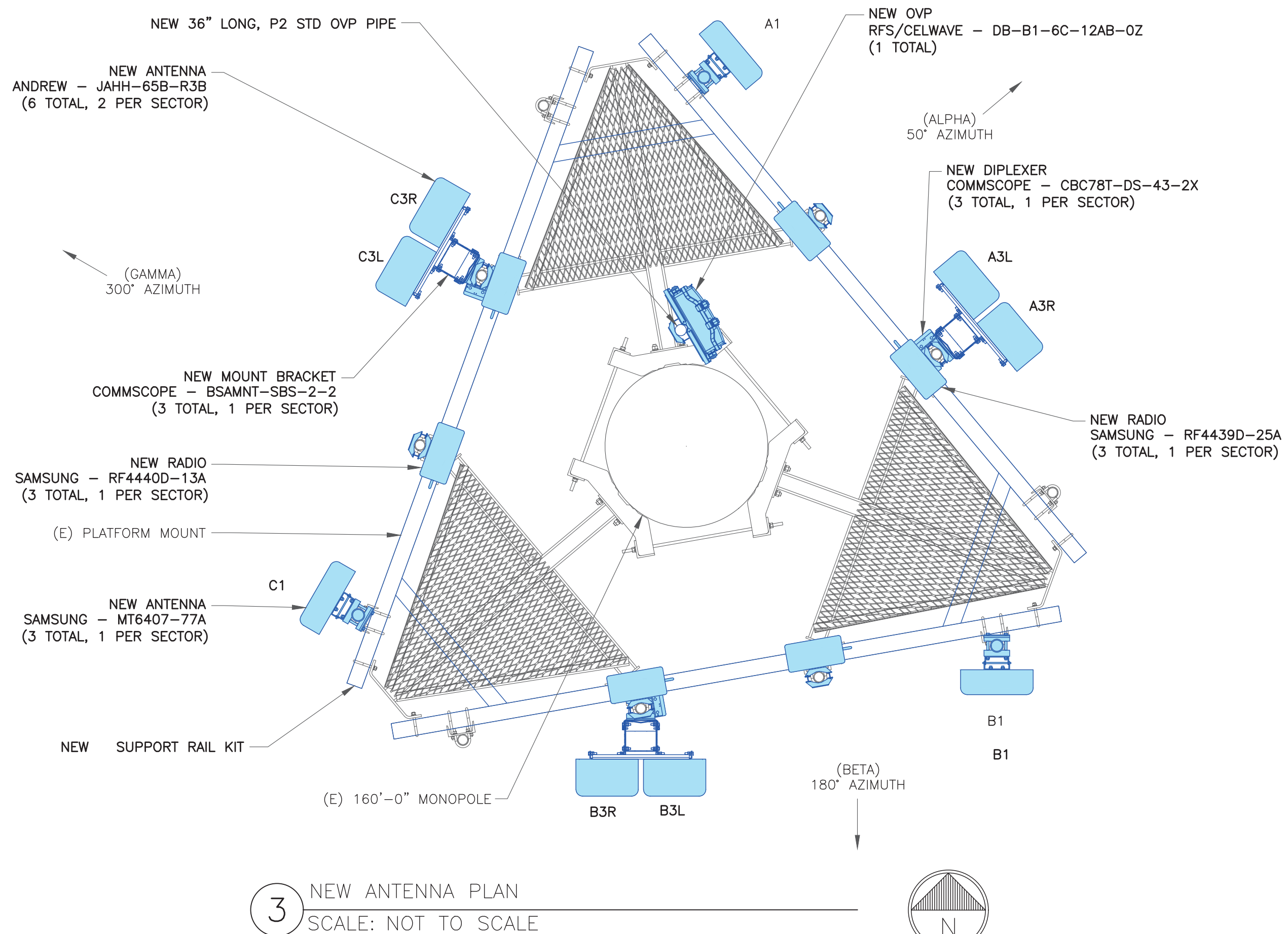


VERIZON WIRELESS EQUIPMENT
 ANTENNA CL: 127'-0"
 MOUNT CL: 125'-0"

1 TOWER ELEVATION
 SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
 SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
 SCALE: NOT TO SCALE

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C-2

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C-3

REVISION:

1

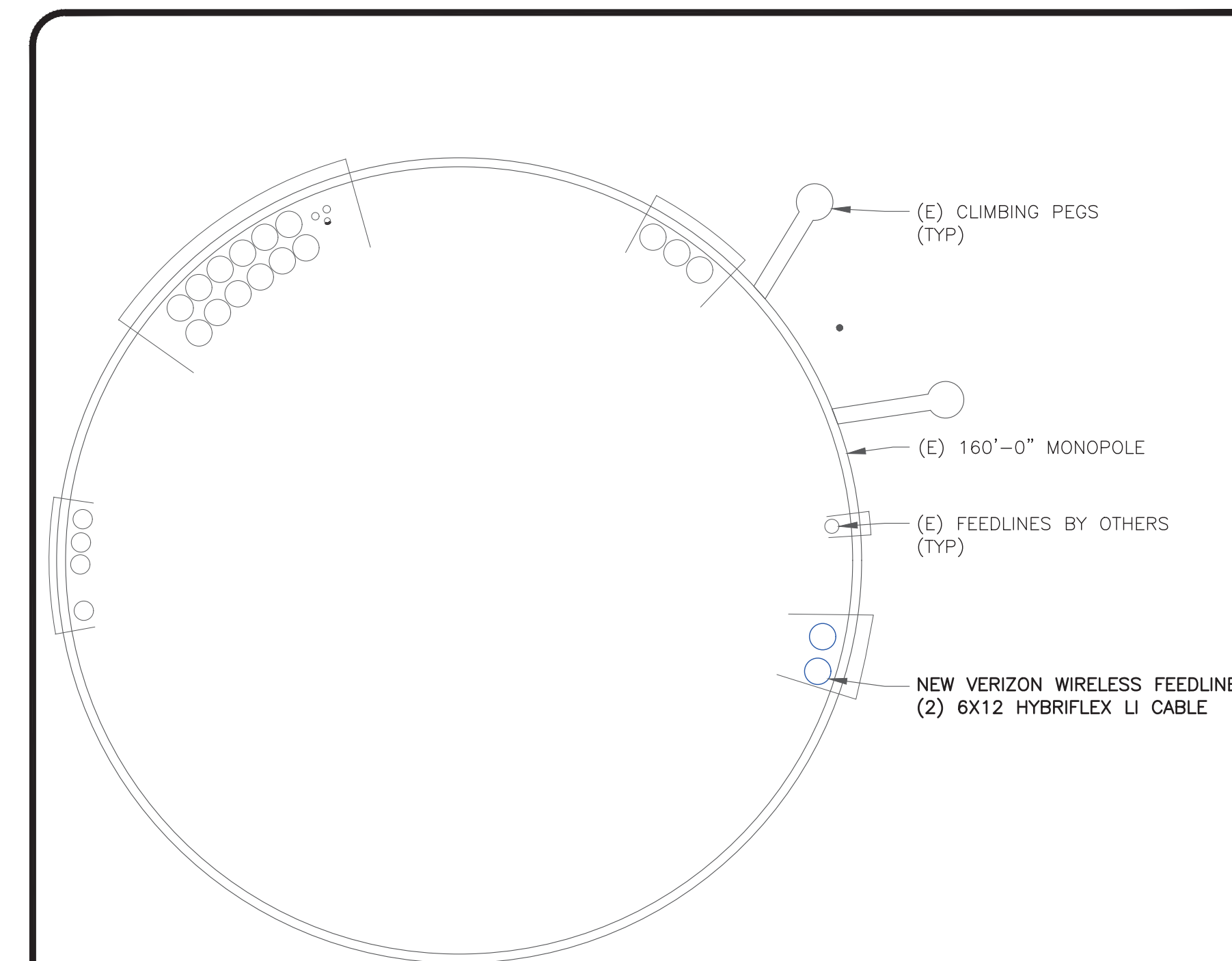
ANTENNA/RRH SCHEDULE

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	127'-0"	50°	0°	6°	-	-
A2	EXISTING	EMPTY MOUNT PIPE	-	-	-	-	-	RAYCAP	(1) RVZDC-6627-PF-48
A3L	NEW	ANDREW	JAHH-65B-R3B	127'-0"	50°	0°	5°/8°/8°/1°/1°	SAMSUNG COMMSCOPE	(1) RF4440D-13A (1) CBC78T-DS-43-2X
A3R	NEW	ANDREW	JAHH-65B-R3B	127'-0"	50°	0°	5°/8°/8°/1°/1°	SAMSUNG	(1) RF4439D-25A
A4	EXISTING	EMPTY MOUNT PIPE	-	-	-	-	-	-	-
B1	NEW	SAMSUNG	MT6407-77A	127'-0"	180°	0°	6°	-	-
B2	EXISTING	EMPTY MOUNT PIPE	-	-	-	-	-	-	-
B3L	NEW	ANDREW	JAHH-65B-R3B	127'-0"	180°	0°	2°/2°/2°/1°/1°	SAMSUNG COMMSCOPE	(1) RF4440D-13A (1) CBC78T-DS-43-2X
B3R	NEW	ANDREW	JAHH-65B-R3B	127'-0"	180°	0°	2°/2°/2°/1°/1°	SAMSUNG	(1) RF4439D-25A
B4	EXISTING	EMPTY MOUNT PIPE	-	-	-	-	-	-	-
C1	NEW	SAMSUNG	MT6407-77A	127'-0"	300°	0°	6°	-	-
C2	EXISTING	EMPTY MOUNT PIPE	-	-	-	-	-	-	-
C3L	NEW	ANDREW	JAHH-65B-R3B	127'-0"	300°	0°	2°/2°/2°/1°/1°	SAMSUNG COMMSCOPE	(1) RF4440D-13A (1) CBC78T-DS-43-2X
C3R	NEW	ANDREW	JAHH-65B-R3B	127'-0"	300°	0°	2°/2°/2°/1°/1°	SAMSUNG	(1) RF4439D-25A
C4	EXISTING	EMPTY MOUNT PIPE	-	-	-	-	-	-	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

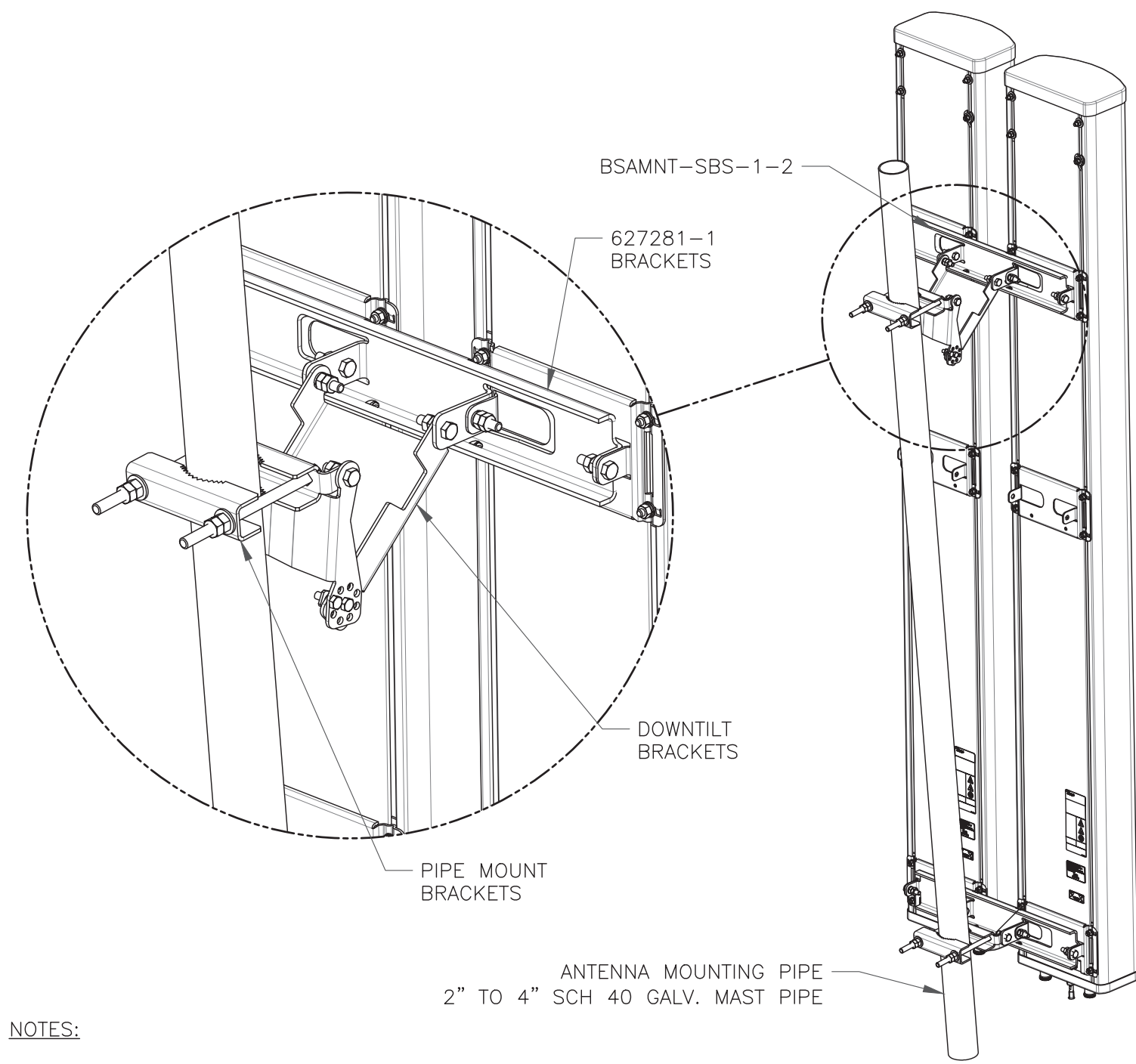
CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
NEW	HYBRID	1-5/8"	177'-0"±	2
TOTAL CABLE QTY:				2



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



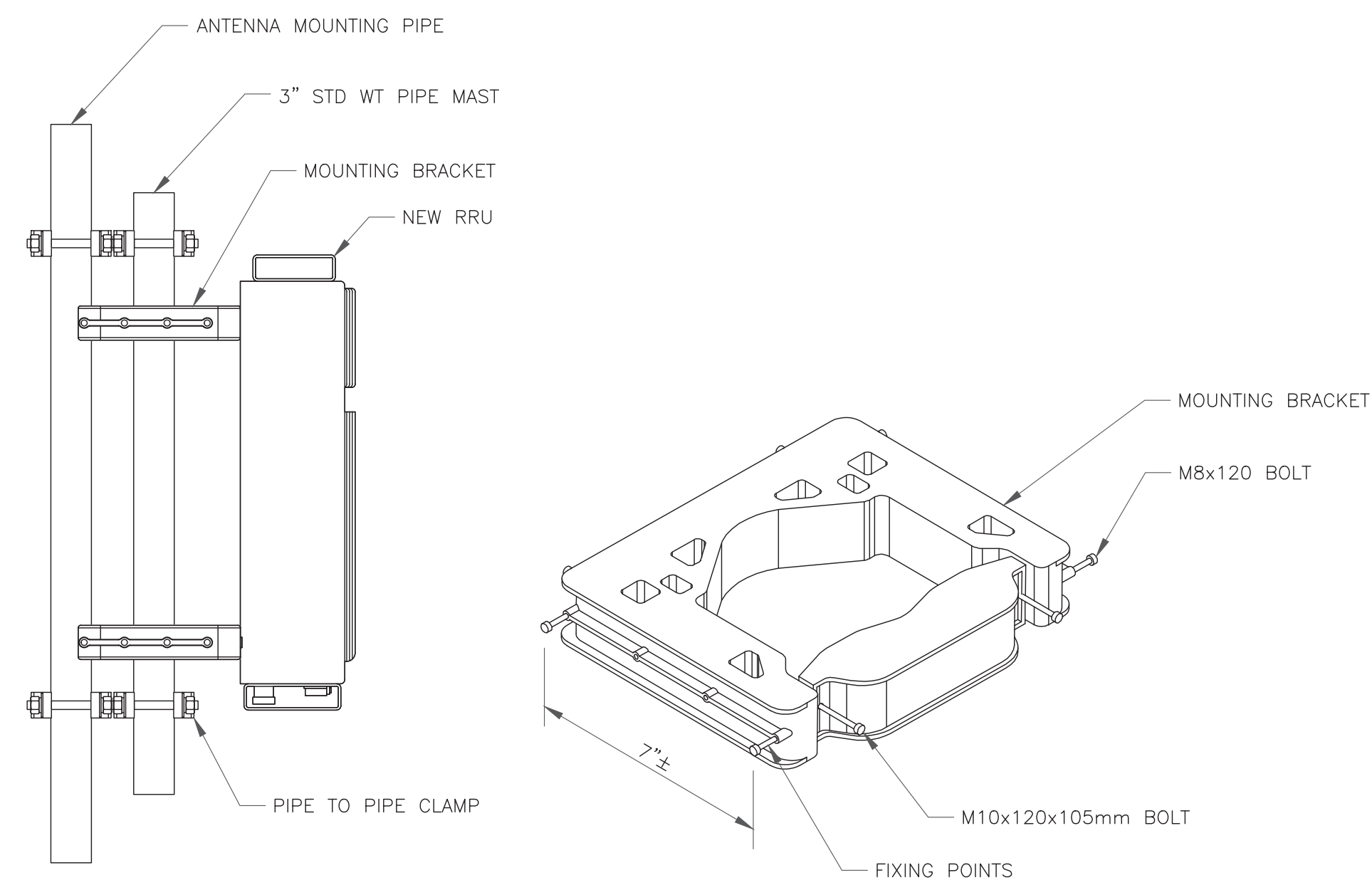


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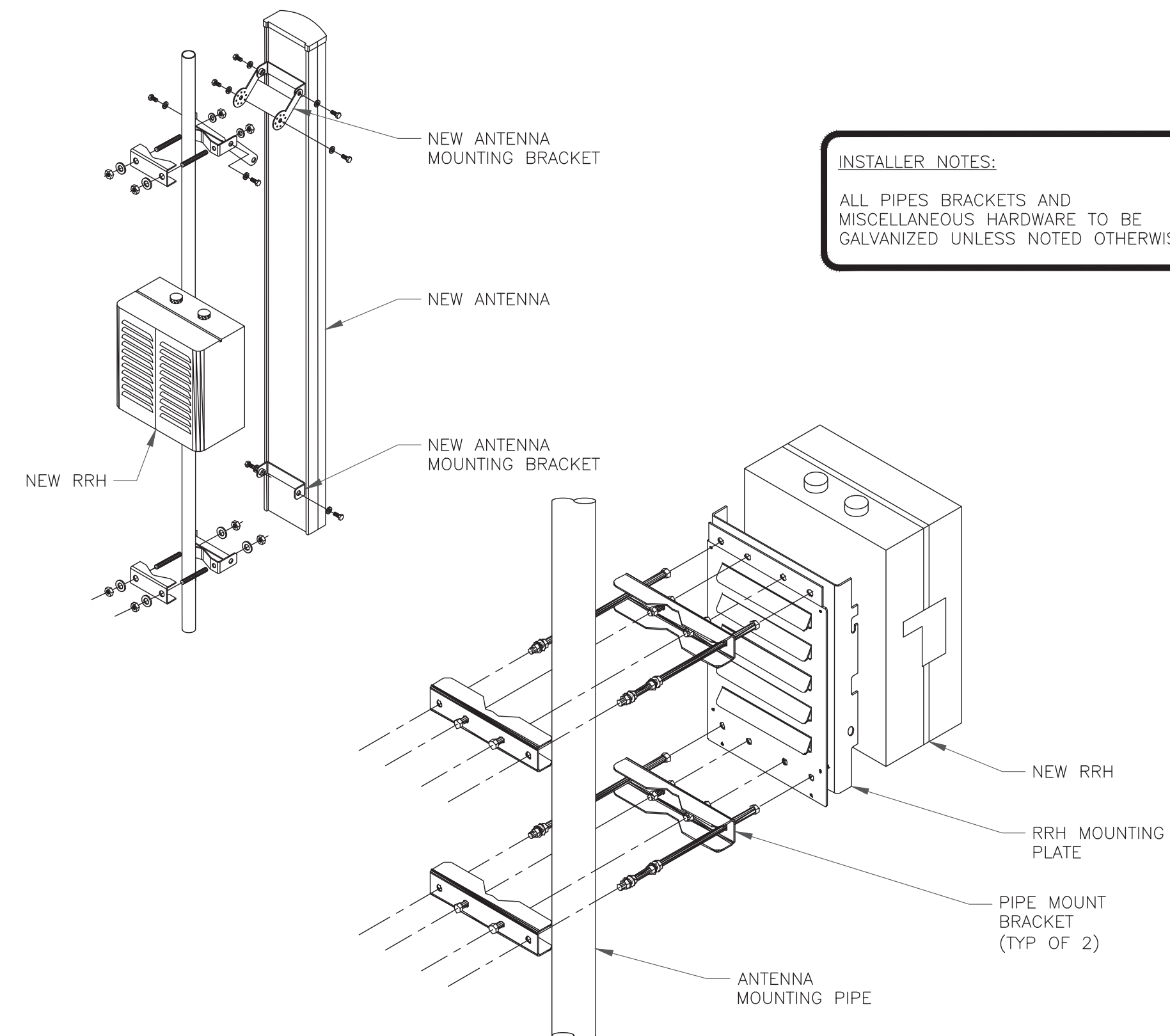
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



3 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

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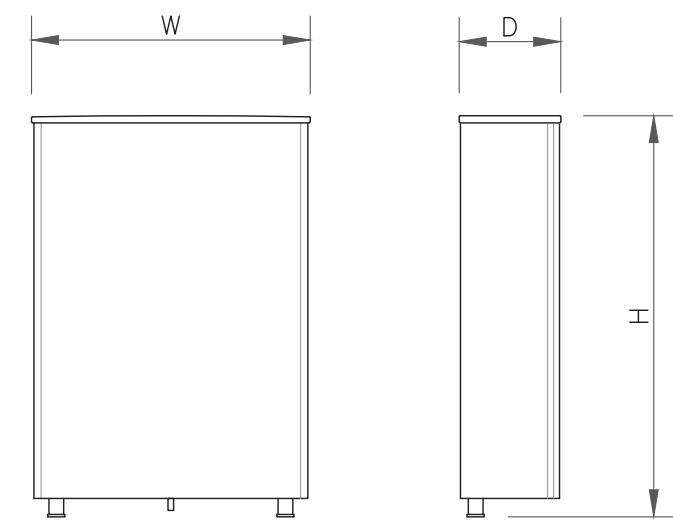
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C-4

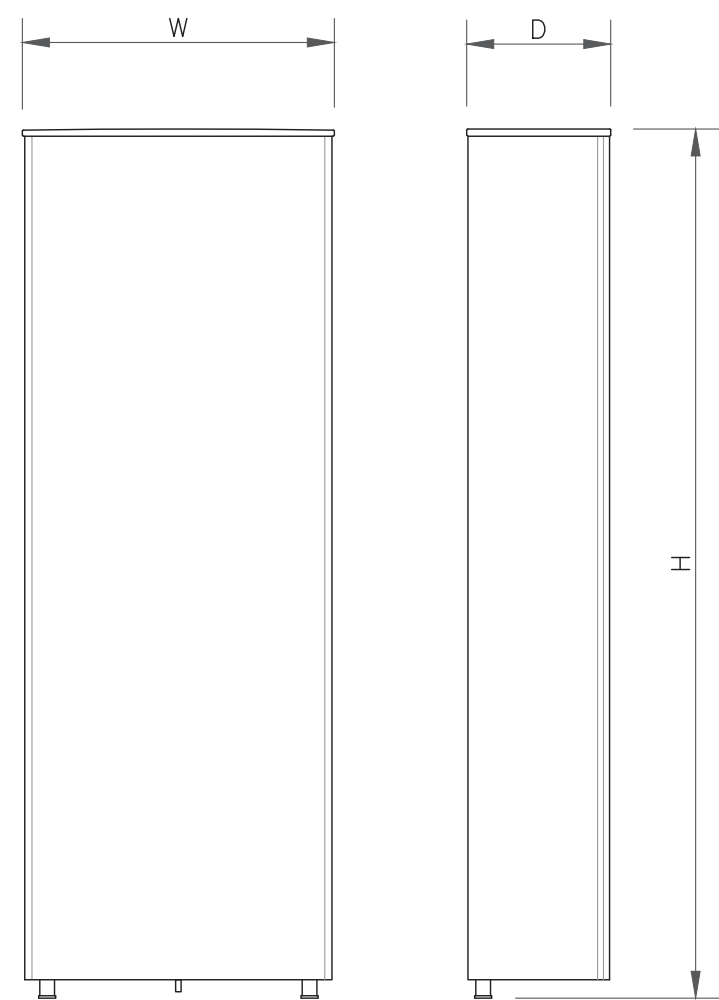
REVISION:

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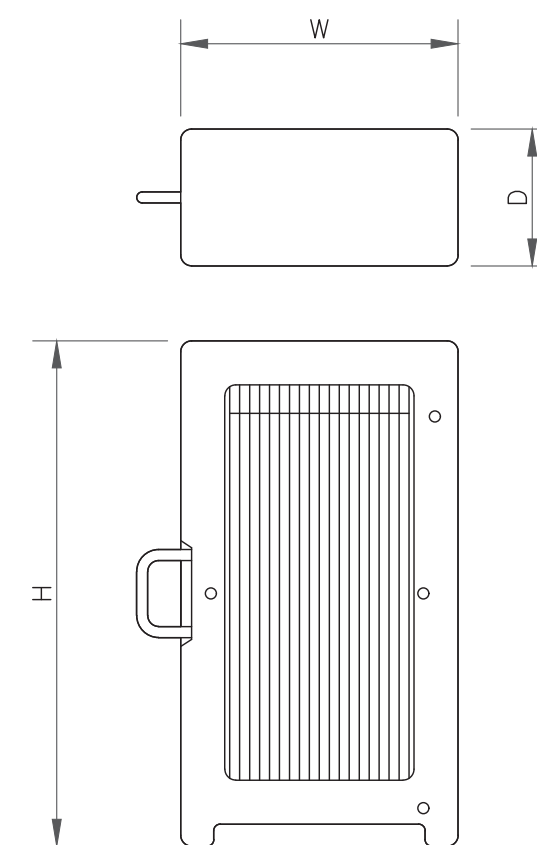
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



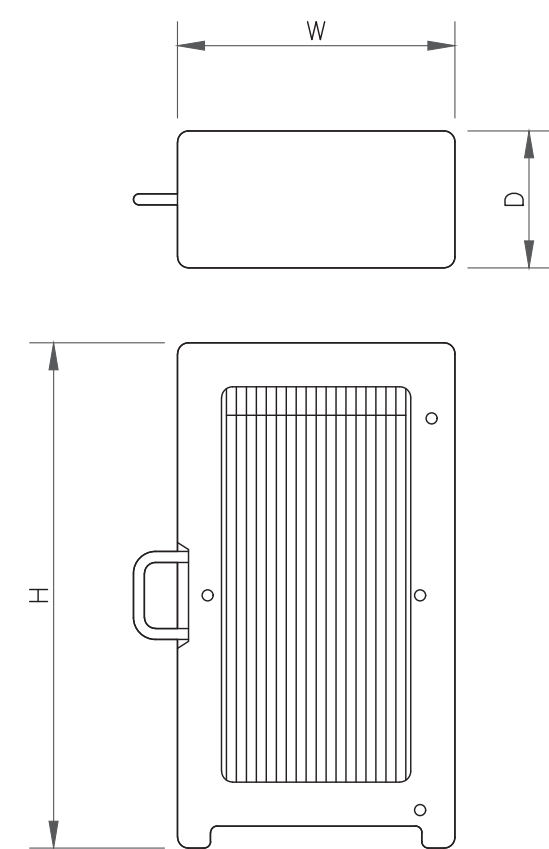
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	JAHH-65B-R3B
WIDTH	13.80"
DEPTH	8.20"
HEIGHT	72.00"
WEIGHT	63.30 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4439D-25A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.70 LBS

3 RRU SPECS
SCALE: NOT TO SCALE



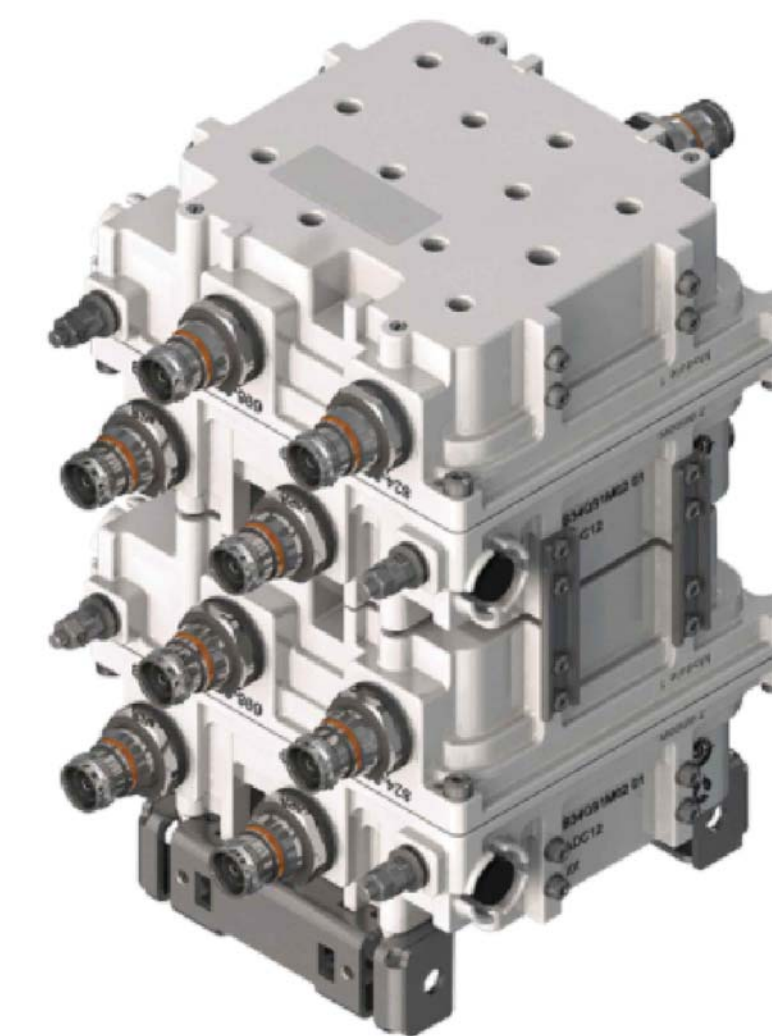
RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4440D-13A
WIDTH	14.96"
DEPTH	9.06"
HEIGHT	14.96"
WEIGHT	72.50 LBS

4 RRU SPECS
SCALE: NOT TO SCALE



OVP SPECIFICATIONS	
MANUFACTURER	RAYCAP
MODEL #	RVZDC-6627-PF-48
WIDTH	15.73"
DEPTH	10.31"
HEIGHT	28.93"
WEIGHT	32.00 LBS

5 OVP SPECS
SCALE: NOT TO SCALE



DIPLEXER SPECIFICATIONS	
MANUFACTURER	COMMSCOPE
MODEL #	CBC78T DS-43-2X
WIDTH	6.90"
DEPTH	9.60"
HEIGHT	6.40"
WEIGHT	20.70 LBS

6 DIPLEXER SPECS
SCALE: NOT TO SCALE

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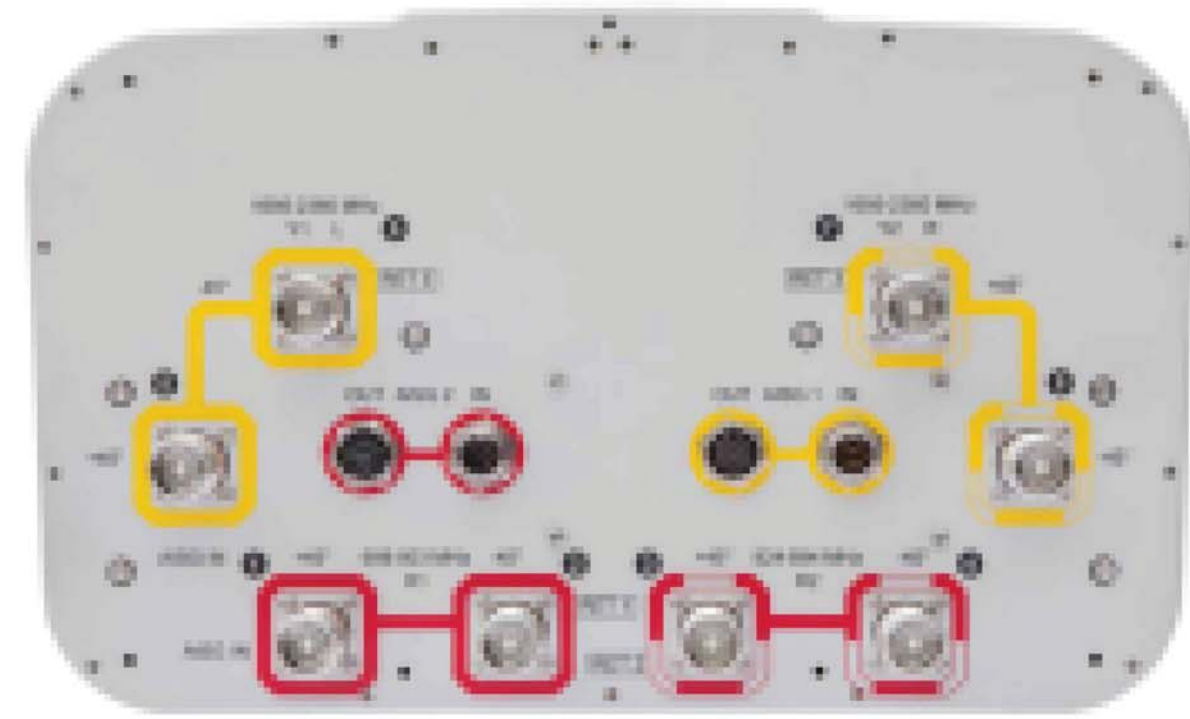
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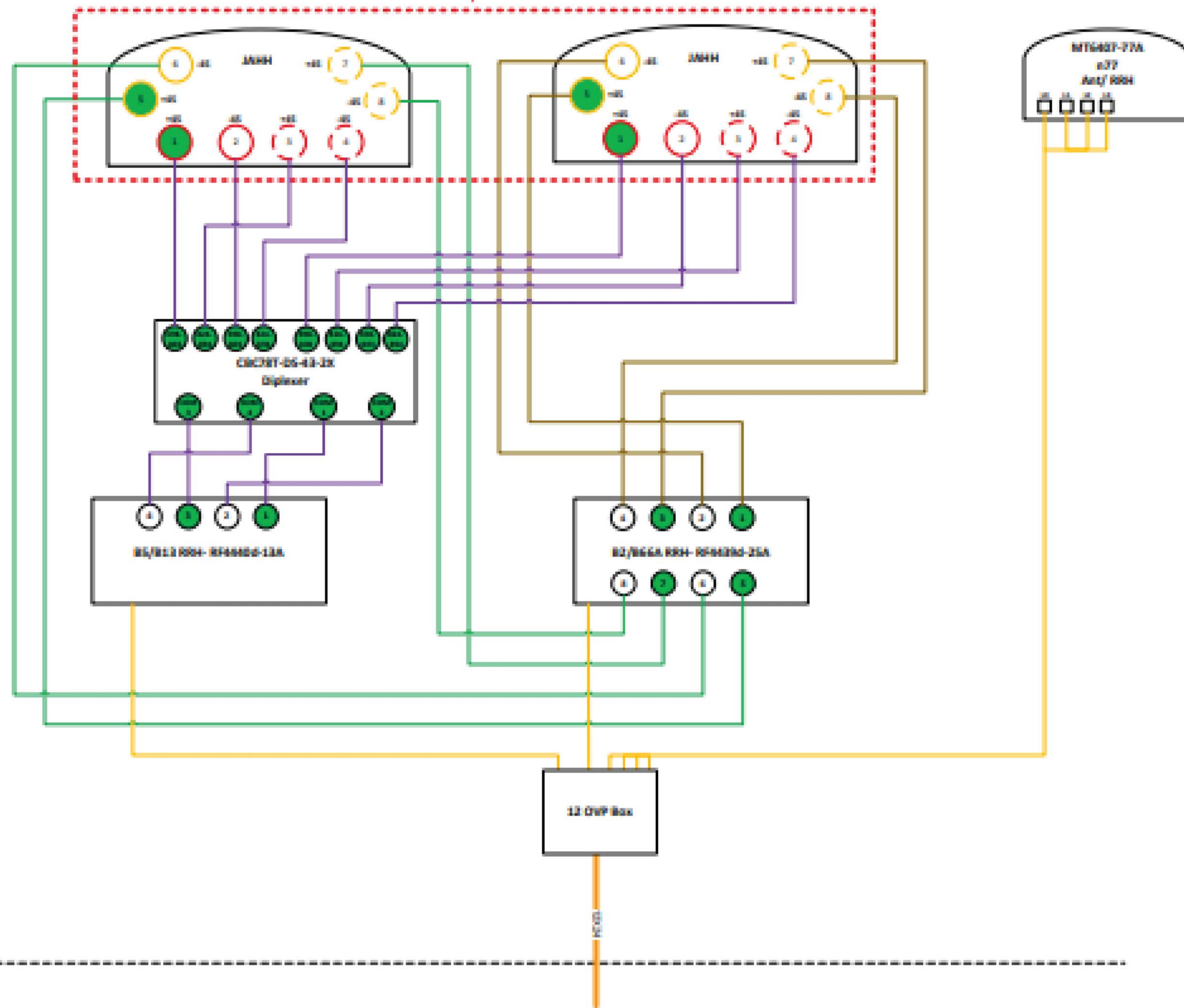
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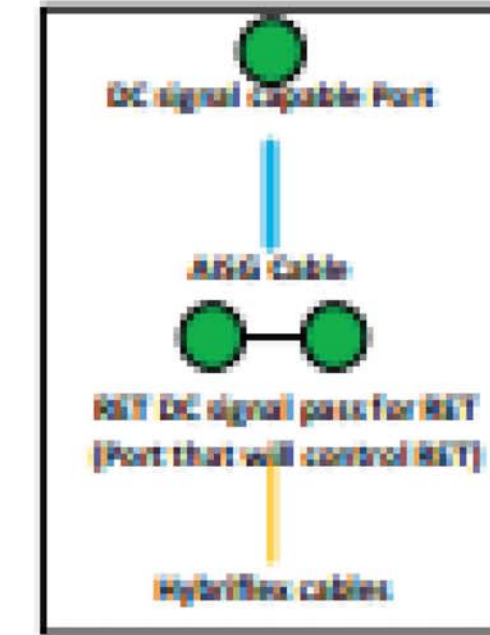
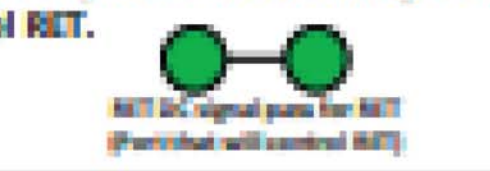
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DSAMNT-SBS-2-2



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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

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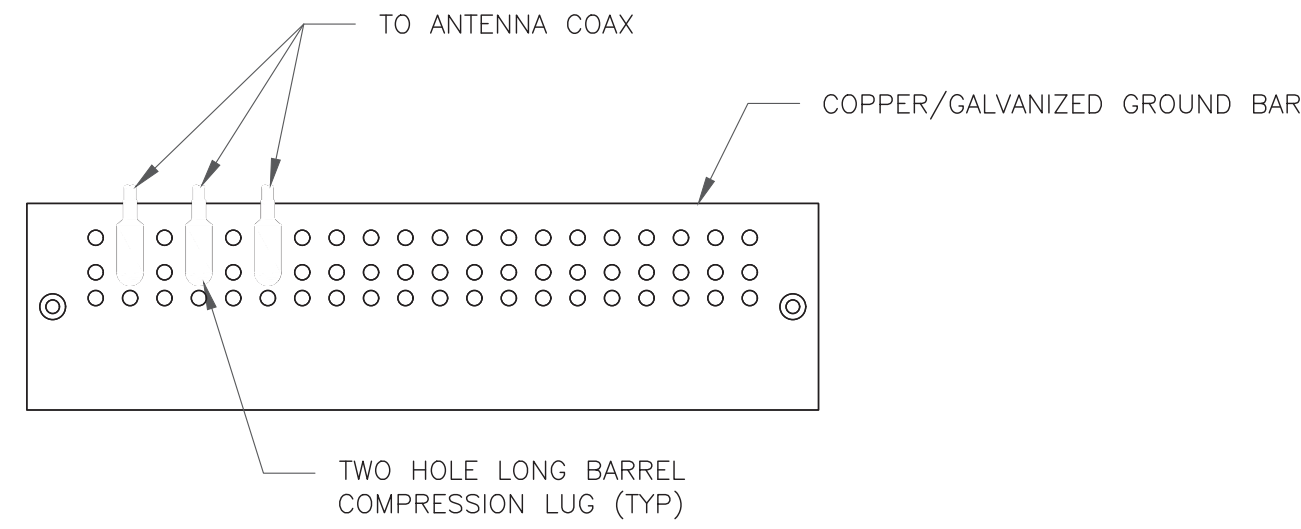
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SHEET NUMBER: **C-6** REVISION: **1**

1 PLUMBING DIAGRAM
 SCALE: NOT TO SCALE

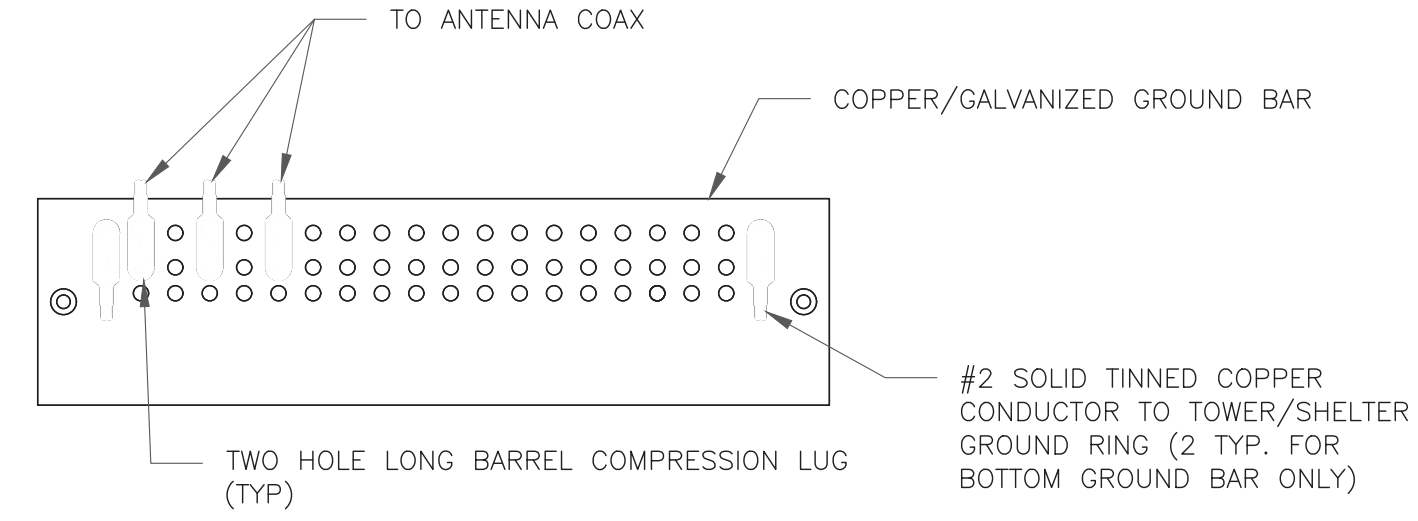
1:36:37.8, 01.01_TOWN OF PLAINFIELDSSUSA.dwg - SheetC-6 - User: tim.grove - Sep 28, 2021 - 8:55pm



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.

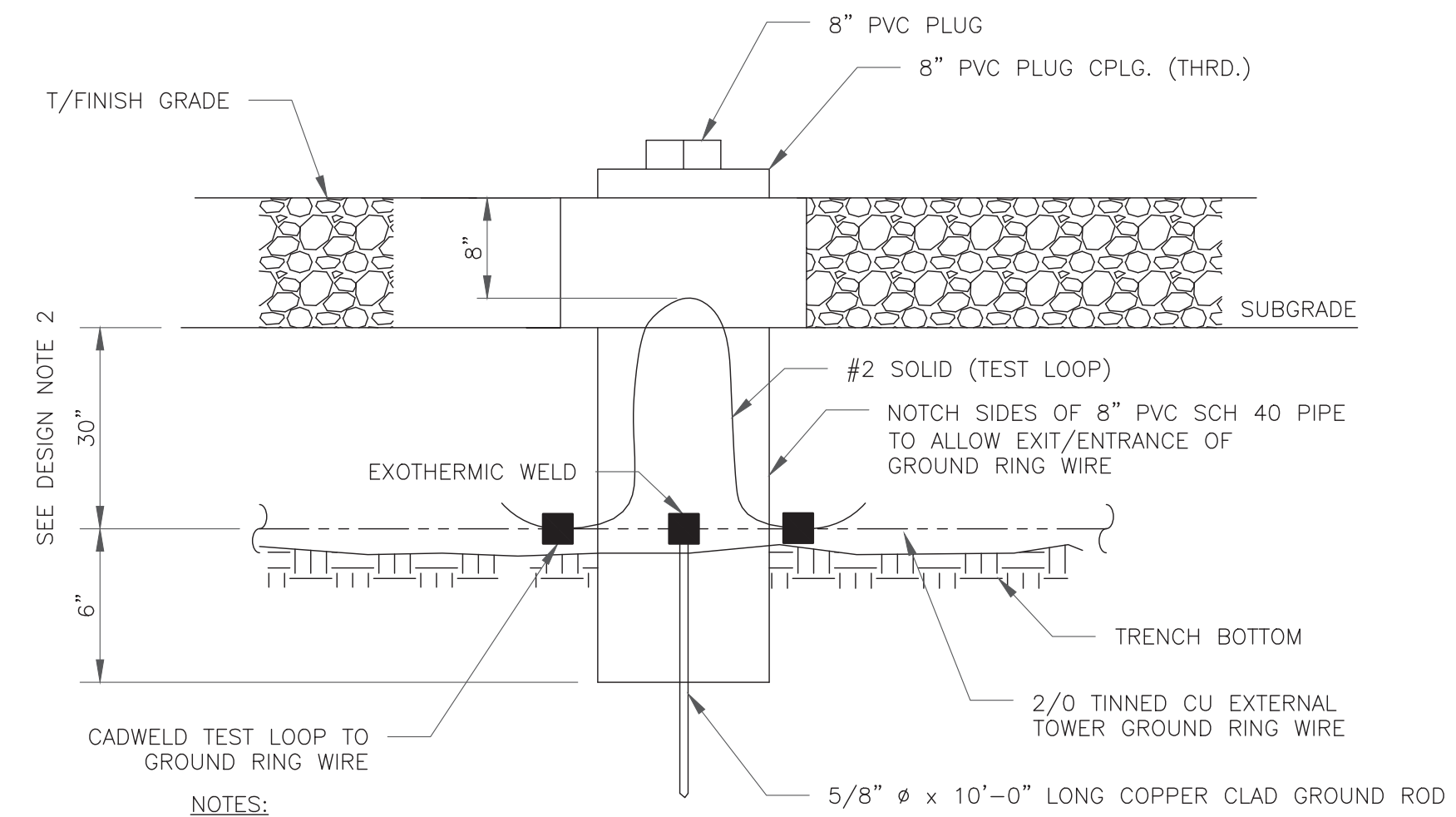
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

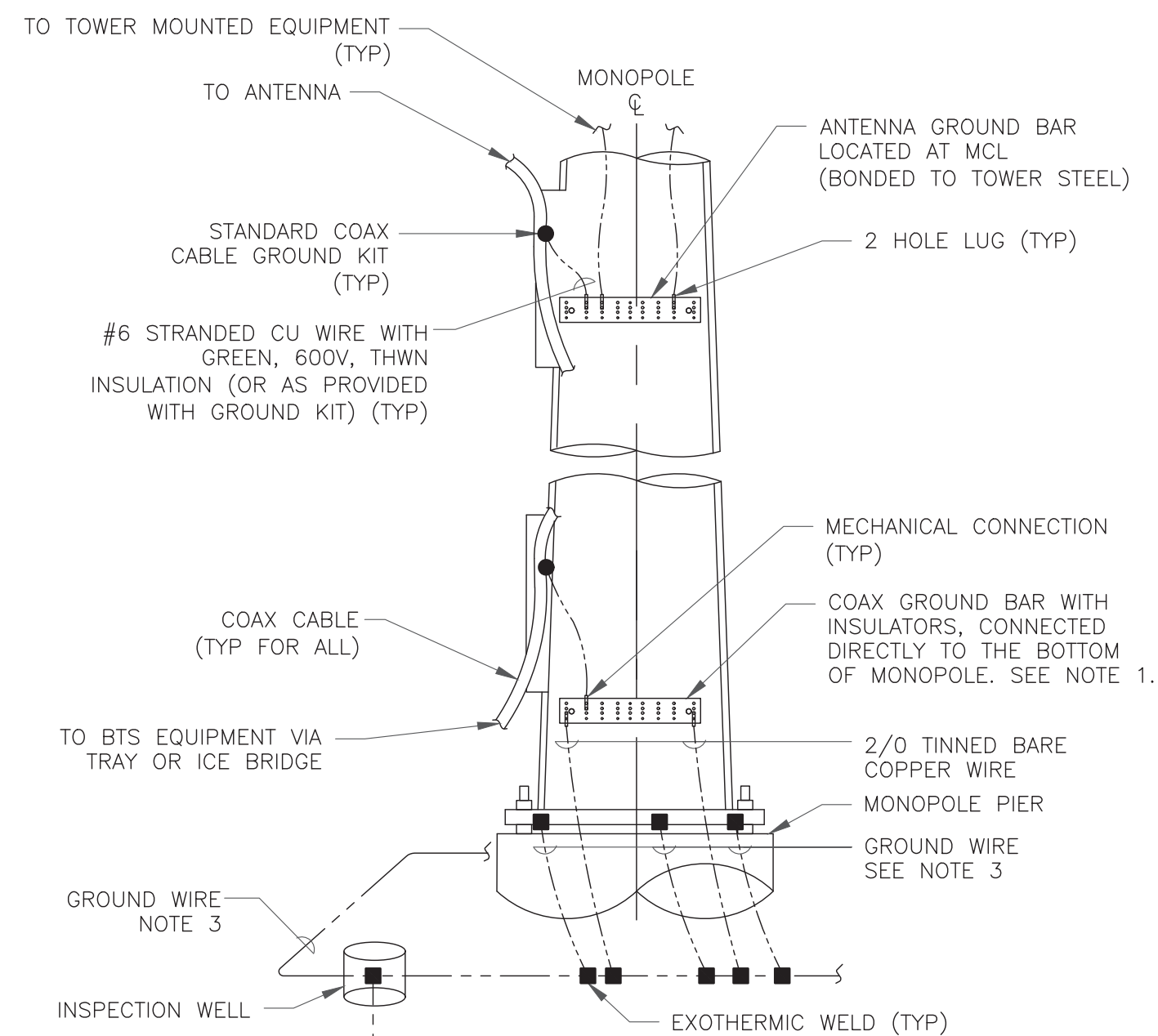
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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).

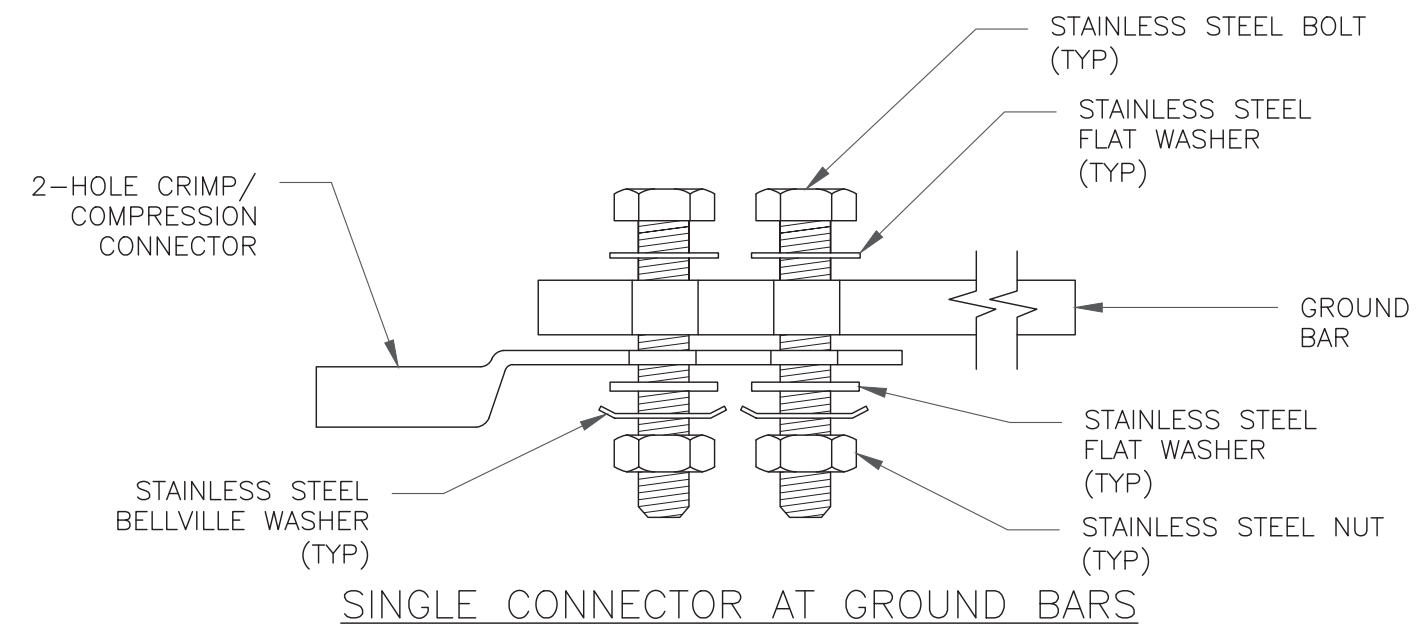
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



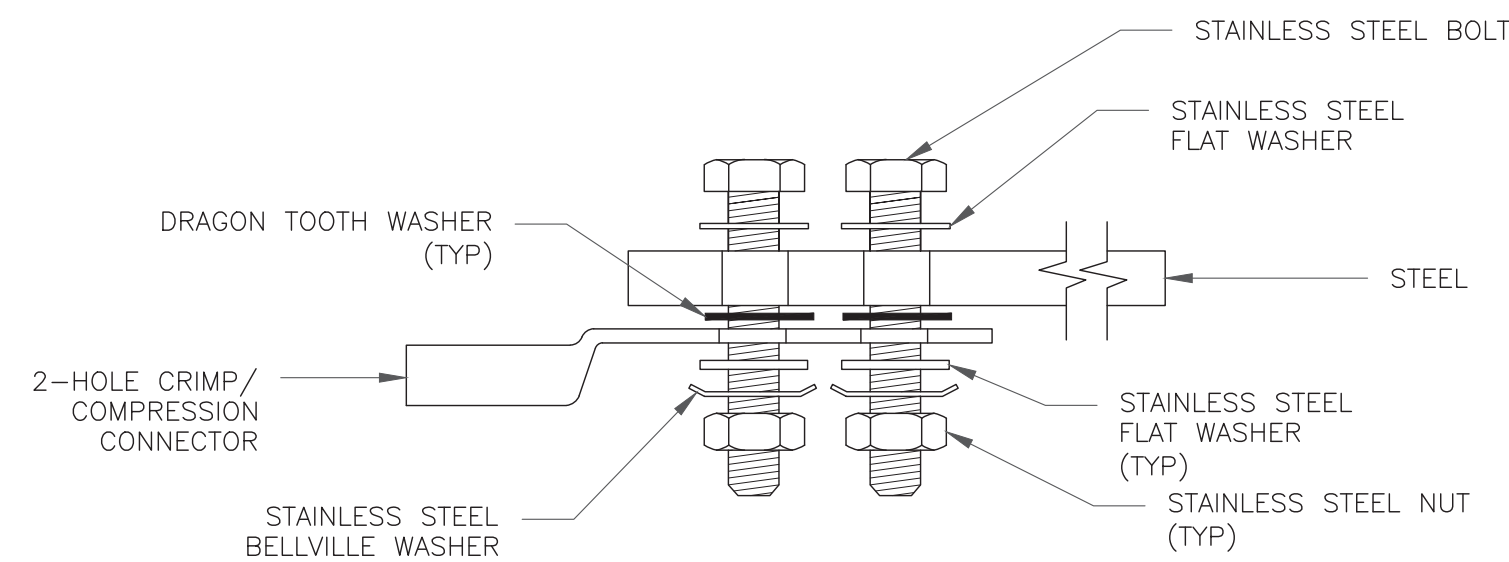
NOTES:

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.

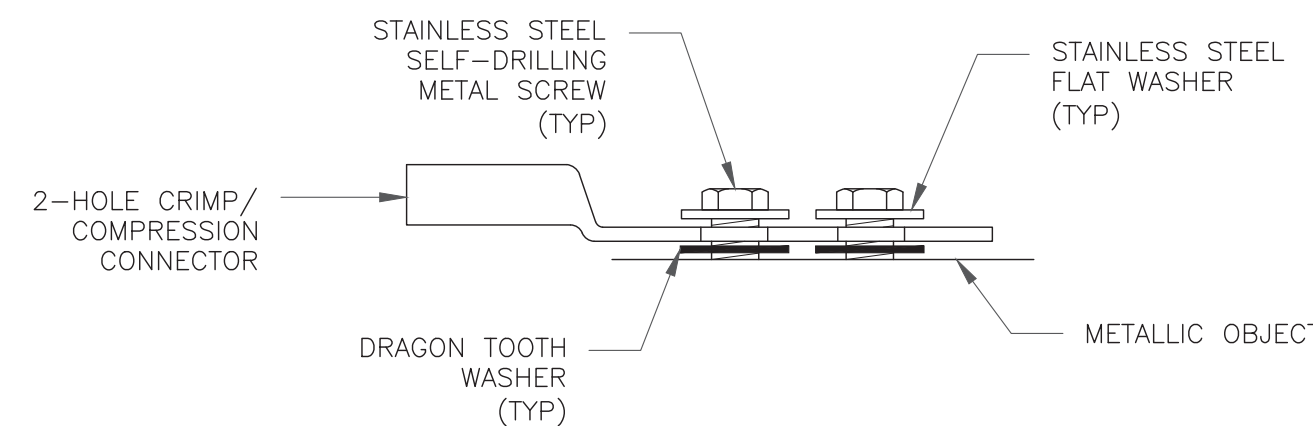
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

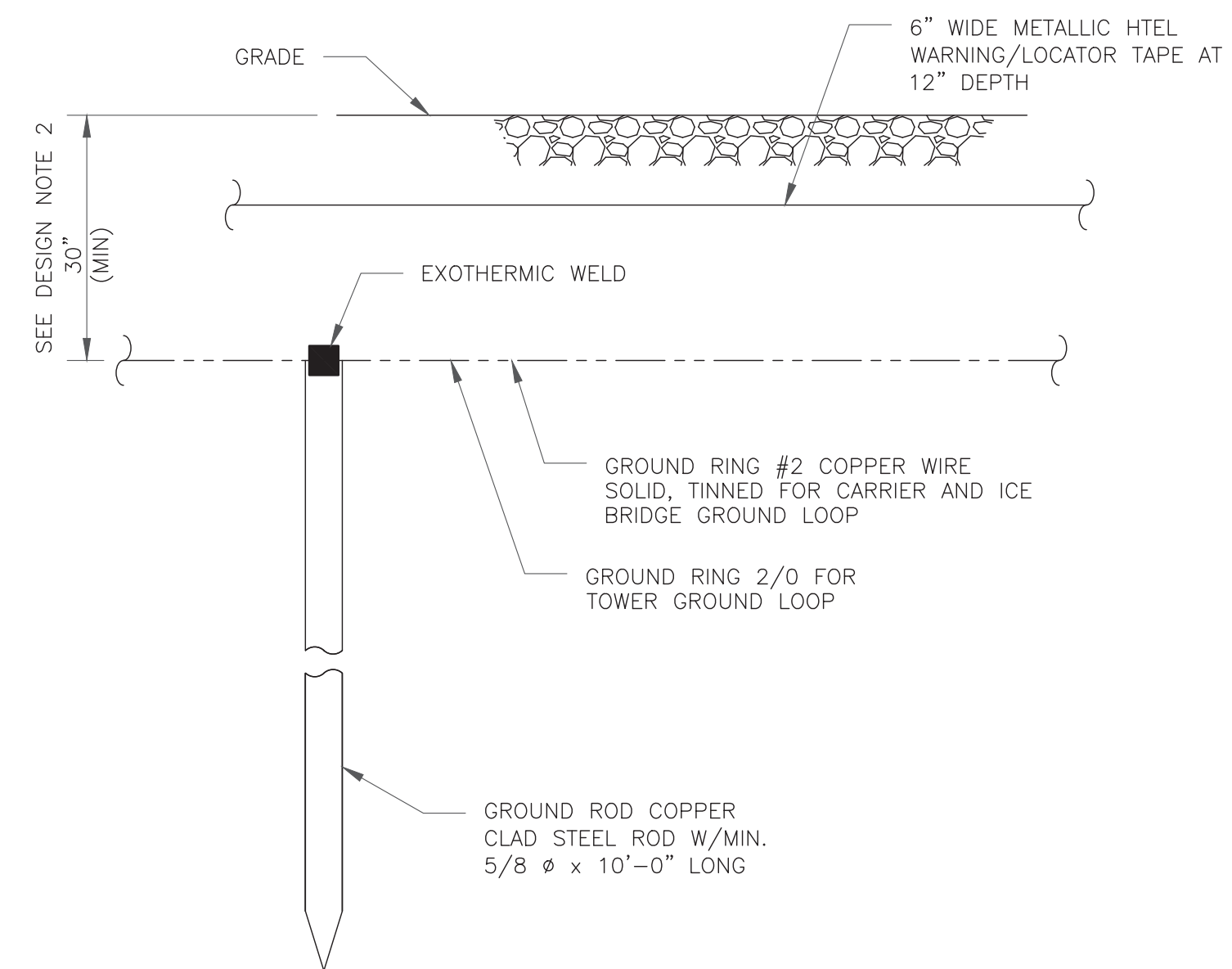


SINGLE CONNECTOR AT STEEL OBJECTS



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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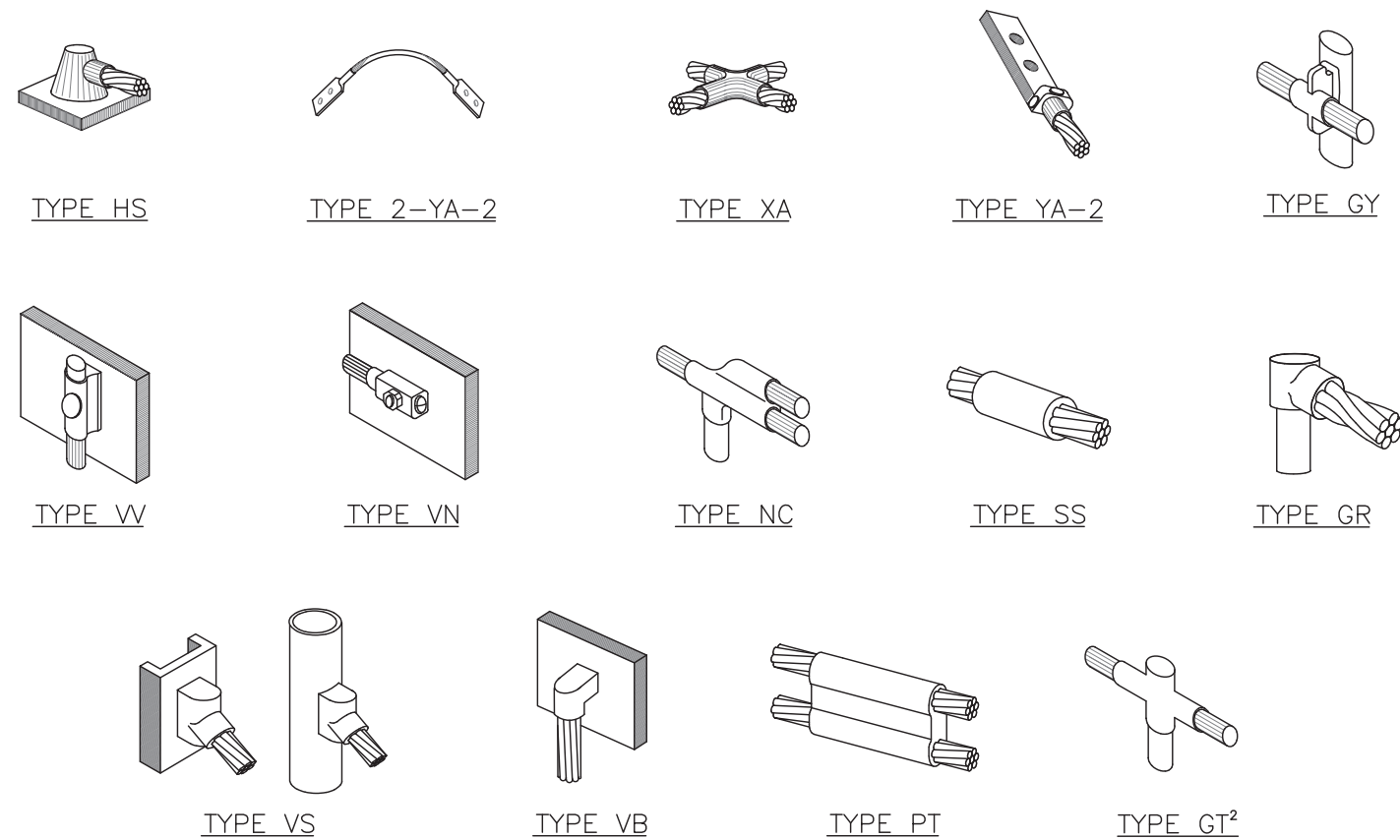
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REVISION:

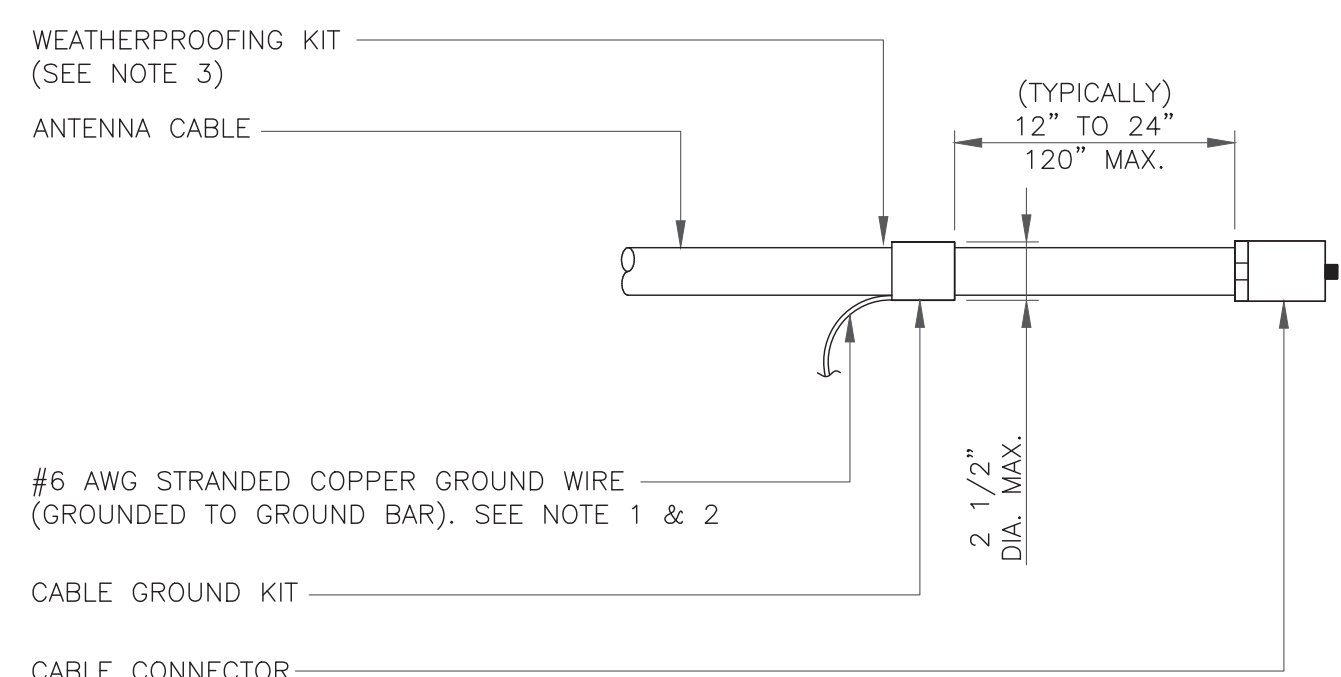
1



NOTE:

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

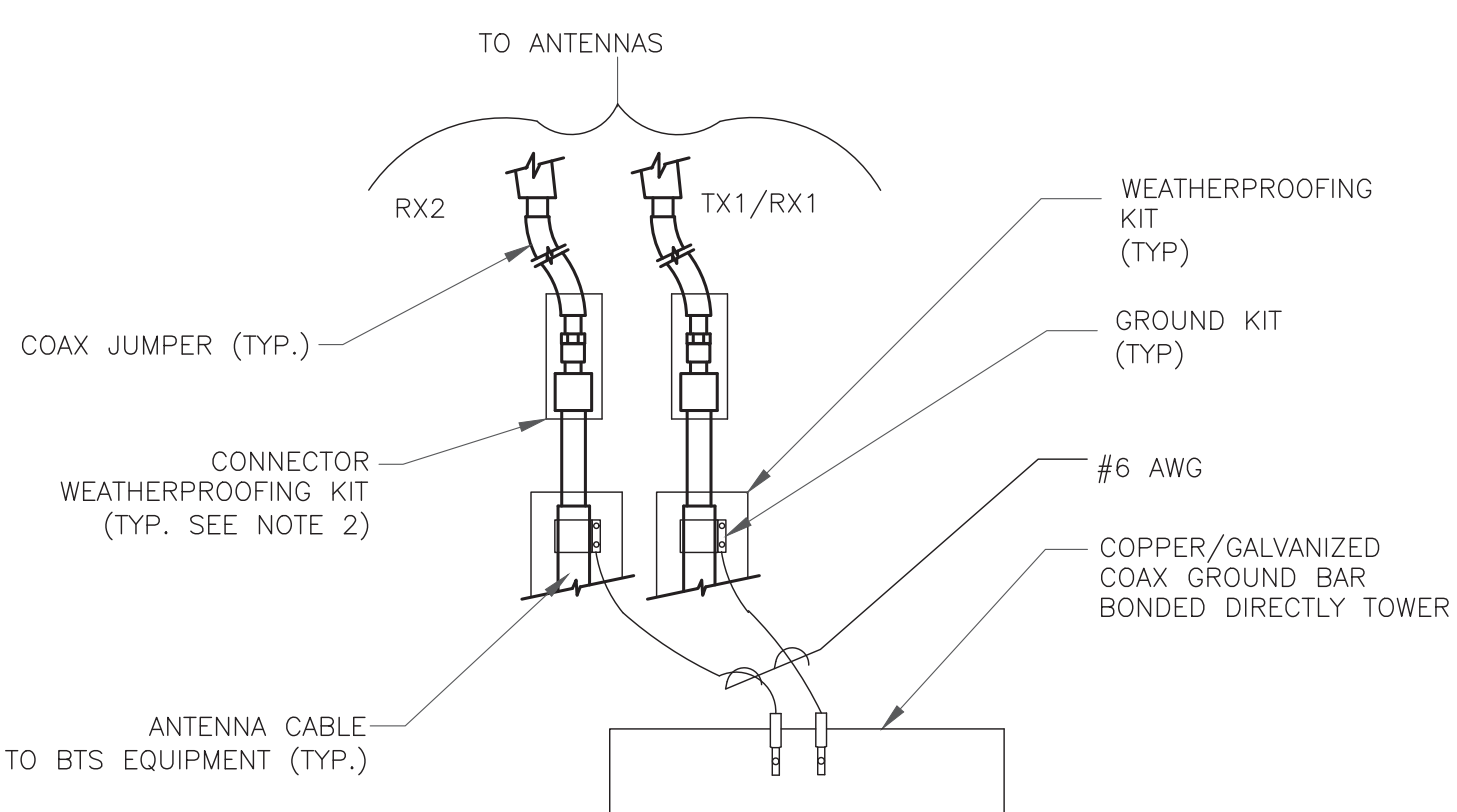
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

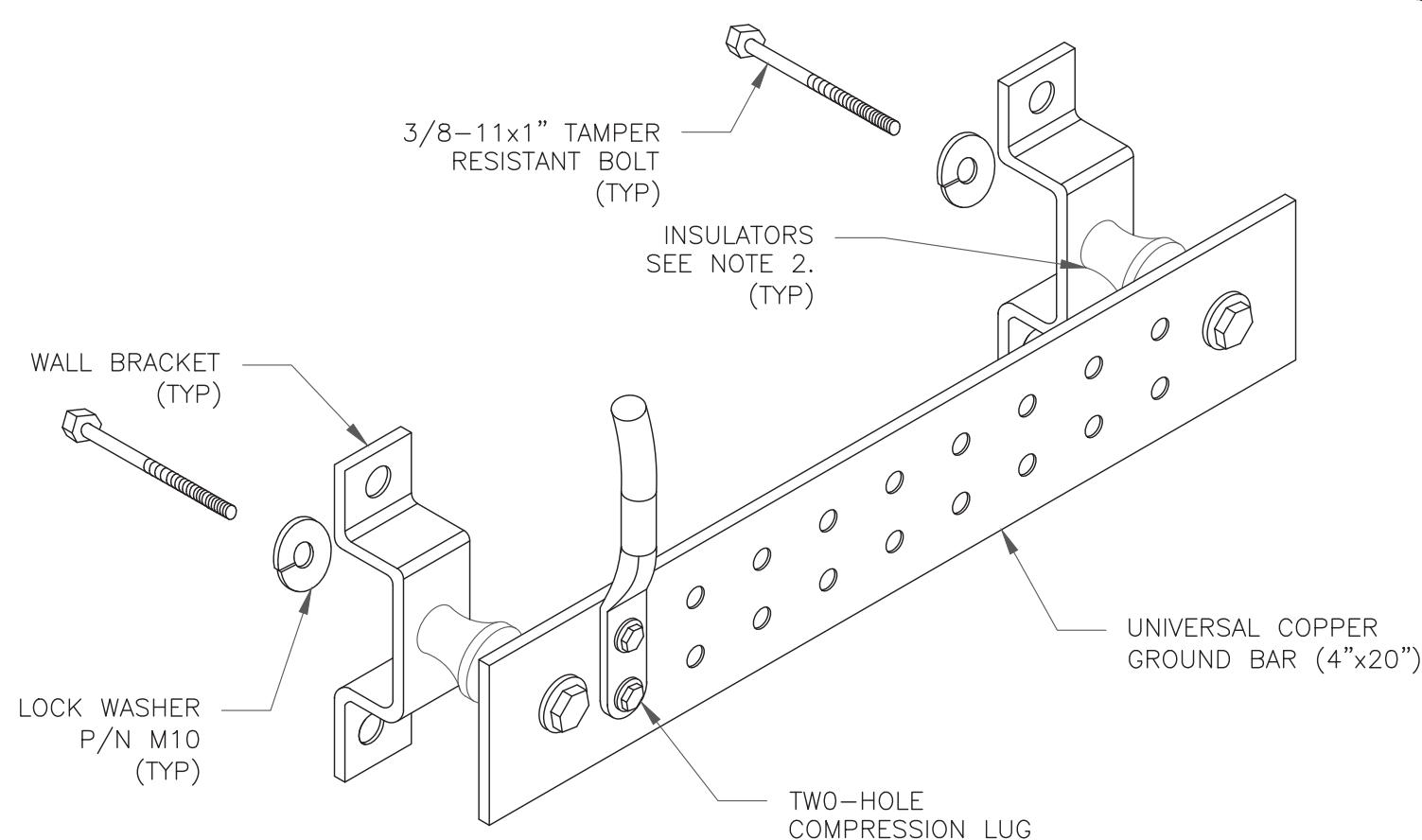
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. 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.

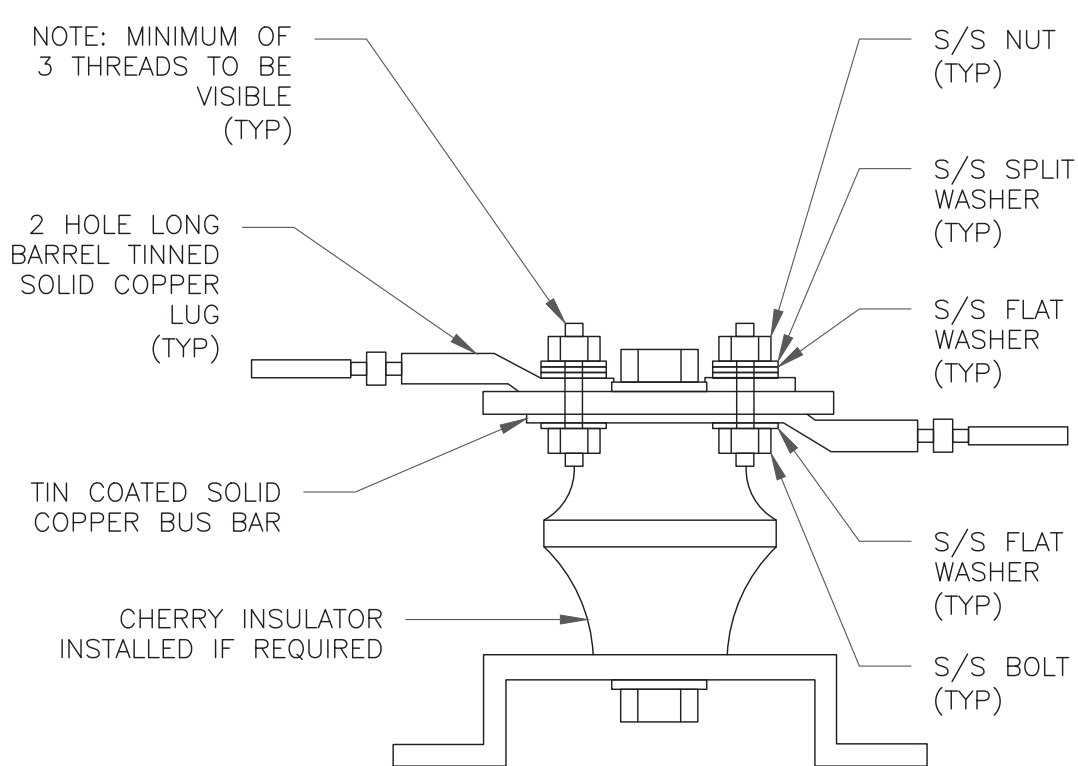
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



NOTES:

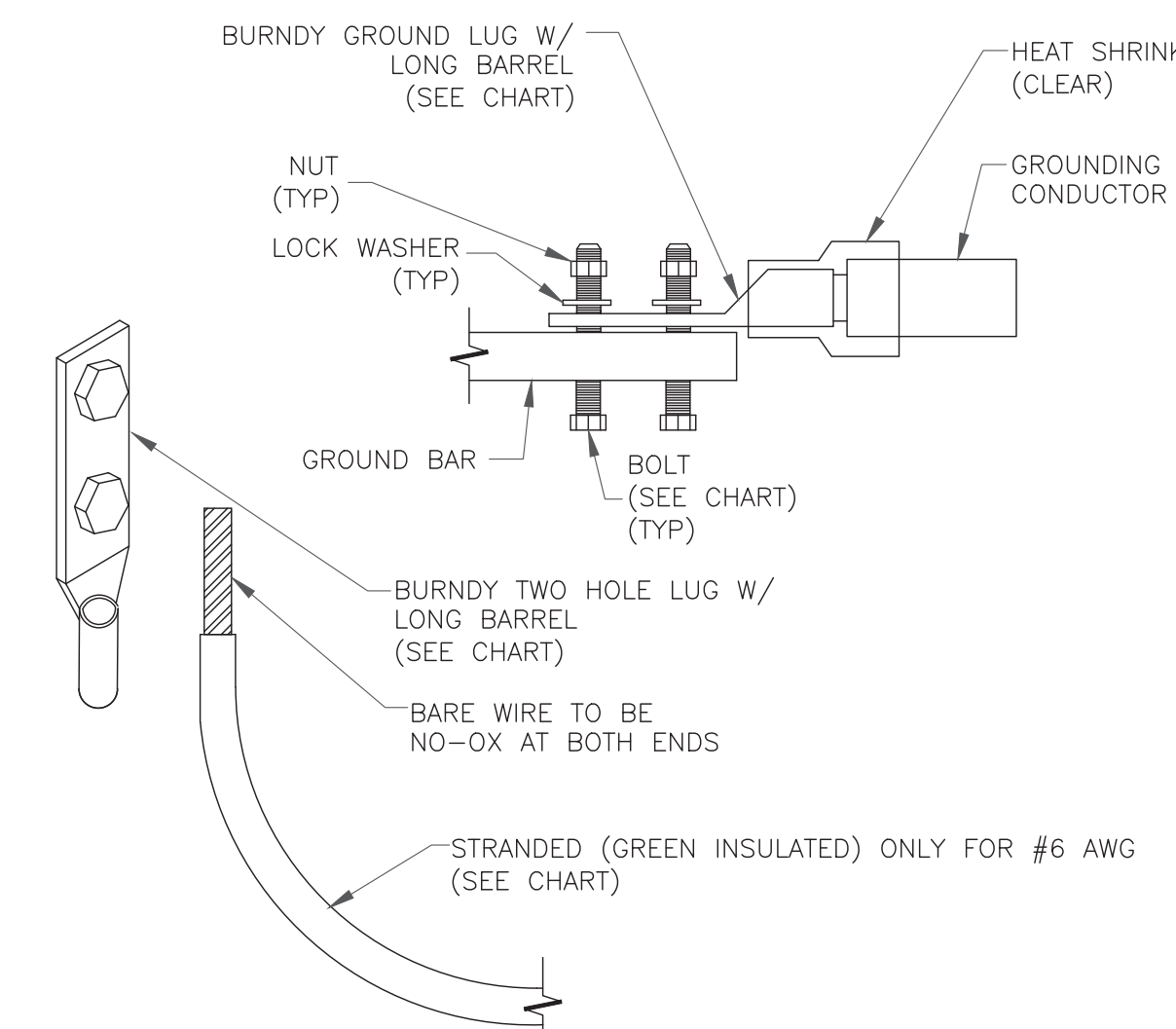
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

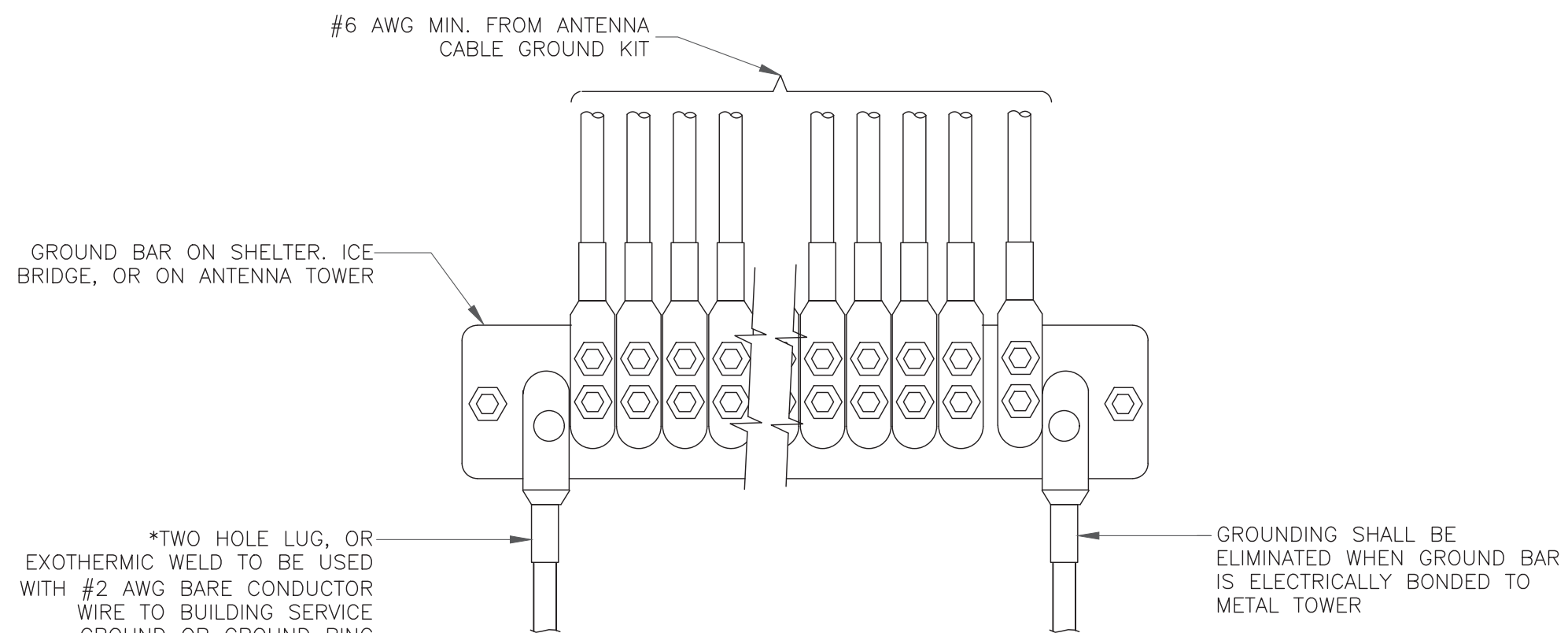
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



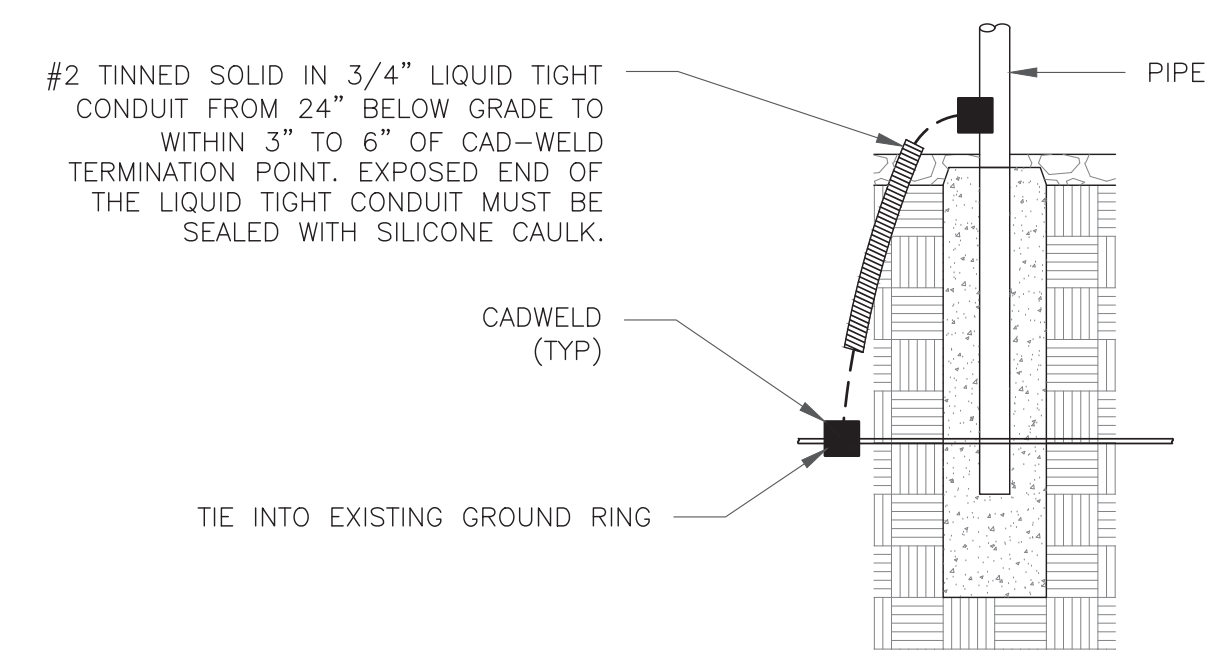
NOTES:

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

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:
469332

BU #: 876401
**TOWN OF
PLAINFIELD/SSUSA**

47-51 UNITY STREET
PLAINFIELD, CT 06374

EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/9/21	STH	CONSTRUCTION	STH
1	9/28/21	TDG	CONSTRUCTION	TDG

PROFESSIONAL ENGINEER
No. 23924
Expires 2/28/21

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

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

SHEET NUMBER: **G-2** REVISION: **1**

1:36378.010.01_TOWN OF PLAINFIELDSSUSA.dwg - SheetIG-2 - User: tim.grove - Sep 28, 2021 - 8:55pm

Exhibit D

Structural Analysis Report



Date: **August 27, 2021**

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

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 469332
Site Name: PLAINFIELD N 2 CT

Crown Castle Designation: **BU Number:** 876401
Site Name: TOWN OF PLAINFIELD/SSUSA
JDE Job Number: 684227
Work Order Number: 2012624
Order Number: 583854 Rev. 1

Engineering Firm Designation: **B+T Group Project Number:** 136378.008.01

Site Data: **47-51 Unity Street, Plainfield, Windham County, CT**
Latitude 41° 42' 54.49", Longitude -71° 53' 46.73"
160 Foot - Monopole Tower

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

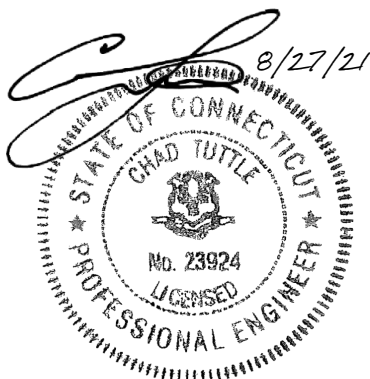
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity - 90.6%**

This analysis utilizes an ultimate 3-second gust wind speed of 135 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Carlon Bethell II

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



Chad E. Tuttle, P.E.

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6) APPENDIX B

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1) INTRODUCTION

This tower is a 160 ft. Monopole tower designed by EEI in May of 2003.

The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	135 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)
125.0	127.0	3	Commscope	CBC78T-DS-43-2X	2	1-5/8
		6	Commscope	JAHH-65B-R3B		
		1	Raycap	RVZDC-6627-PF-48		
		3	Samsung Telecom.	MT6407-77A		
		3	Samsung Telecom.	RF4439D-25A		
		3	Samsung Telecom.	RF4440D-13A		
	125.0	1	--	Platform Mount [LP 303-1]		
	3	Commscope	BSAMNT-SBS-2-2 Brackets			

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)
159.0	159.0	3	Alcatel Lucent	TD-RRH8x20-25	4	1-1/4
		3	RFS Celwave	APXVSP18-C-A20		
		3	RFS Celwave	APXVTM14-ALU-I20		
		1	--	Platform Mount [LP 714-1]		
157.0	159.0	3	Alcatel Lucent	800MHz 2X50W RRH W/FILTER	--	--
		3	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz		
	157.0	1	--	Pipe Mount [PM 601-3]		
		1	--	Side Arm Mount [SO 102-3]		
152.0	152.0	3	Ericsson	RRUS-11	--	--
		1	--	Pipe Mount [PM 601-3]		
		1	--	Side Arm Mount [SO 101-3]		
150.0	152.0	3	CCI Antennas	HPA-65R-BUU-H8	12	1-5/8
		3	Ericsson	RRUS 32 B2	2	7/16
		3	Powerwave Tech.	1001983	1	3/8

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		12	Powerwave Tech.	7020.00		
		6	Powerwave Tech.	7770.00		
		6	Powerwave Tech.	LGP21401		
		6	Powerwave Tech.	LGP21901		
	151.0	1	Raycap	DC6-48-60-18-8F		
	150.0	1	--	Platform Mount [LP 303-1]		
137.0	139.0	3	Ericsson	AIR6449 B41_T-MOBILE	3	1-5/8
	137.0	3	Ericsson	RADIO 4415 B66A_CCIV3		
		3	Ericsson	RADIO 4424 B25_TMO		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	RFS Celwave	APX16DWV-16DWV-S-E-A20		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
		1	--	Platform Mount [LP 303-1_KCKR-HR-1]		
114.0	1	Decibel	DB589	1	7/8	
109.0	1	--	Side Arm Mount [SO 201-1]			
	1	--	Side Arm Mount [SO 701-1]			

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	1615382	CCI Sites
Tower Modification Drawing	2266356	CCI Sites
Tower Modification Drawing	2819430	CCI Sites
Tower Modification Drawing	3667143	CCI Sites
Post Modification Inspection	3986355	CCI Sites
Tower Modification Drawing	5422409	CCI Sites
Post Modification Inspection	5666814	CCI Sites
Foundation Drawing	1615418	CCI Sites
Geotech Report	1610729	CCI Sites
Crown CAD Package	Date: 08/18/2021	CCI Sites

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	160 - 155	Pole	TP17.62x16.5x0.1875	1	-3.341	--	8.1	Pass
L2	155 - 150	Pole	TP18.741x17.62x0.1875	2	-4.178	--	16.8	Pass
L3	150 - 145	Pole	TP19.861x18.741x0.1875	3	-6.694	--	32.8	Pass
L4	145 - 140	Pole	TP20.981x19.861x0.1875	4	-7.051	--	44.3	Pass
L5	140 - 135	Pole	TP22.102x20.981x0.1875	5	-11.204	--	57.3	Pass
L6	135 - 130	Pole	TP23.222x22.102x0.1875	6	-11.677	--	70.7	Pass
L7	130 - 125.75	Pole	TP24.174x23.222x0.1875	7	-12.108	--	80.6	Pass
L8	125.75 - 125.5	Pole	TP24.23x24.174x0.1875	8	-12.148	--	81.2	Pass
L9	125.5 - 122.87	Pole	TP25.66x24.23x0.1875	9	-15.706	--	90.3	Pass
L10	122.87 - 117.87	Pole	TP25.544x24.445x0.25	10	-16.559	--	73.6	Pass
L11	117.87 - 117.75	Pole	TP25.57x25.544x0.25	11	-16.599	--	73.8	Pass
L12	117.75 - 117.5	Pole	TP25.625x25.57x0.25	12	-16.631	--	74.2	Pass
L13	117.5 - 112.5	Pole + Reinf.	TP26.725x25.625x0.475	13	-17.579	--	77.2	Pass
L14	112.5 - 107.5	Pole + Reinf.	TP27.824x26.725x0.4688	14	-18.747	--	84.6	Pass
L15	107.5 - 103	Pole + Reinf.	TP28.814x27.824x0.4625	15	-19.655	--	90.6	Pass
L16	103 - 102.75	Pole + Reinf.	TP28.869x28.814x0.55	16	-19.730	--	81.8	Pass
L17	102.75 - 100.21	Pole + Reinf.	TP29.427x28.869x0.5375	17	-20.356	--	84.6	Pass
L18	100.21 - 100.16	Pole + Reinf.	TP30.39x29.427x0.6875	18	-20.383	--	63.8	Pass
L19	100.16 - 94.83	Pole + Reinf.	TP30.119x28.937x0.7375	19	-22.937	--	64.0	Pass
L20	94.83 - 93.5	Pole + Reinf.	TP30.413x30.119x0.7375	20	-23.333	--	64.9	Pass
L21	93.5 - 93.25	Pole + Reinf.	TP30.469x30.413x0.9125	21	-23.431	--	53.5	Pass
L22	93.25 - 88.25	Pole + Reinf.	TP31.576x30.469x0.8875	22	-25.187	--	56.5	Pass
L23	88.25 - 87.25	Pole + Reinf.	TP31.798x31.576x0.8875	23	-25.545	--	57.1	Pass
L24	87.25 - 87	Pole + Reinf.	TP31.853x31.798x0.9375	24	-25.644	--	52.4	Pass
L25	87 - 86.5	Pole + Reinf.	TP31.964x31.853x0.925	25	-25.829	--	52.7	Pass
L26	86.5 - 86.25	Pole + Reinf.	TP32.02x31.964x0.7625	26	-25.911	--	61.0	Pass
L27	86.25 - 81.25	Pole + Reinf.	TP33.127x32.02x0.7375	27	-27.520	--	63.7	Pass
L28	81.25 - 76.25	Pole + Reinf.	TP34.235x33.127x0.725	28	-29.162	--	66.1	Pass
L29	76.25 - 75.42	Pole + Reinf.	TP34.42x34.235x0.725	29	-29.441	--	66.5	Pass
L30	75.42 - 75.17	Pole + Reinf.	TP34.475x34.42x0.8125	30	-29.539	--	59.2	Pass
L31	75.17 - 70.17	Pole + Reinf.	TP35.583x34.475x0.8	31	-31.371	--	61.3	Pass
L32	70.17 - 65.17	Pole + Reinf.	TP36.69x35.583x0.7875	32	-33.235	--	63.2	Pass
L33	65.17 - 60.17	Pole + Reinf.	TP37.798x36.69x0.7625	33	-35.126	--	65.0	Pass
L34	60.17 - 57	Pole + Reinf.	TP38.5x37.798x0.75	34	-36.339	--	66.1	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L35	57 - 56.75	Pole + Reinf.	TP38.555x38.5x0.75	35	-36.443	--	66.2	Pass
L36	56.75 - 53	Pole + Reinf.	TP39.386x38.555x0.7375	36	-37.885	--	67.4	Pass
L37	53 - 52.79	Pole + Reinf.	TP40.67x39.386x0.7375	37	-37.983	--	67.8	Pass
L38	52.79 - 46.2	Pole + Reinf.	TP40.266x38.808x0.7625	38	-42.809	--	67.2	Pass
L39	46.2 - 41.2	Pole + Reinf.	TP41.374x40.266x0.75	39	-44.944	--	68.4	Pass
L40	41.2 - 39.33	Pole + Reinf.	TP41.788x41.374x0.75	40	-45.745	--	68.8	Pass
L41	39.33 - 39.08	Pole + Reinf.	TP41.843x41.788x0.825	41	-45.877	--	62.8	Pass
L42	39.08 - 37.75	Pole + Reinf.	TP42.139x41.843x0.825	42	-46.493	--	63.1	Pass
L43	37.75 - 37.5	Pole + Reinf.	TP42.194x42.139x0.75	43	-46.611	--	69.2	Pass
L44	37.5 - 32.5	Pole + Reinf.	TP43.301x42.194x0.725	44	-48.790	--	70.2	Pass
L45	32.5 - 27.5	Pole + Reinf.	TP44.409x43.301x0.725	45	-50.576	--	71.2	Pass
L46	27.5 - 27.25	Pole + Reinf.	TP44.464x44.409x0.725	46	-51.016	--	71.2	Pass
L47	27.25 - 27	Pole + Reinf.	TP44.52x44.464x0.725	47	-51.128	--	71.2	Pass
L48	27 - 22	Pole + Reinf.	TP45.627x44.52x0.7125	48	-51.248	--	72.1	Pass
L49	22 - 21.25	Pole + Reinf.	TP45.793x45.627x0.7125	49	-53.491	--	72.2	Pass
L50	21.25 - 21	Pole + Reinf.	TP45.849x45.793x0.725	50	-53.827	--	67.9	Pass
L51	21 - 17	Pole + Reinf.	TP46.735x45.849x0.7125	51	-53.958	--	68.5	Pass
L52	17 - 16.75	Pole + Reinf.	TP46.79x46.735x0.7	52	-55.946	--	74.2	Pass
L53	16.75 - 16.25	Pole + Reinf.	TP46.901x46.79x0.7	53	-56.068	--	74.3	Pass
L54	16.25 - 16	Pole + Reinf.	TP46.956x46.901x0.775	54	-56.304	--	70.9	Pass
L55	16 - 11	Pole + Reinf.	TP48.064x46.956x0.75	55	-56.440	--	71.7	Pass
L56	11 - 6	Pole + Reinf.	TP49.171x48.064x0.75	56	-59.021	--	72.3	Pass
L57	6 - 1	Pole + Reinf.	TP50.279x49.171x0.7375	57	-61.629	--	72.9	Pass
L58	1 - 0	Pole + Reinf.	TP50.5x50.279x0.525	58	-64.269	--	79.3	Pass
							Summary	
						Pole (L9)	90.3	Pass
						Reinforcement	90.6	Pass
						Rating =	90.6	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rod Brackets	Base	39.1	Pass
1,2	Anchor Rods	Base	52.4	Pass
1,2	Base Plate	Base	60.8	Pass
1,2	Base Foundation (Structure)	Base	71.3	Pass
1,2	Base Foundation (Soil Interaction)	Base	29.0	Pass

Structure Rating (max from all components) =	90.6%
---	--------------

Notes:

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

4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Vx

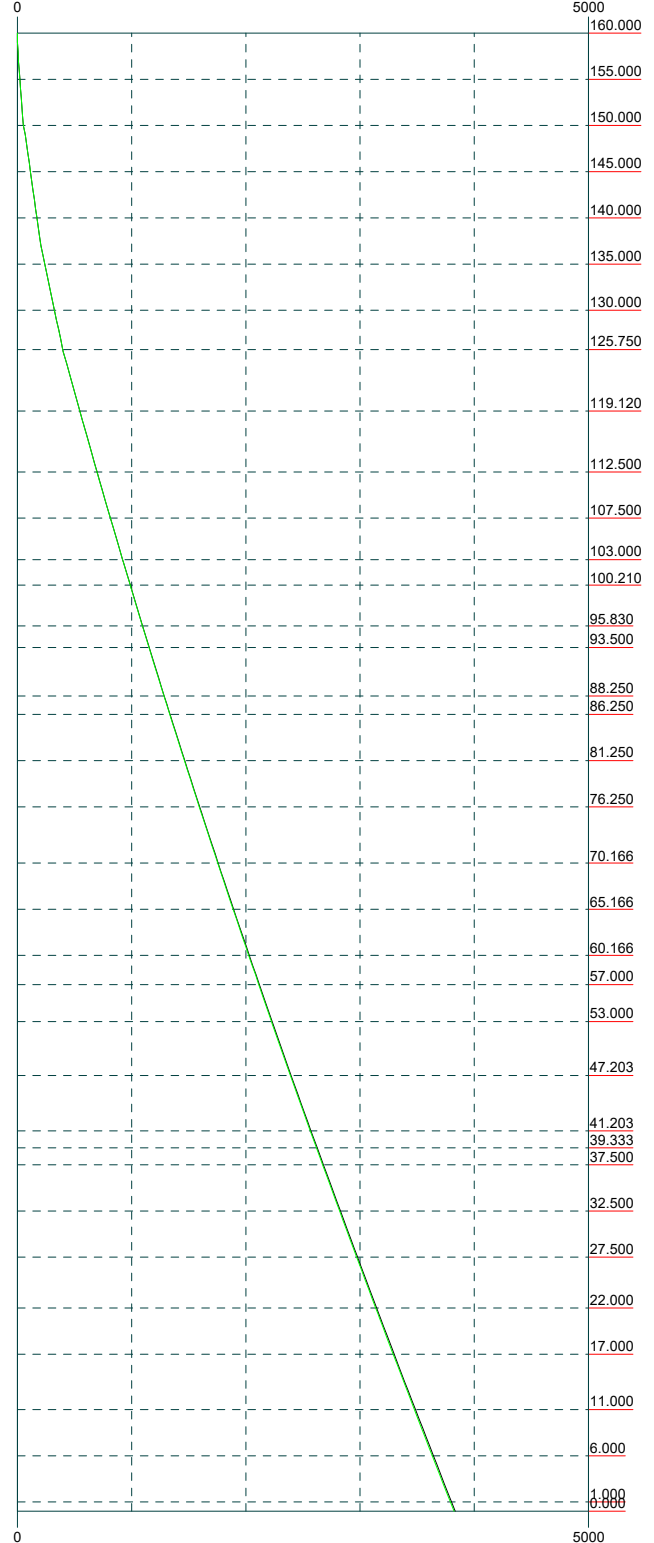
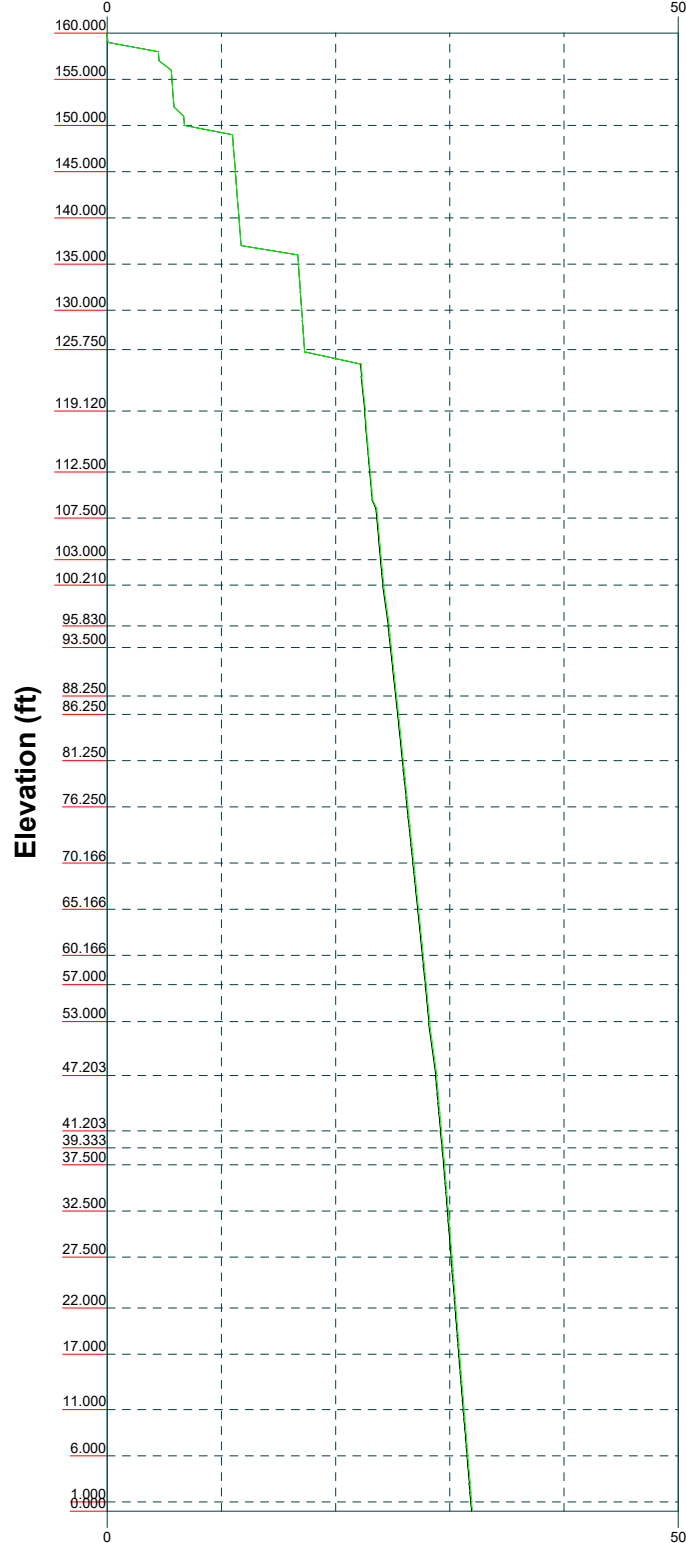
Vz

Mx

Mz

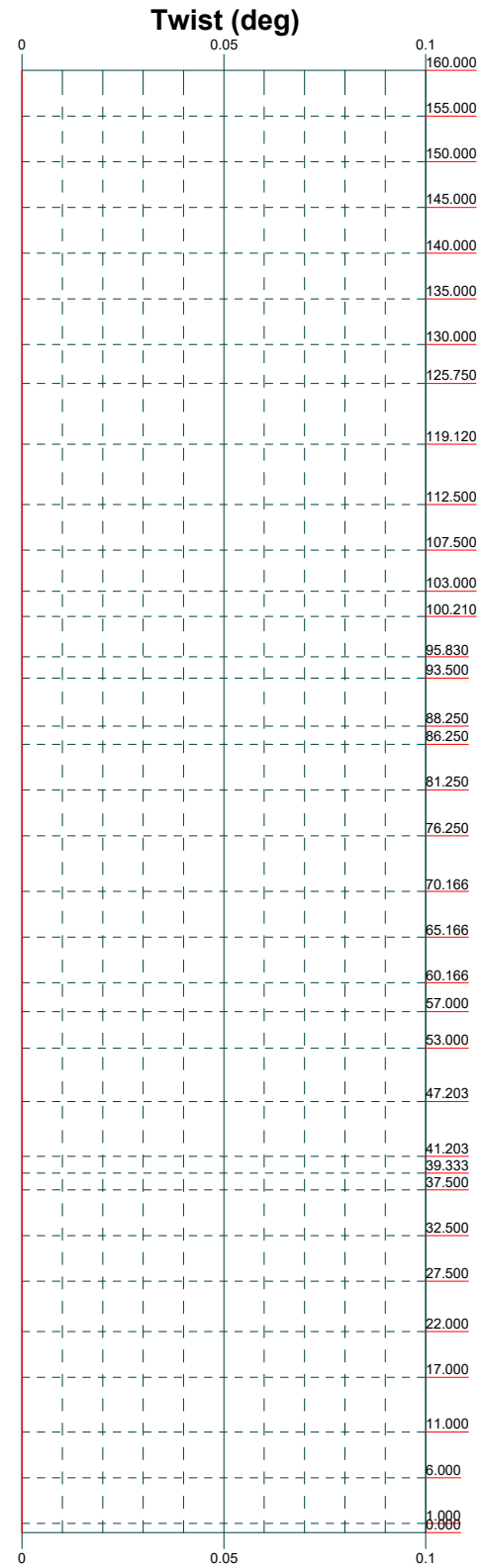
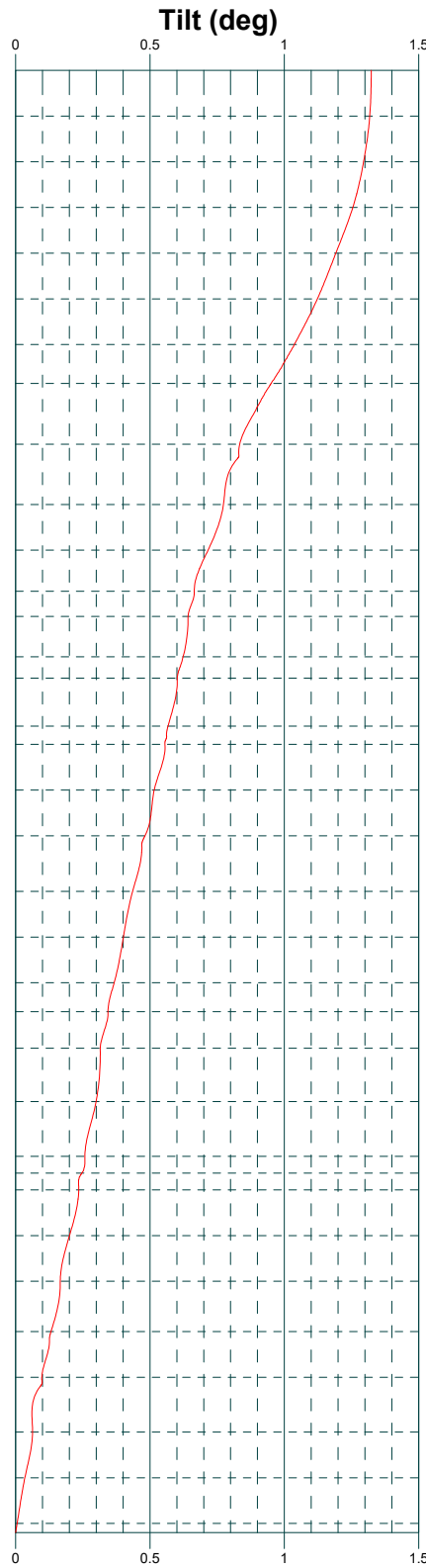
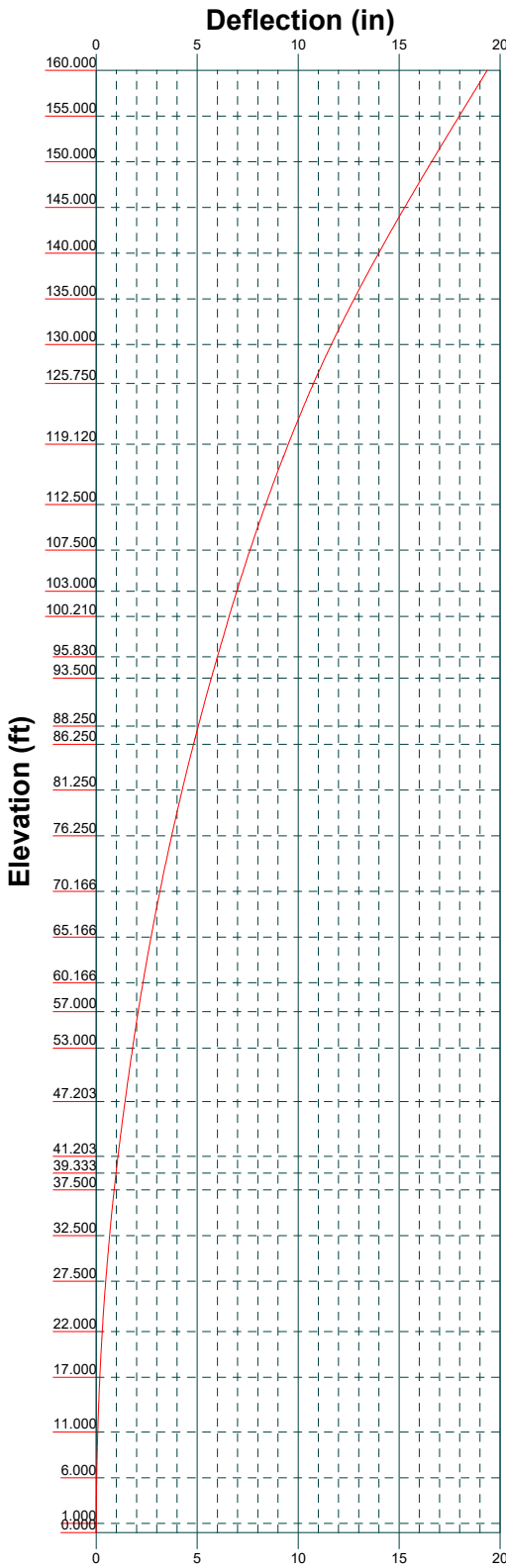
Global Mast Shear (K)


Global Mast Moment (kip-ft)



B+T Group
 1717 S. Boulder, Suite 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

Job: 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 87640)		
Project:		
Client: Crown Castle	Drawn by: V. RAO	App'd:
Code: TIA-222-H	Date: 08/25/21	Scale: NTS
Path:	Dwg No. E-4	

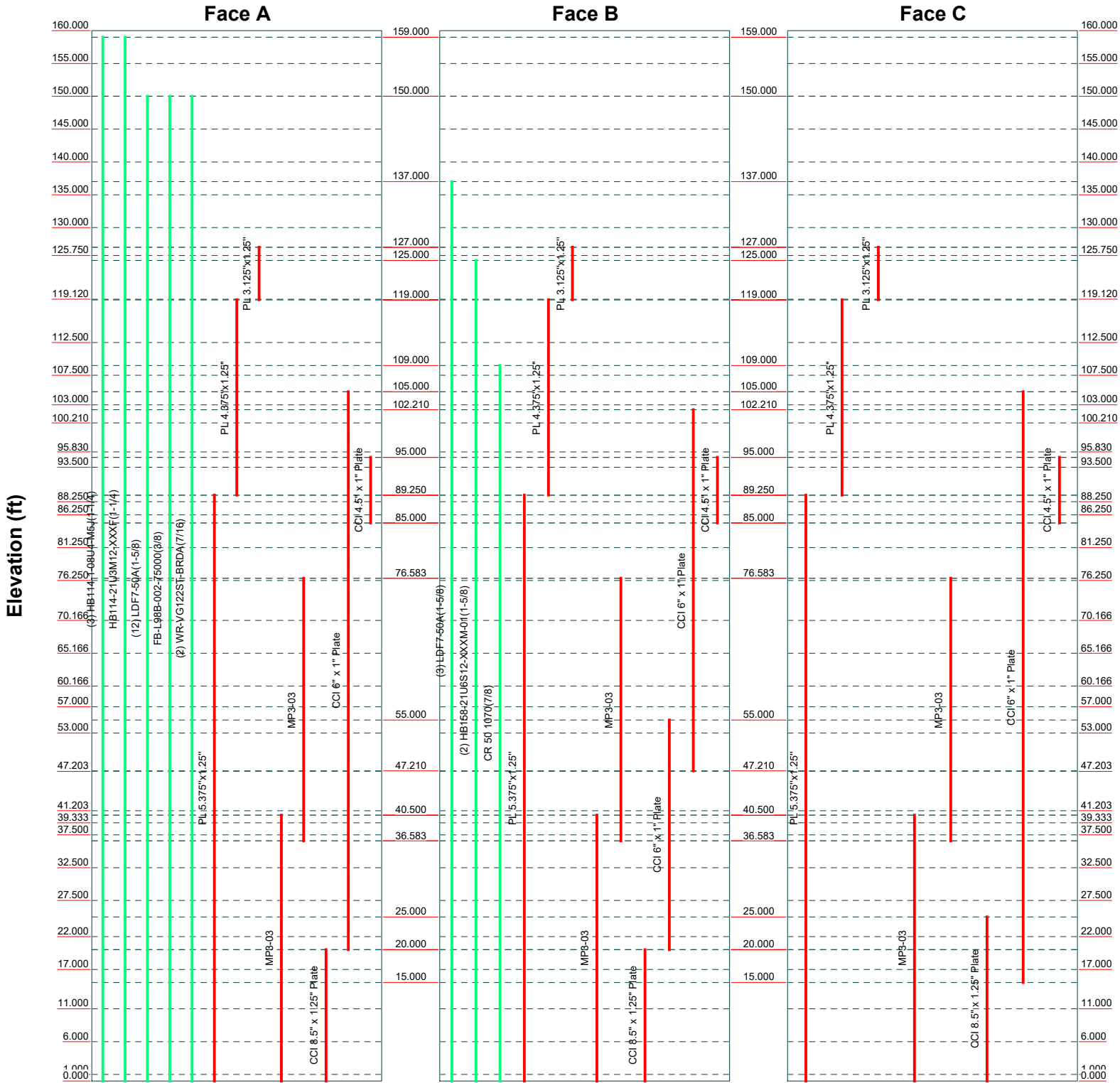


 <p>B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	Job: 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 87640)		
	Project:		
	Client: Crown Castle	Drawn by: V. RAO	App'd:
	Code: TIA-222-H	Date: 08/25/21	Scale: NTS
	Path:	Dwg No. E-5	

Feed Line Distribution Chart

0' - 160'

— Round
 — Flat
 — App In Face
 — App Out Face
 — Truss Leg



<p>B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	Job: 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 87640)		
	Project:		
	Client: Crown Castle	Drawn by: V. RAO	App'd:
	Code: TIA-222-H	Date: 08/25/21	Scale: NTS
	Path:	Dwg No. E-7	

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)	Page 1 of 64
	Project	Date 14:37:33 08/25/21
	Client Crown Castle	Designed by V. RAO

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 Windham County, Connecticut.

Tower base elevation above sea level: 219.000 ft.

Basic wind speed of 135 mph.

Risk Category II.

Exposure Category B.

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

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 1.500 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

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

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

TIA-222-H Annex S.

TOWER RATING: 90.6%.

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 <li style="background-color: #e0e0e0;">Poles √ 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
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tnxTower

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Project	Date 14:37:33 08/25/21
Client Crown Castle	Designed by V. RAO

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	160.000-155.000	5.000	0.000	18	16.500	17.620	0.188	0.750	A572-65 (65 ksi)
L2	155.000-150.000	5.000	0.000	18	17.620	18.741	0.188	0.750	A572-65 (65 ksi)
L3	150.000-145.000	5.000	0.000	18	18.741	19.861	0.188	0.750	A572-65 (65 ksi)
L4	145.000-140.000	5.000	0.000	18	19.861	20.981	0.188	0.750	A572-65 (65 ksi)
L5	140.000-135.000	5.000	0.000	18	20.981	22.102	0.188	0.750	A572-65 (65 ksi)
L6	135.000-130.000	5.000	0.000	18	22.102	23.222	0.188	0.750	A572-65 (65 ksi)
L7	130.000-125.750	4.250	0.000	18	23.222	24.174	0.188	0.750	A572-65 (65 ksi)
L8	125.750-125.500	0.250	0.000	18	24.174	24.230	0.188	0.750	A572-65 (65 ksi)
L9	125.500-119.120	6.380	3.750	18	24.230	25.660	0.188	0.750	A572-65 (65 ksi)
L10	119.120-117.870	5.000	0.000	18	24.445	25.544	0.250	1.000	A572-65 (65 ksi)
L11	117.870-117.750	0.120	0.000	18	25.544	25.570	0.250	1.000	A572-65 (65 ksi)
L12	117.750-117.500	0.250	0.000	18	25.570	25.625	0.250	1.000	A572-65 (65 ksi)
L13	117.500-112.500	5.000	0.000	18	25.625	26.725	0.475	1.900	A572-65 (65 ksi)
L14	112.500-107.500	5.000	0.000	18	26.725	27.824	0.469	1.875	A572-65 (65 ksi)
L15	107.500-103.000	4.500	0.000	18	27.824	28.814	0.463	1.850	A572-65 (65 ksi)
L16	103.000-102.750	0.250	0.000	18	28.814	28.869	0.550	2.200	A572-65 (65 ksi)
L17	102.750-100.210	2.540	0.000	18	28.869	29.427	0.537	2.150	A572-65 (65 ksi)
L18	100.210-95.830	4.380	4.333	18	29.427	30.390	0.688	2.750	A572-65 (65 ksi)
L19	95.830-94.830	5.333	0.000	18	28.937	30.119	0.738	2.950	A572-65 (65 ksi)
L20	94.830-93.500	1.330	0.000	18	30.119	30.413	0.738	2.950	A572-65 (65 ksi)
L21	93.500-93.250	0.250	0.000	18	30.413	30.469	0.912	3.650	A572-65 (65 ksi)
L22	93.250-88.250	5.000	0.000	18	30.469	31.576	0.887	3.550	A572-65 (65 ksi)
L23	88.250-87.250	1.000	0.000	18	31.576	31.798	0.887	3.550	A572-65 (65 ksi)
L24	87.250-87.000	0.250	0.000	18	31.798	31.853	0.938	3.750	A572-65 (65 ksi)
L25	87.000-86.500	0.500	0.000	18	31.853	31.964	0.925	3.700	A572-65 (65 ksi)
L26	86.500-86.250	0.250	0.000	18	31.964	32.020	0.762	3.050	A572-65 (65 ksi)
L27	86.250-81.250	5.000	0.000	18	32.020	33.127	0.738	2.950	A572-65 (65 ksi)
L28	81.250-76.250	5.000	0.000	18	33.127	34.235	0.725	2.900	A572-65 (65 ksi)

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Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)	Page 3 of 64
Project	Date 14:37:33 08/25/21
Client Crown Castle	Designed by V. RAO

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L29	76.250-75.416	0.834	0.000	18	34.235	34.420	0.725	2.900	A572-65 (65 ksi)
L30	75.416-75.166	0.250	0.000	18	34.420	34.475	0.813	3.250	A572-65 (65 ksi)
L31	75.166-70.166	5.000	0.000	18	34.475	35.583	0.800	3.200	A572-65 (65 ksi)
L32	70.166-65.166	5.000	0.000	18	35.583	36.690	0.787	3.150	A572-65 (65 ksi)
L33	65.166-60.166	5.000	0.000	18	36.690	37.798	0.762	3.050	A572-65 (65 ksi)
L34	60.166-57.000	3.166	0.000	18	37.798	38.500	0.750	3.000	A572-65 (65 ksi)
L35	57.000-56.750	0.250	0.000	18	38.500	38.555	0.750	3.000	A572-65 (65 ksi)
L36	56.750-53.000	3.750	0.000	18	38.555	39.386	0.738	2.950	A572-65 (65 ksi)
L37	53.000-47.203	5.797	5.583	18	39.386	40.670	0.738	2.950	A572-65 (65 ksi)
L38	47.203-46.203	6.583	0.000	18	38.808	40.266	0.762	3.050	A572-65 (65 ksi)
L39	46.203-41.203	5.000	0.000	18	40.266	41.374	0.750	3.000	A572-65 (65 ksi)
L40	41.203-39.333	1.870	0.000	18	41.374	41.788	0.750	3.000	A572-65 (65 ksi)
L41	39.333-39.083	0.250	0.000	18	41.788	41.843	0.825	3.300	A572-65 (65 ksi)
L42	39.083-37.750	1.333	0.000	18	41.843	42.139	0.825	3.300	A572-65 (65 ksi)
L43	37.750-37.500	0.250	0.000	18	42.139	42.194	0.750	3.000	A572-65 (65 ksi)
L44	37.500-32.500	5.000	0.000	18	42.194	43.301	0.725	2.900	A572-65 (65 ksi)
L45	32.500-27.500	5.000	0.000	18	43.301	44.409	0.725	2.900	A572-65 (65 ksi)
L46	27.500-27.250	0.250	0.000	18	44.409	44.464	0.725	2.900	A572-65 (65 ksi)
L47	27.250-27.000	0.250	0.000	18	44.464	44.520	0.725	2.900	A572-65 (65 ksi)
L48	27.000-22.000	5.000	0.000	18	44.520	45.627	0.713	2.850	A572-65 (65 ksi)
L49	22.000-21.250	0.750	0.000	18	45.627	45.793	0.713	2.850	A572-65 (65 ksi)
L50	21.250-21.000	0.250	0.000	18	45.793	45.849	0.725	2.900	A572-65 (65 ksi)
L51	21.000-17.000	4.000	0.000	18	45.849	46.735	0.713	2.850	A572-65 (65 ksi)
L52	17.000-16.750	0.250	0.000	18	46.735	46.790	0.700	2.800	A572-65 (65 ksi)
L53	16.750-16.250	0.500	0.000	18	46.790	46.901	0.700	2.800	A572-65 (65 ksi)
L54	16.250-16.000	0.250	0.000	18	46.901	46.956	0.775	3.100	A572-65 (65 ksi)
L55	16.000-11.000	5.000	0.000	18	46.956	48.064	0.750	3.000	A572-65 (65 ksi)
L56	11.000-6.000	5.000	0.000	18	48.064	49.171	0.750	3.000	A572-65 (65 ksi)
L57	6.000-1.000	5.000	0.000	18	49.171	50.279	0.738	2.950	A572-65 (65 ksi)
L58	1.000-0.000	1.000		18	50.279	50.500	0.525	2.100	A572-65 (65 ksi)

<p>tnxTower</p> <p>B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	<p>Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)</p>	<p>Page 4 of 64</p>
	<p>Project</p>	<p>Date 14:37:33 08/25/21</p>
	<p>Client Crown Castle</p>	<p>Designed by V. RAO</p>

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	Iw/Q in ²	w in	w/t
L1	16.726	9.708	326.368	5.791	8.382	38.937	653.165	4.855	2.574	13.728
	17.863	10.375	398.337	6.189	8.951	44.501	797.199	5.188	2.771	14.78
L2	17.863	10.375	398.337	6.189	8.951	44.501	797.199	5.188	2.771	14.78
	19.001	11.041	480.178	6.586	9.520	50.437	960.988	5.522	2.968	15.831
L3	19.001	11.041	480.178	6.586	9.520	50.437	960.988	5.522	2.968	15.831
	20.139	11.708	572.525	6.984	10.089	56.745	1145.803	5.855	3.166	16.883
L4	20.139	11.708	572.525	6.984	10.089	56.745	1145.803	5.855	3.166	16.883
	21.276	12.375	676.011	7.382	10.659	63.424	1352.912	6.189	3.363	17.935
L5	21.276	12.375	676.011	7.382	10.659	63.424	1352.912	6.189	3.363	17.935
	22.414	13.042	791.273	7.780	11.228	70.475	1583.586	6.522	3.560	18.986
L6	22.414	13.042	791.273	7.780	11.228	70.475	1583.586	6.522	3.560	18.986
	23.551	13.708	918.943	8.177	11.797	77.897	1839.094	6.856	3.757	20.038
L7	23.551	13.708	918.943	8.177	11.797	77.897	1839.094	6.856	3.757	20.038
	24.518	14.275	1037.693	8.515	12.281	84.499	2076.751	7.139	3.925	20.932
L8	24.518	14.275	1037.693	8.515	12.281	84.499	2076.751	7.139	3.925	20.932
	24.575	14.309	1044.980	8.535	12.309	84.895	2091.335	7.156	3.935	20.984
L9	24.575	14.309	1044.980	8.535	12.309	84.895	2091.335	7.156	3.935	20.984
	26.027	15.159	1242.683	9.043	13.035	95.332	2487.001	7.581	4.186	22.326
L10	25.620	19.199	1419.865	8.589	12.418	114.340	2841.598	9.601	3.862	15.449
	25.900	20.071	1622.337	8.979	12.976	125.022	3246.809	10.037	4.056	16.223
L11	25.900	20.071	1622.337	8.979	12.976	125.022	3246.809	10.037	4.056	16.223
	25.926	20.092	1627.419	8.989	12.990	125.284	3256.980	10.048	4.060	16.242
L12	25.926	20.092	1627.419	8.989	12.990	125.284	3256.980	10.048	4.060	16.242
	25.982	20.135	1638.041	9.008	13.018	125.832	3278.238	10.070	4.070	16.28
L13	25.947	37.918	3030.222	8.928	13.018	232.777	6064.431	18.963	3.674	7.735
	27.064	39.575	3445.204	9.319	13.576	253.768	6894.942	19.792	3.868	8.142
L14	27.065	39.064	3402.302	9.321	13.576	250.608	6809.080	19.536	3.879	8.274
	28.181	40.700	3847.811	9.711	14.135	272.225	7700.685	20.354	4.072	8.687
L15	28.182	40.166	3799.110	9.713	14.135	268.780	7603.218	20.087	4.083	8.828
	29.187	41.619	4226.326	10.065	14.637	288.737	8458.213	20.813	4.257	9.205
L16	29.173	49.340	4979.510	10.034	14.637	340.194	9965.573	24.675	4.103	7.46
	29.229	49.436	5008.619	10.053	14.665	341.531	10023.829	24.723	4.113	7.478
L17	29.231	48.333	4901.272	10.058	14.665	334.211	9808.993	24.171	4.135	7.693
	29.798	49.286	5196.868	10.256	14.949	347.642	10400.575	24.648	4.233	7.876
L18	29.775	62.713	6544.153	10.203	14.949	437.768	13096.918	31.363	3.969	5.773
	30.753	64.815	7224.305	10.544	15.438	467.952	14458.116	32.413	4.139	6.02
L19	30.245	66.011	6632.004	10.011	14.700	451.152	13272.735	33.012	3.795	5.146
	30.470	68.776	7500.984	10.430	15.300	490.250	15011.837	34.395	4.003	5.428
L20	30.470	68.776	7500.984	10.430	15.300	490.250	15011.837	34.395	4.003	5.428
	30.769	69.466	7728.922	10.535	15.450	500.253	15468.014	34.740	4.055	5.498
L21	30.742	85.443	9394.721	10.473	15.450	608.072	18801.804	42.730	3.747	4.106
	30.798	85.603	9447.733	10.492	15.478	610.392	18907.898	42.810	3.757	4.117
L22	30.802	83.328	9212.228	10.501	15.478	595.176	18436.578	41.672	3.801	4.282
	31.927	86.449	10286.340	10.895	16.041	641.259	20586.214	43.233	3.995	4.502
L23	31.927	86.449	10286.340	10.895	16.041	641.259	20586.214	43.233	3.995	4.502
	32.152	87.073	10510.718	10.973	16.153	650.681	21035.266	43.545	4.034	4.546
L24	32.144	91.829	11049.079	10.955	16.153	684.009	22112.697	45.923	3.946	4.21
	32.200	91.994	11108.675	10.975	16.182	686.503	22231.967	46.006	3.956	4.22
L25	32.202	90.804	10973.859	10.980	16.182	678.172	21962.159	45.411	3.978	4.301
	32.315	91.130	11092.190	11.019	16.238	683.109	22198.975	45.573	3.998	4.322
L26	32.340	75.514	9287.923	11.077	16.238	571.994	18588.068	37.764	4.284	5.618
	32.396	75.648	9337.471	11.096	16.266	574.050	18687.229	37.831	4.293	5.631
L27	32.400	73.226	9053.012	11.105	16.266	556.562	18117.936	36.620	4.337	5.881
	33.525	75.819	10049.164	11.498	16.829	597.146	20111.552	37.917	4.532	6.146
L28	33.526	74.562	9890.281	11.503	16.829	587.705	19793.577	37.288	4.554	6.282

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L29	34.651	77.111	10939.670	11.896	17.391	629.029	21893.735	38.563	4.749	6.551
	34.651	77.111	10939.670	11.896	17.391	629.029	21893.735	38.563	4.749	6.551
	34.839	77.537	11121.624	11.962	17.485	636.059	22257.882	38.776	4.782	6.596
L30	34.825	86.669	12367.040	11.931	17.485	707.285	24750.354	43.343	4.628	5.696
	34.882	86.812	12428.283	11.950	17.513	709.646	24872.920	43.414	4.638	5.708
L31	34.884	85.508	12250.716	11.955	17.513	699.507	24517.552	42.762	4.660	5.825
	36.008	88.320	13499.826	12.348	18.076	746.834	27017.415	44.169	4.855	6.068
L32	36.010	86.972	13303.223	12.352	18.076	735.958	26623.951	43.494	4.877	6.192
	37.135	89.740	14614.606	12.746	18.639	784.097	29248.443	44.879	5.072	6.44
L33	37.139	86.952	14180.231	12.754	18.639	760.792	28379.121	43.484	5.116	6.709
	38.264	89.633	15532.653	13.148	19.201	808.930	31085.745	44.825	5.310	6.965
L34	38.266	88.193	15293.494	13.152	19.201	796.475	30607.112	44.105	5.332	7.11
	38.978	89.863	16178.646	13.401	19.558	827.223	32378.581	44.940	5.456	7.275
L35	38.978	89.863	16178.646	13.401	19.558	827.223	32378.581	44.940	5.456	7.275
	39.034	89.995	16249.960	13.421	19.586	829.675	32521.302	45.006	5.466	7.288
L36	39.036	88.524	15994.983	13.425	19.586	816.657	32011.012	44.270	5.488	7.441
	39.880	90.469	17072.439	13.720	20.008	853.283	34167.342	45.243	5.634	7.639
L37	39.880	90.469	17072.439	13.720	20.008	853.283	34167.342	45.243	5.634	7.639
	41.184	93.475	18831.543	14.176	20.660	911.482	37687.864	46.746	5.860	7.946
L38	40.545	92.077	16838.338	13.506	19.715	854.108	33698.831	46.047	5.488	7.198
	40.770	95.606	18849.476	14.024	20.455	921.498	37723.756	47.812	5.745	7.534
L39	40.772	94.068	18558.074	14.028	20.455	907.252	37140.568	47.043	5.767	7.689
	41.896	96.705	20162.529	14.421	21.018	959.305	40351.587	48.362	5.962	7.949
L40	41.896	96.705	20162.529	14.421	21.018	959.305	40351.587	48.362	5.962	7.949
	42.317	97.691	20785.564	14.568	21.228	979.146	41598.478	48.855	6.035	8.046
L41	42.305	107.263	22738.992	14.542	21.228	1071.166	45507.904	53.642	5.903	7.155
	42.362	107.408	22831.333	14.561	21.256	1074.092	45692.707	53.714	5.912	7.167
L42	42.362	107.408	22831.333	14.561	21.256	1074.092	45692.707	53.714	5.912	7.167
	42.661	108.182	23327.915	14.666	21.406	1089.764	46686.526	54.101	5.964	7.23
L43	42.673	98.525	21322.903	14.693	21.406	996.100	42673.863	49.272	6.096	8.129
	42.729	98.657	21408.602	14.713	21.435	998.791	42845.374	49.338	6.106	8.142
L44	42.733	95.426	20732.456	14.721	21.435	967.246	41492.191	47.722	6.150	8.483
	43.858	97.975	22438.266	15.115	21.997	1020.055	44906.056	48.997	6.345	8.752
L45	43.858	97.975	22438.266	15.115	21.997	1020.055	44906.056	48.997	6.345	8.752
	44.982	100.523	24235.164	15.508	22.560	1074.268	48502.218	50.271	6.540	9.021
L46	44.982	100.523	24235.164	15.508	22.560	1074.268	48502.218	50.271	6.540	9.021
	45.038	100.651	24327.443	15.527	22.588	1077.015	48686.897	50.335	6.550	9.034
L47	45.038	100.651	24327.443	15.527	22.588	1077.015	48686.897	50.335	6.550	9.034
	45.095	100.778	24419.956	15.547	22.616	1079.766	48872.044	50.399	6.559	9.048
L48	45.096	99.069	24019.478	15.552	22.616	1062.058	48070.561	49.544	6.581	9.237
	46.221	101.573	25887.609	15.945	23.179	1116.877	51809.281	50.796	6.776	9.511
L49	46.221	101.573	25887.609	15.945	23.179	1116.877	51809.281	50.796	6.776	9.511
	46.390	101.949	26175.918	16.004	23.263	1125.219	52386.278	50.984	6.806	9.552
L50	46.388	103.709	26612.994	15.999	23.263	1144.007	53261.007	51.864	6.784	9.357
	46.444	103.836	26711.211	16.019	23.291	1146.843	53457.569	51.928	6.793	9.37
L51	46.446	102.074	26272.494	16.023	23.291	1128.006	52579.558	51.047	6.815	9.565
	47.346	104.078	27850.178	16.338	23.741	1173.075	55737.001	52.049	6.971	9.784
L52	47.348	102.280	27383.879	16.342	23.741	1153.434	54803.791	51.150	6.993	9.99
	47.404	102.403	27482.816	16.362	23.769	1156.232	55001.795	51.211	7.003	10.004
L53	47.404	102.403	27482.816	16.362	23.769	1156.232	55001.795	51.211	7.003	10.004
	47.516	102.649	27681.404	16.401	23.826	1161.837	55399.231	51.334	7.023	10.032
L54	47.505	113.462	30498.257	16.375	23.826	1280.065	61036.644	56.742	6.891	8.891
	47.561	113.599	30608.228	16.394	23.854	1283.166	61256.731	56.810	6.900	8.904
L55	47.565	109.994	29668.998	16.403	23.854	1243.791	59377.034	55.007	6.944	9.259
	48.689	112.630	31853.877	16.796	24.416	1304.616	63749.668	56.326	7.139	9.519
L56	48.689	112.630	31853.877	16.796	24.416	1304.616	63749.668	56.326	7.139	9.519
	49.814	115.266	34143.470	17.189	24.979	1366.893	68331.866	57.644	7.334	9.779
L57	49.816	113.374	33600.421	17.194	24.979	1345.153	67245.053	56.698	7.356	9.974
	50.940	115.967	35958.439	17.587	25.541	1407.845	71964.194	57.994	7.551	10.239
L58	50.973	82.907	25928.340	17.662	25.541	1015.146	51890.798	41.461	7.925	15.095
	51.198	83.276	26276.171	17.741	25.654	1024.252	52586.917	41.646	7.964	15.17

<p><i>tnxTower</i></p> <p>B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	<p>Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)</p>	<p>Page 6 of 64</p>
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	<p>Client Crown Castle</p>	<p>Designed by V. RAO</p>

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L1				1	1	1			
160.000-155.000									
L2				1	1	1			
155.000-150.000									
L3				1	1	1			
150.000-145.000									
L4				1	1	1			
145.000-140.000									
L5				1	1	1			
140.000-135.000									
L6				1	1	1			
135.000-130.000									
L7				1	1	1			
130.000-125.750									
L8				1	1	1			
125.750-125.500									
L9				1	1	1			
125.500-119.120									
L10				1	1	1			
119.120-117.870									
L11				1	1	1			
117.870-117.750									
L12				1	1	1			
117.750-117.500									
L13				1	1	0.945398			
117.500-112.500									
L14				1	1	0.940718			
112.500-107.500									
L15				1	1	0.938811			
107.500-103.000									
L16				1	1	1.03399			
103.000-102.750									
L17				1	1	1.04612			
102.750-100.210									
L18				1	1	0.917622			
100.210-95.830									
L19				1	1	0.930138			
95.830-94.830									
L20				1	1	0.92511			

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Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L50				1	1	1.07543			
21.250-21.000									
L51				1	1	1.08306			
21.000-17.000									
L52				1	1	1.04283			
17.000-16.750									
L53				1	1	1.04161			
16.750-16.250									
L54				1	1	1.02322			
16.250-16.000									
L55				1	1	1.04373			
16.000-11.000									
L56				1	1	1.03129			
11.000-6.000									
L57				1	1	1.03643			
6.000-1.000									
L58				1	1	1.09921			
1.000-0.000									

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
*										
*										
**										
PL 5.375"x1.25"	A	No	Surface Af (CaAa)	89.250 - 0.000	1	1	0.300 0.325	5.375	13.250	0.000
PL 5.375"x1.25"	B	No	Surface Af (CaAa)	89.250 - 0.000	1	1	0.300 0.325	5.375	13.250	0.000
PL 5.375"x1.25"	C	No	Surface Af (CaAa)	89.250 - 0.000	1	1	0.300 0.325	5.375	13.250	0.000
*										
PL 4.375"x1.25"	A	No	Surface Af (CaAa)	119.000 - 89.250	1	1	0.300 0.325	4.375	11.250	0.000
PL 4.375"x1.25"	B	No	Surface Af (CaAa)	119.000 - 89.250	1	1	0.300 0.325	4.375	11.250	0.000
PL 4.375"x1.25"	C	No	Surface Af (CaAa)	119.000 - 89.250	1	1	0.300 0.325	4.375	11.250	0.000
*										
PL 3.125"x1.25"	A	No	Surface Af (CaAa)	127.000 - 119.000	1	1	0.300 0.325	3.125	8.750	0.000
PL 3.125"x1.25"	B	No	Surface Af (CaAa)	127.000 - 119.000	1	1	0.300 0.325	3.125	8.750	0.000
PL 3.125"x1.25"	C	No	Surface Af (CaAa)	127.000 - 119.000	1	1	0.300 0.325	3.125	8.750	0.000
**										
MP3-03	A	No	Surface Af (CaAa)	40.500 - 0.000	1	1	0.350 0.375	4.060	11.260	0.000
MP3-03	B	No	Surface Af (CaAa)	40.500 - 0.000	1	1	0.350 0.375	4.060	11.260	0.000
MP3-03	C	No	Surface Af (CaAa)	40.500 - 0.000	1	1	0.350 0.375	4.060	11.260	0.000

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Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
*										
MP3-03	A	No	Surface Af (CaAa)	76.583 - 36.583	1	1	0.400 0.425	4.060	11.260	0.000
MP3-03	B	No	Surface Af (CaAa)	76.583 - 36.583	1	1	0.400 0.425	4.060	11.260	0.000
MP3-03	C	No	Surface Af (CaAa)	76.583 - 36.583	1	1	0.400 0.425	4.060	11.260	0.000
**										
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	20.000 - 0.000	1	1	-0.325 -0.300	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	20.000 - 0.000	1	1	-0.425 -0.400	8.500	19.500	0.000
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	25.000 - 0.000	1	1	-0.175 -0.150	8.500	19.500	0.000
*										
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	55.000 - 20.000	1	1	-0.425 -0.400	6.000	14.000	0.000
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	105.000 - 20.000	1	1	-0.325 -0.300	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	105.000 - 15.000	1	1	-0.225 -0.200	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	102.210 - 47.210	1	1	-0.275 -0.250	6.000	14.000	0.000
*										
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	95.000 - 85.000	1	1	0.400 0.425	4.500	11.000	0.000
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	95.000 - 85.000	1	1	0.400 0.425	4.500	11.000	0.000
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	95.000 - 85.000	1	1	0.400 0.425	4.500	11.000	0.000
**										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight klf
HB114-1-08U4-M5J (1-1/4)	A	No	No	Inside Pole	159.000 - 0.000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
HB114-21U3M12-X XXF(1-1/4)	A	No	No	Inside Pole	159.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
*									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	150.000 - 0.000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
FB-L98B-002-75000 (3/8)	A	No	No	Inside Pole	150.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
WR-VG122ST-BRD A(7/16)	A	No	No	Inside Pole	150.000 - 0.000	2	No Ice 1/2" Ice	0.000 0.000	0.000 0.000

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight klf
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
*									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	137.000 - 0.000	3	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									
HB158-21U6S12-X XXM-01(1-5/8)	B	No	No	Inside Pole	125.000 - 0.000	2	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
*									
CR 50 1070(7/8)	B	No	No	Inside Pole	109.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
*									
**									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	160.000-155.000	A	0.000	0.000	0.000	0.000	0.018
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L2	155.000-150.000	A	0.000	0.000	0.000	0.000	0.022
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L3	150.000-145.000	A	0.000	0.000	0.000	0.000	0.073
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L4	145.000-140.000	A	0.000	0.000	0.000	0.000	0.073
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L5	140.000-135.000	A	0.000	0.000	0.000	0.000	0.073
		B	0.000	0.000	0.000	0.000	0.005
		C	0.000	0.000	0.000	0.000	0.000
L6	135.000-130.000	A	0.000	0.000	0.000	0.000	0.073
		B	0.000	0.000	0.000	0.000	0.012
		C	0.000	0.000	0.000	0.000	0.000
L7	130.000-125.750	A	0.000	0.000	0.651	0.000	0.062
		B	0.000	0.000	0.651	0.000	0.010
		C	0.000	0.000	0.651	0.000	0.000
L8	125.750-125.500	A	0.000	0.000	0.130	0.000	0.004
		B	0.000	0.000	0.130	0.000	0.001
		C	0.000	0.000	0.130	0.000	0.000
L9	125.500-119.120	A	0.000	0.000	3.323	0.000	0.093
		B	0.000	0.000	3.323	0.000	0.038
		C	0.000	0.000	3.323	0.000	0.000
L10	119.120-117.870	A	0.000	0.000	0.886	0.000	0.018
		B	0.000	0.000	0.886	0.000	0.008

Tower Section	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
L11	117.870-117.750	C	0.000	0.000	0.886	0.000	0.000
		A	0.000	0.000	0.087	0.000	0.002
		B	0.000	0.000	0.087	0.000	0.001
L12	117.750-117.500	C	0.000	0.000	0.087	0.000	0.000
		A	0.000	0.000	0.182	0.000	0.004
		B	0.000	0.000	0.182	0.000	0.002
L13	117.500-112.500	C	0.000	0.000	0.182	0.000	0.000
		A	0.000	0.000	3.646	0.000	0.073
		B	0.000	0.000	3.646	0.000	0.031
L14	112.500-107.500	C	0.000	0.000	3.646	0.000	0.000
		A	0.000	0.000	3.646	0.000	0.073
		B	0.000	0.000	3.646	0.000	0.032
L15	107.500-103.000	C	0.000	0.000	3.646	0.000	0.000
		A	0.000	0.000	5.281	0.000	0.066
		B	0.000	0.000	3.281	0.000	0.029
L16	103.000-102.750	C	0.000	0.000	5.281	0.000	0.000
		A	0.000	0.000	0.432	0.000	0.004
		B	0.000	0.000	0.182	0.000	0.002
L17	102.750-100.210	C	0.000	0.000	0.432	0.000	0.000
		A	0.000	0.000	4.392	0.000	0.037
		B	0.000	0.000	3.852	0.000	0.017
L18	100.210-95.830	C	0.000	0.000	4.392	0.000	0.000
		A	0.000	0.000	7.574	0.000	0.064
		B	0.000	0.000	7.574	0.000	0.029
L19	95.830-94.830	C	0.000	0.000	7.574	0.000	0.000
		A	0.000	0.000	1.857	0.000	0.015
		B	0.000	0.000	1.857	0.000	0.007
L20	94.830-93.500	C	0.000	0.000	1.857	0.000	0.000
		A	0.000	0.000	3.297	0.000	0.019
		B	0.000	0.000	3.297	0.000	0.009
L21	93.500-93.250	C	0.000	0.000	3.297	0.000	0.000
		A	0.000	0.000	0.620	0.000	0.004
		B	0.000	0.000	0.620	0.000	0.002
L22	93.250-88.250	C	0.000	0.000	0.620	0.000	0.000
		A	0.000	0.000	12.563	0.000	0.073
		B	0.000	0.000	12.563	0.000	0.033
L23	88.250-87.250	C	0.000	0.000	12.563	0.000	0.000
		A	0.000	0.000	2.646	0.000	0.015
		B	0.000	0.000	2.646	0.000	0.007
L24	87.250-87.000	C	0.000	0.000	2.646	0.000	0.000
		A	0.000	0.000	0.661	0.000	0.004
		B	0.000	0.000	0.661	0.000	0.002
L25	87.000-86.500	C	0.000	0.000	0.661	0.000	0.000
		A	0.000	0.000	1.323	0.000	0.007
		B	0.000	0.000	1.323	0.000	0.003
L26	86.500-86.250	C	0.000	0.000	1.323	0.000	0.000
		A	0.000	0.000	0.661	0.000	0.004
		B	0.000	0.000	0.661	0.000	0.002
L27	86.250-81.250	C	0.000	0.000	0.661	0.000	0.000
		A	0.000	0.000	10.417	0.000	0.073
		B	0.000	0.000	10.417	0.000	0.033
L28	81.250-76.250	C	0.000	0.000	10.417	0.000	0.000
		A	0.000	0.000	9.704	0.000	0.073
		B	0.000	0.000	9.704	0.000	0.033
L29	76.250-75.416	C	0.000	0.000	9.704	0.000	0.000
		A	0.000	0.000	2.145	0.000	0.012
		B	0.000	0.000	2.145	0.000	0.005
L30	75.416-75.166	C	0.000	0.000	2.145	0.000	0.000
		A	0.000	0.000	0.643	0.000	0.004
		B	0.000	0.000	0.643	0.000	0.002
		C	0.000	0.000	0.643	0.000	0.000

Tower Section	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
L31	75.166-70.166	A	0.000	0.000	12.863	0.000	0.073
		B	0.000	0.000	12.863	0.000	0.033
		C	0.000	0.000	12.863	0.000	0.000
L32	70.166-65.166	A	0.000	0.000	12.863	0.000	0.073
		B	0.000	0.000	12.863	0.000	0.033
		C	0.000	0.000	12.863	0.000	0.000
L33	65.166-60.166	A	0.000	0.000	12.863	0.000	0.073
		B	0.000	0.000	12.863	0.000	0.033
		C	0.000	0.000	12.863	0.000	0.000
L34	60.166-57.000	A	0.000	0.000	8.145	0.000	0.046
		B	0.000	0.000	8.145	0.000	0.021
		C	0.000	0.000	8.145	0.000	0.000
L35	57.000-56.750	A	0.000	0.000	0.643	0.000	0.004
		B	0.000	0.000	0.643	0.000	0.002
		C	0.000	0.000	0.643	0.000	0.000
L36	56.750-53.000	A	0.000	0.000	9.647	0.000	0.055
		B	0.000	0.000	11.647	0.000	0.025
		C	0.000	0.000	9.647	0.000	0.000
L37	53.000-47.203	A	0.000	0.000	14.913	0.000	0.085
		B	0.000	0.000	20.703	0.000	0.038
		C	0.000	0.000	14.913	0.000	0.000
L38	47.203-46.203	A	0.000	0.000	2.572	0.000	0.015
		B	0.000	0.000	2.572	0.000	0.007
		C	0.000	0.000	2.572	0.000	0.000
L39	46.203-41.203	A	0.000	0.000	12.863	0.000	0.073
		B	0.000	0.000	12.863	0.000	0.033
		C	0.000	0.000	12.863	0.000	0.000
L40	41.203-39.333	A	0.000	0.000	5.600	0.000	0.027
		B	0.000	0.000	5.600	0.000	0.012
		C	0.000	0.000	5.600	0.000	0.000
L41	39.333-39.083	A	0.000	0.000	0.812	0.000	0.004
		B	0.000	0.000	0.812	0.000	0.002
		C	0.000	0.000	0.812	0.000	0.000
L42	39.083-37.750	A	0.000	0.000	4.331	0.000	0.020
		B	0.000	0.000	4.331	0.000	0.009
		C	0.000	0.000	4.331	0.000	0.000
L43	37.750-37.500	A	0.000	0.000	0.812	0.000	0.004
		B	0.000	0.000	0.812	0.000	0.002
		C	0.000	0.000	0.812	0.000	0.000
L44	37.500-32.500	A	0.000	0.000	13.483	0.000	0.073
		B	0.000	0.000	13.483	0.000	0.033
		C	0.000	0.000	13.483	0.000	0.000
L45	32.500-27.500	A	0.000	0.000	12.863	0.000	0.073
		B	0.000	0.000	12.863	0.000	0.033
		C	0.000	0.000	12.863	0.000	0.000
L46	27.500-27.250	A	0.000	0.000	0.643	0.000	0.004
		B	0.000	0.000	0.643	0.000	0.002
		C	0.000	0.000	0.643	0.000	0.000
L47	27.250-27.000	A	0.000	0.000	0.643	0.000	0.004
		B	0.000	0.000	0.643	0.000	0.002
		C	0.000	0.000	0.643	0.000	0.000
L48	27.000-22.000	A	0.000	0.000	12.863	0.000	0.073
		B	0.000	0.000	12.863	0.000	0.033
		C	0.000	0.000	17.113	0.000	0.000
L49	22.000-21.250	A	0.000	0.000	1.929	0.000	0.011
		B	0.000	0.000	1.929	0.000	0.005
		C	0.000	0.000	2.992	0.000	0.000
L50	21.250-21.000	A	0.000	0.000	0.643	0.000	0.004
		B	0.000	0.000	0.643	0.000	0.002
		C	0.000	0.000	0.997	0.000	0.000
L51	21.000-17.000	A	0.000	0.000	11.540	0.000	0.059

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)	Page 13 of 64
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Tower Section	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
L52	17.000-16.750	B	0.000	0.000	11.540	0.000	0.026
		C	0.000	0.000	15.957	0.000	0.000
		A	0.000	0.000	0.747	0.000	0.004
L53	16.750-16.250	B	0.000	0.000	0.747	0.000	0.002
		C	0.000	0.000	0.997	0.000	0.000
		A	0.000	0.000	1.495	0.000	0.007
L54	16.250-16.000	B	0.000	0.000	1.495	0.000	0.003
		C	0.000	0.000	1.995	0.000	0.000
		A	0.000	0.000	0.747	0.000	0.004
L55	16.000-11.000	B	0.000	0.000	0.747	0.000	0.002
		C	0.000	0.000	0.997	0.000	0.000
		A	0.000	0.000	14.946	0.000	0.073
L56	11.000-6.000	B	0.000	0.000	14.946	0.000	0.033
		C	0.000	0.000	14.946	0.000	0.000
		A	0.000	0.000	15.946	0.000	0.000
L57	6.000-1.000	A	0.000	0.000	14.946	0.000	0.073
		B	0.000	0.000	14.946	0.000	0.033
		C	0.000	0.000	14.946	0.000	0.000
L58	1.000-0.000	A	0.000	0.000	2.989	0.000	0.015
		B	0.000	0.000	2.989	0.000	0.007
		C	0.000	0.000	2.989	0.000	0.000

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	160.000-155.000	A	1.491	0.000	0.000	0.000	0.000	0.018
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L2	155.000-150.000	A	1.486	0.000	0.000	0.000	0.000	0.022
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L3	150.000-145.000	A	1.481	0.000	0.000	0.000	0.000	0.073
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L4	145.000-140.000	A	1.476	0.000	0.000	0.000	0.000	0.073
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L5	140.000-135.000	A	1.471	0.000	0.000	0.000	0.000	0.073
		B		0.000	0.000	0.000	0.000	0.005
		C		0.000	0.000	0.000	0.000	0.000
L6	135.000-130.000	A	1.465	0.000	0.000	0.000	0.000	0.073
		B		0.000	0.000	0.000	0.000	0.012
		C		0.000	0.000	0.000	0.000	0.000
L7	130.000-125.750	A	1.460	0.000	0.000	0.882	0.000	0.072
		B		0.000	0.000	0.882	0.000	0.021
		C		0.000	0.000	0.882	0.000	0.010
L8	125.750-125.500	A	1.457	0.000	0.000	0.176	0.000	0.006
		B		0.000	0.000	0.176	0.000	0.003
		C		0.000	0.000	0.176	0.000	0.002
L9	125.500-119.120	A	1.453	0.000	0.000	4.499	0.000	0.145
		B		0.000	0.000	4.499	0.000	0.089
		C		0.000	0.000	4.499	0.000	0.051
L10	119.120-117.870	A	1.449	0.000	0.000	1.237	0.000	0.030
		B		0.000	0.000	1.237	0.000	0.019

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Client
 Crown Castle

Designed by
 V. RAO

Tower Section	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
L11	117.870-117.750	C		0.000	0.000	1.237	0.000	0.012
		A	1.448	0.000	0.000	0.122	0.000	0.003
		B		0.000	0.000	0.122	0.000	0.002
		C		0.000	0.000	0.122	0.000	0.001
L12	117.750-117.500	A	1.448	0.000	0.000	0.255	0.000	0.006
		B		0.000	0.000	0.255	0.000	0.004
		C		0.000	0.000	0.255	0.000	0.002
L13	117.500-112.500	A	1.445	0.000	0.000	5.090	0.000	0.120
		B		0.000	0.000	5.090	0.000	0.078
		C		0.000	0.000	5.090	0.000	0.047
L14	112.500-107.500	A	1.438	0.000	0.000	5.084	0.000	0.120
		B		0.000	0.000	5.084	0.000	0.078
		C		0.000	0.000	5.084	0.000	0.047
L15	107.500-103.000	A	1.432	0.000	0.000	7.143	0.000	0.129
		B		0.000	0.000	4.570	0.000	0.071
		C		0.000	0.000	7.143	0.000	0.063
L16	103.000-102.750	A	1.429	0.000	0.000	0.575	0.000	0.009
		B		0.000	0.000	0.254	0.000	0.004
		C		0.000	0.000	0.575	0.000	0.005
L17	102.750-100.210	A	1.427	0.000	0.000	5.841	0.000	0.088
		B		0.000	0.000	5.147	0.000	0.062
		C		0.000	0.000	5.841	0.000	0.051
L18	100.210-95.830	A	1.422	0.000	0.000	10.064	0.000	0.151
		B		0.000	0.000	10.064	0.000	0.116
		C		0.000	0.000	10.064	0.000	0.087
L19	95.830-94.830	A	1.418	0.000	0.000	2.453	0.000	0.036
		B		0.000	0.000	2.453	0.000	0.028
		C		0.000	0.000	2.453	0.000	0.021
L20	94.830-93.500	A	1.416	0.000	0.000	4.264	0.000	0.058
		B		0.000	0.000	4.264	0.000	0.047
		C		0.000	0.000	4.264	0.000	0.038
L21	93.500-93.250	A	1.415	0.000	0.000	0.801	0.000	0.011
		B		0.000	0.000	0.801	0.000	0.009
		C		0.000	0.000	0.801	0.000	0.007
L22	93.250-88.250	A	1.411	0.000	0.000	16.184	0.000	0.218
		B		0.000	0.000	16.184	0.000	0.177
		C		0.000	0.000	16.184	0.000	0.144
L23	88.250-87.250	A	1.406	0.000	0.000	3.368	0.000	0.044
		B		0.000	0.000	3.368	0.000	0.036
		C		0.000	0.000	3.368	0.000	0.030
L24	87.250-87.000	A	1.405	0.000	0.000	0.842	0.000	0.011
		B		0.000	0.000	0.842	0.000	0.009
		C		0.000	0.000	0.842	0.000	0.007
L25	87.000-86.500	A	1.404	0.000	0.000	1.684	0.000	0.022
		B		0.000	0.000	1.684	0.000	0.018
		C		0.000	0.000	1.684	0.000	0.015
L26	86.500-86.250	A	1.404	0.000	0.000	0.842	0.000	0.011
		B		0.000	0.000	0.842	0.000	0.009
		C		0.000	0.000	0.842	0.000	0.007
L27	86.250-81.250	A	1.399	0.000	0.000	13.414	0.000	0.187
		B		0.000	0.000	13.414	0.000	0.147
		C		0.000	0.000	13.414	0.000	0.114
L28	81.250-76.250	A	1.391	0.000	0.000	12.579	0.000	0.178
		B		0.000	0.000	12.579	0.000	0.138
		C		0.000	0.000	12.579	0.000	0.105
L29	76.250-75.416	A	1.386	0.000	0.000	2.839	0.000	0.037
		B		0.000	0.000	2.839	0.000	0.030
		C		0.000	0.000	2.839	0.000	0.024
L30	75.416-75.166	A	1.385	0.000	0.000	0.851	0.000	0.011
		B		0.000	0.000	0.851	0.000	0.009
		C		0.000	0.000	0.851	0.000	0.007

tnxTower

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Client
 Crown Castle

Designed by
 V. RAO

Tower Section	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
L31	75.166-70.166	A	1.380	0.000	0.000	17.002	0.000	0.219
		B		0.000	0.000	17.002	0.000	0.178
		C		0.000	0.000	17.002	0.000	0.145
L32	70.166-65.166	A	1.370	0.000	0.000	16.972	0.000	0.217
		B		0.000	0.000	16.972	0.000	0.177
		C		0.000	0.000	16.972	0.000	0.144
L33	65.166-60.166	A	1.359	0.000	0.000	16.941	0.000	0.216
		B		0.000	0.000	16.941	0.000	0.175
		C		0.000	0.000	16.941	0.000	0.143
L34	60.166-57.000	A	1.350	0.000	0.000	10.710	0.000	0.136
		B		0.000	0.000	10.710	0.000	0.110
		C		0.000	0.000	10.710	0.000	0.090
L35	57.000-56.750	A	1.346	0.000	0.000	0.845	0.000	0.011
		B		0.000	0.000	0.845	0.000	0.009
		C		0.000	0.000	0.845	0.000	0.007
L36	56.750-53.000	A	1.342	0.000	0.000	12.665	0.000	0.160
		B		0.000	0.000	15.202	0.000	0.150
		C		0.000	0.000	12.665	0.000	0.105
L37	53.000-47.203	A	1.329	0.000	0.000	19.536	0.000	0.246
		B		0.000	0.000	26.866	0.000	0.256
		C		0.000	0.000	19.536	0.000	0.161
L38	47.203-46.203	A	1.320	0.000	0.000	3.370	0.000	0.042
		B		0.000	0.000	3.370	0.000	0.034
		C		0.000	0.000	3.370	0.000	0.028
L39	46.203-41.203	A	1.311	0.000	0.000	16.796	0.000	0.209
		B		0.000	0.000	16.796	0.000	0.169
		C		0.000	0.000	16.796	0.000	0.136
L40	41.203-39.333	A	1.301	0.000	0.000	7.363	0.000	0.087
		B		0.000	0.000	7.363	0.000	0.072
		C		0.000	0.000	7.363	0.000	0.060
L41	39.333-39.083	A	1.297	0.000	0.000	1.072	0.000	0.012
		B		0.000	0.000	1.072	0.000	0.010
		C		0.000	0.000	1.072	0.000	0.009
L42	39.083-37.750	A	1.295	0.000	0.000	5.712	0.000	0.066
		B		0.000	0.000	5.712	0.000	0.055
		C		0.000	0.000	5.712	0.000	0.047
L43	37.750-37.500	A	1.292	0.000	0.000	1.071	0.000	0.012
		B		0.000	0.000	1.071	0.000	0.010
		C		0.000	0.000	1.071	0.000	0.009
L44	37.500-32.500	A	1.282	0.000	0.000	17.566	0.000	0.213
		B		0.000	0.000	17.566	0.000	0.172
		C		0.000	0.000	17.566	0.000	0.140
L45	32.500-27.500	A	1.263	0.000	0.000	16.651	0.000	0.203
		B		0.000	0.000	16.651	0.000	0.162
		C		0.000	0.000	16.651	0.000	0.130
L46	27.500-27.250	A	1.251	0.000	0.000	0.831	0.000	0.010
		B		0.000	0.000	0.831	0.000	0.008
		C		0.000	0.000	0.831	0.000	0.006
L47	27.250-27.000	A	1.250	0.000	0.000	0.831	0.000	0.010
		B		0.000	0.000	0.831	0.000	0.008
		C		0.000	0.000	0.831	0.000	0.006
L48	27.000-22.000	A	1.238	0.000	0.000	16.575	0.000	0.200
		B		0.000	0.000	16.575	0.000	0.159
		C		0.000	0.000	21.568	0.000	0.161
L49	22.000-21.250	A	1.222	0.000	0.000	2.479	0.000	0.030
		B		0.000	0.000	2.479	0.000	0.024
		C		0.000	0.000	3.725	0.000	0.027
L50	21.250-21.000	A	1.219	0.000	0.000	0.826	0.000	0.010
		B		0.000	0.000	0.826	0.000	0.008
		C		0.000	0.000	1.241	0.000	0.009
L51	21.000-17.000	A	1.206	0.000	0.000	14.303	0.000	0.164

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	<p>Project</p>	<p>Date 14:37:33 08/25/21</p>
	<p>Client Crown Castle</p>	<p>Designed by V. RAO</p>

Tower Section	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
		B		0.000	0.000	14.303	0.000	0.132
		C		0.000	0.000	19.817	0.000	0.143
L52	17.000-16.750	A	1.192	0.000	0.000	0.915	0.000	0.010
		B		0.000	0.000	0.915	0.000	0.008
		C		0.000	0.000	1.236	0.000	0.009
L53	16.750-16.250	A	1.190	0.000	0.000	1.830	0.000	0.021
		B		0.000	0.000	1.830	0.000	0.017
		C		0.000	0.000	2.470	0.000	0.018
L54	16.250-16.000	A	1.187	0.000	0.000	0.915	0.000	0.010
		B		0.000	0.000	0.915	0.000	0.008
		C		0.000	0.000	1.235	0.000	0.009
L55	16.000-11.000	A	1.166	0.000	0.000	18.242	0.000	0.203
		B		0.000	0.000	18.242	0.000	0.162
		C		0.000	0.000	19.677	0.000	0.138
L56	11.000-6.000	A	1.113	0.000	0.000	18.110	0.000	0.196
		B		0.000	0.000	18.110	0.000	0.155
		C		0.000	0.000	18.285	0.000	0.123
L57	6.000-1.000	A	1.018	0.000	0.000	17.872	0.000	0.183
		B		0.000	0.000	17.872	0.000	0.143
		C		0.000	0.000	18.001	0.000	0.110
L58	1.000-0.000	A	0.839	0.000	0.000	3.484	0.000	0.032
		B		0.000	0.000	3.484	0.000	0.024
		C		0.000	0.000	3.492	0.000	0.017

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	160.000-155.000	0.000	0.000	0.000	0.000
L2	155.000-150.000	0.000	0.000	0.000	0.000
L3	150.000-145.000	0.000	0.000	0.000	0.000
L4	145.000-140.000	0.000	0.000	0.000	0.000
L5	140.000-135.000	0.000	0.000	0.000	0.000
L6	135.000-130.000	0.000	0.000	0.000	0.000
L7	130.000-125.750	0.000	0.000	0.000	0.000
L8	125.750-125.500	0.000	0.000	0.000	0.000
L9	125.500-119.120	0.000	0.000	0.000	0.000
L10	119.120-117.870	0.000	0.000	0.000	0.000
L11	117.870-117.750	0.000	0.000	0.000	0.000
L12	117.750-117.500	0.000	0.000	0.000	0.000
L13	117.500-112.500	0.000	0.000	0.000	0.000
L14	112.500-107.500	0.000	0.000	0.000	0.000
L15	107.500-103.000	-0.152	1.985	-0.128	1.676
L16	103.000-102.750	-0.279	3.641	-0.242	3.164
L17	102.750-100.210	-0.193	1.271	-0.170	1.121
L18	100.210-95.830	-0.176	0.735	-0.156	0.651
L19	95.830-94.830	-0.167	0.699	-0.149	0.624
L20	94.830-93.500	-0.135	0.562	-0.124	0.518
L21	93.500-93.250	-0.135	0.565	-0.124	0.520
L22	93.250-88.250	-0.136	0.567	-0.125	0.523
L23	88.250-87.250	-0.132	0.553	-0.123	0.516
L24	87.250-87.000	-0.133	0.555	-0.124	0.518
L25	87.000-86.500	-0.133	0.556	-0.124	0.519
L26	86.500-86.250	-0.133	0.558	-0.124	0.519
L27	86.250-81.250	-0.163	0.681	-0.148	0.619
L28	81.250-76.250	-0.176	0.736	-0.158	0.661

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)	Page 17 of 64
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	Client Crown Castle	Designed by V. RAO

Section	Elevation ft	CP _x	CP _z	CP _x	CP _z
		in	in	Ice in	Ice in
L29	76.250-75.416	-0.144	0.602	-0.129	0.542
L30	75.416-75.166	-0.144	0.604	-0.130	0.543
L31	75.166-70.166	-0.146	0.612	-0.131	0.550
L32	70.166-65.166	-0.150	0.627	-0.134	0.562
L33	65.166-60.166	-0.153	0.641	-0.137	0.575
L34	60.166-57.000	-0.156	0.653	-0.139	0.584
L35	57.000-56.750	-0.157	0.658	-0.140	0.589
L36	56.750-53.000	-0.762	-0.506	-0.686	-0.455
L37	53.000-47.203	-1.265	-1.454	-1.141	-1.312
L38	47.203-46.203	-1.446	0.665	-1.292	0.594
L39	46.203-41.203	-1.464	0.673	-1.306	0.601
L40	41.203-39.333	-1.321	0.608	-1.181	0.543
L41	39.333-39.083	-1.245	0.572	-1.113	0.512
L42	39.083-37.750	-1.249	0.574	-1.117	0.514
L43	37.750-37.500	-1.253	0.576	-1.120	0.515
L44	37.500-32.500	-1.462	0.672	-1.302	0.599
L45	32.500-27.500	-1.543	0.710	-1.372	0.631
L46	27.500-27.250	-1.558	0.717	-1.384	0.637
L47	27.250-27.000	-1.560	0.717	-1.385	0.637
L48	27.000-22.000	-0.354	2.130	-0.376	1.836
L49	22.000-21.250	0.357	2.975	0.231	2.567
L50	21.250-21.000	0.358	2.980	0.232	2.572
L51	21.000-17.000	-0.560	2.614	-0.373	2.345
L52	17.000-16.750	-0.851	2.513	-0.572	2.282
L53	16.750-16.250	-0.852	2.516	-0.573	2.284
L54	16.250-16.000	-0.854	2.520	-0.575	2.287
L55	16.000-11.000	-2.215	1.548	-1.808	1.378
L56	11.000-6.000	-2.622	1.304	-2.179	1.146
L57	6.000-1.000	-2.666	1.326	-2.231	1.158
L58	1.000-0.000	-2.691	1.339	-2.288	1.155

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
L7	26	PL 3.125"x1.25"	125.75 - 127.00	1.0000	1.0000
L7	27	PL 3.125"x1.25"	125.75 - 127.00	1.0000	1.0000
L7	28	PL 3.125"x1.25"	125.75 - 127.00	1.0000	1.0000
L8	26	PL 3.125"x1.25"	125.50 - 125.75	1.0000	1.0000
L8	27	PL 3.125"x1.25"	125.50 - 125.75	1.0000	1.0000
L8	28	PL 3.125"x1.25"	125.50 - 125.75	1.0000	1.0000
L9	26	PL 3.125"x1.25"	119.12 - 125.50	1.0000	1.0000
L9	27	PL 3.125"x1.25"	119.12 - 125.50	1.0000	1.0000
L9	28	PL 3.125"x1.25"	119.12 -	1.0000	1.0000

tnxTower

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Crown Castle
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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L10	22	PL 4.375"x1.25"	125.50 117.87 - 119.00	1.0000	1.0000
L10	23	PL 4.375"x1.25"	117.87 - 119.00	1.0000	1.0000
L10	24	PL 4.375"x1.25"	117.87 - 119.00	1.0000	1.0000
L10	26	PL 3.125"x1.25"	119.00 - 119.12	1.0000	1.0000
L10	27	PL 3.125"x1.25"	119.00 - 119.12	1.0000	1.0000
L10	28	PL 3.125"x1.25"	119.00 - 119.12	1.0000	1.0000
L11	22	PL 4.375"x1.25"	117.75 - 117.87	1.0000	1.0000
L11	23	PL 4.375"x1.25"	117.75 - 117.87	1.0000	1.0000
L11	24	PL 4.375"x1.25"	117.75 - 117.87	1.0000	1.0000
L12	22	PL 4.375"x1.25"	117.50 - 117.75	1.0000	1.0000
L12	23	PL 4.375"x1.25"	117.50 - 117.75	1.0000	1.0000
L12	24	PL 4.375"x1.25"	117.50 - 117.75	1.0000	1.0000
L13	22	PL 4.375"x1.25"	112.50 - 117.50	1.0000	1.0000
L13	23	PL 4.375"x1.25"	112.50 - 117.50	1.0000	1.0000
L13	24	PL 4.375"x1.25"	112.50 - 117.50	1.0000	1.0000
L14	22	PL 4.375"x1.25"	107.50 - 112.50	1.0000	1.0000
L14	23	PL 4.375"x1.25"	107.50 - 112.50	1.0000	1.0000
L14	24	PL 4.375"x1.25"	107.50 - 112.50	1.0000	1.0000
L15	22	PL 4.375"x1.25"	103.00 - 107.50	1.0000	1.0000
L15	23	PL 4.375"x1.25"	103.00 - 107.50	1.0000	1.0000
L15	24	PL 4.375"x1.25"	103.00 - 107.50	1.0000	1.0000
L15	43	CCI 6" x 1" Plate	103.00 - 105.00	1.0000	1.0000
L15	44	CCI 6" x 1" Plate	103.00 - 105.00	1.0000	1.0000
L16	22	PL 4.375"x1.25"	102.75 - 103.00	1.0000	1.0000
L16	23	PL 4.375"x1.25"	102.75 - 103.00	1.0000	1.0000
L16	24	PL 4.375"x1.25"	102.75 - 103.00	1.0000	1.0000
L16	43	CCI 6" x 1" Plate	102.75 - 103.00	1.0000	1.0000
L16	44	CCI 6" x 1" Plate	102.75 - 103.00	1.0000	1.0000
L17	22	PL 4.375"x1.25"	100.21 - 102.75	1.0000	1.0000
L17	23	PL 4.375"x1.25"	100.21 - 102.75	1.0000	1.0000
L17	24	PL 4.375"x1.25"	100.21 -	1.0000	1.0000

tnxTower

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L17	43	CCI 6" x 1" Plate	102.75 100.21 - 102.75	1.0000	1.0000
L17	44	CCI 6" x 1" Plate	100.21 - 102.75	1.0000	1.0000
L17	45	CCI 6" x 1" Plate	100.21 - 102.21	1.0000	1.0000
L18	22	PL 4.375"x1.25"	95.83 - 100.21	1.0000	1.0000
L18	23	PL 4.375"x1.25"	95.83 - 100.21	1.0000	1.0000
L18	24	PL 4.375"x1.25"	95.83 - 100.21	1.0000	1.0000
L18	43	CCI 6" x 1" Plate	95.83 - 100.21	1.0000	1.0000
L18	44	CCI 6" x 1" Plate	95.83 - 100.21	1.0000	1.0000
L18	45	CCI 6" x 1" Plate	95.83 - 100.21	1.0000	1.0000
L19	22	PL 4.375"x1.25"	94.83 - 95.83	1.0000	1.0000
L19	23	PL 4.375"x1.25"	94.83 - 95.83	1.0000	1.0000
L19	24	PL 4.375"x1.25"	94.83 - 95.83	1.0000	1.0000
L19	43	CCI 6" x 1" Plate	94.83 - 95.83	1.0000	1.0000
L19	44	CCI 6" x 1" Plate	94.83 - 95.83	1.0000	1.0000
L19	45	CCI 6" x 1" Plate	94.83 - 95.83	1.0000	1.0000
L19	47	CCI 4.5" x 1" Plate	94.83 - 95.00	1.0000	1.0000
L19	48	CCI 4.5" x 1" Plate	94.83 - 95.00	1.0000	1.0000
L19	49	CCI 4.5" x 1" Plate	94.83 - 95.00	1.0000	1.0000
L20	22	PL 4.375"x1.25"	93.50 - 94.83	1.0000	1.0000
L20	23	PL 4.375"x1.25"	93.50 - 94.83	1.0000	1.0000
L20	24	PL 4.375"x1.25"	93.50 - 94.83	1.0000	1.0000
L20	43	CCI 6" x 1" Plate	93.50 - 94.83	1.0000	1.0000
L20	44	CCI 6" x 1" Plate	93.50 - 94.83	1.0000	1.0000
L20	45	CCI 6" x 1" Plate	93.50 - 94.83	1.0000	1.0000
L20	47	CCI 4.5" x 1" Plate	93.50 - 94.83	1.0000	1.0000
L20	48	CCI 4.5" x 1" Plate	93.50 - 94.83	1.0000	1.0000
L20	49	CCI 4.5" x 1" Plate	93.50 - 94.83	1.0000	1.0000
L21	22	PL 4.375"x1.25"	93.25 - 93.50	1.0000	1.0000
L21	23	PL 4.375"x1.25"	93.25 - 93.50	1.0000	1.0000
L21	24	PL 4.375"x1.25"	93.25 - 93.50	1.0000	1.0000
L21	43	CCI 6" x 1" Plate	93.25 - 93.50	1.0000	1.0000
L21	44	CCI 6" x 1" Plate	93.25 - 93.50	1.0000	1.0000
L21	45	CCI 6" x 1" Plate	93.25 - 93.50	1.0000	1.0000
L21	47	CCI 4.5" x 1" Plate	93.25 - 93.50	1.0000	1.0000
L21	48	CCI 4.5" x 1" Plate	93.25 - 93.50	1.0000	1.0000
L21	49	CCI 4.5" x 1" Plate	93.25 - 93.50	1.0000	1.0000
L22	18	PL 5.375"x1.25"	88.25 - 89.25	1.0000	1.0000
L22	19	PL 5.375"x1.25"	88.25 - 89.25	1.0000	1.0000
L22	20	PL 5.375"x1.25"	88.25 - 89.25	1.0000	1.0000
L22	22	PL 4.375"x1.25"	89.25 - 93.25	1.0000	1.0000
L22	23	PL 4.375"x1.25"	89.25 - 93.25	1.0000	1.0000
L22	24	PL 4.375"x1.25"	89.25 - 93.25	1.0000	1.0000
L22	43	CCI 6" x 1" Plate	88.25 - 93.25	1.0000	1.0000
L22	44	CCI 6" x 1" Plate	88.25 - 93.25	1.0000	1.0000
L22	45	CCI 6" x 1" Plate	88.25 - 93.25	1.0000	1.0000
L22	47	CCI 4.5" x 1" Plate	88.25 - 93.25	1.0000	1.0000
L22	48	CCI 4.5" x 1" Plate	88.25 - 93.25	1.0000	1.0000
L22	49	CCI 4.5" x 1" Plate	88.25 - 93.25	1.0000	1.0000
L23	18	PL 5.375"x1.25"	87.25 - 88.25	1.0000	1.0000
L23	19	PL 5.375"x1.25"	87.25 - 88.25	1.0000	1.0000
L23	20	PL 5.375"x1.25"	87.25 - 88.25	1.0000	1.0000
L23	43	CCI 6" x 1" Plate	87.25 - 88.25	1.0000	1.0000
L23	44	CCI 6" x 1" Plate	87.25 - 88.25	1.0000	1.0000
L23	45	CCI 6" x 1" Plate	87.25 - 88.25	1.0000	1.0000
L23	47	CCI 4.5" x 1" Plate	87.25 - 88.25	1.0000	1.0000
L23	48	CCI 4.5" x 1" Plate	87.25 - 88.25	1.0000	1.0000
L23	49	CCI 4.5" x 1" Plate	87.25 - 88.25	1.0000	1.0000
L24	18	PL 5.375"x1.25"	87.00 - 87.25	1.0000	1.0000

tnxTower

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Client
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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L24	19	PL 5.375"x1.25"	87.00 - 87.25	1.0000	1.0000
L24	20	PL 5.375"x1.25"	87.00 - 87.25	1.0000	1.0000
L24	43	CCI 6" x 1" Plate	87.00 - 87.25	1.0000	1.0000
L24	44	CCI 6" x 1" Plate	87.00 - 87.25	1.0000	1.0000
L24	45	CCI 6" x 1" Plate	87.00 - 87.25	1.0000	1.0000
L24	47	CCI 4.5" x 1" Plate	87.00 - 87.25	1.0000	1.0000
L24	48	CCI 4.5" x 1" Plate	87.00 - 87.25	1.0000	1.0000
L24	49	CCI 4.5" x 1" Plate	87.00 - 87.25	1.0000	1.0000
L25	18	PL 5.375"x1.25"	86.50 - 87.00	1.0000	1.0000
L25	19	PL 5.375"x1.25"	86.50 - 87.00	1.0000	1.0000
L25	20	PL 5.375"x1.25"	86.50 - 87.00	1.0000	1.0000
L25	43	CCI 6" x 1" Plate	86.50 - 87.00	1.0000	1.0000
L25	44	CCI 6" x 1" Plate	86.50 - 87.00	1.0000	1.0000
L25	45	CCI 6" x 1" Plate	86.50 - 87.00	1.0000	1.0000
L25	47	CCI 4.5" x 1" Plate	86.50 - 87.00	1.0000	1.0000
L25	48	CCI 4.5" x 1" Plate	86.50 - 87.00	1.0000	1.0000
L25	49	CCI 4.5" x 1" Plate	86.50 - 87.00	1.0000	1.0000
L26	18	PL 5.375"x1.25"	86.25 - 86.50	1.0000	1.0000
L26	19	PL 5.375"x1.25"	86.25 - 86.50	1.0000	1.0000
L26	20	PL 5.375"x1.25"	86.25 - 86.50	1.0000	1.0000
L26	43	CCI 6" x 1" Plate	86.25 - 86.50	1.0000	1.0000
L26	44	CCI 6" x 1" Plate	86.25 - 86.50	1.0000	1.0000
L26	45	CCI 6" x 1" Plate	86.25 - 86.50	1.0000	1.0000
L26	47	CCI 4.5" x 1" Plate	86.25 - 86.50	1.0000	1.0000
L26	48	CCI 4.5" x 1" Plate	86.25 - 86.50	1.0000	1.0000
L26	49	CCI 4.5" x 1" Plate	86.25 - 86.50	1.0000	1.0000
L27	18	PL 5.375"x1.25"	81.25 - 86.25	1.0000	1.0000
L27	19	PL 5.375"x1.25"	81.25 - 86.25	1.0000	1.0000
L27	20	PL 5.375"x1.25"	81.25 - 86.25	1.0000	1.0000
L27	43	CCI 6" x 1" Plate	81.25 - 86.25	1.0000	1.0000
L27	44	CCI 6" x 1" Plate	81.25 - 86.25	1.0000	1.0000
L27	45	CCI 6" x 1" Plate	81.25 - 86.25	1.0000	1.0000
L27	47	CCI 4.5" x 1" Plate	85.00 - 86.25	1.0000	1.0000
L27	48	CCI 4.5" x 1" Plate	85.00 - 86.25	1.0000	1.0000
L27	49	CCI 4.5" x 1" Plate	85.00 - 86.25	1.0000	1.0000
L28	18	PL 5.375"x1.25"	76.25 - 81.25	1.0000	1.0000
L28	19	PL 5.375"x1.25"	76.25 - 81.25	1.0000	1.0000
L28	20	PL 5.375"x1.25"	76.25 - 81.25	1.0000	1.0000
L28	34	MP3-03	76.25 - 76.58	1.0000	1.0000
L28	35	MP3-03	76.25 - 76.58	1.0000	1.0000
L28	36	MP3-03	76.25 - 76.58	1.0000	1.0000
L28	43	CCI 6" x 1" Plate	76.25 - 81.25	1.0000	1.0000
L28	44	CCI 6" x 1" Plate	76.25 - 81.25	1.0000	1.0000
L28	45	CCI 6" x 1" Plate	76.25 - 81.25	1.0000	1.0000
L29	18	PL 5.375"x1.25"	75.42 - 76.25	1.0000	1.0000
L29	19	PL 5.375"x1.25"	75.42 - 76.25	1.0000	1.0000
L29	20	PL 5.375"x1.25"	75.42 - 76.25	1.0000	1.0000
L29	34	MP3-03	75.42 - 76.25	1.0000	1.0000
L29	35	MP3-03	75.42 - 76.25	1.0000	1.0000
L29	36	MP3-03	75.42 - 76.25	1.0000	1.0000
L29	43	CCI 6" x 1" Plate	75.42 - 76.25	1.0000	1.0000
L29	44	CCI 6" x 1" Plate	75.42 - 76.25	1.0000	1.0000
L29	45	CCI 6" x 1" Plate	75.42 - 76.25	1.0000	1.0000
L30	18	PL 5.375"x1.25"	75.17 - 75.42	1.0000	1.0000
L30	19	PL 5.375"x1.25"	75.17 - 75.42	1.0000	1.0000
L30	20	PL 5.375"x1.25"	75.17 - 75.42	1.0000	1.0000
L30	34	MP3-03	75.17 - 75.42	1.0000	1.0000
L30	35	MP3-03	75.17 - 75.42	1.0000	1.0000
L30	36	MP3-03	75.17 - 75.42	1.0000	1.0000
L30	43	CCI 6" x 1" Plate	75.17 - 75.42	1.0000	1.0000
L30	44	CCI 6" x 1" Plate	75.17 - 75.42	1.0000	1.0000
L30	45	CCI 6" x 1" Plate	75.17 - 75.42	1.0000	1.0000

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Client
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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L31	18	PL 5.375"x1.25"	70.17 - 75.17	1.0000	1.0000
L31	19	PL 5.375"x1.25"	70.17 - 75.17	1.0000	1.0000
L31	20	PL 5.375"x1.25"	70.17 - 75.17	1.0000	1.0000
L31	34	MP3-03	70.17 - 75.17	1.0000	1.0000
L31	35	MP3-03	70.17 - 75.17	1.0000	1.0000
L31	36	MP3-03	70.17 - 75.17	1.0000	1.0000
L31	43	CCI 6" x 1" Plate	70.17 - 75.17	1.0000	1.0000
L31	44	CCI 6" x 1" Plate	70.17 - 75.17	1.0000	1.0000
L31	45	CCI 6" x 1" Plate	70.17 - 75.17	1.0000	1.0000
L32	18	PL 5.375"x1.25"	65.17 - 70.17	1.0000	1.0000
L32	19	PL 5.375"x1.25"	65.17 - 70.17	1.0000	1.0000
L32	20	PL 5.375"x1.25"	65.17 - 70.17	1.0000	1.0000
L32	34	MP3-03	65.17 - 70.17	1.0000	1.0000
L32	35	MP3-03	65.17 - 70.17	1.0000	1.0000
L32	36	MP3-03	65.17 - 70.17	1.0000	1.0000
L32	43	CCI 6" x 1" Plate	65.17 - 70.17	1.0000	1.0000
L32	44	CCI 6" x 1" Plate	65.17 - 70.17	1.0000	1.0000
L32	45	CCI 6" x 1" Plate	65.17 - 70.17	1.0000	1.0000
L33	18	PL 5.375"x1.25"	60.17 - 65.17	1.0000	1.0000
L33	19	PL 5.375"x1.25"	60.17 - 65.17	1.0000	1.0000
L33	20	PL 5.375"x1.25"	60.17 - 65.17	1.0000	1.0000
L33	34	MP3-03	60.17 - 65.17	1.0000	1.0000
L33	35	MP3-03	60.17 - 65.17	1.0000	1.0000
L33	36	MP3-03	60.17 - 65.17	1.0000	1.0000
L33	43	CCI 6" x 1" Plate	60.17 - 65.17	1.0000	1.0000
L33	44	CCI 6" x 1" Plate	60.17 - 65.17	1.0000	1.0000
L33	45	CCI 6" x 1" Plate	60.17 - 65.17	1.0000	1.0000
L34	18	PL 5.375"x1.25"	57.00 - 60.17	1.0000	1.0000
L34	19	PL 5.375"x1.25"	57.00 - 60.17	1.0000	1.0000
L34	20	PL 5.375"x1.25"	57.00 - 60.17	1.0000	1.0000
L34	34	MP3-03	57.00 - 60.17	1.0000	1.0000
L34	35	MP3-03	57.00 - 60.17	1.0000	1.0000
L34	36	MP3-03	57.00 - 60.17	1.0000	1.0000
L34	43	CCI 6" x 1" Plate	57.00 - 60.17	1.0000	1.0000
L34	44	CCI 6" x 1" Plate	57.00 - 60.17	1.0000	1.0000
L34	45	CCI 6" x 1" Plate	57.00 - 60.17	1.0000	1.0000
L35	18	PL 5.375"x1.25"	56.75 - 57.00	1.0000	1.0000
L35	19	PL 5.375"x1.25"	56.75 - 57.00	1.0000	1.0000
L35	20	PL 5.375"x1.25"	56.75 - 57.00	1.0000	1.0000
L35	34	MP3-03	56.75 - 57.00	1.0000	1.0000
L35	35	MP3-03	56.75 - 57.00	1.0000	1.0000
L35	36	MP3-03	56.75 - 57.00	1.0000	1.0000
L35	43	CCI 6" x 1" Plate	56.75 - 57.00	1.0000	1.0000
L35	44	CCI 6" x 1" Plate	56.75 - 57.00	1.0000	1.0000
L35	45	CCI 6" x 1" Plate	56.75 - 57.00	1.0000	1.0000
L36	18	PL 5.375"x1.25"	53.00 - 56.75	1.0000	1.0000
L36	19	PL 5.375"x1.25"	53.00 - 56.75	1.0000	1.0000
L36	20	PL 5.375"x1.25"	53.00 - 56.75	1.0000	1.0000
L36	34	MP3-03	53.00 - 56.75	1.0000	1.0000
L36	35	MP3-03	53.00 - 56.75	1.0000	1.0000
L36	36	MP3-03	53.00 - 56.75	1.0000	1.0000
L36	42	CCI 6" x 1" Plate	53.00 - 55.00	1.0000	1.0000
L36	43	CCI 6" x 1" Plate	53.00 - 56.75	1.0000	1.0000
L36	44	CCI 6" x 1" Plate	53.00 - 56.75	1.0000	1.0000
L36	45	CCI 6" x 1" Plate	53.00 - 56.75	1.0000	1.0000
L37	18	PL 5.375"x1.25"	47.20 - 53.00	1.0000	1.0000
L37	19	PL 5.375"x1.25"	47.20 - 53.00	1.0000	1.0000
L37	20	PL 5.375"x1.25"	47.20 - 53.00	1.0000	1.0000
L37	34	MP3-03	47.20 - 53.00	1.0000	1.0000
L37	35	MP3-03	47.20 - 53.00	1.0000	1.0000
L37	36	MP3-03	47.20 - 53.00	1.0000	1.0000
L37	42	CCI 6" x 1" Plate	47.20 - 53.00	1.0000	1.0000

tnxTower

B+T Group
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Client
Crown Castle
Designed by
V. RAO

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L37	43	CCI 6" x 1" Plate	47.20 - 53.00	1.0000	1.0000
L37	44	CCI 6" x 1" Plate	47.20 - 53.00	1.0000	1.0000
L37	45	CCI 6" x 1" Plate	47.21 - 53.00	1.0000	1.0000
L38	18	PL 5.375"x1.25"	46.20 - 47.20	1.0000	1.0000
L38	19	PL 5.375"x1.25"	46.20 - 47.20	1.0000	1.0000
L38	20	PL 5.375"x1.25"	46.20 - 47.20	1.0000	1.0000
L38	34	MP3-03	46.20 - 47.20	1.0000	1.0000
L38	35	MP3-03	46.20 - 47.20	1.0000	1.0000
L38	36	MP3-03	46.20 - 47.20	1.0000	1.0000
L38	42	CCI 6" x 1" Plate	46.20 - 47.20	1.0000	1.0000
L38	43	CCI 6" x 1" Plate	46.20 - 47.20	1.0000	1.0000
L38	44	CCI 6" x 1" Plate	46.20 - 47.20	1.0000	1.0000
L39	18	PL 5.375"x1.25"	41.20 - 46.20	1.0000	1.0000
L39	19	PL 5.375"x1.25"	41.20 - 46.20	1.0000	1.0000
L39	20	PL 5.375"x1.25"	41.20 - 46.20	1.0000	1.0000
L39	34	MP3-03	41.20 - 46.20	1.0000	1.0000
L39	35	MP3-03	41.20 - 46.20	1.0000	1.0000
L39	36	MP3-03	41.20 - 46.20	1.0000	1.0000
L39	42	CCI 6" x 1" Plate	41.20 - 46.20	1.0000	1.0000
L39	43	CCI 6" x 1" Plate	41.20 - 46.20	1.0000	1.0000
L39	44	CCI 6" x 1" Plate	41.20 - 46.20	1.0000	1.0000
L40	18	PL 5.375"x1.25"	39.33 - 41.20	1.0000	1.0000
L40	19	PL 5.375"x1.25"	39.33 - 41.20	1.0000	1.0000
L40	20	PL 5.375"x1.25"	39.33 - 41.20	1.0000	1.0000
L40	30	MP3-03	39.33 - 40.50	1.0000	1.0000
L40	31	MP3-03	39.33 - 40.50	1.0000	1.0000
L40	32	MP3-03	39.33 - 40.50	1.0000	1.0000
L40	34	MP3-03	39.33 - 41.20	1.0000	1.0000
L40	35	MP3-03	39.33 - 41.20	1.0000	1.0000
L40	36	MP3-03	39.33 - 41.20	1.0000	1.0000
L40	42	CCI 6" x 1" Plate	39.33 - 41.20	1.0000	1.0000
L40	43	CCI 6" x 1" Plate	39.33 - 41.20	1.0000	1.0000
L40	44	CCI 6" x 1" Plate	39.33 - 41.20	1.0000	1.0000
L41	18	PL 5.375"x1.25"	39.08 - 39.33	1.0000	1.0000
L41	19	PL 5.375"x1.25"	39.08 - 39.33	1.0000	1.0000
L41	20	PL 5.375"x1.25"	39.08 - 39.33	1.0000	1.0000
L41	30	MP3-03	39.08 - 39.33	1.0000	1.0000
L41	31	MP3-03	39.08 - 39.33	1.0000	1.0000
L41	32	MP3-03	39.08 - 39.33	1.0000	1.0000
L41	34	MP3-03	39.08 - 39.33	1.0000	1.0000
L41	35	MP3-03	39.08 - 39.33	1.0000	1.0000
L41	36	MP3-03	39.08 - 39.33	1.0000	1.0000
L41	42	CCI 6" x 1" Plate	39.08 - 39.33	1.0000	1.0000
L41	43	CCI 6" x 1" Plate	39.08 - 39.33	1.0000	1.0000
L41	44	CCI 6" x 1" Plate	39.08 - 39.33	1.0000	1.0000
L42	18	PL 5.375"x1.25"	37.75 - 39.08	1.0000	1.0000
L42	19	PL 5.375"x1.25"	37.75 - 39.08	1.0000	1.0000
L42	20	PL 5.375"x1.25"	37.75 - 39.08	1.0000	1.0000
L42	30	MP3-03	37.75 - 39.08	1.0000	1.0000
L42	31	MP3-03	37.75 - 39.08	1.0000	1.0000
L42	32	MP3-03	37.75 - 39.08	1.0000	1.0000
L42	34	MP3-03	37.75 - 39.08	1.0000	1.0000
L42	35	MP3-03	37.75 - 39.08	1.0000	1.0000
L42	36	MP3-03	37.75 - 39.08	1.0000	1.0000
L42	42	CCI 6" x 1" Plate	37.75 - 39.08	1.0000	1.0000
L42	43	CCI 6" x 1" Plate	37.75 - 39.08	1.0000	1.0000
L42	44	CCI 6" x 1" Plate	37.75 - 39.08	1.0000	1.0000
L43	18	PL 5.375"x1.25"	37.50 - 37.75	1.0000	1.0000
L43	19	PL 5.375"x1.25"	37.50 - 37.75	1.0000	1.0000
L43	20	PL 5.375"x1.25"	37.50 - 37.75	1.0000	1.0000
L43	30	MP3-03	37.50 - 37.75	1.0000	1.0000
L43	31	MP3-03	37.50 - 37.75	1.0000	1.0000

tnxTower

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Client
Crown Castle
Designed by
V. RAO

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L43	32	MP3-03	37.50 - 37.75	1.0000	1.0000
L43	34	MP3-03	37.50 - 37.75	1.0000	1.0000
L43	35	MP3-03	37.50 - 37.75	1.0000	1.0000
L43	36	MP3-03	37.50 - 37.75	1.0000	1.0000
L43	42	CCI 6" x 1" Plate	37.50 - 37.75	1.0000	1.0000
L43	43	CCI 6" x 1" Plate	37.50 - 37.75	1.0000	1.0000
L43	44	CCI 6" x 1" Plate	37.50 - 37.75	1.0000	1.0000
L44	18	PL 5.375"x1.25"	32.50 - 37.50	1.0000	1.0000
L44	19	PL 5.375"x1.25"	32.50 - 37.50	1.0000	1.0000
L44	20	PL 5.375"x1.25"	32.50 - 37.50	1.0000	1.0000
L44	30	MP3-03	32.50 - 37.50	1.0000	1.0000
L44	31	MP3-03	32.50 - 37.50	1.0000	1.0000
L44	32	MP3-03	32.50 - 37.50	1.0000	1.0000
L44	34	MP3-03	36.58 - 37.50	1.0000	1.0000
L44	35	MP3-03	36.58 - 37.50	1.0000	1.0000
L44	36	MP3-03	36.58 - 37.50	1.0000	1.0000
L44	42	CCI 6" x 1" Plate	32.50 - 37.50	1.0000	1.0000
L44	43	CCI 6" x 1" Plate	32.50 - 37.50	1.0000	1.0000
L44	44	CCI 6" x 1" Plate	32.50 - 37.50	1.0000	1.0000
L45	18	PL 5.375"x1.25"	27.50 - 32.50	1.0000	1.0000
L45	19	PL 5.375"x1.25"	27.50 - 32.50	1.0000	1.0000
L45	20	PL 5.375"x1.25"	27.50 - 32.50	1.0000	1.0000
L45	30	MP3-03	27.50 - 32.50	1.0000	1.0000
L45	31	MP3-03	27.50 - 32.50	1.0000	1.0000
L45	32	MP3-03	27.50 - 32.50	1.0000	1.0000
L45	42	CCI 6" x 1" Plate	27.50 - 32.50	1.0000	1.0000
L45	43	CCI 6" x 1" Plate	27.50 - 32.50	1.0000	1.0000
L45	44	CCI 6" x 1" Plate	27.50 - 32.50	1.0000	1.0000
L46	18	PL 5.375"x1.25"	27.25 - 27.50	1.0000	1.0000
L46	19	PL 5.375"x1.25"	27.25 - 27.50	1.0000	1.0000
L46	20	PL 5.375"x1.25"	27.25 - 27.50	1.0000	1.0000
L46	30	MP3-03	27.25 - 27.50	1.0000	1.0000
L46	31	MP3-03	27.25 - 27.50	1.0000	1.0000
L46	32	MP3-03	27.25 - 27.50	1.0000	1.0000
L46	42	CCI 6" x 1" Plate	27.25 - 27.50	1.0000	1.0000
L46	43	CCI 6" x 1" Plate	27.25 - 27.50	1.0000	1.0000
L46	44	CCI 6" x 1" Plate	27.25 - 27.50	1.0000	1.0000
L47	18	PL 5.375"x1.25"	27.00 - 27.25	1.0000	1.0000
L47	19	PL 5.375"x1.25"	27.00 - 27.25	1.0000	1.0000
L47	20	PL 5.375"x1.25"	27.00 - 27.25	1.0000	1.0000
L47	30	MP3-03	27.00 - 27.25	1.0000	1.0000
L47	31	MP3-03	27.00 - 27.25	1.0000	1.0000
L47	32	MP3-03	27.00 - 27.25	1.0000	1.0000
L47	42	CCI 6" x 1" Plate	27.00 - 27.25	1.0000	1.0000
L47	43	CCI 6" x 1" Plate	27.00 - 27.25	1.0000	1.0000
L47	44	CCI 6" x 1" Plate	27.00 - 27.25	1.0000	1.0000
L48	18	PL 5.375"x1.25"	22.00 - 27.00	1.0000	1.0000
L48	19	PL 5.375"x1.25"	22.00 - 27.00	1.0000	1.0000
L48	20	PL 5.375"x1.25"	22.00 - 27.00	1.0000	1.0000
L48	30	MP3-03	22.00 - 27.00	1.0000	1.0000
L48	31	MP3-03	22.00 - 27.00	1.0000	1.0000
L48	32	MP3-03	22.00 - 27.00	1.0000	1.0000
L48	40	CCI 8.5" x 1.25" Plate	22.00 - 25.00	1.0000	1.0000
L48	42	CCI 6" x 1" Plate	22.00 - 27.00	1.0000	1.0000
L48	43	CCI 6" x 1" Plate	22.00 - 27.00	1.0000	1.0000
L48	44	CCI 6" x 1" Plate	22.00 - 27.00	1.0000	1.0000
L49	18	PL 5.375"x1.25"	21.25 - 22.00	1.0000	1.0000
L49	19	PL 5.375"x1.25"	21.25 - 22.00	1.0000	1.0000
L49	20	PL 5.375"x1.25"	21.25 - 22.00	1.0000	1.0000
L49	30	MP3-03	21.25 - 22.00	1.0000	1.0000
L49	31	MP3-03	21.25 - 22.00	1.0000	1.0000
L49	32	MP3-03	21.25 - 22.00	1.0000	1.0000

tnxTower

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Job
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Client
Crown Castle
Designed by
V. RAO

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L49	40	CCI 8.5" x 1.25" Plate	21.25 - 22.00	1.0000	1.0000
L49	42	CCI 6" x 1" Plate	21.25 - 22.00	1.0000	1.0000
L49	43	CCI 6" x 1" Plate	21.25 - 22.00	1.0000	1.0000
L49	44	CCI 6" x 1" Plate	21.25 - 22.00	1.0000	1.0000
L50	18	PL 5.375"x1.25"	21.00 - 21.25	1.0000	1.0000
L50	19	PL 5.375"x1.25"	21.00 - 21.25	1.0000	1.0000
L50	20	PL 5.375"x1.25"	21.00 - 21.25	1.0000	1.0000
L50	30	MP3-03	21.00 - 21.25	1.0000	1.0000
L50	31	MP3-03	21.00 - 21.25	1.0000	1.0000
L50	32	MP3-03	21.00 - 21.25	1.0000	1.0000
L50	40	CCI 8.5" x 1.25" Plate	21.00 - 21.25	1.0000	1.0000
L50	42	CCI 6" x 1" Plate	21.00 - 21.25	1.0000	1.0000
L50	43	CCI 6" x 1" Plate	21.00 - 21.25	1.0000	1.0000
L50	44	CCI 6" x 1" Plate	21.00 - 21.25	1.0000	1.0000
L51	18	PL 5.375"x1.25"	17.00 - 21.00	1.0000	1.0000
L51	19	PL 5.375"x1.25"	17.00 - 21.00	1.0000	1.0000
L51	20	PL 5.375"x1.25"	17.00 - 21.00	1.0000	1.0000
L51	30	MP3-03	17.00 - 21.00	1.0000	1.0000
L51	31	MP3-03	17.00 - 21.00	1.0000	1.0000
L51	32	MP3-03	17.00 - 21.00	1.0000	1.0000
L51	38	CCI 8.5" x 1.25" Plate	17.00 - 20.00	1.0000	1.0000
L51	39	CCI 8.5" x 1.25" Plate	17.00 - 20.00	1.0000	1.0000
L51	40	CCI 8.5" x 1.25" Plate	17.00 - 21.00	1.0000	1.0000
L51	42	CCI 6" x 1" Plate	20.00 - 21.00	1.0000	1.0000
L51	43	CCI 6" x 1" Plate	20.00 - 21.00	1.0000	1.0000
L51	44	CCI 6" x 1" Plate	17.00 - 21.00	1.0000	1.0000
L52	18	PL 5.375"x1.25"	16.75 - 17.00	1.0000	1.0000
L52	19	PL 5.375"x1.25"	16.75 - 17.00	1.0000	1.0000
L52	20	PL 5.375"x1.25"	16.75 - 17.00	1.0000	1.0000
L52	30	MP3-03	16.75 - 17.00	1.0000	1.0000
L52	31	MP3-03	16.75 - 17.00	1.0000	1.0000
L52	32	MP3-03	16.75 - 17.00	1.0000	1.0000
L52	38	CCI 8.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L52	39	CCI 8.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L52	40	CCI 8.5" x 1.25" Plate	16.75 - 17.00	1.0000	1.0000
L52	44	CCI 6" x 1" Plate	16.75 - 17.00	1.0000	1.0000
L53	18	PL 5.375"x1.25"	16.25 - 16.75	1.0000	1.0000
L53	19	PL 5.375"x1.25"	16.25 - 16.75	1.0000	1.0000
L53	20	PL 5.375"x1.25"	16.25 - 16.75	1.0000	1.0000
L53	30	MP3-03	16.25 - 16.75	1.0000	1.0000
L53	31	MP3-03	16.25 - 16.75	1.0000	1.0000
L53	32	MP3-03	16.25 - 16.75	1.0000	1.0000
L53	38	CCI 8.5" x 1.25" Plate	16.25 - 16.75	1.0000	1.0000
L53	39	CCI 8.5" x 1.25" Plate	16.25 - 16.75	1.0000	1.0000
L53	40	CCI 8.5" x 1.25" Plate	16.25 - 16.75	1.0000	1.0000
L53	44	CCI 6" x 1" Plate	16.25 - 16.75	1.0000	1.0000
L54	18	PL 5.375"x1.25"	16.00 - 16.25	1.0000	1.0000
L54	19	PL 5.375"x1.25"	16.00 - 16.25	1.0000	1.0000
L54	20	PL 5.375"x1.25"	16.00 - 16.25	1.0000	1.0000
L54	30	MP3-03	16.00 - 16.25	1.0000	1.0000
L54	31	MP3-03	16.00 - 16.25	1.0000	1.0000
L54	32	MP3-03	16.00 - 16.25	1.0000	1.0000
L54	38	CCI 8.5" x 1.25" Plate	16.00 - 16.25	1.0000	1.0000
L54	39	CCI 8.5" x 1.25" Plate	16.00 - 16.25	1.0000	1.0000
L54	40	CCI 8.5" x 1.25" Plate	16.00 - 16.25	1.0000	1.0000
L54	44	CCI 6" x 1" Plate	16.00 - 16.25	1.0000	1.0000
L55	18	PL 5.375"x1.25"	11.00 - 16.00	1.0000	1.0000
L55	19	PL 5.375"x1.25"	11.00 - 16.00	1.0000	1.0000
L55	20	PL 5.375"x1.25"	11.00 - 16.00	1.0000	1.0000
L55	30	MP3-03	11.00 - 16.00	1.0000	1.0000
L55	31	MP3-03	11.00 - 16.00	1.0000	1.0000
L55	32	MP3-03	11.00 - 16.00	1.0000	1.0000

<p>tnxTower</p> <p>B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	<p>Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)</p>	<p>Page 25 of 64</p>
	<p>Project</p>	<p>Date 14:37:33 08/25/21</p>
	<p>Client Crown Castle</p>	<p>Designed by V. RAO</p>

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L55	38	CCI 8.5" x 1.25" Plate	11.00 - 16.00	1.0000	1.0000
L55	39	CCI 8.5" x 1.25" Plate	11.00 - 16.00	1.0000	1.0000
L55	40	CCI 8.5" x 1.25" Plate	11.00 - 16.00	1.0000	1.0000
L55	44	CCI 6" x 1" Plate	15.00 - 16.00	1.0000	1.0000
L56	18	PL 5.375"x1.25"	6.00 - 11.00	1.0000	1.0000
L56	19	PL 5.375"x1.25"	6.00 - 11.00	1.0000	1.0000
L56	20	PL 5.375"x1.25"	6.00 - 11.00	1.0000	1.0000
L56	30	MP3-03	6.00 - 11.00	1.0000	1.0000
L56	31	MP3-03	6.00 - 11.00	1.0000	1.0000
L56	32	MP3-03	6.00 - 11.00	1.0000	1.0000
L56	38	CCI 8.5" x 1.25" Plate	6.00 - 11.00	1.0000	1.0000
L56	39	CCI 8.5" x 1.25" Plate	6.00 - 11.00	1.0000	1.0000
L56	40	CCI 8.5" x 1.25" Plate	6.00 - 11.00	1.0000	1.0000
L57	18	PL 5.375"x1.25"	1.00 - 6.00	1.0000	1.0000
L57	19	PL 5.375"x1.25"	1.00 - 6.00	1.0000	1.0000
L57	20	PL 5.375"x1.25"	1.00 - 6.00	1.0000	1.0000
L57	30	MP3-03	1.00 - 6.00	1.0000	1.0000
L57	31	MP3-03	1.00 - 6.00	1.0000	1.0000
L57	32	MP3-03	1.00 - 6.00	1.0000	1.0000
L57	38	CCI 8.5" x 1.25" Plate	1.00 - 6.00	1.0000	1.0000
L57	39	CCI 8.5" x 1.25" Plate	1.00 - 6.00	1.0000	1.0000
L57	40	CCI 8.5" x 1.25" Plate	1.00 - 6.00	1.0000	1.0000
L58	18	PL 5.375"x1.25"	0.00 - 1.00	1.0000	1.0000
L58	19	PL 5.375"x1.25"	0.00 - 1.00	1.0000	1.0000
L58	20	PL 5.375"x1.25"	0.00 - 1.00	1.0000	1.0000
L58	30	MP3-03	0.00 - 1.00	1.0000	1.0000
L58	31	MP3-03	0.00 - 1.00	1.0000	1.0000
L58	32	MP3-03	0.00 - 1.00	1.0000	1.0000
L58	38	CCI 8.5" x 1.25" Plate	0.00 - 1.00	1.0000	1.0000
L58	39	CCI 8.5" x 1.25" Plate	0.00 - 1.00	1.0000	1.0000
L58	40	CCI 8.5" x 1.25" Plate	0.00 - 1.00	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
L7	26	PL 3.125"x1.25"	125.75 - 127.00	Auto	0.0000
L7	27	PL 3.125"x1.25"	125.75 - 127.00	Auto	0.0000
L7	28	PL 3.125"x1.25"	125.75 - 127.00	Auto	0.0000
L8	26	PL 3.125"x1.25"	125.50 - 125.75	Auto	0.0000
L8	27	PL 3.125"x1.25"	125.50 - 125.75	Auto	0.0000
L8	28	PL 3.125"x1.25"	125.50 - 125.75	Auto	0.0000
L9	26	PL 3.125"x1.25"	119.12 - 125.50	Auto	0.0000
L9	27	PL 3.125"x1.25"	119.12 - 125.50	Auto	0.0000
L9	28	PL 3.125"x1.25"	119.12 -	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L10	22	PL 4.375"x1.25"	125.50 117.87 - 119.00	Auto	0.0780
L10	23	PL 4.375"x1.25"	117.87 - 119.00	Auto	0.0780
L10	24	PL 4.375"x1.25"	117.87 - 119.00	Auto	0.0780
L10	26	PL 3.125"x1.25"	119.00 - 119.12	Auto	0.0000
L10	27	PL 3.125"x1.25"	119.00 - 119.12	Auto	0.0000
L10	28	PL 3.125"x1.25"	119.00 - 119.12	Auto	0.0000
L11	22	PL 4.375"x1.25"	117.75 - 117.87	Auto	0.0724
L11	23	PL 4.375"x1.25"	117.75 - 117.87	Auto	0.0724
L11	24	PL 4.375"x1.25"	117.75 - 117.87	Auto	0.0724
L12	22	PL 4.375"x1.25"	117.50 - 117.75	Auto	0.0708
L12	23	PL 4.375"x1.25"	117.50 - 117.75	Auto	0.0708
L12	24	PL 4.375"x1.25"	117.50 - 117.75	Auto	0.0708
L13	22	PL 4.375"x1.25"	112.50 - 117.50	Auto	0.1381
L13	23	PL 4.375"x1.25"	112.50 - 117.50	Auto	0.1381
L13	24	PL 4.375"x1.25"	112.50 - 117.50	Auto	0.1381
L14	22	PL 4.375"x1.25"	107.50 - 112.50	Auto	0.0914
L14	23	PL 4.375"x1.25"	107.50 - 112.50	Auto	0.0914
L14	24	PL 4.375"x1.25"	107.50 - 112.50	Auto	0.0914
L15	22	PL 4.375"x1.25"	103.00 - 107.50	Auto	0.0468
L15	23	PL 4.375"x1.25"	103.00 - 107.50	Auto	0.0468
L15	24	PL 4.375"x1.25"	103.00 - 107.50	Auto	0.0468
L15	43	CCI 6" x 1" Plate	103.00 - 105.00	Auto	0.2969
L15	44	CCI 6" x 1" Plate	103.00 - 105.00	Auto	0.2969
L16	22	PL 4.375"x1.25"	102.75 - 103.00	Auto	0.0610
L16	23	PL 4.375"x1.25"	102.75 - 103.00	Auto	0.0610
L16	24	PL 4.375"x1.25"	102.75 - 103.00	Auto	0.0610
L16	43	CCI 6" x 1" Plate	102.75 - 103.00	Auto	0.3153
L16	44	CCI 6" x 1" Plate	102.75 - 103.00	Auto	0.3153
L17	22	PL 4.375"x1.25"	100.21 - 102.75	Auto	0.0437
L17	23	PL 4.375"x1.25"	100.21 - 102.75	Auto	0.0437

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L17	24	PL 4.375"x1.25"	100.21 - 102.75	Auto	0.0437
L17	43	CCI 6" x 1" Plate	100.21 - 102.75	Auto	0.3027
L17	44	CCI 6" x 1" Plate	100.21 - 102.75	Auto	0.3027
L17	45	CCI 6" x 1" Plate	100.21 - 102.21	Auto	0.3009
L18	22	PL 4.375"x1.25"	95.83 - 100.21	Auto	0.0734
L18	23	PL 4.375"x1.25"	95.83 - 100.21	Auto	0.0734
L18	24	PL 4.375"x1.25"	95.83 - 100.21	Auto	0.0734
L18	43	CCI 6" x 1" Plate	95.83 - 100.21	Auto	0.3244
L18	44	CCI 6" x 1" Plate	95.83 - 100.21	Auto	0.3244
L18	45	CCI 6" x 1" Plate	95.83 - 100.21	Auto	0.3244
L19	22	PL 4.375"x1.25"	94.83 - 95.83	Auto	0.0895
L19	23	PL 4.375"x1.25"	94.83 - 95.83	Auto	0.0895
L19	24	PL 4.375"x1.25"	94.83 - 95.83	Auto	0.0895
L19	43	CCI 6" x 1" Plate	94.83 - 95.83	Auto	0.3361
L19	44	CCI 6" x 1" Plate	94.83 - 95.83	Auto	0.3361
L19	45	CCI 6" x 1" Plate	94.83 - 95.83	Auto	0.3361
L19	47	CCI 4.5" x 1" Plate	94.83 - 95.00	Auto	0.1112
L19	48	CCI 4.5" x 1" Plate	94.83 - 95.00	Auto	0.1112
L19	49	CCI 4.5" x 1" Plate	94.83 - 95.00	Auto	0.1112
L20	22	PL 4.375"x1.25"	93.50 - 94.83	Auto	0.0791
L20	23	PL 4.375"x1.25"	93.50 - 94.83	Auto	0.0791
L20	24	PL 4.375"x1.25"	93.50 - 94.83	Auto	0.0791
L20	43	CCI 6" x 1" Plate	93.50 - 94.83	Auto	0.3285
L20	44	CCI 6" x 1" Plate	93.50 - 94.83	Auto	0.3285
L20	45	CCI 6" x 1" Plate	93.50 - 94.83	Auto	0.3285
L20	47	CCI 4.5" x 1" Plate	93.50 - 94.83	Auto	0.1047
L20	48	CCI 4.5" x 1" Plate	93.50 - 94.83	Auto	0.1047
L20	49	CCI 4.5" x 1" Plate	93.50 - 94.83	Auto	0.1047
L21	22	PL 4.375"x1.25"	93.25 - 93.50	Auto	0.1425
L21	23	PL 4.375"x1.25"	93.25 - 93.50	Auto	0.1425
L21	24	PL 4.375"x1.25"	93.25 - 93.50	Auto	0.1425
L21	43	CCI 6" x 1" Plate	93.25 - 93.50	Auto	0.3747
L21	44	CCI 6" x 1" Plate	93.25 - 93.50	Auto	0.3747
L21	45	CCI 6" x 1" Plate	93.25 - 93.50	Auto	0.3747
L21	47	CCI 4.5" x 1" Plate	93.25 - 93.50	Auto	0.1663
L21	48	CCI 4.5" x 1" Plate	93.25 - 93.50	Auto	0.1663
L21	49	CCI 4.5" x 1" Plate	93.25 - 93.50	Auto	0.1663
L22	18	PL 5.375"x1.25"	88.25 - 89.25	Auto	0.2603
L22	19	PL 5.375"x1.25"	88.25 - 89.25	Auto	0.2603
L22	20	PL 5.375"x1.25"	88.25 - 89.25	Auto	0.2603
L22	22	PL 4.375"x1.25"	89.25 - 93.25	Auto	0.1135
L22	23	PL 4.375"x1.25"	89.25 - 93.25	Auto	0.1135
L22	24	PL 4.375"x1.25"	89.25 - 93.25	Auto	0.1135
L22	43	CCI 6" x 1" Plate	88.25 - 93.25	Auto	0.3503
L22	44	CCI 6" x 1" Plate	88.25 - 93.25	Auto	0.3503
L22	45	CCI 6" x 1" Plate	88.25 - 93.25	Auto	0.3503
L22	47	CCI 4.5" x 1" Plate	88.25 - 93.25	Auto	0.1338
L22	48	CCI 4.5" x 1" Plate	88.25 - 93.25	Auto	0.1338
L22	49	CCI 4.5" x 1" Plate	88.25 - 93.25	Auto	0.1338
L23	18	PL 5.375"x1.25"	87.25 - 88.25	Auto	0.2530
L23	19	PL 5.375"x1.25"	87.25 - 88.25	Auto	0.2530
L23	20	PL 5.375"x1.25"	87.25 - 88.25	Auto	0.2530
L23	43	CCI 6" x 1" Plate	87.25 - 88.25	Auto	0.3308
L23	44	CCI 6" x 1" Plate	87.25 - 88.25	Auto	0.3308
L23	45	CCI 6" x 1" Plate	87.25 - 88.25	Auto	0.3308
L23	47	CCI 4.5" x 1" Plate	87.25 - 88.25	Auto	0.1078
L23	48	CCI 4.5" x 1" Plate	87.25 - 88.25	Auto	0.1078

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L23	49	CCI 4.5" x 1" Plate	87.25 - 88.25	Auto	0.1078
L24	18	PL 5.375"x1.25"	87.00 - 87.25	Auto	0.2649
L24	19	PL 5.375"x1.25"	87.00 - 87.25	Auto	0.2649
L24	20	PL 5.375"x1.25"	87.00 - 87.25	Auto	0.2649
L24	43	CCI 6" x 1" Plate	87.00 - 87.25	Auto	0.3414
L24	44	CCI 6" x 1" Plate	87.00 - 87.25	Auto	0.3414
L24	45	CCI 6" x 1" Plate	87.00 - 87.25	Auto	0.3414
L24	47	CCI 4.5" x 1" Plate	87.00 - 87.25	Auto	0.1219
L24	48	CCI 4.5" x 1" Plate	87.00 - 87.25	Auto	0.1219
L24	49	CCI 4.5" x 1" Plate	87.00 - 87.25	Auto	0.1219
L25	18	PL 5.375"x1.25"	86.50 - 87.00	Auto	0.2581
L25	19	PL 5.375"x1.25"	86.50 - 87.00	Auto	0.2581
L25	20	PL 5.375"x1.25"	86.50 - 87.00	Auto	0.2581
L25	43	CCI 6" x 1" Plate	86.50 - 87.00	Auto	0.3353
L25	44	CCI 6" x 1" Plate	86.50 - 87.00	Auto	0.3353
L25	45	CCI 6" x 1" Plate	86.50 - 87.00	Auto	0.3353
L25	47	CCI 4.5" x 1" Plate	86.50 - 87.00	Auto	0.1138
L25	48	CCI 4.5" x 1" Plate	86.50 - 87.00	Auto	0.1138
L25	49	CCI 4.5" x 1" Plate	86.50 - 87.00	Auto	0.1138
L26	18	PL 5.375"x1.25"	86.25 - 86.50	Auto	0.2021
L26	19	PL 5.375"x1.25"	86.25 - 86.50	Auto	0.2021
L26	20	PL 5.375"x1.25"	86.25 - 86.50	Auto	0.2021
L26	43	CCI 6" x 1" Plate	86.25 - 86.50	Auto	0.2852
L26	44	CCI 6" x 1" Plate	86.25 - 86.50	Auto	0.2852
L26	45	CCI 6" x 1" Plate	86.25 - 86.50	Auto	0.2852
L26	47	CCI 4.5" x 1" Plate	86.25 - 86.50	Auto	0.0470
L26	48	CCI 4.5" x 1" Plate	86.25 - 86.50	Auto	0.0470
L26	49	CCI 4.5" x 1" Plate	86.25 - 86.50	Auto	0.0470
L27	18	PL 5.375"x1.25"	81.25 - 86.25	Auto	0.1749
L27	19	PL 5.375"x1.25"	81.25 - 86.25	Auto	0.1749
L27	20	PL 5.375"x1.25"	81.25 - 86.25	Auto	0.1749
L27	43	CCI 6" x 1" Plate	81.25 - 86.25	Auto	0.2608
L27	44	CCI 6" x 1" Plate	81.25 - 86.25	Auto	0.2608
L27	45	CCI 6" x 1" Plate	81.25 - 86.25	Auto	0.2608
L27	47	CCI 4.5" x 1" Plate	85.00 - 86.25	Auto	0.0307
L27	48	CCI 4.5" x 1" Plate	85.00 - 86.25	Auto	0.0307
L27	49	CCI 4.5" x 1" Plate	85.00 - 86.25	Auto	0.0307
L28	18	PL 5.375"x1.25"	76.25 - 81.25	Auto	0.1345
L28	19	PL 5.375"x1.25"	76.25 - 81.25	Auto	0.1345
L28	20	PL 5.375"x1.25"	76.25 - 81.25	Auto	0.1345
L28	34	MP3-03	76.25 - 76.58	Auto	0.0000
L28	35	MP3-03	76.25 - 76.58	Auto	0.0000
L28	36	MP3-03	76.25 - 76.58	Auto	0.0000
L28	43	CCI 6" x 1" Plate	76.25 - 81.25	Auto	0.2247
L28	44	CCI 6" x 1" Plate	76.25 - 81.25	Auto	0.2247
L28	45	CCI 6" x 1" Plate	76.25 - 81.25	Auto	0.2247
L29	18	PL 5.375"x1.25"	75.42 - 76.25	Auto	0.1134
L29	19	PL 5.375"x1.25"	75.42 - 76.25	Auto	0.1134
L29	20	PL 5.375"x1.25"	75.42 - 76.25	Auto	0.1134
L29	34	MP3-03	75.42 - 76.25	Auto	0.0000
L29	35	MP3-03	75.42 - 76.25	Auto	0.0000
L29	36	MP3-03	75.42 - 76.25	Auto	0.0000
L29	43	CCI 6" x 1" Plate	75.42 - 76.25	Auto	0.2057
L29	44	CCI 6" x 1" Plate	75.42 - 76.25	Auto	0.2057
L29	45	CCI 6" x 1" Plate	75.42 - 76.25	Auto	0.2057
L30	18	PL 5.375"x1.25"	75.17 - 75.42	Auto	0.1381
L30	19	PL 5.375"x1.25"	75.17 - 75.42	Auto	0.1381
L30	20	PL 5.375"x1.25"	75.17 - 75.42	Auto	0.1381
L30	34	MP3-03	75.17 - 75.42	Auto	0.0000
L30	35	MP3-03	75.17 - 75.42	Auto	0.0000
L30	36	MP3-03	75.17 - 75.42	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L30	43	CCI 6" x 1" Plate	75.17 - 75.42	Auto	0.2279
L30	44	CCI 6" x 1" Plate	75.17 - 75.42	Auto	0.2279
L30	45	CCI 6" x 1" Plate	75.17 - 75.42	Auto	0.2279
L31	18	PL 5.375"x1.25"	70.17 - 75.17	Auto	0.1150
L31	19	PL 5.375"x1.25"	70.17 - 75.17	Auto	0.1150
L31	20	PL 5.375"x1.25"	70.17 - 75.17	Auto	0.1150
L31	34	MP3-03	70.17 - 75.17	Auto	0.0000
L31	35	MP3-03	70.17 - 75.17	Auto	0.0000
L31	36	MP3-03	70.17 - 75.17	Auto	0.0000
L31	43	CCI 6" x 1" Plate	70.17 - 75.17	Auto	0.2072
L31	44	CCI 6" x 1" Plate	70.17 - 75.17	Auto	0.2072
L31	45	CCI 6" x 1" Plate	70.17 - 75.17	Auto	0.2072
L32	18	PL 5.375"x1.25"	65.17 - 70.17	Auto	0.0746
L32	19	PL 5.375"x1.25"	65.17 - 70.17	Auto	0.0746
L32	20	PL 5.375"x1.25"	65.17 - 70.17	Auto	0.0746
L32	34	MP3-03	65.17 - 70.17	Auto	0.0000
L32	35	MP3-03	65.17 - 70.17	Auto	0.0000
L32	36	MP3-03	65.17 - 70.17	Auto	0.0000
L32	43	CCI 6" x 1" Plate	65.17 - 70.17	Auto	0.1710
L32	44	CCI 6" x 1" Plate	65.17 - 70.17	Auto	0.1710
L32	45	CCI 6" x 1" Plate	65.17 - 70.17	Auto	0.1710
L33	18	PL 5.375"x1.25"	60.17 - 65.17	Auto	0.0301
L33	19	PL 5.375"x1.25"	60.17 - 65.17	Auto	0.0301
L33	20	PL 5.375"x1.25"	60.17 - 65.17	Auto	0.0301
L33	34	MP3-03	60.17 - 65.17	Auto	0.0000
L33	35	MP3-03	60.17 - 65.17	Auto	0.0000
L33	36	MP3-03	60.17 - 65.17	Auto	0.0000
L33	43	CCI 6" x 1" Plate	60.17 - 65.17	Auto	0.1312
L33	44	CCI 6" x 1" Plate	60.17 - 65.17	Auto	0.1312
L33	45	CCI 6" x 1" Plate	60.17 - 65.17	Auto	0.1312
L34	18	PL 5.375"x1.25"	57.00 - 60.17	Auto	0.0014
L34	19	PL 5.375"x1.25"	57.00 - 60.17	Auto	0.0014
L34	20	PL 5.375"x1.25"	57.00 - 60.17	Auto	0.0014
L34	34	MP3-03	57.00 - 60.17	Auto	0.0000
L34	35	MP3-03	57.00 - 60.17	Auto	0.0000
L34	36	MP3-03	57.00 - 60.17	Auto	0.0000
L34	43	CCI 6" x 1" Plate	57.00 - 60.17	Auto	0.1010
L34	44	CCI 6" x 1" Plate	57.00 - 60.17	Auto	0.1010
L34	45	CCI 6" x 1" Plate	57.00 - 60.17	Auto	0.1010
L35	18	PL 5.375"x1.25"	56.75 - 57.00	Auto	0.0000
L35	19	PL 5.375"x1.25"	56.75 - 57.00	Auto	0.0000
L35	20	PL 5.375"x1.25"	56.75 - 57.00	Auto	0.0000
L35	34	MP3-03	56.75 - 57.00	Auto	0.0000
L35	35	MP3-03	56.75 - 57.00	Auto	0.0000
L35	36	MP3-03	56.75 - 57.00	Auto	0.0000
L35	43	CCI 6" x 1" Plate	56.75 - 57.00	Auto	0.0899
L35	44	CCI 6" x 1" Plate	56.75 - 57.00	Auto	0.0899
L35	45	CCI 6" x 1" Plate	56.75 - 57.00	Auto	0.0899
L36	18	PL 5.375"x1.25"	53.00 - 56.75	Auto	0.0000
L36	19	PL 5.375"x1.25"	53.00 - 56.75	Auto	0.0000
L36	20	PL 5.375"x1.25"	53.00 - 56.75	Auto	0.0000
L36	34	MP3-03	53.00 - 56.75	Auto	0.0000
L36	35	MP3-03	53.00 - 56.75	Auto	0.0000
L36	36	MP3-03	53.00 - 56.75	Auto	0.0000
L36	42	CCI 6" x 1" Plate	53.00 - 55.00	Auto	0.0675
L36	43	CCI 6" x 1" Plate	53.00 - 56.75	Auto	0.0732
L36	44	CCI 6" x 1" Plate	53.00 - 56.75	Auto	0.0732
L36	45	CCI 6" x 1" Plate	53.00 - 56.75	Auto	0.0732
L37	18	PL 5.375"x1.25"	47.20 - 53.00	Auto	0.0000
L37	19	PL 5.375"x1.25"	47.20 - 53.00	Auto	0.0000
L37	20	PL 5.375"x1.25"	47.20 - 53.00	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L37	34	MP3-03	47.20 - 53.00	Auto	0.0000
L37	35	MP3-03	47.20 - 53.00	Auto	0.0000
L37	36	MP3-03	47.20 - 53.00	Auto	0.0000
L37	42	CCI 6" x 1" Plate	47.20 - 53.00	Auto	0.0422
L37	43	CCI 6" x 1" Plate	47.20 - 53.00	Auto	0.0422
L37	44	CCI 6" x 1" Plate	47.20 - 53.00	Auto	0.0422
L37	45	CCI 6" x 1" Plate	47.21 - 53.00	Auto	0.0422
L38	18	PL 5.375"x1.25"	46.20 - 47.20	Auto	0.0000
L38	19	PL 5.375"x1.25"	46.20 - 47.20	Auto	0.0000
L38	20	PL 5.375"x1.25"	46.20 - 47.20	Auto	0.0000
L38	34	MP3-03	46.20 - 47.20	Auto	0.0000
L38	35	MP3-03	46.20 - 47.20	Auto	0.0000
L38	36	MP3-03	46.20 - 47.20	Auto	0.0000
L38	42	CCI 6" x 1" Plate	46.20 - 47.20	Auto	0.0458
L38	43	CCI 6" x 1" Plate	46.20 - 47.20	Auto	0.0458
L38	44	CCI 6" x 1" Plate	46.20 - 47.20	Auto	0.0458
L39	18	PL 5.375"x1.25"	41.20 - 46.20	Auto	0.0000
L39	19	PL 5.375"x1.25"	41.20 - 46.20	Auto	0.0000
L39	20	PL 5.375"x1.25"	41.20 - 46.20	Auto	0.0000
L39	34	MP3-03	41.20 - 46.20	Auto	0.0000
L39	35	MP3-03	41.20 - 46.20	Auto	0.0000
L39	36	MP3-03	41.20 - 46.20	Auto	0.0000
L39	42	CCI 6" x 1" Plate	41.20 - 46.20	Auto	0.0226
L39	43	CCI 6" x 1" Plate	41.20 - 46.20	Auto	0.0226
L39	44	CCI 6" x 1" Plate	41.20 - 46.20	Auto	0.0226
L40	18	PL 5.375"x1.25"	39.33 - 41.20	Auto	0.0000
L40	19	PL 5.375"x1.25"	39.33 - 41.20	Auto	0.0000
L40	20	PL 5.375"x1.25"	39.33 - 41.20	Auto	0.0000
L40	30	MP3-03	39.33 - 40.50	Auto	0.0000
L40	31	MP3-03	39.33 - 40.50	Auto	0.0000
L40	32	MP3-03	39.33 - 40.50	Auto	0.0000
L40	34	MP3-03	39.33 - 41.20	Auto	0.0000
L40	35	MP3-03	39.33 - 41.20	Auto	0.0000
L40	36	MP3-03	39.33 - 41.20	Auto	0.0000
L40	42	CCI 6" x 1" Plate	39.33 - 41.20	Auto	0.0017
L40	43	CCI 6" x 1" Plate	39.33 - 41.20	Auto	0.0017
L40	44	CCI 6" x 1" Plate	39.33 - 41.20	Auto	0.0017
L41	18	PL 5.375"x1.25"	39.08 - 39.33	Auto	0.0000
L41	19	PL 5.375"x1.25"	39.08 - 39.33	Auto	0.0000
L41	20	PL 5.375"x1.25"	39.08 - 39.33	Auto	0.0000
L41	30	MP3-03	39.08 - 39.33	Auto	0.0000
L41	31	MP3-03	39.08 - 39.33	Auto	0.0000
L41	32	MP3-03	39.08 - 39.33	Auto	0.0000
L41	34	MP3-03	39.08 - 39.33	Auto	0.0000
L41	35	MP3-03	39.08 - 39.33	Auto	0.0000
L41	36	MP3-03	39.08 - 39.33	Auto	0.0000
L41	42	CCI 6" x 1" Plate	39.08 - 39.33	Auto	0.0154
L41	43	CCI 6" x 1" Plate	39.08 - 39.33	Auto	0.0154
L41	44	CCI 6" x 1" Plate	39.08 - 39.33	Auto	0.0154
L42	18	PL 5.375"x1.25"	37.75 - 39.08	Auto	0.0000
L42	19	PL 5.375"x1.25"	37.75 - 39.08	Auto	0.0000
L42	20	PL 5.375"x1.25"	37.75 - 39.08	Auto	0.0000
L42	30	MP3-03	37.75 - 39.08	Auto	0.0000
L42	31	MP3-03	37.75 - 39.08	Auto	0.0000
L42	32	MP3-03	37.75 - 39.08	Auto	0.0000
L42	34	MP3-03	37.75 - 39.08	Auto	0.0000
L42	35	MP3-03	37.75 - 39.08	Auto	0.0000
L42	36	MP3-03	37.75 - 39.08	Auto	0.0000
L42	42	CCI 6" x 1" Plate	37.75 - 39.08	Auto	0.0103
L42	43	CCI 6" x 1" Plate	37.75 - 39.08	Auto	0.0103
L42	44	CCI 6" x 1" Plate	37.75 - 39.08	Auto	0.0103

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	18	PL 5.375"x1.25"	37.50 - 37.75	Auto	0.0000
L43	19	PL 5.375"x1.25"	37.50 - 37.75	Auto	0.0000
L43	20	PL 5.375"x1.25"	37.50 - 37.75	Auto	0.0000
L43	30	MP3-03	37.50 - 37.75	Auto	0.0000
L43	31	MP3-03	37.50 - 37.75	Auto	0.0000
L43	32	MP3-03	37.50 - 37.75	Auto	0.0000
L43	34	MP3-03	37.50 - 37.75	Auto	0.0000
L43	35	MP3-03	37.50 - 37.75	Auto	0.0000
L43	36	MP3-03	37.50 - 37.75	Auto	0.0000
L43	42	CCI 6" x 1" Plate	37.50 - 37.75	Auto	0.0000
L43	43	CCI 6" x 1" Plate	37.50 - 37.75	Auto	0.0000
L43	44	CCI 6" x 1" Plate	37.50 - 37.75	Auto	0.0000
L44	18	PL 5.375"x1.25"	32.50 - 37.50	Auto	0.0000
L44	19	PL 5.375"x1.25"	32.50 - 37.50	Auto	0.0000
L44	20	PL 5.375"x1.25"	32.50 - 37.50	Auto	0.0000
L44	30	MP3-03	32.50 - 37.50	Auto	0.0000
L44	31	MP3-03	32.50 - 37.50	Auto	0.0000
L44	32	MP3-03	32.50 - 37.50	Auto	0.0000
L44	34	MP3-03	36.58 - 37.50	Auto	0.0000
L44	35	MP3-03	36.58 - 37.50	Auto	0.0000
L44	36	MP3-03	36.58 - 37.50	Auto	0.0000
L44	42	CCI 6" x 1" Plate	32.50 - 37.50	Auto	0.0000
L44	43	CCI 6" x 1" Plate	32.50 - 37.50	Auto	0.0000
L44	44	CCI 6" x 1" Plate	32.50 - 37.50	Auto	0.0000
L45	18	PL 5.375"x1.25"	27.50 - 32.50	Auto	0.0000
L45	19	PL 5.375"x1.25"	27.50 - 32.50	Auto	0.0000
L45	20	PL 5.375"x1.25"	27.50 - 32.50	Auto	0.0000
L45	30	MP3-03	27.50 - 32.50	Auto	0.0000
L45	31	MP3-03	27.50 - 32.50	Auto	0.0000
L45	32	MP3-03	27.50 - 32.50	Auto	0.0000
L45	42	CCI 6" x 1" Plate	27.50 - 32.50	Auto	0.0000
L45	43	CCI 6" x 1" Plate	27.50 - 32.50	Auto	0.0000
L45	44	CCI 6" x 1" Plate	27.50 - 32.50	Auto	0.0000
L46	18	PL 5.375"x1.25"	27.25 - 27.50	Auto	0.0000
L46	19	PL 5.375"x1.25"	27.25 - 27.50	Auto	0.0000
L46	20	PL 5.375"x1.25"	27.25 - 27.50	Auto	0.0000
L46	30	MP3-03	27.25 - 27.50	Auto	0.0000
L46	31	MP3-03	27.25 - 27.50	Auto	0.0000
L46	32	MP3-03	27.25 - 27.50	Auto	0.0000
L46	42	CCI 6" x 1" Plate	27.25 - 27.50	Auto	0.0000
L46	43	CCI 6" x 1" Plate	27.25 - 27.50	Auto	0.0000
L46	44	CCI 6" x 1" Plate	27.25 - 27.50	Auto	0.0000
L47	18	PL 5.375"x1.25"	27.00 - 27.25	Auto	0.0000
L47	19	PL 5.375"x1.25"	27.00 - 27.25	Auto	0.0000
L47	20	PL 5.375"x1.25"	27.00 - 27.25	Auto	0.0000
L47	30	MP3-03	27.00 - 27.25	Auto	0.0000
L47	31	MP3-03	27.00 - 27.25	Auto	0.0000
L47	32	MP3-03	27.00 - 27.25	Auto	0.0000
L47	42	CCI 6" x 1" Plate	27.00 - 27.25	Auto	0.0000
L47	43	CCI 6" x 1" Plate	27.00 - 27.25	Auto	0.0000
L47	44	CCI 6" x 1" Plate	27.00 - 27.25	Auto	0.0000
L48	18	PL 5.375"x1.25"	22.00 - 27.00	Auto	0.0000
L48	19	PL 5.375"x1.25"	22.00 - 27.00	Auto	0.0000
L48	20	PL 5.375"x1.25"	22.00 - 27.00	Auto	0.0000
L48	30	MP3-03	22.00 - 27.00	Auto	0.0000
L48	31	MP3-03	22.00 - 27.00	Auto	0.0000
L48	32	MP3-03	22.00 - 27.00	Auto	0.0000
L48	40	CCI 8.5" x 1.25" Plate	22.00 - 25.00	Auto	0.2097
L48	42	CCI 6" x 1" Plate	22.00 - 27.00	Auto	0.0000
L48	43	CCI 6" x 1" Plate	22.00 - 27.00	Auto	0.0000
L48	44	CCI 6" x 1" Plate	22.00 - 27.00	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L49	18	PL 5.375"x1.25"	21.25 - 22.00	Auto	0.0000
L49	19	PL 5.375"x1.25"	21.25 - 22.00	Auto	0.0000
L49	20	PL 5.375"x1.25"	21.25 - 22.00	Auto	0.0000
L49	30	MP3-03	21.25 - 22.00	Auto	0.0000
L49	31	MP3-03	21.25 - 22.00	Auto	0.0000
L49	32	MP3-03	21.25 - 22.00	Auto	0.0000
L49	40	CCI 8.5" x 1.25" Plate	21.25 - 22.00	Auto	0.2011
L49	42	CCI 6" x 1" Plate	21.25 - 22.00	Auto	0.0000
L49	43	CCI 6" x 1" Plate	21.25 - 22.00	Auto	0.0000
L49	44	CCI 6" x 1" Plate	21.25 - 22.00	Auto	0.0000
L50	18	PL 5.375"x1.25"	21.00 - 21.25	Auto	0.0000
L50	19	PL 5.375"x1.25"	21.00 - 21.25	Auto	0.0000
L50	20	PL 5.375"x1.25"	21.00 - 21.25	Auto	0.0000
L50	30	MP3-03	21.00 - 21.25	Auto	0.0000
L50	31	MP3-03	21.00 - 21.25	Auto	0.0000
L50	32	MP3-03	21.00 - 21.25	Auto	0.0000
L50	40	CCI 8.5" x 1.25" Plate	21.00 - 21.25	Auto	0.2014
L50	42	CCI 6" x 1" Plate	21.00 - 21.25	Auto	0.0000
L50	43	CCI 6" x 1" Plate	21.00 - 21.25	Auto	0.0000
L50	44	CCI 6" x 1" Plate	21.00 - 21.25	Auto	0.0000
L51	18	PL 5.375"x1.25"	17.00 - 21.00	Auto	0.0000
L51	19	PL 5.375"x1.25"	17.00 - 21.00	Auto	0.0000
L51	20	PL 5.375"x1.25"	17.00 - 21.00	Auto	0.0000
L51	30	MP3-03	17.00 - 21.00	Auto	0.0000
L51	31	MP3-03	17.00 - 21.00	Auto	0.0000
L51	32	MP3-03	17.00 - 21.00	Auto	0.0000
L51	38	CCI 8.5" x 1.25" Plate	17.00 - 20.00	Auto	0.1867
L51	39	CCI 8.5" x 1.25" Plate	17.00 - 20.00	Auto	0.1867
L51	40	CCI 8.5" x 1.25" Plate	17.00 - 21.00	Auto	0.1890
L51	42	CCI 6" x 1" Plate	20.00 - 21.00	Auto	0.0000
L51	43	CCI 6" x 1" Plate	20.00 - 21.00	Auto	0.0000
L51	44	CCI 6" x 1" Plate	17.00 - 21.00	Auto	0.0000
L52	18	PL 5.375"x1.25"	16.75 - 17.00	Auto	0.0000
L52	19	PL 5.375"x1.25"	16.75 - 17.00	Auto	0.0000
L52	20	PL 5.375"x1.25"	16.75 - 17.00	Auto	0.0000
L52	30	MP3-03	16.75 - 17.00	Auto	0.0000
L52	31	MP3-03	16.75 - 17.00	Auto	0.0000
L52	32	MP3-03	16.75 - 17.00	Auto	0.0000
L52	38	CCI 8.5" x 1.25" Plate	16.75 - 17.00	Auto	0.1767
L52	39	CCI 8.5" x 1.25" Plate	16.75 - 17.00	Auto	0.1767
L52	40	CCI 8.5" x 1.25" Plate	16.75 - 17.00	Auto	0.1767
L52	44	CCI 6" x 1" Plate	16.75 - 17.00	Auto	0.0000
L53	18	PL 5.375"x1.25"	16.25 - 16.75	Auto	0.0000
L53	19	PL 5.375"x1.25"	16.25 - 16.75	Auto	0.0000
L53	20	PL 5.375"x1.25"	16.25 - 16.75	Auto	0.0000
L53	30	MP3-03	16.25 - 16.75	Auto	0.0000
L53	31	MP3-03	16.25 - 16.75	Auto	0.0000
L53	32	MP3-03	16.25 - 16.75	Auto	0.0000
L53	38	CCI 8.5" x 1.25" Plate	16.25 - 16.75	Auto	0.1750
L53	39	CCI 8.5" x 1.25" Plate	16.25 - 16.75	Auto	0.1750
L53	40	CCI 8.5" x 1.25" Plate	16.25 - 16.75	Auto	0.1750
L53	44	CCI 6" x 1" Plate	16.25 - 16.75	Auto	0.0000
L54	18	PL 5.375"x1.25"	16.00 - 16.25	Auto	0.0000
L54	19	PL 5.375"x1.25"	16.00 - 16.25	Auto	0.0000
L54	20	PL 5.375"x1.25"	16.00 - 16.25	Auto	0.0000
L54	30	MP3-03	16.00 - 16.25	Auto	0.0000
L54	31	MP3-03	16.00 - 16.25	Auto	0.0000
L54	32	MP3-03	16.00 - 16.25	Auto	0.0000
L54	38	CCI 8.5" x 1.25" Plate	16.00 - 16.25	Auto	0.1888
L54	39	CCI 8.5" x 1.25" Plate	16.00 - 16.25	Auto	0.1888
L54	40	CCI 8.5" x 1.25" Plate	16.00 - 16.25	Auto	0.1888

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L54	44	CCI 6" x 1" Plate	16.00 - 16.25	Auto	0.0000
L55	18	PL 5.375"x1.25"	11.00 - 16.00	Auto	0.0000
L55	19	PL 5.375"x1.25"	11.00 - 16.00	Auto	0.0000
L55	20	PL 5.375"x1.25"	11.00 - 16.00	Auto	0.0000
L55	30	MP3-03	11.00 - 16.00	Auto	0.0000
L55	31	MP3-03	11.00 - 16.00	Auto	0.0000
L55	32	MP3-03	11.00 - 16.00	Auto	0.0000
L55	38	CCI 8.5" x 1.25" Plate	11.00 - 16.00	Auto	0.1716
L55	39	CCI 8.5" x 1.25" Plate	11.00 - 16.00	Auto	0.1716
L55	40	CCI 8.5" x 1.25" Plate	11.00 - 16.00	Auto	0.1716
L55	44	CCI 6" x 1" Plate	15.00 - 16.00	Auto	0.0000
L56	18	PL 5.375"x1.25"	6.00 - 11.00	Auto	0.0000
L56	19	PL 5.375"x1.25"	6.00 - 11.00	Auto	0.0000
L56	20	PL 5.375"x1.25"	6.00 - 11.00	Auto	0.0000
L56	30	MP3-03	6.00 - 11.00	Auto	0.0000
L56	31	MP3-03	6.00 - 11.00	Auto	0.0000
L56	32	MP3-03	6.00 - 11.00	Auto	0.0000
L56	38	CCI 8.5" x 1.25" Plate	6.00 - 11.00	Auto	0.1486
L56	39	CCI 8.5" x 1.25" Plate	6.00 - 11.00	Auto	0.1486
L56	40	CCI 8.5" x 1.25" Plate	6.00 - 11.00	Auto	0.1486
L57	18	PL 5.375"x1.25"	1.00 - 6.00	Auto	0.0000
L57	19	PL 5.375"x1.25"	1.00 - 6.00	Auto	0.0000
L57	20	PL 5.375"x1.25"	1.00 - 6.00	Auto	0.0000
L57	30	MP3-03	1.00 - 6.00	Auto	0.0000
L57	31	MP3-03	1.00 - 6.00	Auto	0.0000
L57	32	MP3-03	1.00 - 6.00	Auto	0.0000
L57	38	CCI 8.5" x 1.25" Plate	1.00 - 6.00	Auto	0.1231
L57	39	CCI 8.5" x 1.25" Plate	1.00 - 6.00	Auto	0.1231
L57	40	CCI 8.5" x 1.25" Plate	1.00 - 6.00	Auto	0.1231
L58	18	PL 5.375"x1.25"	0.00 - 1.00	Auto	0.0000
L58	19	PL 5.375"x1.25"	0.00 - 1.00	Auto	0.0000
L58	20	PL 5.375"x1.25"	0.00 - 1.00	Auto	0.0000
L58	30	MP3-03	0.00 - 1.00	Auto	0.0000
L58	31	MP3-03	0.00 - 1.00	Auto	0.0000
L58	32	MP3-03	0.00 - 1.00	Auto	0.0000
L58	38	CCI 8.5" x 1.25" Plate	0.00 - 1.00	Auto	0.0654
L58	39	CCI 8.5" x 1.25" Plate	0.00 - 1.00	Auto	0.0654
L58	40	CCI 8.5" x 1.25" Plate	0.00 - 1.00	Auto	0.0654

Discrete Tower Loads

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	
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	159.000	No Ice	4.600	4.010	0.095
			0.000	0.000			1/2" Ice	5.050	4.450	0.160
			0.000	0.000			1" Ice	5.500	4.890	0.235
			0.000	0.000			2" Ice	6.440	5.820	0.419
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	159.000	No Ice	4.600	4.010	0.095
			0.000	0.000			1/2" Ice	5.050	4.450	0.160

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft			ft ²	ft ²	K
			0.000				1" Ice 5.500	4.890	0.235
							2" Ice 6.440	5.820	0.419
APXVSP18-C-A20 w/ Mount Pipe	C	From Leg	4.000	0.000	159.000	No Ice	4.600	4.010	0.095
			0.000			1/2" Ice	5.050	4.450	0.160
			0.000			1" Ice	5.500	4.890	0.235
						2" Ice	6.440	5.820	0.419
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.000	0.000	159.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			0.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.000	0.000	159.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			0.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.000	0.000	159.000	No Ice	4.090	2.860	0.077
			0.000			1/2" Ice	4.480	3.230	0.127
			0.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
TD-RRH8x20-25	A	From Leg	4.000	0.000	159.000	No Ice	4.045	1.535	0.070
			0.000			1/2" Ice	4.298	1.714	0.097
			0.000			1" Ice	4.557	1.901	0.128
						2" Ice	5.098	2.295	0.201
TD-RRH8x20-25	B	From Leg	4.000	0.000	159.000	No Ice	4.045	1.535	0.070
			0.000			1/2" Ice	4.298	1.714	0.097
			0.000			1" Ice	4.557	1.901	0.128
						2" Ice	5.098	2.295	0.201
TD-RRH8x20-25	C	From Leg	4.000	0.000	159.000	No Ice	4.045	1.535	0.070
			0.000			1/2" Ice	4.298	1.714	0.097
			0.000			1" Ice	4.557	1.901	0.128
						2" Ice	5.098	2.295	0.201
5' x 2" Pipe Mount	A	From Leg	2.000	0.000	159.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			2.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	159.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	159.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	159.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Platform Mount [LP 714-1]	C	None		0.000	159.000	No Ice	37.510	37.510	1.600
						1/2" Ice	41.700	41.700	2.496
						1" Ice	45.890	45.890	3.458
						2" Ice	54.290	54.290	5.583
* 800MHz 2X50W RRH W/FILTER	A	From Leg	2.000	0.000	157.000	No Ice	2.058	1.932	0.064
			0.000			1/2" Ice	2.240	2.109	0.086
			2.000			1" Ice	2.429	2.293	0.111
						2" Ice	2.829	2.684	0.172
800MHz 2X50W RRH W/FILTER	B	From Leg	2.000	0.000	157.000	No Ice	2.058	1.932	0.064
			0.000			1/2" Ice	2.240	2.109	0.086

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
				2.000					
						1" Ice	2.429	2.293	0.111
						2" Ice	2.829	2.684	0.172
800MHz 2X50W RRH W/FILTER	C	From Leg	2.000	0.000	157.000	No Ice	2.058	1.932	0.064
			0.000			1/2" Ice	2.240	2.109	0.086
			2.000			1" Ice	2.429	2.293	0.111
						2" Ice	2.829	2.684	0.172
PCS 1900MHz 4x45W-65MHz	A	From Leg	2.000	0.000	157.000	No Ice	2.322	2.238	0.060
			0.000			1/2" Ice	2.527	2.441	0.083
			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
PCS 1900MHz 4x45W-65MHz	B	From Leg	2.000	0.000	157.000	No Ice	2.322	2.238	0.060
			0.000			1/2" Ice	2.527	2.441	0.083
			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
PCS 1900MHz 4x45W-65MHz	C	From Leg	2.000	0.000	157.000	No Ice	2.322	2.238	0.060
			0.000			1/2" Ice	2.527	2.441	0.083
			2.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
Pipe Mount [PM 601-3]	C	None		0.000	157.000	No Ice	3.170	3.170	0.195
						1/2" Ice	3.790	3.790	0.232
						1" Ice	4.420	4.420	0.279
						2" Ice	5.760	5.760	0.401
Side Arm Mount [SO 102-3]	C	None		0.000	157.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
						2" Ice	5.900	5.900	0.195
*									
RRUS-11	A	From Leg	2.000	0.000	152.000	No Ice	2.784	1.187	0.048
			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1" Ice	3.207	1.490	0.092
						2" Ice	3.658	1.833	0.150
RRUS-11	B	From Leg	2.000	0.000	152.000	No Ice	2.784	1.187	0.048
			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1" Ice	3.207	1.490	0.092
						2" Ice	3.658	1.833	0.150
RRUS-11	C	From Leg	2.000	0.000	152.000	No Ice	2.784	1.187	0.048
			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1" Ice	3.207	1.490	0.092
						2" Ice	3.658	1.833	0.150
Pipe Mount [PM 601-3]	C	None		0.000	152.000	No Ice	3.170	3.170	0.195
						1/2" Ice	3.790	3.790	0.232
						1" Ice	4.420	4.420	0.279
						2" Ice	5.760	5.760	0.401
Side Arm Mount [SO 101-3]	C	None		0.000	152.000	No Ice	5.810	5.810	0.252
						1/2" Ice	6.950	6.950	0.341
						1" Ice	8.280	8.280	0.457
						2" Ice	11.540	11.540	0.780
*									
HPA-65R-BUU-H8 w/ Mount Pipe	A	From Face	4.000	0.000	150.000	No Ice	12.250	8.330	0.105
			0.000			1/2" Ice	13.190	9.230	0.194
			2.000			1" Ice	14.160	10.150	0.297
						2" Ice	16.140	12.050	0.543
HPA-65R-BUU-H8 w/ Mount Pipe	B	From Face	4.000	0.000	150.000	No Ice	12.250	8.330	0.105
			0.000			1/2" Ice	13.190	9.230	0.194
			2.000			1" Ice	14.160	10.150	0.297
						2" Ice	16.140	12.050	0.543
HPA-65R-BUU-H8 w/	C	From Face	4.000	0.000	150.000	No Ice	12.250	8.330	0.105

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			ft ft ft	°	ft	ft ²	ft ²	K
Mount Pipe			0.000 2.000		1/2" Ice 1" Ice 2" Ice	13.190 14.160 16.140	9.230 10.150 12.050	0.194 0.297 0.543
(2) 7770.00 w/ Mount Pipe	A	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
(2) 7770.00 w/ Mount Pipe	B	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
(2) 7770.00 w/ Mount Pipe	C	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
RRUS 32 B2	A	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	2.731 2.953 3.182 3.663	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 32 B2	B	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	2.731 2.953 3.182 3.663	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
RRUS 32 B2	C	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	2.731 2.953 3.182 3.663	1.668 1.855 2.049 2.458	0.053 0.074 0.098 0.157
(4) 7020.00	A	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	0.102 0.147 0.199 0.326	0.175 0.239 0.311 0.476	0.002 0.005 0.009 0.022
(4) 7020.00	B	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	0.102 0.147 0.199 0.326	0.175 0.239 0.311 0.476	0.002 0.005 0.009 0.022
(4) 7020.00	C	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	0.102 0.147 0.199 0.326	0.175 0.239 0.311 0.476	0.002 0.005 0.009 0.022
(2) LGP21401	A	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	B	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	C	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21901	A	From Face	4.000 0.000 2.000	0.000	150.000 No Ice 1/2" Ice 1" Ice 2" Ice	0.231 0.294 0.365 0.528	0.158 0.213 0.276 0.423	0.006 0.008 0.011 0.022
(2) LGP21901	B	From Face	4.000 0.000	0.000	150.000 No Ice 1/2" Ice	0.231 0.294	0.158 0.213	0.006 0.008

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
				2.000					
						1" Ice	0.365	0.276	0.011
						2" Ice	0.528	0.423	0.022
(2) LGP21901	C	From Face	4.000	0.000	150.000	No Ice	0.231	0.158	0.006
			0.000			1/2" Ice	0.294	0.213	0.008
			2.000			1" Ice	0.365	0.276	0.011
						2" Ice	0.528	0.423	0.022
1001983	A	From Face	4.000	0.000	150.000	No Ice	0.176	0.083	0.002
			0.000			1/2" Ice	0.232	0.126	0.004
			2.000			1" Ice	0.295	0.178	0.006
						2" Ice	0.444	0.304	0.015
1001983	B	From Face	4.000	0.000	150.000	No Ice	0.176	0.083	0.002
			0.000			1/2" Ice	0.232	0.126	0.004
			2.000			1" Ice	0.295	0.178	0.006
						2" Ice	0.444	0.304	0.015
1001983	C	From Face	4.000	0.000	150.000	No Ice	0.176	0.083	0.002
			0.000			1/2" Ice	0.232	0.126	0.004
			2.000			1" Ice	0.295	0.178	0.006
						2" Ice	0.444	0.304	0.015
DC6-48-60-18-8F	B	From Face	2.000	0.000	150.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			1.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
Platform Mount [LP 303-1]	C	None		0.000	150.000	No Ice	14.690	14.690	1.250
						1/2" Ice	18.010	18.010	1.569
						1" Ice	21.340	21.340	1.942
						2" Ice	28.080	28.080	2.852
*									
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	A	From Leg	4.000	0.000	137.000	No Ice	6.290	2.760	0.061
			0.000			1/2" Ice	6.860	3.270	0.105
			0.000			1" Ice	7.450	3.790	0.157
						2" Ice	8.680	4.900	0.290
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	B	From Leg	4.000	0.000	137.000	No Ice	6.290	2.760	0.061
			0.000			1/2" Ice	6.860	3.270	0.105
			0.000			1" Ice	7.450	3.790	0.157
						2" Ice	8.680	4.900	0.290
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	C	From Leg	4.000	0.000	137.000	No Ice	6.290	2.760	0.061
			0.000			1/2" Ice	6.860	3.270	0.105
			0.000			1" Ice	7.450	3.790	0.157
						2" Ice	8.680	4.900	0.290
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Leg	4.000	0.000	137.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Leg	4.000	0.000	137.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Leg	4.000	0.000	137.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
AIR6449 B41_T-MOBILE	A	From Leg	4.000	0.000	137.000	No Ice	5.270	2.030	0.115
			0.000			1/2" Ice	5.700	2.360	0.154
			2.000			1" Ice	6.140	2.700	0.197
						2" Ice	7.060	3.430	0.296
AIR6449 B41_T-MOBILE	B	From Leg	4.000	0.000	137.000	No Ice	5.270	2.030	0.115
			0.000			1/2" Ice	5.700	2.360	0.154

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
			2.000				1" Ice 6.140	2.700	0.197
							2" Ice 7.060	3.430	0.296
AIR6449 B41_T-MOBILE	C	From Leg	4.000	0.000	137.000		No Ice 5.270	2.030	0.115
			0.000				1/2" Ice 5.700	2.360	0.154
			2.000				1" Ice 6.140	2.700	0.197
							2" Ice 7.060	3.430	0.296
RADIO 4415 B66A_CCIV3	A	From Leg	4.000	0.000	137.000		No Ice 1.639	0.677	0.046
			0.000				1/2" Ice 1.799	0.789	0.059
			0.000				1" Ice 1.966	0.911	0.073
							2" Ice 2.323	1.181	0.111
RADIO 4415 B66A_CCIV3	B	From Leg	4.000	0.000	137.000		No Ice 1.639	0.677	0.046
			0.000				1/2" Ice 1.799	0.789	0.059
			0.000				1" Ice 1.966	0.911	0.073
							2" Ice 2.323	1.181	0.111
RADIO 4415 B66A_CCIV3	C	From Leg	4.000	0.000	137.000		No Ice 1.639	0.677	0.046
			0.000				1/2" Ice 1.799	0.789	0.059
			0.000				1" Ice 1.966	0.911	0.073
							2" Ice 2.323	1.181	0.111
RADIO 4424 B25_TMO	A	From Leg	4.000	0.000	137.000		No Ice 2.052	1.610	0.086
			0.000				1/2" Ice 2.231	1.772	0.107
			0.000				1" Ice 2.417	1.941	0.131
							2" Ice 2.811	2.301	0.188
RADIO 4424 B25_TMO	B	From Leg	4.000	0.000	137.000		No Ice 2.052	1.610	0.086
			0.000				1/2" Ice 2.231	1.772	0.107
			0.000				1" Ice 2.417	1.941	0.131
							2" Ice 2.811	2.301	0.188
RADIO 4424 B25_TMO	C	From Leg	4.000	0.000	137.000		No Ice 2.052	1.610	0.086
			0.000				1/2" Ice 2.231	1.772	0.107
			0.000				1" Ice 2.417	1.941	0.131
							2" Ice 2.811	2.301	0.188
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000	0.000	137.000		No Ice 1.970	1.587	0.073
			0.000				1/2" Ice 2.147	1.749	0.093
			0.000				1" Ice 2.331	1.918	0.116
							2" Ice 2.721	2.280	0.170
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000	0.000	137.000		No Ice 1.970	1.587	0.073
			0.000				1/2" Ice 2.147	1.749	0.093
			0.000				1" Ice 2.331	1.918	0.116
							2" Ice 2.721	2.280	0.170
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.000	0.000	137.000		No Ice 1.970	1.587	0.073
			0.000				1/2" Ice 2.147	1.749	0.093
			0.000				1" Ice 2.331	1.918	0.116
							2" Ice 2.721	2.280	0.170
8' x 2" Mount Pipe	A	From Leg	4.000	0.000	137.000		No Ice 1.900	1.900	0.029
			0.000				1/2" Ice 2.728	2.728	0.044
			0.000				1" Ice 3.401	3.401	0.063
							2" Ice 4.396	4.396	0.119
8' x 2" Mount Pipe	B	From Leg	4.000	0.000	137.000		No Ice 1.900	1.900	0.029
			0.000				1/2" Ice 2.728	2.728	0.044
			0.000				1" Ice 3.401	3.401	0.063
							2" Ice 4.396	4.396	0.119
8' x 2" Mount Pipe	C	From Leg	4.000	0.000	137.000		No Ice 1.900	1.900	0.029
			0.000				1/2" Ice 2.728	2.728	0.044
			0.000				1" Ice 3.401	3.401	0.063
							2" Ice 4.396	4.396	0.119
Platform Mount [LP 303-1_KCKR-HR-1]	C	None		0.000	137.000		No Ice 28.310	28.310	1.770
							1/2" Ice 35.690	35.690	2.297
							1" Ice 43.110	43.110	2.943

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
						ft	ft ²	ft ²	K
						ft			
						ft			
						°			
						ft			
						2" Ice	58.210	58.210	4.603
*						No Ice	4.907	2.682	0.096
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	125.000	1/2" Ice	5.256	3.145	0.136
			0.000			1" Ice	5.615	3.624	0.180
			2.000			2" Ice	6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	125.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			2.000			1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	125.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			2.000			1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Leg	4.000	0.000	125.000	No Ice	5.500	4.380	0.096
			0.000			1/2" Ice	5.970	4.840	0.169
			2.000			1" Ice	6.450	5.300	0.254
						2" Ice	7.440	6.260	0.457
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Leg	4.000	0.000	125.000	No Ice	5.500	4.380	0.096
			0.000			1/2" Ice	5.970	4.840	0.169
			2.000			1" Ice	6.450	5.300	0.254
						2" Ice	7.440	6.260	0.457
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Leg	4.000	0.000	125.000	No Ice	5.500	4.380	0.096
			0.000			1/2" Ice	5.970	4.840	0.169
			2.000			1" Ice	6.450	5.300	0.254
						2" Ice	7.440	6.260	0.457
RF4439D-25A	A	From Leg	4.000	0.000	125.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			2.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4439D-25A	B	From Leg	4.000	0.000	125.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			2.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4439D-25A	C	From Leg	4.000	0.000	125.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			2.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4440D-13A	A	From Leg	4.000	0.000	125.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			2.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
RF4440D-13A	B	From Leg	4.000	0.000	125.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			2.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
RF4440D-13A	C	From Leg	4.000	0.000	125.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			2.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
CBC78T-DS-43-2X	A	From Leg	4.000	0.000	125.000	No Ice	0.368	0.512	0.021
			0.000			1/2" Ice	0.446	0.605	0.027
			2.000			1" Ice	0.531	0.705	0.035
						2" Ice	0.723	0.927	0.057
CBC78T-DS-43-2X	B	From Leg	4.000	0.000	125.000	No Ice	0.368	0.512	0.021
			0.000			1/2" Ice	0.446	0.605	0.027
			2.000			1" Ice	0.531	0.705	0.035

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Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral	Vert					
CBC78T-DS-43-2X	C	From Leg	4.000	0.000	125.000	2" Ice	0.723	0.927	0.057	
			0.000			No Ice	0.368	0.512	0.021	
			2.000			1/2" Ice	0.446	0.605	0.027	
						1" Ice	0.531	0.705	0.035	
RVZDC-6627-PF-48	A	From Leg	4.000	0.000	125.000	2" Ice	0.723	0.927	0.057	
			0.000			No Ice	3.792	2.514	0.032	
			2.000			1/2" Ice	4.044	2.727	0.063	
						1" Ice	4.303	2.947	0.099	
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	125.000	2" Ice	4.844	3.417	0.181	
			0.000			No Ice	1.425	1.425	0.022	
			2.000			1/2" Ice	1.925	1.925	0.033	
						1" Ice	2.294	2.294	0.048	
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	125.000	2" Ice	3.060	3.060	0.090	
			0.000			No Ice	1.425	1.425	0.022	
			2.000			1/2" Ice	1.925	1.925	0.033	
						1" Ice	2.294	2.294	0.048	
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	125.000	2" Ice	3.060	3.060	0.090	
			0.000			No Ice	1.425	1.425	0.022	
			2.000			1/2" Ice	1.925	1.925	0.033	
						1" Ice	2.294	2.294	0.048	
Platform Mount [LP 303-1]	C	None		0.000	125.000	2" Ice	3.060	3.060	0.090	
						No Ice	14.690	14.690	1.250	
						1/2" Ice	18.010	18.010	1.569	
						1" Ice	21.340	21.340	1.942	
Side Arm Mount [SO 102-3]	C	None		0.000	125.000	2" Ice	28.080	28.080	2.852	
						No Ice	3.600	3.600	0.075	
						1/2" Ice	4.180	4.180	0.105	
						1" Ice	4.750	4.750	0.135	
Mount Reinforcement Specifications	C	None		0.000	125.000	2" Ice	5.900	5.900	0.195	
						No Ice	28.630	28.630	0.280	
						1/2" Ice	37.310	37.310	0.670	
						1" Ice	45.800	45.800	0.940	
* DB589	B	From Leg	4.000	0.000	109.000	2" Ice	62.380	62.380	1.630	
			0.000			No Ice	2.125	2.125	0.012	
			5.000			1/2" Ice	3.004	3.004	0.027	
						1" Ice	3.764	3.764	0.049	
Side Arm Mount [SO 701-1]	B	From Leg	3.000	0.000	109.000	2" Ice	4.817	4.817	0.109	
			0.000			No Ice	0.850	1.670	0.065	
			0.000			1/2" Ice	1.140	2.340	0.079	
						1" Ice	1.430	3.010	0.093	
Side Arm Mount [SO 201-1]	B	From Leg	1.000	0.000	109.000	2" Ice	2.010	4.350	0.121	
			0.000			No Ice	1.780	2.610	0.096	
			0.000			1/2" Ice	2.240	3.150	0.116	
						1" Ice	2.750	3.730	0.144	
					2" Ice	3.890	4.990	0.221		

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 155	Pole	Max Tension	21	0.000	-0.000	-0.000
			Max. Compression	26	-9.721	-0.004	0.170
			Max. Mx	8	-3.342	-21.456	0.040

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft			
L2	155 - 150	Pole	Max. My	2	-3.341	-0.003	21.517			
			Max. Vy	8	5.665	-21.456	0.040			
			Max. Vx	2	-5.666	-0.003	21.517			
			Max. Torque	20			-0.173			
			Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-11.577	-0.011	0.176			
			Max. Mx	8	-4.179	-52.116	0.045			
			Max. My	2	-4.178	-0.008	52.180			
			Max. Vy	8	6.759	-52.116	0.045			
			Max. Vx	2	-6.760	-0.008	52.180			
L3	150 - 145	Pole	Max. Torque	20			-0.173			
			Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-18.543	-0.297	0.345			
			Max. Mx	8	-6.695	-113.701	0.099			
			Max. My	2	-6.693	-0.096	113.731			
			Max. Vy	8	11.225	-113.701	0.099			
			Max. Vx	2	-11.227	-0.096	113.731			
			Max. Torque	10			0.280			
			Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-19.076	-0.307	0.354			
L4	145 - 140	Pole	Max. Mx	8	-7.053	-170.595	0.105			
			Max. My	2	-7.051	-0.104	170.630			
			Max. Vy	8	11.541	-170.595	0.105			
			Max. Vx	2	-11.542	-0.104	170.630			
			Max. Torque	10			0.279			
			Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-28.722	-0.317	0.363			
			Max. Mx	8	-11.206	-239.729	0.112			
			Max. My	2	-11.203	-0.112	239.771			
			Max. Vy	8	16.750	-239.729	0.112			
L5	140 - 135	Pole	Max. Vx	2	-16.752	-0.112	239.771			
			Max. Torque	10			0.279			
			Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-29.316	-0.326	0.371			
			Max. Mx	8	-11.680	-324.155	0.120			
			Max. My	2	-11.677	-0.123	324.208			
			Max. Vy	8	17.039	-324.155	0.120			
			Max. Vx	2	-17.041	-0.123	324.208			
			Max. Torque	10			0.279			
			Max Tension	1	0.000	0.000	0.000			
L6	135 - 130	Pole	Max. Compression	26	-29.869	-0.326	0.371			
			Max. Mx	8	-12.111	-397.035	0.126			
			Max. My	2	-12.108	-0.131	397.096			
			Max. Vy	8	17.280	-397.035	0.126			
			Max. Vx	2	-17.282	-0.131	397.096			
			Max. Torque	10			0.279			
			Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-29.906	-0.326	0.371			
			Max. Mx	8	-12.151	-401.354	0.127			
			Max. My	2	-12.148	-0.131	401.416			
L7	130 - 125.75	Pole	Max. Vy	8	17.285	-401.354	0.127			
			Max. Vx	2	-17.287	-0.131	401.416			
			Max. Torque	10			0.278			
			Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-38.759	-0.326	1.088			
			Max. Mx	8	-15.714	-461.817	0.280			
			Max. My	2	-15.706	-0.138	462.281			
			Max. Vy	8	22.281	-461.817	0.280			
			Max. Vx	2	-22.333	-0.138	462.281			
			Max. Torque	20			-0.728			
L8	125.75 - 125.5	Pole	Max Tension	1	0.000	0.000	0.000			
			Max. Compression	26	-38.759	-0.326	1.088			
L9	125.5 - 119.12	Pole	Max. Mx	8	-15.714	-461.817	0.280			
			Max. My	2	-15.706	-0.138	462.281			
			Max. Vy	8	22.281	-461.817	0.280			
			Max. Vx	2	-22.333	-0.138	462.281			
			Max. Torque	20			-0.728			
			Max Tension	1	0.000	0.000	0.000			
			L10	119.12 -	Pole	Max. Compression	26	-38.759	-0.326	1.088
						Max. Mx	8	-15.714	-461.817	0.280
						Max. My	2	-15.706	-0.138	462.281
						Max. Vy	8	22.281	-461.817	0.280
Max. Vx	2	-22.333				-0.138	462.281			
Max. Torque	20						-0.728			
Max Tension	1	0.000				0.000	0.000			

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	117.87		Max. Compression	26	-40.055	-0.326	1.088
			Max. Mx	8	-16.567	-574.020	0.287
			Max. My	2	-16.559	-0.151	574.745
			Max. Vy	8	22.621	-574.020	0.287
			Max. Vx	2	-22.673	-0.151	574.745
			Max. Torque	20			-0.728
L11	117.87 - 117.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.077	-0.326	1.088
			Max. Mx	8	-16.606	-576.733	0.287
			Max. My	2	-16.598	-0.151	577.464
			Max. Vy	8	22.611	-576.733	0.287
			Max. Vx	2	-22.663	-0.151	577.464
			Max. Torque	20			-0.727
L12	117.75 - 117.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.123	-0.326	1.088
			Max. Mx	8	-16.639	-582.387	0.287
			Max. My	2	-16.631	-0.152	583.131
			Max. Vy	8	22.626	-582.387	0.287
			Max. Vx	2	-22.679	-0.152	583.131
			Max. Torque	20			-0.727
L13	117.5 - 112.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-41.384	-0.326	1.088
			Max. Mx	8	-17.586	-696.402	0.293
			Max. My	2	-17.579	-0.165	697.407
			Max. Vy	8	22.993	-696.402	0.293
			Max. Vx	2	-23.045	-0.165	697.407
			Max. Torque	20			-0.727
L14	112.5 - 107.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-43.063	-1.464	0.431
			Max. Mx	8	-18.758	-813.661	0.063
			Max. My	14	-18.748	-0.557	-814.128
			Max. Vy	8	23.610	-813.661	0.063
			Max. Vx	14	23.700	-0.557	-814.128
			Max. Torque	15			1.060
L15	107.5 - 103	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.288	-1.444	0.404
			Max. Mx	8	-19.665	-920.582	0.218
			Max. My	14	-19.656	-0.409	-921.457
			Max. Vy	8	23.933	-920.582	0.218
			Max. Vx	14	24.024	-0.409	-921.457
			Max. Torque	15			1.060
L16	103 - 102.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.373	-1.441	0.401
			Max. Mx	8	-19.739	-926.565	0.226
			Max. My	14	-19.730	-0.400	-927.462
			Max. Vy	8	23.943	-926.565	0.226
			Max. Vx	14	24.034	-0.400	-927.462
			Max. Torque	15			1.059
L17	102.75 - 100.21	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.250	-1.432	0.391
			Max. Mx	8	-20.365	-987.623	0.314
			Max. My	14	-20.356	-0.316	-988.752
			Max. Vy	8	24.149	-987.623	0.314
			Max. Vx	14	24.240	-0.316	-988.752
			Max. Torque	15			1.059
L18	100.21 - 95.83	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.268	-1.432	0.391
			Max. Mx	8	-20.392	-988.758	0.315

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L19	95.83 - 94.83	Pole	Max. My	14	-20.383	-0.314	-989.891
			Max. Vy	8	24.143	-988.758	0.315
			Max. Vx	14	24.234	-0.314	-989.891
			Max. Torque	15			1.059
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.658	-1.421	0.385
			Max. Mx	8	-22.946	-1118.993	0.499
			Max. My	14	-22.938	-0.138	-1120.611
			Max. Vy	8	24.690	-1118.993	0.499
			Max. Vx	14	24.781	-0.138	-1120.611
L20	94.83 - 93.5	Pole	Max. Torque	15			1.059
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.228	-1.418	0.383
			Max. Mx	8	-23.342	-1151.892	0.545
			Max. My	14	-23.333	-0.093	-1153.631
			Max. Vy	8	24.803	-1151.892	0.545
			Max. Vx	14	24.894	-0.093	-1153.631
			Max. Torque	15			1.059
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.349	-1.418	0.383
L21	93.5 - 93.25	Pole	Max. Mx	8	-23.440	-1158.093	0.554
			Max. My	14	-23.432	-0.085	-1159.855
			Max. Vy	8	24.815	-1158.093	0.554
			Max. Vx	14	24.906	-0.085	-1159.855
			Max. Torque	15			1.059
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.774	-1.408	0.377
			Max. Mx	8	-25.195	-1283.255	0.726
			Max. My	14	-25.187	0.082	-1285.473
			Max. Vy	8	25.261	-1283.255	0.726
L22	93.25 - 88.25	Pole	Max. Vx	14	25.352	0.082	-1285.473
			Max. Torque	15			1.059
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.268	-1.405	0.376
			Max. Mx	8	-25.553	-1308.552	0.761
			Max. My	14	-25.545	0.116	-1310.861
			Max. Vy	8	25.349	-1308.552	0.761
			Max. Vx	14	25.440	0.116	-1310.861
			Max. Torque	15			1.058
			Max Tension	1	0.000	0.000	0.000
L23	87.25 - 87	Pole	Max. Compression	26	-52.396	-1.405	0.375
			Max. Mx	8	-25.653	-1314.890	0.770
			Max. My	14	-25.645	0.124	-1317.222
			Max. Vy	8	25.365	-1314.890	0.770
			Max. Vx	14	25.456	0.124	-1317.222
			Max. Torque	15			1.058
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.651	-1.404	0.375
			Max. Mx	8	-25.838	-1327.583	0.787
			Max. My	14	-25.830	0.141	-1329.960
L24	87 - 86.5	Pole	Max. Vy	8	25.412	-1327.583	0.787
			Max. Vx	14	25.503	0.141	-1329.960
			Max. Torque	15			1.058
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.765	-1.403	0.374
			Max. Mx	8	-25.920	-1333.937	0.796
			Max. My	14	-25.912	0.149	-1336.338
			Max. Vy	8	25.431	-1333.937	0.796
			Max. Vx	14	25.523	0.149	-1336.338
			Max. Torque	15			1.058
L25	86.5 - 86.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.765	-1.403	0.374
L26	86.25 - 81.25	Pole	Max. Mx	8	-25.920	-1333.937	0.796
			Max. My	14	-25.912	0.149	-1336.338
			Max. Vy	8	25.431	-1333.937	0.796
			Max. Vx	14	25.523	0.149	-1336.338
			Max. Torque	15			1.058
			Max Tension	1	0.000	0.000	0.000

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L28	81.25 - 76.25	Pole	Max. Compression	26	-54.947	-1.393	0.368
			Max. Mx	8	-27.528	-1462.112	0.968
			Max. My	14	-27.521	0.317	-1464.968
			Max. Vy	8	25.852	-1462.112	0.968
			Max. Vx	14	25.943	0.317	-1464.968
			Max. Torque	15			1.058
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.132	-1.382	0.362
			Max. Mx	8	-29.169	-1592.343	1.141
			Max. My	14	-29.162	0.485	-1595.656
L29	76.25 - 75.416	Pole	Max. Vy	8	26.262	-1592.343	1.141
			Max. Vx	14	26.353	0.485	-1595.656
			Max. Torque	15			1.058
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.522	-1.380	0.361
			Max. Mx	8	-29.449	-1614.265	1.170
			Max. My	14	-29.442	0.513	-1617.655
			Max. Vy	8	26.329	-1614.265	1.170
			Max. Vx	14	26.420	0.513	-1617.655
			Max. Torque	15			1.057
L30	75.416 - 75.166	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.648	-1.379	0.361
			Max. Mx	8	-29.546	-1620.848	1.178
			Max. My	14	-29.540	0.522	-1624.260
			Max. Vy	8	26.344	-1620.848	1.178
			Max. Vx	14	26.435	0.522	-1624.260
			Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.166	-1.368	0.354
			Max. Mx	8	-31.378	-1753.609	1.351
L31	75.166 - 70.166	Pole	Max. My	14	-31.372	0.690	-1757.478
			Max. Vy	8	26.774	-1753.609	1.351
			Max. Vx	14	26.866	0.690	-1757.478
			Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-62.711	-1.356	0.347
			Max. Mx	8	-33.242	-1888.472	1.523
			Max. My	14	-33.236	0.859	-1892.797
			Max. Vy	8	27.192	-1888.472	1.523
			Max. Vx	14	27.284	0.859	-1892.797
L32	70.166 - 65.166	Pole	Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.281	-1.345	0.341
			Max. Mx	8	-35.132	-2025.401	1.696
			Max. My	14	-35.126	1.029	-2030.183
			Max. Vy	8	27.602	-2025.401	1.696
			Max. Vx	14	27.694	1.029	-2030.183
			Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.925	-1.337	0.336
L33	65.166 - 60.166	Pole	Max. Mx	8	-36.345	-2113.158	1.805
			Max. My	14	-36.340	1.136	-2118.228
			Max. Vy	8	27.859	-2113.158	1.805
			Max. Vx	14	27.950	1.136	-2118.228
			Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.055	-1.337	0.336
			Max. Mx	8	-36.345	-2113.158	1.805
			Max. My	14	-36.340	1.136	-2118.228
			Max. Vy	8	27.859	-2113.158	1.805
L34	60.166 - 57	Pole	Max. Vx	14	27.950	1.136	-2118.228
			Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.055	-1.337	0.336
			Max. Mx	8	-36.345	-2113.158	1.805
			Max. My	14	-36.340	1.136	-2118.228
			Max. Vy	8	27.859	-2113.158	1.805
			Max. Vx	14	27.950	1.136	-2118.228
			Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
L35	57 - 56.75	Pole	Max. Compression	26	-67.055	-1.337	0.336

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L36	56.75 - 53	Pole	Max. Mx	8	-36.449	-2120.122	1.813
			Max. My	14	-36.444	1.144	-2125.215
			Max. Vy	8	27.869	-2120.122	1.813
			Max. Vx	14	27.960	1.144	-2125.215
			Max. Torque	15			1.057
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-69.034	-1.343	0.370
			Max. Mx	8	-37.890	-2225.175	1.942
			Max. My	14	-37.885	1.271	-2230.610
			Max. Vy	8	28.178	-2225.175	1.942
L37	53 - 47.203	Pole	Max. Vx	14	28.269	1.271	-2230.610
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-69.154	-1.344	0.374
			Max. Mx	8	-37.988	-2231.204	1.950
			Max. My	14	-37.983	1.279	-2236.658
			Max. Vy	8	28.182	-2231.204	1.950
			Max. Vx	14	28.273	1.279	-2236.658
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
L38	47.203 - 46.203	Pole	Max. Compression	26	-75.362	-1.369	0.482
			Max. Mx	8	-42.813	-2418.900	2.176
			Max. My	14	-42.809	1.502	-2424.954
			Max. Vy	8	28.835	-2418.900	2.176
			Max. Vx	14	28.926	1.502	-2424.954
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-78.166	-1.344	0.496
			Max. Mx	8	-44.949	-2563.910	2.348
			Max. My	14	-44.945	1.672	-2570.420
L39	46.203 - 41.203	Pole	Max. Vy	8	29.198	-2563.910	2.348
			Max. Vx	14	29.289	1.672	-2570.420
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-78.166	-1.344	0.496
			Max. Mx	8	-44.949	-2563.910	2.348
			Max. My	14	-44.945	1.672	-2570.420
			Max. Vy	8	29.198	-2563.910	2.348
			Max. Vx	14	29.289	1.672	-2570.420
			Max. Torque	15			1.056
L40	41.203 - 39.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.253	-1.335	0.501
			Max. Mx	8	-45.749	-2618.609	2.412
			Max. My	14	-45.745	1.735	-2625.289
			Max. Vy	8	29.344	-2618.609	2.412
			Max. Vx	14	29.435	1.735	-2625.289
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.410	-1.334	0.502
			Max. Mx	8	-45.881	-2625.941	2.421
L41	39.333 - 39.083	Pole	Max. My	14	-45.877	1.744	-2632.643
			Max. Vy	8	29.339	-2625.941	2.421
			Max. Vx	14	29.430	1.744	-2632.643
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.248	-1.327	0.506
			Max. Mx	8	-46.497	-2665.111	2.466
			Max. My	14	-46.493	1.789	-2671.934
			Max. Vy	8	29.451	-2665.111	2.466
			Max. Vx	14	29.542	1.789	-2671.934
L42	39.083 - 37.75	Pole	Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.248	-1.327	0.506
			Max. Mx	8	-46.497	-2665.111	2.466
			Max. My	14	-46.493	1.789	-2671.934
			Max. Vy	8	29.451	-2665.111	2.466
			Max. Vx	14	29.542	1.789	-2671.934
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.396	-1.326	0.507
L43	37.75 - 37.5	Pole	Max. Mx	8	-46.615	-2672.472	2.475

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L44	37.5 - 32.5	Pole	Max. My	14	-46.611	1.797	-2679.318
			Max. Vy	8	29.455	-2672.472	2.475
			Max. Vx	14	29.546	1.797	-2679.318
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-83.266	-1.301	0.521
			Max. Mx	8	-48.794	-2820.565	2.646
			Max. My	14	-48.791	1.967	-2827.864
			Max. Vy	8	29.801	-2820.565	2.646
			Max. Vx	14	29.892	1.967	-2827.864
L45	32.5 - 27.5	Pole	Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-86.136	-1.275	0.536
			Max. Mx	8	-51.008	-2970.289	2.816
			Max. My	14	-51.005	2.136	-2978.040
			Max. Vy	8	30.119	-2970.289	2.816
			Max. Vx	14	30.210	2.136	-2978.040
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-86.281	-1.274	0.536
L46	27.5 - 27.25	Pole	Max. Mx	8	-51.127	-2977.817	2.825
			Max. My	14	-51.124	2.145	-2985.591
			Max. Vy	8	30.124	-2977.817	2.825
			Max. Vx	14	30.214	2.145	-2985.591
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-86.426	-1.273	0.537
			Max. Mx	8	-51.239	-2985.349	2.833
			Max. My	14	-51.236	2.153	-2993.145
			Max. Vy	8	30.140	-2985.349	2.833
L47	27.25 - 27	Pole	Max. Vx	14	30.230	2.153	-2993.145
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-89.353	-1.269	0.484
			Max. Mx	8	-53.477	-3136.820	3.003
			Max. My	14	-53.475	2.323	-3145.066
			Max. Vy	8	30.469	-3136.820	3.003
			Max. Vx	14	30.559	2.323	-3145.066
			Max. Torque	15			1.056
			Max Tension	1	0.000	0.000	0.000
L48	27 - 22	Pole	Max. Compression	26	-89.798	-1.270	0.469
			Max. Mx	8	-53.820	-3159.677	3.029
			Max. My	14	-53.818	2.348	-3167.991
			Max. Vy	8	30.513	-3159.677	3.029
			Max. Vx	14	30.603	2.348	-3167.991
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-89.958	-1.271	0.465
			Max. Mx	8	-53.949	-3167.305	3.037
			Max. My	14	-53.947	2.356	-3175.641
L49	22 - 21.25	Pole	Max. Vy	8	30.521	-3167.305	3.037
			Max. Vx	14	30.611	2.356	-3175.641
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-92.521	-1.268	0.405
			Max. Mx	8	-55.936	-3289.887	3.172
			Max. My	14	-55.934	2.491	-3298.581
			Max. Vy	8	30.791	-3289.887	3.172
			Max. Vx	14	30.880	2.491	-3298.581
			Max. Torque	15			1.055
L50	21.25 - 21	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-92.521	-1.268	0.405
L51	21 - 17	Pole	Max. Mx	8	-55.936	-3289.887	3.172
			Max. My	14	-55.934	2.491	-3298.581
			Max. Vy	8	30.791	-3289.887	3.172
			Max. Vx	14	30.880	2.491	-3298.581
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-92.521	-1.268	0.405
			Max. Mx	8	-55.936	-3289.887	3.172
			Max. My	14	-55.934	2.491	-3298.581
			Max. Vy	8	30.791	-3289.887	3.172
L52	17 - 16.75	Pole	Max. Vx	14	30.880	2.491	-3298.581
			Max. Torque	15			1.055

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L53	16.75 - 16.25	Pole	Max. Compression	26	-92.676	-1.268	0.402
			Max. Mx	8	-56.062	-3297.582	3.181
			Max. My	14	-56.061	2.500	-3306.299
			Max. Vy	8	30.794	-3297.582	3.181
			Max. Vx	14	30.884	2.500	-3306.299
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-92.986	-1.267	0.395
			Max. Mx	8	-56.299	-3312.985	3.198
			Max. My	14	-56.298	2.517	-3321.747
L54	16.25 - 16	Pole	Max. Vy	8	30.830	-3312.985	3.198
			Max. Vx	14	30.920	2.517	-3321.747
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-93.150	-1.267	0.392
			Max. Mx	8	-56.431	-3320.693	3.206
			Max. My	14	-56.429	2.525	-3329.477
			Max. Vy	8	30.842	-3320.693	3.206
			Max. Vx	14	30.932	2.525	-3329.477
			Max. Torque	15			1.055
L55	16 - 11	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-96.398	-1.231	0.393
			Max. Mx	8	-59.005	-3475.713	3.374
			Max. My	14	-59.004	2.693	-3484.944
			Max. Vy	8	31.186	-3475.713	3.374
			Max. Vx	14	31.275	2.693	-3484.944
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-99.633	-1.189	0.411
			Max. Mx	8	-61.613	-3632.392	3.542
L56	11 - 6	Pole	Max. My	14	-61.612	2.861	-3642.067
			Max. Vy	8	31.518	-3632.392	3.542
			Max. Vx	14	31.607	2.861	-3642.067
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.836	-1.151	0.428
			Max. Mx	8	-64.249	-3790.730	3.709
			Max. My	14	-64.249	3.029	-3800.847
			Max. Vy	8	31.850	-3790.730	3.709
			Max. Vx	14	31.939	3.029	-3800.847
L57	6 - 1	Pole	Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-103.340	-1.144	0.431
			Max. Mx	8	-64.668	-3822.590	3.742
			Max. My	14	-64.668	3.062	-3832.796
			Max. Vy	8	31.910	-3822.590	3.742
			Max. Vx	14	31.999	3.062	-3832.796
			Max. Torque	15			1.055
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-103.340	-1.144	0.431
L58	1 - 0	Pole	Max. Mx	8	-64.668	-3822.590	3.742
			Max. My	14	-64.668	3.062	-3832.796
			Max. Vy	8	31.910	-3822.590	3.742
			Max. Vx	14	31.999	3.062	-3832.796
			Max. Torque	15			1.055

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	103.340	-0.000	0.000
	Max. H _x	21	48.509	31.887	-0.033
	Max. H _z	2	64.679	-0.033	31.975

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Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Max. M _x	2	3832.774	-0.033	31.975
	Max. M _z	8	3822.590	-31.887	0.033
	Max. Torsion	15	1.055	0.033	-31.975
	Min. Vert	11	48.509	-27.598	-15.959
	Min. H _x	9	48.509	-31.887	0.033
	Min. H _z	14	64.679	0.033	-31.975
	Min. M _x	14	-3832.796	0.033	-31.975
	Min. M _z	20	-3821.192	31.887	-0.033
	Min. Torsion	3	-1.054	-0.033	31.975

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	53.899	0.000	0.000	0.014	-0.545	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	64.679	0.033	-31.975	-3832.774	-4.450	1.052
0.9 Dead+1.0 Wind 0 deg - No Ice	48.509	0.033	-31.975	-3788.663	-4.232	1.054
1.2 Dead+1.0 Wind 30 deg - No Ice	64.679	15.972	-27.708	-3321.158	-1914.883	0.819
0.9 Dead+1.0 Wind 30 deg - No Ice	48.509	15.972	-27.708	-3282.939	-1892.668	0.823
1.2 Dead+1.0 Wind 60 deg - No Ice	64.679	27.632	-16.016	-1919.640	-3312.421	0.365
0.9 Dead+1.0 Wind 60 deg - No Ice	48.509	27.632	-16.016	-1897.555	-3274.112	0.370
1.2 Dead+1.0 Wind 90 deg - No Ice	64.679	31.887	-0.033	-3.742	-3822.590	-0.189
0.9 Dead+1.0 Wind 90 deg - No Ice	48.509	31.887	-0.033	-3.709	-3778.402	-0.184
1.2 Dead+1.0 Wind 120 deg - No Ice	64.679	27.598	15.959	1913.168	-3308.673	-0.692
0.9 Dead+1.0 Wind 120 deg - No Ice	48.509	27.598	15.959	1891.138	-3270.399	-0.689
1.2 Dead+1.0 Wind 150 deg - No Ice	64.679	15.915	27.675	3317.436	-1908.380	-1.009
0.9 Dead+1.0 Wind 150 deg - No Ice	48.509	15.915	27.675	3279.248	-1886.226	-1.008
1.2 Dead+1.0 Wind 180 deg - No Ice	64.679	-0.033	31.975	3832.796	3.063	-1.053
0.9 Dead+1.0 Wind 180 deg - No Ice	48.509	-0.033	31.975	3788.682	3.211	-1.055
1.2 Dead+1.0 Wind 210 deg - No Ice	64.679	-15.972	27.708	3321.177	1913.490	-0.815
0.9 Dead+1.0 Wind 210 deg - No Ice	48.509	-15.972	27.708	3282.955	1891.643	-0.819
1.2 Dead+1.0 Wind 240 deg - No Ice	64.679	-27.632	16.016	1919.663	3311.023	-0.360
0.9 Dead+1.0 Wind 240 deg - No Ice	48.509	-27.632	16.016	1897.574	3273.083	-0.365
1.2 Dead+1.0 Wind 270 deg - No Ice	64.679	-31.887	0.033	3.771	3821.192	0.190
0.9 Dead+1.0 Wind 270 deg - No Ice	48.509	-31.887	0.033	3.733	3777.374	0.185
1.2 Dead+1.0 Wind 300 deg - No Ice	64.679	-27.598	-15.959	-1913.136	3307.281	0.688

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
No Ice						
0.9 Dead+1.0 Wind 300 deg - No Ice	48.509	-27.598	-15.959	-1891.112	3269.374	0.685
1.2 Dead+1.0 Wind 330 deg - No Ice	64.679	-15.915	-27.675	-3317.408	1906.993	1.003
0.9 Dead+1.0 Wind 330 deg - No Ice	48.509	-15.915	-27.675	-3279.224	1885.205	1.003
1.2 Dead+1.0 Ice+1.0 Temp	103.340	0.000	-0.000	-0.431	-1.144	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	103.340	0.008	-7.025	-861.398	-2.279	0.285
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	103.340	3.511	-6.088	-746.538	-431.534	0.245
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	103.340	6.073	-3.519	-431.779	-745.515	0.139
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	103.340	7.008	-0.008	-1.460	-860.090	-0.005
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	103.340	6.065	3.505	429.115	-744.560	-0.147
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	103.340	3.497	6.080	744.573	-429.880	-0.249
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	103.340	-0.008	7.025	860.388	-0.369	-0.285
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	103.340	-3.511	6.088	745.527	428.885	-0.244
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	103.340	-6.073	3.519	430.768	742.865	-0.138
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	103.340	-7.008	0.008	0.450	857.440	0.005
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	103.340	-6.065	-3.505	-430.125	741.910	0.146
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	103.340	-3.497	-6.080	-745.583	427.231	0.249
Dead+Wind 0 deg - Service	53.899	0.006	-5.950	-708.759	-1.275	0.201
Dead+Wind 30 deg - Service	53.899	2.972	-5.156	-614.150	-354.556	0.156
Dead+Wind 60 deg - Service	53.899	5.142	-2.980	-354.977	-612.990	0.068
Dead+Wind 90 deg - Service	53.899	5.934	-0.006	-0.686	-707.329	-0.038
Dead+Wind 120 deg - Service	53.899	5.136	2.970	353.792	-612.295	-0.133
Dead+Wind 150 deg - Service	53.899	2.961	5.150	613.473	-353.352	-0.193
Dead+Wind 180 deg - Service	53.899	-0.006	5.950	708.777	0.115	-0.201
Dead+Wind 210 deg - Service	53.899	-2.972	5.156	614.168	353.397	-0.155
Dead+Wind 240 deg - Service	53.899	-5.142	2.980	354.995	611.830	-0.068
Dead+Wind 270 deg - Service	53.899	-5.934	0.006	0.704	706.169	0.038
Dead+Wind 300 deg - Service	53.899	-5.136	-2.970	-353.773	611.135	0.133
Dead+Wind 330 deg - Service	53.899	-2.961	-5.150	-613.455	352.193	0.193

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-53.899	0.000	0.000	53.899	0.000	0.000%
2	0.033	-64.679	-31.975	-0.033	64.679	31.975	0.000%
3	0.033	-48.509	-31.975	-0.033	48.509	31.975	0.000%
4	15.972	-64.679	-27.708	-15.972	64.679	27.708	0.000%
5	15.972	-48.509	-27.708	-15.972	48.509	27.708	0.000%
6	27.632	-64.679	-16.016	-27.632	64.679	16.016	0.000%
7	27.632	-48.509	-16.016	-27.632	48.509	16.016	0.000%
8	31.887	-64.679	-0.033	-31.887	64.679	0.033	0.000%

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	Crown Castle	V. RAO

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
9	31.887	-48.509	-0.033	-31.887	48.509	0.033	0.000%
10	27.598	-64.679	15.959	-27.598	64.679	-15.959	0.000%
11	27.598	-48.509	15.959	-27.598	48.509	-15.959	0.000%
12	15.915	-64.679	27.675	-15.915	64.679	-27.675	0.000%
13	15.915	-48.509	27.675	-15.915	48.509	-27.675	0.000%
14	-0.033	-64.679	31.975	0.033	64.679	-31.975	0.000%
15	-0.033	-48.509	31.975	0.033	48.509	-31.975	0.000%
16	-15.972	-64.679	27.708	15.972	64.679	-27.708	0.000%
17	-15.972	-48.509	27.708	15.972	48.509	-27.708	0.000%
18	-27.632	-64.679	16.016	27.632	64.679	-16.016	0.000%
19	-27.632	-48.509	16.016	27.632	48.509	-16.016	0.000%
20	-31.887	-64.679	0.033	31.887	64.679	-0.033	0.000%
21	-31.887	-48.509	0.033	31.887	48.509	-0.033	0.000%
22	-27.598	-64.679	-15.959	27.598	64.679	15.959	0.000%
23	-27.598	-48.509	-15.959	27.598	48.509	15.959	0.000%
24	-15.915	-64.679	-27.675	15.915	64.679	27.675	0.000%
25	-15.915	-48.509	-27.675	15.915	48.509	27.675	0.000%
26	0.000	-103.340	0.000	-0.000	103.340	0.000	0.000%
27	0.008	-103.340	-7.025	-0.008	103.340	7.025	0.000%
28	3.511	-103.340	-6.088	-3.511	103.340	6.088	0.000%
29	6.073	-103.340	-3.519	-6.073	103.340	3.519	0.000%
30	7.008	-103.340	-0.008	-7.008	103.340	0.008	0.000%
31	6.065	-103.340	3.505	-6.065	103.340	-3.505	0.000%
32	3.497	-103.340	6.080	-3.497	103.340	-6.080	0.000%
33	-0.008	-103.340	7.025	0.008	103.340	-7.025	0.000%
34	-3.511	-103.340	6.088	3.511	103.340	-6.088	0.000%
35	-6.073	-103.340	3.519	6.073	103.340	-3.519	0.000%
36	-7.008	-103.340	0.008	7.008	103.340	-0.008	0.000%
37	-6.065	-103.340	-3.505	6.065	103.340	3.505	0.000%
38	-3.497	-103.340	-6.080	3.497	103.340	6.080	0.000%
39	0.006	-53.899	-5.950	-0.006	53.899	5.950	0.000%
40	2.972	-53.899	-5.156	-2.972	53.899	5.156	0.000%
41	5.142	-53.899	-2.980	-5.142	53.899	2.980	0.000%
42	5.934	-53.899	-0.006	-5.934	53.899	0.006	0.000%
43	5.136	-53.899	2.970	-5.136	53.899	-2.970	0.000%
44	2.961	-53.899	5.150	-2.961	53.899	-5.150	0.000%
45	-0.006	-53.899	5.950	0.006	53.899	-5.950	0.000%
46	-2.972	-53.899	5.156	2.972	53.899	-5.156	0.000%
47	-5.142	-53.899	2.980	5.142	53.899	-2.980	0.000%
48	-5.934	-53.899	0.006	5.934	53.899	-0.006	0.000%
49	-5.136	-53.899	-2.970	5.136	53.899	2.970	0.000%
50	-2.961	-53.899	-5.150	2.961	53.899	5.150	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	6	0.00000001	0.00030271
3	Yes	6	0.00000001	0.00010377
4	Yes	7	0.00000001	0.00049502
5	Yes	7	0.00000001	0.00011626
6	Yes	7	0.00000001	0.00048487
7	Yes	7	0.00000001	0.00011390
8	Yes	6	0.00000001	0.00010201
9	Yes	5	0.00000001	0.00076712

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10	Yes	7	0.00000001	0.00048054
11	Yes	7	0.00000001	0.00011228
12	Yes	7	0.00000001	0.00049476
13	Yes	7	0.00000001	0.00011636
14	Yes	6	0.00000001	0.00026127
15	Yes	6	0.00000001	0.00008956
16	Yes	7	0.00000001	0.00048102
17	Yes	7	0.00000001	0.00011276
18	Yes	7	0.00000001	0.00049055
19	Yes	7	0.00000001	0.00011538
20	Yes	6	0.00000001	0.00007940
21	Yes	5	0.00000001	0.00053570
22	Yes	7	0.00000001	0.00049160
23	Yes	7	0.00000001	0.00011539
24	Yes	7	0.00000001	0.00047777
25	Yes	7	0.00000001	0.00011196
26	Yes	5	0.00000001	0.00007197
27	Yes	8	0.00000001	0.00014071
28	Yes	8	0.00000001	0.00016945
29	Yes	8	0.00000001	0.00016869
30	Yes	8	0.00000001	0.00014048
31	Yes	8	0.00000001	0.00016771
32	Yes	8	0.00000001	0.00016839
33	Yes	8	0.00000001	0.00014006
34	Yes	8	0.00000001	0.00016691
35	Yes	8	0.00000001	0.00016738
36	Yes	8	0.00000001	0.00013953
37	Yes	8	0.00000001	0.00016757
38	Yes	8	0.00000001	0.00016716
39	Yes	5	0.00000001	0.00028874
40	Yes	6	0.00000001	0.00007348
41	Yes	6	0.00000001	0.00006911
42	Yes	5	0.00000001	0.00022864
43	Yes	6	0.00000001	0.00006770
44	Yes	6	0.00000001	0.00007413
45	Yes	5	0.00000001	0.00028538
46	Yes	6	0.00000001	0.00006728
47	Yes	6	0.00000001	0.00007116
48	Yes	5	0.00000001	0.00022718
49	Yes	6	0.00000001	0.00007224
50	Yes	6	0.00000001	0.00006644

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	19.363	40	1.324	0.002
L2	155 - 150	17.978	40	1.319	0.002
L3	150 - 145	16.607	40	1.297	0.001
L4	145 - 140	15.270	40	1.254	0.001
L5	140 - 135	13.987	40	1.194	0.001
L6	135 - 130	12.774	40	1.122	0.001
L7	130 - 125.75	11.643	40	1.035	0.001
L8	125.75 - 125.5	10.759	40	0.953	0.001
L9	125.5 - 119.12	10.709	40	0.948	0.001
L10	122.87 - 117.87	10.202	40	0.892	0.001
L11	117.87 - 117.75	9.294	40	0.832	0.001
L12	117.75 - 117.5	9.274	40	0.830	0.001
L13	117.5 - 112.5	9.230	40	0.825	0.001

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L14	112.5 - 107.5	8.393	40	0.773	0.001
L15	107.5 - 103	7.612	40	0.718	0.001
L16	103 - 102.75	6.959	40	0.667	0.000
L17	102.75 - 100.21	6.924	40	0.665	0.000
L18	100.21 - 95.83	6.577	40	0.639	0.000
L19	100.163 - 94.83	6.571	40	0.639	0.000
L20	94.83 - 93.5	5.870	40	0.614	0.000
L21	93.5 - 93.25	5.700	40	0.604	0.000
L22	93.25 - 88.25	5.668	40	0.602	0.000
L23	88.25 - 87.25	5.055	40	0.569	0.000
L24	87.25 - 87	4.937	40	0.563	0.000
L25	87 - 86.5	4.907	40	0.561	0.000
L26	86.5 - 86.25	4.849	40	0.558	0.000
L27	86.25 - 81.25	4.819	40	0.556	0.000
L28	81.25 - 76.25	4.257	40	0.517	0.000
L29	76.25 - 75.416	3.736	40	0.479	0.000
L30	75.416 - 75.166	3.653	40	0.472	0.000
L31	75.166 - 70.166	3.628	40	0.471	0.000
L32	70.166 - 65.166	3.153	40	0.436	0.000
L33	65.166 - 60.166	2.714	40	0.402	0.000
L34	60.166 - 57	2.312	40	0.367	0.000
L35	57 - 56.75	2.076	40	0.345	0.000
L36	56.75 - 53	2.058	40	0.343	0.000
L37	53 - 47.203	1.798	40	0.318	0.000
L38	52.786 - 46.203	1.784	40	0.316	0.000
L39	46.203 - 41.203	1.364	40	0.290	0.000
L40	41.203 - 39.333	1.078	40	0.256	0.000
L41	39.333 - 39.083	0.980	40	0.244	0.000
L42	39.083 - 37.75	0.967	40	0.242	0.000
L43	37.75 - 37.5	0.901	40	0.235	0.000
L44	37.5 - 32.5	0.888	40	0.233	0.000
L45	32.5 - 27.5	0.662	40	0.199	0.000
L46	27.5 - 27.25	0.471	40	0.167	0.000
L47	27.25 - 27	0.462	40	0.165	0.000
L48	27 - 22	0.453	40	0.163	0.000
L49	22 - 21.25	0.299	40	0.131	0.000
L50	21.25 - 21	0.279	40	0.126	0.000
L51	21 - 17	0.272	40	0.125	0.000
L52	17 - 16.75	0.178	40	0.100	0.000
L53	16.75 - 16.25	0.173	40	0.098	0.000
L54	16.25 - 16	0.163	40	0.095	0.000
L55	16 - 11	0.158	40	0.093	0.000
L56	11 - 6	0.076	40	0.064	0.000
L57	6 - 1	0.024	40	0.036	0.000
L58	1 - 0	0.001	40	0.008	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.000	APXVSP18-C-A20 w/ Mount Pipe	40	19.086	1.324	0.002	20644
157.000	800MHz 2X50W RRH W/FILTER	40	18.531	1.322	0.002	20644
152.000	RRUS-11	40	17.153	1.308	0.001	11928
150.000	HPA-65R-BUU-H8 w/ Mount Pipe	40	16.607	1.297	0.001	9024
137.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	40	13.250	1.152	0.001	3866

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Elevation	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
125.000	MT6407-77A w/ Mount Pipe	40	10.610	0.937	0.001	3145
109.000	DB589	40	7.840	0.737	0.001	5190

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	104.612	2	7.161	0.009
L2	155 - 150	97.142	2	7.130	0.008
L3	150 - 145	89.749	2	7.014	0.007
L4	145 - 140	82.534	2	6.783	0.007
L5	140 - 135	75.611	2	6.459	0.006
L6	135 - 130	69.059	2	6.068	0.005
L7	130 - 125.75	62.955	2	5.599	0.005
L8	125.75 - 125.5	58.174	2	5.154	0.004
L9	125.5 - 119.12	57.905	2	5.126	0.004
L10	122.87 - 117.87	55.166	2	4.828	0.004
L11	117.87 - 117.75	50.262	14	4.502	0.004
L12	117.75 - 117.5	50.149	14	4.490	0.004
L13	117.5 - 112.5	49.915	14	4.465	0.003
L14	112.5 - 107.5	45.391	14	4.184	0.003
L15	107.5 - 103	41.168	14	3.887	0.003
L16	103 - 102.75	37.638	14	3.610	0.003
L17	102.75 - 100.21	37.449	14	3.597	0.003
L18	100.21 - 95.83	35.573	14	3.460	0.002
L19	100.163 - 94.83	35.539	14	3.458	0.002
L20	94.83 - 93.5	31.746	4	3.323	0.002
L21	93.5 - 93.25	30.829	4	3.267	0.002
L22	93.25 - 88.25	30.658	4	3.258	0.002
L23	88.25 - 87.25	27.342	4	3.080	0.002
L24	87.25 - 87	26.702	4	3.045	0.002
L25	87 - 86.5	26.542	4	3.036	0.002
L26	86.5 - 86.25	26.226	4	3.019	0.002
L27	86.25 - 81.25	26.068	4	3.009	0.002
L28	81.25 - 76.25	23.028	4	2.800	0.002
L29	76.25 - 75.416	20.207	4	2.591	0.001
L30	75.416 - 75.166	19.758	4	2.557	0.001
L31	75.166 - 70.166	19.624	4	2.548	0.001
L32	70.166 - 65.166	17.056	4	2.361	0.001
L33	65.166 - 60.166	14.683	4	2.175	0.001
L34	60.166 - 57	12.505	4	1.987	0.001
L35	57 - 56.75	11.228	4	1.868	0.001
L36	56.75 - 53	11.130	4	1.859	0.001
L37	53 - 47.203	9.726	4	1.718	0.001
L38	52.786 - 46.203	9.649	4	1.710	0.001
L39	46.203 - 41.203	7.377	4	1.570	0.001
L40	41.203 - 39.333	5.830	4	1.387	0.001
L41	39.333 - 39.083	5.300	4	1.320	0.001
L42	39.083 - 37.75	5.231	4	1.312	0.001
L43	37.75 - 37.5	4.871	4	1.269	0.001
L44	37.5 - 32.5	4.804	4	1.260	0.001
L45	32.5 - 27.5	3.581	4	1.078	0.000
L46	27.5 - 27.25	2.545	4	0.901	0.000
L47	27.25 - 27	2.498	4	0.892	0.000
L48	27 - 22	2.451	4	0.884	0.000

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L49	22 - 21.25	1.618	4	0.709	0.000
L50	21.25 - 21	1.509	4	0.683	0.000
L51	21 - 17	1.473	4	0.675	0.000
L52	17 - 16.75	0.965	4	0.538	0.000
L53	16.75 - 16.25	0.937	4	0.530	0.000
L54	16.25 - 16	0.883	4	0.513	0.000
L55	16 - 11	0.856	4	0.505	0.000
L56	11 - 6	0.410	4	0.347	0.000
L57	6 - 1	0.127	4	0.194	0.000
L58	1 - 0	0.004	4	0.041	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.000	APXVSPPI8-C-A20 w/ Mount Pipe	2	103.116	7.158	0.008	3963
157.000	800MHz 2X50W RRH W/FILTER	2	100.125	7.149	0.008	3963
152.000	RRUS-11	2	92.691	7.074	0.008	2282
150.000	HPA-65R-BUU-H8 w/ Mount Pipe	2	89.749	7.014	0.007	1725
137.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	2	71.630	6.233	0.006	732
125.000	MT6407-77A w/ Mount Pipe	2	57.373	5.069	0.004	590
109.000	DB589	14	42.402	3.986	0.003	968

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 155 (1)	TP17.62x16.5x0.188	5.000	0.000	0.0	10.375	-3.341	606.922	0.006
L2	155 - 150 (2)	TP18.741x17.62x0.188	5.000	0.000	0.0	11.042	-4.178	645.926	0.006
L3	150 - 145 (3)	TP19.861x18.741x0.188	5.000	0.000	0.0	11.708	-6.694	684.931	0.010
L4	145 - 140 (4)	TP20.981x19.861x0.188	5.000	0.000	0.0	12.375	-7.051	723.936	0.010
L5	140 - 135 (5)	TP22.102x20.981x0.188	5.000	0.000	0.0	13.042	-11.204	762.941	0.015
L6	135 - 130 (6)	TP23.222x22.102x0.188	5.000	0.000	0.0	13.708	-11.677	801.946	0.015
L7	130 - 125.75 (7)	TP24.174x23.222x0.188	4.250	0.000	0.0	14.275	-12.108	835.100	0.014
L8	125.75 - 125.5 (8)	TP24.23x24.174x0.188	0.250	0.000	0.0	14.309	-12.148	837.050	0.015
L9	125.5 - 119.12 (9)	TP25.66x24.23x0.188	6.380	0.000	0.0	14.659	-15.706	857.567	0.018
L10	119.12 - 117.87 (10)	TP25.544x24.445x0.25	5.000	0.000	0.0	20.071	-16.559	1174.150	0.014
L11	117.87 - 117.75 (11)	TP25.57x25.544x0.25	0.120	0.000	0.0	20.092	-16.599	1175.370	0.014
L12	117.75 - 117.5 (12)	TP25.625x25.57x0.25	0.250	0.000	0.0	20.135	-16.631	1177.920	0.014

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L13	117.5 - 112.5 (13)	TP26.725x25.625x0.475	5.000	0.000	0.0	39.576	-17.579	2315.170	0.008
L14	112.5 - 107.5 (14)	TP27.824x26.725x0.469	5.000	0.000	0.0	40.700	-18.747	2380.930	0.008
L15	107.5 - 103 (15)	TP28.814x27.824x0.463	4.500	0.000	0.0	41.619	-19.655	2434.690	0.008
L16	103 - 102.75 (16)	TP28.869x28.814x0.55	0.250	0.000	0.0	49.436	-19.730	2891.980	0.007
L17	102.75 - 100.21 (17)	TP29.427x28.869x0.538	2.540	0.000	0.0	49.286	-20.356	2883.240	0.007
L18	100.21 - 95.83 (18)	TP30.39x29.427x0.688	4.380	0.000	0.0	62.736	-20.383	3670.040	0.006
L19	95.83 - 94.83 (19)	TP30.119x28.937x0.738	5.333	0.000	0.0	68.776	-22.937	4023.420	0.006
L20	94.83 - 93.5 (20)	TP30.413x30.119x0.738	1.330	0.000	0.0	69.466	-23.333	4063.770	0.006
L21	93.5 - 93.25 (21)	TP30.469x30.413x0.913	0.250	0.000	0.0	85.603	-23.431	5007.790	0.005
L22	93.25 - 88.25 (22)	TP31.576x30.469x0.888	5.000	0.000	0.0	86.449	-25.187	5057.240	0.005
L23	88.25 - 87.25 (23)	TP31.798x31.576x0.888	1.000	0.000	0.0	87.073	-25.545	5093.750	0.005
L24	87.25 - 87 (24)	TP31.853x31.798x0.938	0.250	0.000	0.0	91.994	-25.644	5381.660	0.005
L25	87 - 86.5 (25)	TP31.964x31.853x0.925	0.500	0.000	0.0	91.130	-25.829	5331.080	0.005
L26	86.5 - 86.25 (26)	TP32.02x31.964x0.763	0.250	0.000	0.0	75.648	-25.911	4425.380	0.006
L27	86.25 - 81.25 (27)	TP33.127x32.02x0.738	5.000	0.000	0.0	75.819	-27.520	4435.400	0.006
L28	81.25 - 76.25 (28)	TP34.235x33.127x0.725	5.000	0.000	0.0	77.112	-29.162	4511.020	0.006
L29	76.25 - 75.416 (29)	TP34.42x34.235x0.725	0.834	0.000	0.0	77.537	-29.441	4535.890	0.006
L30	75.416 - 75.166 (30)	TP34.475x34.42x0.813	0.250	0.000	0.0	86.812	-29.539	5078.480	0.006
L31	75.166 - 70.166 (31)	TP35.583x34.475x0.8	5.000	0.000	0.0	88.321	-31.371	5166.750	0.006
L32	70.166 - 65.166 (32)	TP36.69x35.583x0.788	5.000	0.000	0.0	89.740	-33.235	5249.820	0.006
L33	65.166 - 60.166 (33)	TP37.798x36.69x0.763	5.000	0.000	0.0	89.633	-35.126	5243.520	0.007
L34	60.166 - 57 (34)	TP38.5x37.798x0.75	3.166	0.000	0.0	89.863	-36.339	5256.980	0.007
L35	57 - 56.75 (35)	TP38.555x38.5x0.75	0.250	0.000	0.0	89.995	-36.443	5264.690	0.007
L36	56.75 - 53 (36)	TP39.386x38.555x0.738	3.750	0.000	0.0	90.469	-37.885	5292.420	0.007
L37	53 - 47.203 (37)	TP40.67x39.386x0.738	5.797	0.000	0.0	90.580	-37.983	5298.920	0.007
L38	47.203 - 46.203 (38)	TP40.266x38.808x0.763	6.583	0.000	0.0	95.606	-42.809	5592.950	0.008
L39	46.203 - 41.203 (39)	TP41.374x40.266x0.75	5.000	0.000	0.0	96.705	-44.944	5657.230	0.008
L40	41.203 - 39.333 (40)	TP41.788x41.374x0.75	1.870	0.000	0.0	97.691	-45.745	5714.910	0.008
L41	39.333 - 39.083 (41)	TP41.843x41.788x0.825	0.250	0.000	0.0	107.408	-45.877	6283.400	0.007
L42	39.083 - 37.75 (42)	TP42.139x41.843x0.825	1.333	0.000	0.0	108.182	-46.493	6328.620	0.007
L43	37.75 - 37.5 (43)	TP42.194x42.139x0.75	0.250	0.000	0.0	98.657	-46.611	5771.450	0.008
L44	37.5 - 32.5 (44)	TP43.301x42.194x0.725	5.000	0.000	0.0	97.975	-48.790	5731.520	0.009
L45	32.5 - 27.5 (45)	TP44.409x43.301x0.725	5.000	0.000	0.0	100.013	-50.576	5850.790	0.009

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L46	27.5 - 27.25 (46)	TP44.464x44.409x0.725	0.250	0.000	0.0	100.523	-51.016	5880.610	0.009
L47	27.25 - 27 (47)	TP44.52x44.464x0.725	0.250	0.000	0.0	100.651	-51.128	5888.060	0.009
L48	27 - 22 (48)	TP45.627x44.52x0.713	5.000	0.000	0.0	99.069	-51.248	5795.520	0.009
L49	22 - 21.25 (49)	TP45.793x45.627x0.713	0.750	0.000	0.0	101.573	-53.491	5942.040	0.009
L50	21.25 - 21 (50)	TP45.849x45.793x0.725	0.250	0.000	0.0	103.709	-53.827	6066.960	0.009
L51	21 - 17 (51)	TP46.735x45.849x0.713	4.000	0.000	0.0	102.074	-53.958	5971.340	0.009
L52	17 - 16.75 (52)	TP46.79x46.735x0.7	0.250	0.000	0.0	102.280	-55.946	5983.360	0.009
L53	16.75 - 16.25 (53)	TP46.901x46.79x0.7	0.500	0.000	0.0	102.403	-56.068	5990.560	0.009
L54	16.25 - 16 (54)	TP46.956x46.901x0.775	0.250	0.000	0.0	113.462	-56.304	6637.550	0.008
L55	16 - 11 (55)	TP48.064x46.956x0.75	5.000	0.000	0.0	109.994	-56.440	6434.620	0.009
L56	11 - 6 (56)	TP49.171x48.064x0.75	5.000	0.000	0.0	112.630	-59.021	6588.850	0.009
L57	6 - 1 (57)	TP50.279x49.171x0.738	5.000	0.000	0.0	113.374	-61.629	6632.400	0.009
L58	1 - 0 (58)	TP50.5x50.279x0.525	1.000	0.000	0.0	82.907	-64.269	4850.050	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio M _{ux} / φM _{ux}	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio M _{uy} / φM _{uy}
L1	160 - 155 (1)	TP17.62x16.5x0.188	21.517	275.518	0.078	0.000	275.518	0.000
L2	155 - 150 (2)	TP18.741x17.62x0.188	52.180	309.226	0.169	0.000	309.226	0.000
L3	150 - 145 (3)	TP19.861x18.741x0.188	113.752	342.633	0.332	0.000	342.633	0.000
L4	145 - 140 (4)	TP20.981x19.861x0.188	170.664	377.080	0.453	0.000	377.080	0.000
L5	140 - 135 (5)	TP22.102x20.981x0.188	239.787	412.461	0.581	0.000	412.461	0.000
L6	135 - 130 (6)	TP23.222x22.102x0.188	324.243	448.675	0.723	0.000	448.675	0.000
L7	130 - 125.75 (7)	TP24.174x23.222x0.188	397.132	480.033	0.827	0.000	480.033	0.000
L8	125.75 - 125.5 (8)	TP24.23x24.174x0.188	401.452	481.892	0.833	0.000	481.892	0.000
L9	125.5 - 119.12 (9)	TP25.66x24.23x0.188	462.281	501.550	0.922	0.000	501.550	0.000
L10	119.12 - 117.87 (10)	TP25.544x24.445x0.25	574.745	762.176	0.754	0.000	762.176	0.000
L11	117.87 - 117.75 (11)	TP25.57x25.544x0.25	577.464	763.569	0.756	0.000	763.569	0.000
L12	117.75 - 117.5 (12)	TP25.625x25.57x0.25	583.131	766.475	0.761	0.000	766.475	0.000
L13	117.5 - 112.5 (13)	TP26.725x25.625x0.475	697.408	1571.142	0.444	0.000	1571.142	0.000
L14	112.5 - 107.5 (14)	TP27.824x26.725x0.469	814.230	1685.417	0.483	0.000	1685.417	0.000
L15	107.5 - 103 (15)	TP28.814x27.824x0.463	921.592	1787.642	0.516	0.000	1787.642	0.000
L16	103 - 102.75 (16)	TP28.869x28.814x0.55	927.600	2114.500	0.439	0.000	2114.500	0.000
L17	102.75 - 100.21 (17)	TP29.427x28.869x0.538	988.908	2152.342	0.459	0.000	2152.342	0.000
L18	100.21 - 95.83 (18)	TP30.39x29.427x0.688	990.042	2712.308	0.365	0.000	2712.308	0.000
L19	95.83 - 94.83 (19)	TP30.119x28.937x0.738	1120.800	3035.258	0.369	0.000	3035.258	0.000
L20	94.83 - 93.5 (20)	TP30.413x30.119x0.738	1153.833	3097.192	0.373	0.000	3097.192	0.000
L21	93.5 - 93.25	TP30.469x30.413x0.913	1160.058	3779.083	0.307	0.000	3779.083	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M_{uy} kip-ft	ϕM_{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
L22	(21) 93.25 - 88.25	TP31.576x30.469x0.888	1285.708	3970.192	0.324	0.000	3970.192	0.000
L23	(22) 88.25 - 87.25	TP31.798x31.576x0.888	1311.108	4028.533	0.325	0.000	4028.533	0.000
L24	(23) 87.25 - 87 (24)	TP31.853x31.798x0.938	1317.467	4250.308	0.310	0.000	4250.308	0.000
L25	87 - 86.5 (25)	TP31.964x31.853x0.925	1330.208	4229.300	0.315	0.000	4229.300	0.000
L26	86.5 - 86.25 (26)	TP32.02x31.964x0.763	1336.592	3554.092	0.376	0.000	3554.092	0.000
L27	86.25 - 81.25 (27)	TP33.127x32.02x0.738	1465.258	3697.083	0.396	0.000	3697.083	0.000
L28	81.25 - 76.25 (28)	TP34.235x33.127x0.725	1595.975	3894.475	0.410	0.000	3894.475	0.000
L29	76.25 - 75.416 (29)	TP34.42x34.235x0.725	1617.983	3938.000	0.411	0.000	3938.000	0.000
L30	75.416 - 75.166 (30)	TP34.475x34.42x0.813	1624.592	4393.592	0.370	0.000	4393.592	0.000
L31	75.166 - 70.166 (31)	TP35.583x34.475x0.8	1757.842	4623.842	0.380	0.000	4623.842	0.000
L32	70.166 - 65.166 (32)	TP36.69x35.583x0.788	1893.200	4854.542	0.390	0.000	4854.542	0.000
L33	65.166 - 60.166 (33)	TP37.798x36.69x0.763	2030.617	5008.283	0.405	0.000	5008.283	0.000
L34	60.166 - 57 (34)	TP38.5x37.798x0.75	2118.683	5121.542	0.414	0.000	5121.542	0.000
L35	57 - 56.75 (35)	TP38.555x38.5x0.75	2125.675	5136.725	0.414	0.000	5136.725	0.000
L36	56.75 - 53 (36)	TP39.386x38.555x0.738	2231.092	5282.883	0.422	0.000	5282.883	0.000
L37	53 - 47.203 (37)	TP40.67x39.386x0.738	2237.142	5295.975	0.422	0.000	5295.975	0.000
L38	47.203 - 46.203 (38)	TP40.266x38.808x0.763	2425.483	5705.225	0.425	0.000	5705.225	0.000
L39	46.203 - 41.203 (39)	TP41.374x40.266x0.75	2570.992	5939.300	0.433	0.000	5939.300	0.000
L40	41.203 - 39.333 (40)	TP41.788x41.374x0.75	2625.867	6062.133	0.433	0.000	6062.133	0.000
L41	39.333 - 39.083 (41)	TP41.843x41.788x0.825	2633.225	6649.975	0.396	0.000	6649.975	0.000
L42	39.083 - 37.75 (42)	TP42.139x41.843x0.825	2672.525	6747.000	0.396	0.000	6747.000	0.000
L43	37.75 - 37.5 (43)	TP42.194x42.139x0.75	2679.908	6183.767	0.433	0.000	6183.767	0.000
L44	37.5 - 32.5 (44)	TP43.301x42.194x0.725	2828.492	6315.417	0.448	0.000	6315.417	0.000
L45	32.5 - 27.5 (45)	TP44.409x43.301x0.725	2948.533	6583.233	0.448	0.000	6583.233	0.000
L46	27.5 - 27.25 (46)	TP44.464x44.409x0.725	2978.708	6651.058	0.448	0.000	6651.058	0.000
L47	27.25 - 27 (47)	TP44.52x44.464x0.725	2986.258	6668.067	0.448	0.000	6668.067	0.000
L48	27 - 22 (48)	TP45.627x44.52x0.713	2993.817	6575.467	0.455	0.000	6575.467	0.000
L49	22 - 21.25 (49)	TP45.793x45.627x0.713	3145.767	6914.867	0.455	0.000	6914.867	0.000
L50	21.25 - 21 (50)	TP45.849x45.793x0.725	3168.700	7082.833	0.447	0.000	7082.833	0.000
L51	21 - 17 (51)	TP46.735x45.849x0.713	3176.350	6983.767	0.455	0.000	6983.767	0.000
L52	17 - 16.75 (52)	TP46.79x46.735x0.7	3299.317	7141.200	0.462	0.000	7141.200	0.000
L53	16.75 - 16.25 (53)	TP46.901x46.79x0.7	3307.042	7158.517	0.462	0.000	7158.517	0.000
L54	16.25 - 16 (54)	TP46.956x46.901x0.775	3322.492	7925.200	0.419	0.000	7925.200	0.000
L55	16 - 11 (55)	TP48.064x46.956x0.75	3330.225	7700.617	0.432	0.000	7700.617	0.000
L56	11 - 6 (56)	TP49.171x48.064x0.75	3485.725	8077.200	0.432	0.000	8077.200	0.000
L57	6 - 1 (57)	TP50.279x49.171x0.738	3642.883	8328.183	0.437	0.000	8328.183	0.000
L58	1 - 0 (58)	TP50.5x50.279x0.525	3801.692	6285.025	0.605	0.000	6285.025	0.000

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Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	160 - 155 (1)	TP17.62x16.5x0.188	5.666	182.076	0.031	0.000	277.973	0.000
L2	155 - 150 (2)	TP18.741x17.62x0.188	6.760	193.778	0.035	0.000	314.850	0.000
L3	150 - 145 (3)	TP19.861x18.741x0.188	11.226	205.479	0.055	0.149	354.022	0.000
L4	145 - 140 (4)	TP20.981x19.861x0.188	11.542	217.181	0.053	0.011	395.492	0.000
L5	140 - 135 (5)	TP22.102x20.981x0.188	16.751	228.882	0.073	0.148	439.257	0.000
L6	135 - 130 (6)	TP23.222x22.102x0.188	17.041	240.584	0.071	0.011	485.319	0.000
L7	130 - 125.75 (7)	TP24.174x23.222x0.188	17.282	250.530	0.069	0.011	526.277	0.000
L8	125.75 - 125.5 (8)	TP24.23x24.174x0.188	17.287	251.115	0.069	0.011	528.737	0.000
L9	125.5 - 119.12 (9)	TP25.66x24.23x0.188	22.333	257.270	0.087	0.128	554.974	0.000
L10	119.12 - 117.87 (10)	TP25.544x24.445x0.25	22.673	352.244	0.064	0.128	780.265	0.000
L11	117.87 - 117.75 (11)	TP25.57x25.544x0.25	22.663	352.611	0.064	0.128	781.893	0.000
L12	117.75 - 117.5 (12)	TP25.625x25.57x0.25	22.679	353.376	0.064	0.128	785.292	0.000
L13	117.5 - 112.5 (13)	TP26.725x25.625x0.475	23.045	694.550	0.033	0.127	1596.650	0.000
L14	112.5 - 107.5 (14)	TP27.824x26.725x0.469	23.707	714.279	0.033	0.823	1711.158	0.000
L15	107.5 - 103 (15)	TP28.814x27.824x0.463	24.031	730.407	0.033	0.822	1813.483	0.000
L16	103 - 102.75 (16)	TP28.869x28.814x0.55	24.041	867.595	0.028	0.822	2151.625	0.000
L17	102.75 - 100.21 (17)	TP29.427x28.869x0.538	24.247	864.972	0.028	0.822	2188.375	0.000
L18	100.21 - 95.83 (18)	TP30.39x29.427x0.688	24.251	1101.010	0.022	0.822	2772.083	0.000
L19	95.83 - 94.83 (19)	TP30.119x28.937x0.738	24.788	1207.030	0.021	0.822	3105.758	0.000
L20	94.83 - 93.5 (20)	TP30.413x30.119x0.738	24.901	1219.130	0.020	0.822	3168.358	0.000
L21	93.5 - 93.25 (21)	TP30.469x30.413x0.913	24.914	1502.340	0.017	0.822	3888.633	0.000
L22	93.25 - 88.25 (22)	TP31.576x30.469x0.888	25.359	1517.170	0.017	0.821	4077.533	0.000
L23	88.25 - 87.25 (23)	TP31.798x31.576x0.888	25.447	1528.130	0.017	0.821	4136.617	0.000
L24	87.25 - 87 (24)	TP31.853x31.798x0.938	25.464	1614.500	0.016	0.821	4371.192	0.000
L25	87 - 86.5 (25)	TP31.964x31.853x0.925	25.510	1599.320	0.016	0.821	4347.367	0.000
L26	86.5 - 86.25 (26)	TP32.02x31.964x0.763	25.530	1327.620	0.019	0.821	3634.133	0.000
L27	86.25 - 81.25 (27)	TP33.127x32.02x0.738	25.950	1330.620	0.020	0.821	3774.350	0.000
L28	81.25 - 76.25 (28)	TP34.235x33.127x0.725	26.361	1353.310	0.019	0.821	3971.458	0.000
L29	76.25 - 75.416 (29)	TP34.42x34.235x0.725	26.427	1360.770	0.019	0.821	4015.375	0.000
L30	75.416 - 75.166 (30)	TP34.475x34.42x0.813	26.442	1523.540	0.017	0.821	4491.417	0.000
L31	75.166 - 70.166 (31)	TP35.583x34.475x0.8	26.873	1550.020	0.017	0.821	4721.533	0.000
L32	70.166 - 65.166 (32)	TP36.69x35.583x0.788	27.291	1574.940	0.017	0.820	4951.950	0.000

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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 $\frac{T_u}{\phi T_n}$
L33	65.166 - 60.166 (33)	TP37.798x36.69x0.763	27.701	1573.060	0.018	0.820	5102.050	0.000
L34	60.166 - 57 (34)	TP38.5x37.798x0.75	27.957	1577.090	0.018	0.820	5213.742	0.000
L35	57 - 56.75 (35)	TP38.555x38.5x0.75	27.967	1579.410	0.018	0.820	5229.050	0.000
L36	56.75 - 53 (36)	TP39.386x38.555x0.738	28.276	1587.730	0.018	0.820	5373.850	0.000
L37	53 - 47.203 (37)	TP40.67x39.386x0.738	28.280	1589.670	0.018	0.820	5387.042	0.000
L38	47.203 - 46.203 (38)	TP40.266x38.808x0.763	28.933	1677.890	0.017	0.820	5804.708	0.000
L39	46.203 - 41.203 (39)	TP41.374x40.266x0.75	29.296	1697.170	0.017	0.820	6037.883	0.000
L40	41.203 - 39.333 (40)	TP41.788x41.374x0.75	29.442	1714.470	0.017	0.820	6161.633	0.000
L41	39.333 - 39.083 (41)	TP41.843x41.788x0.825	29.437	1885.020	0.016	0.820	6771.317	0.000
L42	39.083 - 37.75 (42)	TP42.139x41.843x0.825	29.549	1898.590	0.016	0.819	6869.150	0.000
L43	37.75 - 37.5 (43)	TP42.194x42.139x0.75	29.553	1731.440	0.017	0.819	6284.158	0.000
L44	37.5 - 32.5 (44)	TP43.301x42.194x0.725	29.899	1719.460	0.017	0.819	6411.208	0.000
L45	32.5 - 27.5 (45)	TP44.409x43.301x0.725	30.217	1764.180	0.017	0.819	6680.808	0.000
L46	27.5 - 27.25 (46)	TP44.464x44.409x0.725	30.221	1766.420	0.017	0.819	6749.075	0.000
L47	27.25 - 27 (47)	TP44.52x44.464x0.725	30.237	1768.650	0.017	0.819	6766.200	0.000
L48	27 - 22 (48)	TP45.627x44.52x0.713	30.312	1747.450	0.017	0.819	6670.191	0.000
L49	22 - 21.25 (49)	TP45.793x45.627x0.713	30.610	1789.200	0.017	0.819	7011.708	0.000
L50	21.25 - 21 (50)	TP45.849x45.793x0.725	30.618	1822.320	0.017	0.819	7183.617	0.000
L51	21 - 17 (51)	TP46.735x45.849x0.713	30.694	1800.190	0.017	0.819	7081.041	0.000
L52	17 - 16.75 (52)	TP46.79x46.735x0.7	30.890	1797.170	0.017	0.819	7236.533	0.000
L53	16.75 - 16.25 (53)	TP46.901x46.79x0.7	30.927	1801.490	0.017	0.819	7253.950	0.000
L54	16.25 - 16 (54)	TP46.956x46.901x0.775	30.939	1993.650	0.016	0.819	8043.625	0.000
L55	16 - 11 (55)	TP48.064x46.956x0.75	31.017	1939.640	0.016	0.819	7811.300	0.000
L56	11 - 6 (56)	TP49.171x48.064x0.75	31.348	1985.910	0.016	0.819	8190.233	0.000
L57	6 - 1 (57)	TP50.279x49.171x0.738	31.680	1998.820	0.016	0.819	8439.500	0.000
L58	1 - 0 (58)	TP50.5x50.279x0.525	32.005	1461.490	0.022	0.819	6339.733	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	160 - 155 (1)	0.006	0.078	0.000	0.031	0.000	0.085	1.050	4.8.2 ✓
L2	155 - 150 (2)	0.006	0.169	0.000	0.035	0.000	0.176	1.050	4.8.2 ✓
L3	150 - 145 (3)	0.010	0.332	0.000	0.055	0.000	0.345	1.050	4.8.2 ✓
L4	145 - 140 (4)	0.010	0.453	0.000	0.053	0.000	0.465	1.050	4.8.2 ✓
L5	140 - 135 (5)	0.015	0.581	0.000	0.073	0.000	0.601	1.050	4.8.2 ✓

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
L6	135 - 130 (6)	0.015	0.723	0.000	0.071	0.000	0.742	1.050	4.8.2 ✓
L7	130 - 125.75 (7)	0.014	0.827	0.000	0.069	0.000	0.847	1.050	4.8.2 ✓
L8	125.75 - 125.5 (8)	0.015	0.833	0.000	0.069	0.000	0.852	1.050	4.8.2 ✓
L9	125.5 - 119.12 (9)	0.018	0.922	0.000	0.087	0.000	0.948	1.050	4.8.2 ✓
L10	119.12 - 117.87 (10)	0.014	0.754	0.000	0.064	0.000	0.772	1.050	4.8.2 ✓
L11	117.87 - 117.75 (11)	0.014	0.756	0.000	0.064	0.000	0.775	1.050	4.8.2 ✓
L12	117.75 - 117.5 (12)	0.014	0.761	0.000	0.064	0.000	0.779	1.050	4.8.2 ✓
L13	117.5 - 112.5 (13)	0.008	0.444	0.000	0.033	0.000	0.453	1.050	4.8.2 ✓
L14	112.5 - 107.5 (14)	0.008	0.483	0.000	0.033	0.000	0.492	1.050	4.8.2 ✓
L15	107.5 - 103 (15)	0.008	0.516	0.000	0.033	0.000	0.525	1.050	4.8.2 ✓
L16	103 - 102.75 (16)	0.007	0.439	0.000	0.028	0.000	0.446	1.050	4.8.2 ✓
L17	102.75 - 100.21 (17)	0.007	0.459	0.000	0.028	0.000	0.467	1.050	4.8.2 ✓
L18	100.21 - 95.83 (18)	0.006	0.365	0.000	0.022	0.000	0.371	1.050	4.8.2 ✓
L19	95.83 - 94.83 (19)	0.006	0.369	0.000	0.021	0.000	0.375	1.050	4.8.2 ✓
L20	94.83 - 93.5 (20)	0.006	0.373	0.000	0.020	0.000	0.379	1.050	4.8.2 ✓
L21	93.5 - 93.25 (21)	0.005	0.307	0.000	0.017	0.000	0.312	1.050	4.8.2 ✓
L22	93.25 - 88.25 (22)	0.005	0.324	0.000	0.017	0.000	0.329	1.050	4.8.2 ✓
L23	88.25 - 87.25 (23)	0.005	0.325	0.000	0.017	0.000	0.331	1.050	4.8.2 ✓
L24	87.25 - 87 (24)	0.005	0.310	0.000	0.016	0.000	0.315	1.050	4.8.2 ✓
L25	87 - 86.5 (25)	0.005	0.315	0.000	0.016	0.000	0.320	1.050	4.8.2 ✓
L26	86.5 - 86.25 (26)	0.006	0.376	0.000	0.019	0.000	0.382	1.050	4.8.2 ✓
L27	86.25 - 81.25 (27)	0.006	0.396	0.000	0.020	0.000	0.403	1.050	4.8.2 ✓
L28	81.25 - 76.25 (28)	0.006	0.410	0.000	0.019	0.000	0.417	1.050	4.8.2 ✓
L29	76.25 - 75.416 (29)	0.006	0.411	0.000	0.019	0.000	0.418	1.050	4.8.2 ✓
L30	75.416 - 75.166 (30)	0.006	0.370	0.000	0.017	0.000	0.376	1.050	4.8.2 ✓
L31	75.166 - 70.166 (31)	0.006	0.380	0.000	0.017	0.000	0.387	1.050	4.8.2 ✓

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
L32	70.166 - 65.166 (32)	0.006	0.390	0.000	0.017	0.000	0.397	1.050	4.8.2 ✓
L33	65.166 - 60.166 (33)	0.007	0.405	0.000	0.018	0.000	0.412	1.050	4.8.2 ✓
L34	60.166 - 57 (34)	0.007	0.414	0.000	0.018	0.000	0.421	1.050	4.8.2 ✓
L35	57 - 56.75 (35)	0.007	0.414	0.000	0.018	0.000	0.421	1.050	4.8.2 ✓
L36	56.75 - 53 (36)	0.007	0.422	0.000	0.018	0.000	0.430	1.050	4.8.2 ✓
L37	53 - 47.203 (37)	0.007	0.422	0.000	0.018	0.000	0.430	1.050	4.8.2 ✓
L38	47.203 - 46.203 (38)	0.008	0.425	0.000	0.017	0.000	0.433	1.050	4.8.2 ✓
L39	46.203 - 41.203 (39)	0.008	0.433	0.000	0.017	0.000	0.441	1.050	4.8.2 ✓
L40	41.203 - 39.333 (40)	0.008	0.433	0.000	0.017	0.000	0.441	1.050	4.8.2 ✓
L41	39.333 - 39.083 (41)	0.007	0.396	0.000	0.016	0.000	0.404	1.050	4.8.2 ✓
L42	39.083 - 37.75 (42)	0.007	0.396	0.000	0.016	0.000	0.404	1.050	4.8.2 ✓
L43	37.75 - 37.5 (43)	0.008	0.433	0.000	0.017	0.000	0.442	1.050	4.8.2 ✓
L44	37.5 - 32.5 (44)	0.009	0.448	0.000	0.017	0.000	0.457	1.050	4.8.2 ✓
L45	32.5 - 27.5 (45)	0.009	0.448	0.000	0.017	0.000	0.457	1.050	4.8.2 ✓
L46	27.5 - 27.25 (46)	0.009	0.448	0.000	0.017	0.000	0.457	1.050	4.8.2 ✓
L47	27.25 - 27 (47)	0.009	0.448	0.000	0.017	0.000	0.457	1.050	4.8.2 ✓
L48	27 - 22 (48)	0.009	0.455	0.000	0.017	0.000	0.464	1.050	4.8.2 ✓
L49	22 - 21.25 (49)	0.009	0.455	0.000	0.017	0.000	0.464	1.050	4.8.2 ✓
L50	21.25 - 21 (50)	0.009	0.447	0.000	0.017	0.000	0.457	1.050	4.8.2 ✓
L51	21 - 17 (51)	0.009	0.455	0.000	0.017	0.000	0.464	1.050	4.8.2 ✓
L52	17 - 16.75 (52)	0.009	0.462	0.000	0.017	0.000	0.472	1.050	4.8.2 ✓
L53	16.75 - 16.25 (53)	0.009	0.462	0.000	0.017	0.000	0.472	1.050	4.8.2 ✓
L54	16.25 - 16 (54)	0.008	0.419	0.000	0.016	0.000	0.428	1.050	4.8.2 ✓
L55	16 - 11 (55)	0.009	0.432	0.000	0.016	0.000	0.441	1.050	4.8.2 ✓
L56	11 - 6 (56)	0.009	0.432	0.000	0.016	0.000	0.441	1.050	4.8.2 ✓
L57	6 - 1 (57)	0.009	0.437	0.000	0.016	0.000	0.447	1.050	4.8.2 ✓

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Section No.	Elevation ft	Ratio P_u	Ratio M_{ux}	Ratio M_{uy}	Ratio V_u	Ratio T_u	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		ϕP_n	ϕM_{nx}	ϕM_{ny}	ϕV_n	ϕT_n			
L58	1 - 0 (58)	0.013	0.605	0.000	0.022	0.000	0.619 ✓	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	160 - 155	Pole	TP17.62x16.5x0.1875	1	-3.341	--	**	**
L2	155 - 150	Pole	TP18.741x17.62x0.1875	2	-4.178	--	**	**
L3	150 - 145	Pole	TP19.861x18.741x0.1875	3	-6.694	--	**	**
L4	145 - 140	Pole	TP20.981x19.861x0.1875	4	-7.051	--	**	**
L5	140 - 135	Pole	TP22.102x20.981x0.1875	5	-11.204	--	**	**
L6	135 - 130	Pole	TP23.222x22.102x0.1875	6	-11.677	--	**	**
L7	130 - 125.75	Pole	TP24.174x23.222x0.1875	7	-12.108	--	**	**
L8	125.75 - 125.5	Pole	TP24.23x24.174x0.1875	8	-12.148	--	**	**
L9	125.5 - 122.87	Pole	TP25.66x24.23x0.1875	9	-15.706	--	**	**
L10	122.87 - 117.87	Pole	TP25.544x24.445x0.25	10	-16.559	--	**	**
L11	117.87 - 117.75	Pole	TP25.57x25.544x0.25	11	-16.599	--	**	**
L12	117.75 - 117.5	Pole	TP25.625x25.57x0.25	12	-16.631	--	**	**
L13	117.5 - 112.5	Pole + Reinf.	TP26.725x25.625x0.475	13	-17.579	--	**	**
L14	112.5 - 107.5	Pole + Reinf.	TP27.824x26.725x0.4688	14	-18.747	--	**	**
L15	107.5 - 103	Pole + Reinf.	TP28.814x27.824x0.4625	15	-19.655	--	**	**
L16	103 - 102.75	Pole + Reinf.	TP28.869x28.814x0.55	16	-19.730	--	**	**
L17	102.75 - 100.21	Pole + Reinf.	TP29.427x28.869x0.5375	17	-20.356	--	**	**
L18	100.21 - 100.16	Pole + Reinf.	TP30.39x29.427x0.6875	18	-20.383	--	**	**
L19	100.16 - 94.83	Pole + Reinf.	TP30.119x28.937x0.7375	19	-22.937	--	**	**
L20	94.83 - 93.5	Pole + Reinf.	TP30.413x30.119x0.7375	20	-23.333	--	**	**
L21	93.5 - 93.25	Pole + Reinf.	TP30.469x30.413x0.9125	21	-23.431	--	**	**
L22	93.25 - 88.25	Pole + Reinf.	TP31.576x30.469x0.8875	22	-25.187	--	**	**
L23	88.25 - 87.25	Pole + Reinf.	TP31.798x31.576x0.8875	23	-25.545	--	**	**
L24	87.25 - 87	Pole + Reinf.	TP31.853x31.798x0.9375	24	-25.644	--	**	**
L25	87 - 86.5	Pole + Reinf.	TP31.964x31.853x0.925	25	-25.829	--	**	**
L26	86.5 - 86.25	Pole + Reinf.	TP32.02x31.964x0.7625	26	-25.911	--	**	**
L27	86.25 - 81.25	Pole + Reinf.	TP33.127x32.02x0.7375	27	-27.520	--	**	**
L28	81.25 - 76.25	Pole + Reinf.	TP34.235x33.127x0.725	28	-29.162	--	**	**
L29	76.25 - 75.42	Pole + Reinf.	TP34.42x34.235x0.725	29	-29.441	--	**	**
L30	75.42 - 75.17	Pole + Reinf.	TP34.475x34.42x0.8125	30	-29.539	--	**	**
L31	75.17 - 70.17	Pole + Reinf.	TP35.583x34.475x0.8	31	-31.371	--	**	**
L32	70.17 - 65.17	Pole + Reinf.	TP36.69x35.583x0.7875	32	-33.235	--	**	**
L33	65.17 - 60.17	Pole + Reinf.	TP37.798x36.69x0.7625	33	-35.126	--	**	**
L34	60.17 - 57	Pole + Reinf.	TP38.5x37.798x0.75	34	-36.339	--	**	**
L35	57 - 56.75	Pole + Reinf.	TP38.555x38.5x0.75	35	-36.443	--	**	**
L36	56.75 - 53	Pole + Reinf.	TP39.386x38.555x0.7375	36	-37.885	--	**	**
L37	53 - 52.79	Pole + Reinf.	TP40.67x39.386x0.7375	37	-37.983	--	**	**
L38	52.79 - 46.2	Pole + Reinf.	TP40.266x38.808x0.7625	38	-42.809	--	**	**
L39	46.2 - 41.2	Pole + Reinf.	TP41.374x40.266x0.75	39	-44.944	--	**	**
L40	41.2 - 39.33	Pole + Reinf.	TP41.788x41.374x0.75	40	-45.745	--	**	**
L41	39.33 - 39.08	Pole + Reinf.	TP41.843x41.788x0.825	41	-45.877	--	**	**
L42	39.08 - 37.75	Pole + Reinf.	TP42.139x41.843x0.825	42	-46.493	--	**	**
L43	37.75 - 37.5	Pole + Reinf.	TP42.194x42.139x0.75	43	-46.611	--	**	**
L44	37.5 - 32.5	Pole + Reinf.	TP43.301x42.194x0.725	44	-48.790	--	**	**
L45	32.5 - 27.5	Pole + Reinf.	TP44.409x43.301x0.725	45	-50.576	--	**	**
L46	27.5 - 27.25	Pole + Reinf.	TP44.464x44.409x0.725	46	-51.016	--	**	**

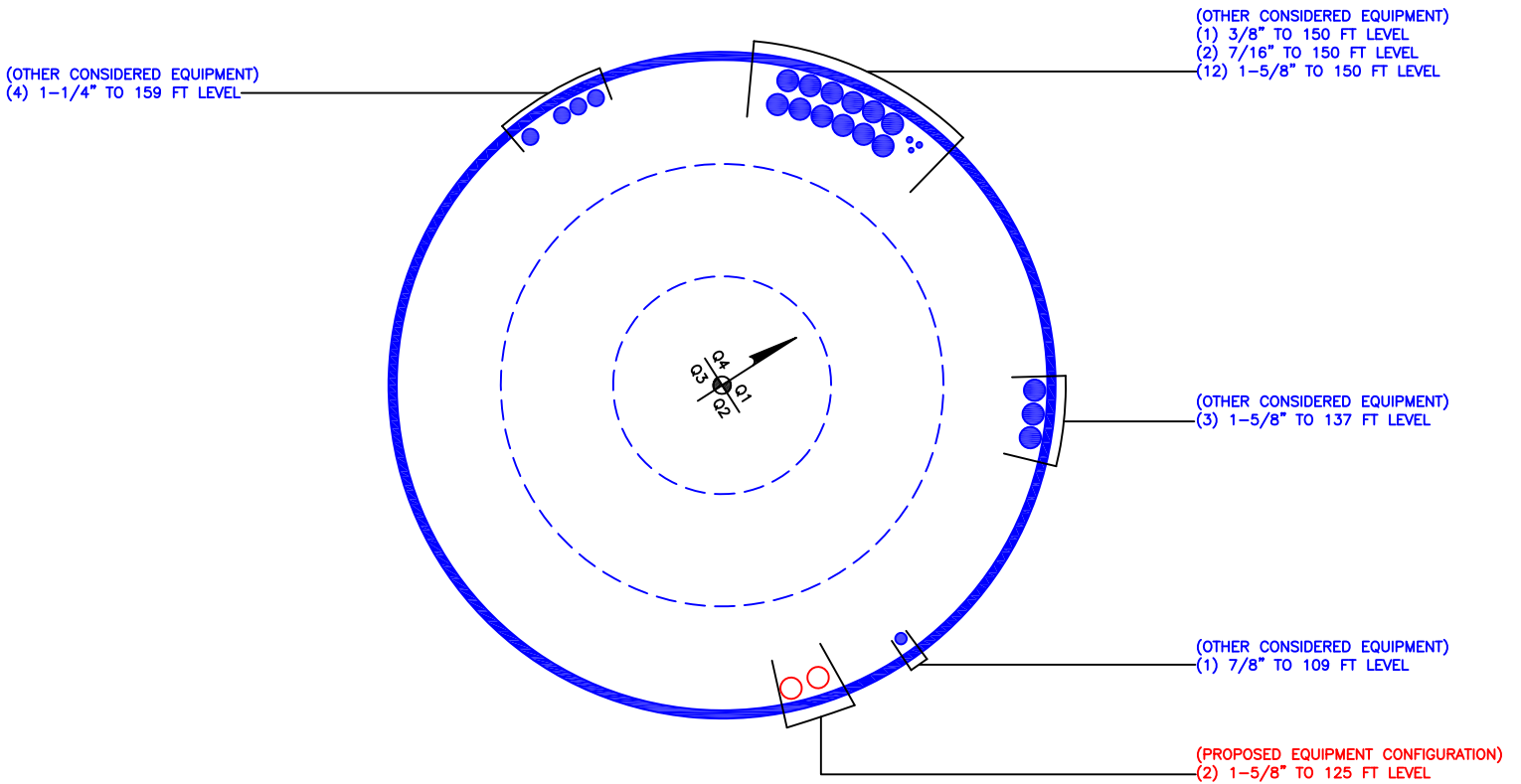
tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT (BU# 876401)	Page 64 of 64
	Project	Date 14:37:33 08/25/21
	Client Crown Castle	Designed by V. RAO

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail	
L47	27.25 - 27	Pole + Reinf.	TP44.52x44.464x0.725	47	-51.128	--	**	**	
L48	27 - 22	Pole + Reinf.	TP45.627x44.52x0.7125	48	-51.248	--	**	**	
L49	22 - 21.25	Pole + Reinf.	TP45.793x45.627x0.7125	49	-53.491	--	**	**	
L50	21.25 - 21	Pole + Reinf.	TP45.849x45.793x0.725	50	-53.827	--	**	**	
L51	21 - 17	Pole + Reinf.	TP46.735x45.849x0.7125	51	-53.958	--	**	**	
L52	17 - 16.75	Pole + Reinf.	TP46.79x46.735x0.7	52	-55.946	--	**	**	
L53	16.75 - 16.25	Pole + Reinf.	TP46.901x46.79x0.7	53	-56.068	--	**	**	
L54	16.25 - 16	Pole + Reinf.	TP46.956x46.901x0.775	54	-56.304	--	**	**	
L55	16 - 11	Pole + Reinf.	TP48.064x46.956x0.75	55	-56.440	--	**	**	
L56	11 - 6	Pole + Reinf.	TP49.171x48.064x0.75	56	-59.021	--	**	**	
L57	6 - 1	Pole + Reinf.	TP50.279x49.171x0.7375	57	-61.629	--	**	**	
L58	1 - 0	Pole + Reinf.	TP50.5x50.279x0.525	58	-64.269	--	**	**	
							Summary		
							Pole (--)	**	**
							RATING =	**	**

** - Check Additional Calculations

Program Version 8.1.1.0

APPENDIX B
BASE LEVEL DRAWING



BUSINESS UNIT: 876401

APPENDIX C
ADDITIONAL CALCULATIONS

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	160	40.88	3.75	18	16.5	25.66	0.1875	Auto	A572-65
2	122.87	27.04	4.333	18	24.44	30.39	0.25	Auto	A572-65
3	100.163	52.96	5.583	18	28.94	40.67	0.3125	Auto	A572-65
4	52.786	52.786	0	18	38.81	50.5	0.375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	27.25	plate	5"x1.25" Plate (Base V	3					E2						E2						E2	
2	27.25	57	plate	5.375"x1.25" Plate (10b	3					E2						E2						E2	
3	57	87.25	plate	5.375"x1.25" Plate (8b	3					E2						E2						E2	
4	87.25	117.75	plate	4.375"x1.25" Plate	3					E2						E2						E2	
5	117.75	125.75	plate	3.125"x1.25" Plate	3					E2						E2						E2	
6	0	39.333	channel	MP3-03 (1.1875in)	3						E3						E3						E3
7	37.75	75.416	channel	MP3-03 (1.1875in)	3	E3						E3						E3					
8	0	16.25	plate	CCI-WSFP-085125	2										E4							E4	
9	0	21.25	plate	CCI-WSFP-085125	1		E4																
10	16.25	53	plate	CCI-SFP-060100	2										E4							E4	
11	53	103	plate	CCI-SFP-060100	1																	E4	
12	49.21	100.21	plate	CCI-SFP-060100	1									E4									
13	17	103	plate	CCI-SFP-060100	1			E4															
14	86.5	93.5	plate	CCI-SFP-045100	3	E4						E4						E4					
15																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	5.375	1.25	6.71875	0.625	Welded	n/a	PC 8.8 - M20 (100)	30.000	15.000	5.078	1.2500	A572-65
2	5.375	1.25	6.71875	0.625	None	n/a	PC 8.8 - M20 (100)	30.000	15.000	5.078	1.2500	A572-65
3	5.375	1.25	6.71875	0.625	None	n/a	PC 8.8 - M20 (100)	24.000	15.000	5.078	1.2500	A572-65
4	4.375	1.25	5.46875	0.625	None	n/a	PC 8.8 - M20 (100)	15.000	21.000	3.828	1.2500	A572-65
5	3.125	1.25	3.90625	0.625	None	n/a	PC 8.8 - M20 (100)	15.000	24.000	2.266	1.2500	A572-65
6	4.06	1.57	2.92	0.59	PC 8.8 - M20 (100)	14	PC 8.8 - M20 (100)	14.000	18.000	2.545	1.1875	A572-65
7	4.06	1.57	2.92	0.59	PC 8.8 - M20 (100)	14	PC 8.8 - M20 (100)	14.000	18.000	2.545	1.1875	A572-65
8	8.5	1.25	10.625	0.625	Welded	n/a	PC 8.8 - M20 (100)	45.000	17.000	9.063	1.1875	A572-65
9	8.5	1.25	10.625	0.625	Welded	n/a	PC 8.8 - M20 (100)	45.000	17.000	9.063	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	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
12	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
13	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
14	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

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
5.375"x1.25" Plate (Base Weld)	Top	10	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	70	CJP Groove	5.375	0.5625	45	0.25	-	-	-
5.375"x1.25" Plate (10b)	Top	10	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	-	None	-	-	-	-	-	-	-
5.375"x1.25" Plate (8b)	Top	8	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	-	None	-	-	-	-	-	-	-
4.375"x1.25" Plate	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	-	None	-	-	-	-	-	-	-
3.125"x1.25" Plate	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	-	None	-	-	-	-	-	-	-

TNX Geometry Input

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

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	160 - 155	5		18	16.500	17.620	0.1875	A572-65	1.000
2	155 - 150	5		18	17.620	18.741	0.1875	A572-65	1.000
3	150 - 145	5		18	18.741	19.861	0.1875	A572-65	1.000
4	145 - 140	5		18	19.861	20.981	0.1875	A572-65	1.000
5	140 - 135	5		18	20.981	22.102	0.1875	A572-65	1.000
6	135 - 130	5		18	22.102	23.222	0.1875	A572-65	1.000
7	130 - 125.75	4.25		18	23.222	24.174	0.1875	A572-65	1.000
8	125.75 - 125.5	0.25		18	24.174	24.230	0.1875	A572-65	1.000
9	125.5 - 122.87	6.38	3.75	18	24.230	25.660	0.1875	A572-65	1.000
10	122.87 - 117.87	5		18	24.445	25.544	0.25	A572-65	1.000
11	117.87 - 117.75	0.12		18	25.544	25.570	0.25	A572-65	1.000
12	117.75 - 117.5	0.25		18	25.570	25.625	0.25	A572-65	1.000
13	117.5 - 112.5	5		18	25.625	26.725	0.475	A572-65	0.945
14	112.5 - 107.5	5		18	26.725	27.824	0.46875	A572-65	0.941
15	107.5 - 103	4.5		18	27.824	28.814	0.4625	A572-65	0.939
16	103 - 102.75	0.25		18	28.814	28.869	0.55	A572-65	1.034
17	102.75 - 100.21	2.54		18	28.869	29.427	0.5375	A572-65	1.046
18	100.21 - 100.163	4.38	4.333	18	29.427	30.390	0.6875	A572-65	0.918
19	100.163 - 94.83	5.333		18	28.937	30.119	0.7375	A572-65	0.930
20	94.83 - 93.5	1.33		18	30.119	30.413	0.7375	A572-65	0.925
21	93.5 - 93.25	0.25		18	30.413	30.469	0.9125	A572-65	0.909
22	93.25 - 88.25	5		18	30.469	31.576	0.8875	A572-65	0.913
23	88.25 - 87.25	1		18	31.576	31.798	0.8875	A572-65	0.909
24	87.25 - 87	0.25		18	31.798	31.853	0.9375	A572-65	0.902
25	87 - 86.5	0.5		18	31.853	31.964	0.925	A572-65	0.911
26	86.5 - 86.25	0.25		18	31.964	32.020	0.7625	A572-65	0.920
27	86.25 - 81.25	5		18	32.020	33.127	0.7375	A572-65	0.933
28	81.25 - 76.25	5		18	33.127	34.235	0.725	A572-65	0.931
29	76.25 - 75.416	0.834		18	34.235	34.420	0.725	A572-65	0.928
30	75.416 - 75.166	0.25		18	34.420	34.475	0.8125	A572-65	0.931
31	75.166 - 70.166	5		18	34.475	35.583	0.8	A572-65	0.927
32	70.166 - 65.166	5		18	35.583	36.690	0.7875	A572-65	0.925
33	65.166 - 60.166	5		18	36.690	37.798	0.7625	A572-65	0.938
34	60.166 - 57	3.166		18	37.798	38.500	0.75	A572-65	0.944
35	57 - 56.75	0.25		18	38.500	38.555	0.75	A572-65	0.943
36	56.75 - 53	3.75		18	38.555	39.386	0.7375	A572-65	0.947
37	53 - 52.786	5.797	5.583	18	39.386	40.670	0.7375	A572-65	1.013
38	52.786 - 46.203	6.583		18	38.808	40.266	0.7625	A572-65	0.987
39	46.203 - 41.203	5		18	40.266	41.374	0.75	A572-65	0.990
40	41.203 - 39.333	1.87		18	41.374	41.788	0.75	A572-65	0.985
41	39.333 - 39.083	0.25		18	41.788	41.843	0.825	A572-65	0.978
42	39.083 - 37.75	1.333		18	41.843	42.139	0.825	A572-65	0.974
43	37.75 - 37.5	0.25		18	42.139	42.194	0.75	A572-65	0.980
44	37.5 - 32.5	5		18	42.194	43.301	0.725	A572-65	1.000
45	32.5 - 27.5	5		18	43.301	44.409	0.725	A572-65	0.988
46	27.5 - 27.25	0.25		18	44.409	44.464	0.725	A572-65	0.988
47	27.25 - 27	0.25		18	44.464	44.520	0.725	A572-65	0.987
48	27 - 22	5		18	44.520	45.627	0.7125	A572-65	0.992
49	22 - 21.25	0.75		18	45.627	45.793	0.7125	A572-65	0.990
50	21.25 - 21	0.25		18	45.793	45.849	0.725	A572-65	1.075
51	21 - 17	4		18	45.849	46.735	0.7125	A572-65	1.083
52	17 - 16.75	0.25		18	46.735	46.790	0.7	A572-65	1.043
53	16.75 - 16.25	0.5		18	46.790	46.901	0.7	A572-65	1.042
54	16.25 - 16	0.25		18	46.901	46.956	0.775	A572-65	1.023
55	16 - 11	5		18	46.956	48.064	0.75	A572-65	1.044
56	11 - 6	5		18	48.064	49.171	0.75	A572-65	1.031
57	6 - 1	5		18	49.171	50.279	0.7375	A572-65	1.036
58	1 - 0	1		18	50.279	50.500	0.525	A572-65	1.099

TNX Section Forces

Increment (ft):		TNX Output			
	5	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	160 - 155		3.34	21.52	5.67
2	155 - 150		4.18	52.18	6.76
3	150 - 145		6.69	113.76	11.23
4	145 - 140		7.05	170.66	11.54
5	140 - 135		11.20	239.81	16.75
6	135 - 130		11.68	324.24	17.04
7	130 - 125.75		12.11	397.13	17.28
8	125.75 - 125.5		12.15	401.45	17.29
9	125.5 - 122.87		15.71	462.28	22.33
10	122.87 - 117.87		16.56	574.75	22.67
11	117.87 - 117.75		16.60	577.46	22.66
12	117.75 - 117.5		16.63	583.13	22.68
13	117.5 - 112.5		17.58	697.41	23.05
14	112.5 - 107.5		18.75	814.23	23.71
15	107.5 - 103		19.66	921.59	24.03
16	103 - 102.75		19.73	927.60	24.04
17	102.75 - 100.21		20.36	988.90	24.25
18	100.21 - 100.163		20.38	990.04	24.25
19	100.163 - 94.83		22.94	1120.80	24.79
20	94.83 - 93.5		23.33	1153.83	24.90
21	93.5 - 93.25		23.43	1160.06	24.91
22	93.25 - 88.25		25.19	1285.71	25.36
23	88.25 - 87.25		25.54	1311.11	25.45
24	87.25 - 87		25.64	1317.47	25.46
25	87 - 86.5		25.83	1330.21	25.51
26	86.5 - 86.25		25.91	1336.59	25.53
27	86.25 - 81.25		27.52	1465.26	25.95
28	81.25 - 76.25		29.16	1595.98	26.36
29	76.25 - 75.416		29.44	1617.98	26.43
30	75.416 - 75.166		29.54	1624.59	26.44
31	75.166 - 70.166		31.37	1757.84	26.87
32	70.166 - 65.166		33.24	1893.20	27.29
33	65.166 - 60.166		35.13	2030.62	27.70
34	60.166 - 57		36.34	2118.69	27.96
35	57 - 56.75		36.44	2125.67	27.97
36	56.75 - 53		37.88	2231.10	28.28
37	53 - 52.786		37.98	2237.15	28.28
38	52.786 - 46.203		42.81	2425.49	28.93
39	46.203 - 41.203		44.94	2570.99	29.30
40	41.203 - 39.333		45.74	2625.87	29.44
41	39.333 - 39.083		45.88	2633.23	29.44
42	39.083 - 37.75		46.49	2672.53	29.55
43	37.75 - 37.5		46.61	2679.91	29.55
44	37.5 - 32.5		48.79	2828.49	29.90
45	32.5 - 27.5		51.00	2978.70	30.22
46	27.5 - 27.25		51.12	2986.26	30.22
47	27.25 - 27		51.24	2993.81	30.24
48	27 - 22		53.47	3145.77	30.57
49	22 - 21.25		53.82	3168.70	30.61
50	21.25 - 21		53.95	3176.35	30.62
51	21 - 17		55.93	3299.32	30.89
52	17 - 16.75		56.06	3307.04	30.89
53	16.75 - 16.25		56.30	3322.49	30.93
54	16.25 - 16		56.43	3330.22	30.94
55	16 - 11		59.00	3485.72	31.28
56	11 - 6		61.61	3642.88	31.61
57	6 - 1		64.25	3801.69	31.95
58	1 - 0		64.67	3833.65	32.01

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP17.62x16.5x0.1875	Pole	8.1%	Pass
155 - 150	Pole	TP18.741x17.62x0.1875	Pole	16.8%	Pass
150 - 145	Pole	TP19.861x18.741x0.1875	Pole	32.8%	Pass
145 - 140	Pole	TP20.981x19.861x0.1875	Pole	44.3%	Pass
140 - 135	Pole	TP22.102x20.981x0.1875	Pole	57.3%	Pass
135 - 130	Pole	TP23.222x22.102x0.1875	Pole	70.7%	Pass
130 - 125.75	Pole	TP24.174x23.222x0.1875	Pole	80.6%	Pass
125.75 - 125.5	Pole	TP24.23x24.174x0.1875	Pole	81.2%	Pass
125.5 - 122.87	Pole	TP25.66x24.23x0.1875	Pole	90.3%	Pass
122.87 - 117.87	Pole	TP25.544x24.445x0.25	Pole	73.6%	Pass
117.87 - 117.75	Pole	TP25.57x25.544x0.25	Pole	73.8%	Pass
117.75 - 117.5	Pole	TP25.625x25.57x0.25	Pole	74.2%	Pass
117.5 - 112.5	Pole + Reinf.	TP26.725x25.625x0.475	Reinf. 4 Tension Rupture	77.2%	Pass
112.5 - 107.5	Pole + Reinf.	TP27.824x26.725x0.4688	Reinf. 4 Tension Rupture	84.6%	Pass
107.5 - 103	Pole + Reinf.	TP28.814x27.824x0.4625	Reinf. 4 Tension Rupture	90.6%	Pass
103 - 102.75	Pole + Reinf.	TP28.869x28.814x0.55	Reinf. 4 Tension Rupture	81.8%	Pass
102.75 - 100.21	Pole + Reinf.	TP29.427x28.869x0.5375	Reinf. 4 Tension Rupture	84.6%	Pass
100.21 - 100.16	Pole + Reinf.	TP30.39x29.427x0.6875	Reinf. 4 Tension Rupture	63.8%	Pass
100.16 - 94.83	Pole + Reinf.	TP30.119x28.937x0.7375	Reinf. 4 Tension Rupture	64.0%	Pass
94.83 - 93.5	Pole + Reinf.	TP30.413x30.119x0.7375	Reinf. 4 Tension Rupture	64.9%	Pass
93.5 - 93.25	Pole + Reinf.	TP30.469x30.413x0.9125	Reinf. 4 Tension Rupture	53.5%	Pass
93.25 - 88.25	Pole + Reinf.	TP31.576x30.469x0.8875	Reinf. 4 Tension Rupture	56.5%	Pass
88.25 - 87.25	Pole + Reinf.	TP31.798x31.576x0.8875	Reinf. 4 Tension Rupture	57.1%	Pass
87.25 - 87	Pole + Reinf.	TP31.853x31.798x0.9375	Reinf. 14 Tension Rupture	52.4%	Pass
87 - 86.5	Pole + Reinf.	TP31.964x31.853x0.925	Reinf. 14 Tension Rupture	52.7%	Pass
86.5 - 86.25	Pole + Reinf.	TP32.02x31.964x0.7625	Reinf. 3 Tension Rupture	61.0%	Pass
86.25 - 81.25	Pole + Reinf.	TP33.127x32.02x0.7375	Reinf. 3 Tension Rupture	63.7%	Pass
81.25 - 76.25	Pole + Reinf.	TP34.235x33.127x0.725	Reinf. 3 Tension Rupture	66.1%	Pass
76.25 - 75.42	Pole + Reinf.	TP34.42x34.235x0.725	Reinf. 3 Tension Rupture	66.5%	Pass
75.42 - 75.17	Pole + Reinf.	TP34.475x34.42x0.8125	Reinf. 3 Tension Rupture	59.2%	Pass
75.17 - 70.17	Pole + Reinf.	TP35.583x34.475x0.8	Reinf. 3 Tension Rupture	61.3%	Pass
70.17 - 65.17	Pole + Reinf.	TP36.69x35.583x0.7875	Reinf. 3 Tension Rupture	63.2%	Pass
65.17 - 60.17	Pole + Reinf.	TP37.798x36.69x0.7625	Reinf. 3 Tension Rupture	65.0%	Pass
60.17 - 57	Pole + Reinf.	TP38.5x37.798x0.75	Reinf. 3 Tension Rupture	66.1%	Pass
57 - 56.75	Pole + Reinf.	TP38.555x38.5x0.75	Reinf. 2 Tension Rupture	66.2%	Pass
56.75 - 53	Pole + Reinf.	TP39.386x38.555x0.7375	Reinf. 2 Tension Rupture	67.4%	Pass
53 - 52.79	Pole + Reinf.	TP40.67x39.386x0.7375	Reinf. 2 Tension Rupture	67.8%	Pass
52.79 - 46.2	Pole + Reinf.	TP40.266x38.808x0.7625	Reinf. 2 Tension Rupture	67.2%	Pass
46.2 - 41.2	Pole + Reinf.	TP41.374x40.266x0.75	Reinf. 2 Tension Rupture	68.4%	Pass
41.2 - 39.33	Pole + Reinf.	TP41.788x41.374x0.75	Reinf. 2 Tension Rupture	68.8%	Pass
39.33 - 39.08	Pole + Reinf.	TP41.843x41.788x0.825	Reinf. 2 Tension Rupture	62.8%	Pass
39.08 - 37.75	Pole + Reinf.	TP42.139x41.843x0.825	Reinf. 2 Tension Rupture	63.1%	Pass
37.75 - 37.5	Pole + Reinf.	TP42.194x42.139x0.75	Reinf. 2 Tension Rupture	69.2%	Pass
37.5 - 32.5	Pole + Reinf.	TP43.301x42.194x0.725	Reinf. 2 Tension Rupture	70.2%	Pass
32.5 - 27.5	Pole + Reinf.	TP44.409x43.301x0.725	Reinf. 2 Tension Rupture	71.2%	Pass
27.5 - 27.25	Pole + Reinf.	TP44.464x44.409x0.725	Reinf. 2 Tension Rupture	71.2%	Pass
27.25 - 27	Pole + Reinf.	TP44.52x44.464x0.725	Reinf. 1 Tension Rupture	71.2%	Pass
27 - 22	Pole + Reinf.	TP45.627x44.52x0.7125	Reinf. 1 Tension Rupture	72.1%	Pass
22 - 21.25	Pole + Reinf.	TP45.793x45.627x0.7125	Reinf. 1 Tension Rupture	72.2%	Pass
21.25 - 21	Pole + Reinf.	TP45.849x45.793x0.725	Reinf. 10 Tension Rupture	67.9%	Pass
21 - 17	Pole + Reinf.	TP46.735x45.849x0.7125	Reinf. 10 Tension Rupture	68.5%	Pass
17 - 16.75	Pole + Reinf.	TP46.79x46.735x0.7	Reinf. 1 Tension Rupture	74.2%	Pass
16.75 - 16.25	Pole + Reinf.	TP46.901x46.79x0.7	Reinf. 1 Tension Rupture	74.3%	Pass
16.25 - 16	Pole + Reinf.	TP46.956x46.901x0.775	Reinf. 1 Tension Rupture	70.9%	Pass
16 - 11	Pole + Reinf.	TP48.064x46.956x0.75	Reinf. 1 Tension Rupture	71.7%	Pass
11 - 6	Pole + Reinf.	TP49.171x48.064x0.75	Reinf. 1 Tension Rupture	72.3%	Pass
6 - 1	Pole + Reinf.	TP50.279x49.171x0.7375	Reinf. 1 Tension Rupture	72.9%	Pass
1 - 0	Pole + Reinf.	TP50.5x50.279x0.525	Reinf. 8 Compression	79.3%	Pass
				Summary	
			Pole	90.3%	Pass
			Reinforcement	90.6%	Pass
			Overall	90.6%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity*															
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	
160 - 155	398	n/a	398	10.37	n/a	10.37	8.1%															
155 - 150	480	n/a	480	11.04	n/a	11.04	16.8%															
150 - 145	572	n/a	572	11.71	n/a	11.71	32.8%															
145 - 140	676	n/a	676	12.37	n/a	12.37	44.3%															
140 - 135	791	n/a	791	13.04	n/a	13.04	57.3%															
135 - 130	919	n/a	919	13.71	n/a	13.71	70.7%															
130 - 125.75	1037	n/a	1037	14.27	n/a	14.27	80.6%															
125.75 - 125.5	1045	n/a	1045	14.31	n/a	14.31	81.2%															
125.5 - 122.87	1123	n/a	1123	14.66	n/a	14.66	90.3%															
122.87 - 117.87	1622	n/a	1622	20.07	n/a	20.07	73.6%															
117.87 - 117.75	1627	n/a	1627	20.09	n/a	20.09	73.8%															
117.75 - 117.5	1637	n/a	1637	20.13	n/a	20.13	74.2%															
117.5 - 112.5	1860	1619	3479	21.01	16.41	37.41	43.3%				77.2%											
112.5 - 107.5	2101	1748	3849	21.88	16.41	38.29	48.0%				84.6%											
107.5 - 103	2335	1868	4203	22.66	16.41	39.07	52.0%				90.6%											
103 - 102.75	2406	2620	5027	22.71	28.41	51.11	49.1%				81.8%						54.6%				54.6%	
102.75 - 100.21	2549	2718	5267	23.15	28.41	51.56	51.1%				84.6%						56.6%				56.6%	
100.21 - 100.16	2492	4058	6549	23.16	34.41	57.57	36.9%				63.8%						56.0%	56.0%			56.0%	
100.16 - 94.83	3317	4239	7556	29.56	34.41	63.97	35.1%				64.0%						56.2%	56.2%			56.2%	
94.83 - 93.5	3417	4318	7735	29.86	34.41	64.26	35.7%				64.9%						57.1%	57.1%			57.1%	
93.5 - 93.25	3435	6016	9452	29.91	47.91	77.82	29.5%				53.5%						47.0%	47.0%			47.0%	51.5%
93.25 - 88.25	3828	6442	10270	31.01	47.91	78.92	31.4%				56.5%						49.7%	49.7%			49.7%	54.4%
88.25 - 87.25	3910	6529	10439	31.23	47.91	79.13	31.8%				57.1%						50.2%	50.2%			50.2%	54.9%
87.25 - 87	3931	7076	11007	31.28	51.66	82.94	30.4%				50.5%						47.9%	47.9%			47.9%	52.4%
87 - 86.5	3972	7123	11096	31.39	51.66	83.05	30.5%				50.8%						48.1%	48.1%			48.1%	52.7%
86.5 - 86.25	3993	5295	9288	31.45	38.16	69.60	36.7%				61.0%						57.8%	57.8%			57.8%	
86.25 - 81.25	4426	5651	10078	32.55	38.16	70.70	38.7%				63.7%						60.4%	60.4%			60.4%	
81.25 - 76.25	4890	6019	10909	33.65	38.16	71.80	40.6%				66.1%						62.7%	62.7%			62.7%	
76.25 - 75.42	4970	6082	11052	33.83	38.16	71.99	40.9%				66.5%						63.1%	63.1%			63.1%	
75.42 - 75.17	4995	7495	12490	33.88	46.92	80.80	36.5%				59.2%				54.0%		56.2%	56.2%			56.2%	
75.17 - 70.17	5496	7965	13462	34.98	46.92	81.90	38.1%				61.3%				55.9%		58.2%	58.2%			58.2%	
70.17 - 65.17	6031	8450	14480	36.08	46.92	83.00	39.7%				63.2%				57.6%		60.0%	60.0%			60.0%	
65.17 - 60.17	6598	8948	15547	37.18	46.92	84.10	41.3%				65.0%				59.3%		61.7%	61.7%			61.7%	
60.17 - 57	6976	9272	16247	37.88	46.92	84.79	42.2%				66.1%				60.2%		62.7%	62.7%			62.7%	
57 - 56.75	7006	9297	16303	37.93	46.92	84.85	42.3%			66.2%					60.3%		62.8%	62.8%			62.8%	
56.75 - 53	7473	9688	17161	38.75	46.92	85.67	43.4%				67.4%				61.4%		64.0%	64.0%			64.0%	
53 - 52.79	7502	9795	17297	38.80	52.92	91.72	43.7%				67.8%				58.2%		64.4%			54.1%	62.5%	
52.79 - 46.2	9545	9352	18897	47.48	46.92	94.40	42.2%				67.2%				63.3%		62.8%				60.5%	
46.2 - 41.2	10362	9856	20218	48.80	46.92	95.71	43.3%				68.4%				64.4%		63.9%				61.7%	
41.2 - 39.33	10679	10048	20727	49.29	46.92	96.21	43.7%				68.8%				64.8%		64.3%				62.1%	
39.33 - 39.08	10722	12104	22826	49.36	55.68	105.03	39.8%				62.8%			58.4%	59.0%		58.7%				56.9%	
39.08 - 37.75	10952	12270	23222	49.71	55.68	105.38	40.1%				63.1%			58.7%	59.2%		59.0%				57.2%	
37.75 - 37.5	10996	10238	21234	49.77	46.92	96.69	44.1%				69.2%			64.5%			64.7%				62.4%	
37.5 - 32.5	11893	10764	22657	51.09	46.92	98.01	45.1%				70.2%			65.4%			65.6%				63.4%	
32.5 - 27.5	12838	11304	24142	52.41	46.92	99.33	46.1%				71.2%			66.3%			66.5%				64.3%	
27.5 - 27.25	12886	11332	24218	52.48	46.92	99.39	46.1%				71.2%			66.3%			66.6%				64.3%	
27.25 - 27	12935	11359	24294	52.54	46.92	99.46	46.2%			71.2%				66.4%			66.6%				64.4%	
27 - 22	13933	11914	25846	53.86	46.92	100.78	47.1%				72.1%			67.1%			67.4%				65.2%	
22 - 21.25	14087	11998	26085	54.06	46.92	100.97	47.2%				72.2%			67.2%			67.5%				65.3%	
21.25 - 21	14135	12525	26660	54.12	57.54	111.66	45.9%			67.8%				66.4%		48.3%	67.9%				51.9%	
21 - 17	14977	12997	27974	55.18	57.54	112.72	46.6%			68.4%				67.0%			68.5%				52.4%	
17 - 16.75	15045	12437	27482	55.24	51.54	106.78	49.3%			74.2%				70.2%			53.6%	69.0%				
16.75 - 16.25	15153	12494	27647	55.38	51.54	106.92	49.4%			74.3%				70.2%			53.6%	69.0%				
16.25 - 16	15300	15120	30420	55.44	60.79	116.23	46.6%			70.9%				65.8%		59.3%	52.4%					
16 - 11	16415	15818	32233	56.76	60.79	117.55	47.4%			71.7%				66.5%		57.7%	53.0%					
11 - 6	17582	16532	34115	58.08	60.79	118.87	48.3%			72.3%				67.1%		58.3%	53.6%					
6 - 1	18804	17263	36067	59.40	60.79	120.19	49.1%			72.9%				67.7%		58.8%	54.2%					
1 - 0	19161	7087	26248	59.66	31.88	91.53	69.0%									79.3%	71.2%					

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

Monopole Base Plate Connection

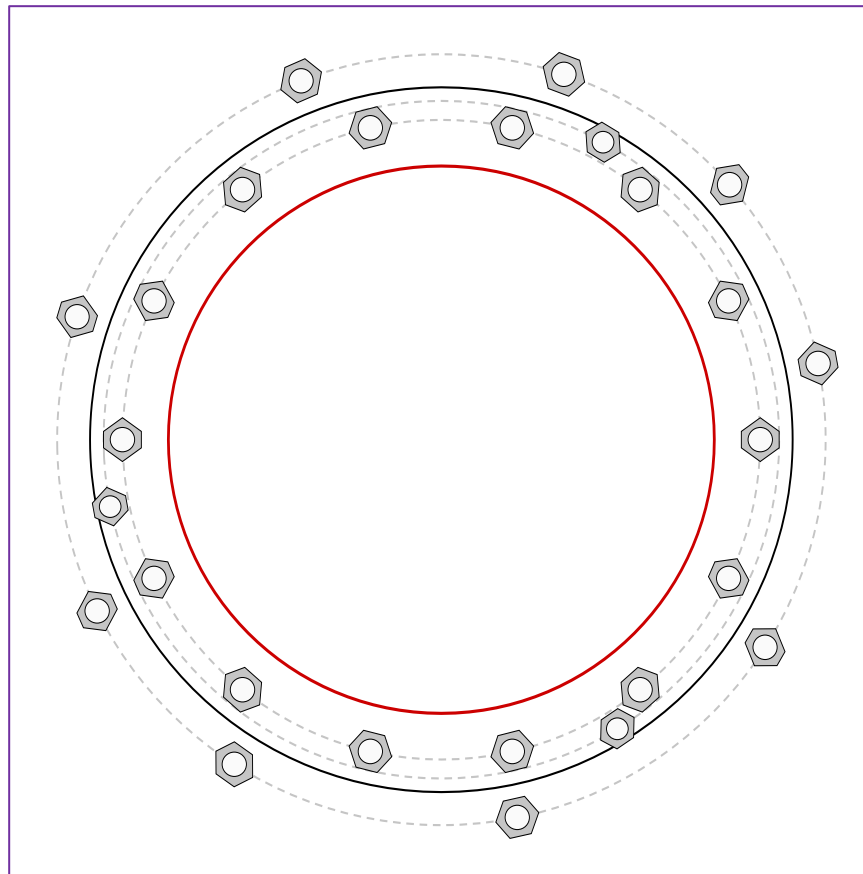


Site Info	
BU #	876401
Site Name	N OF PLAINFIELD/SSUS
Order #	583854, Rev# 1

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

Applied Loads	
Moment (kip-ft)	3833.98
Axial Force (kips)	64.67
Shear Force (kips)	32.01

*TIA-222-H Section 15.5 Applied



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

Anchor Rod Data
GROUP 1: (14) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 59" BC
GROUP 2: (3) 2" ϕ bolts (A193 Gr. B7 N; $F_y=105$ ksi, $F_u=125$ ksi) on 62.5" BC <i>pos. (deg): 61.4, 191.4, 301.4</i>
GROUP 3: (9) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 71.1" BC <i>pos. (deg): 11.4, 41.4, 71.4, 111.4, 161.4, 206.4, 237.4, 281.4, 327.4</i>
Base Plate Data
65" OD x 1.75" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)
Stiffener Data
N/A
Pole Data
50.5" x 0.375" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary	<i>(units of kips, kip-in)</i>		
GROUP 1:	$P_{u,t} = 108.18$	$\phi P_{n,t} = 243.75$	Stress Rating
	$V_u = 2.29$	$\phi V_n = 149.1$	42.3%
	$M_u = n/a$	$\phi M_n = n/a$	Pass
GROUP 2:	$P_{u,t} = 90.5$	$\phi P_{n,t} = 234.38$	Stress Rating
	$V_u = 0$	$\phi V_n = 147.26$	36.8%
	$M_u = n/a$	$\phi M_n = n/a$	Pass
GROUP 3:	$P_{u,t} = 134.04$	$\phi P_{n,t} = 243.75$	Stress Rating
	$V_u = 0$	$\phi V_n = 149.1$	52.4%
	$M_u = 0$	$\phi M_n = 128.14$	Pass
Base Plate Summary			
Max Stress (ksi):	34.5		(Flexural)
Allowable Stress (ksi):	54		
Stress Rating:	60.8%		Pass

CCIplate

Elevation (ft) | 0 | (Base)

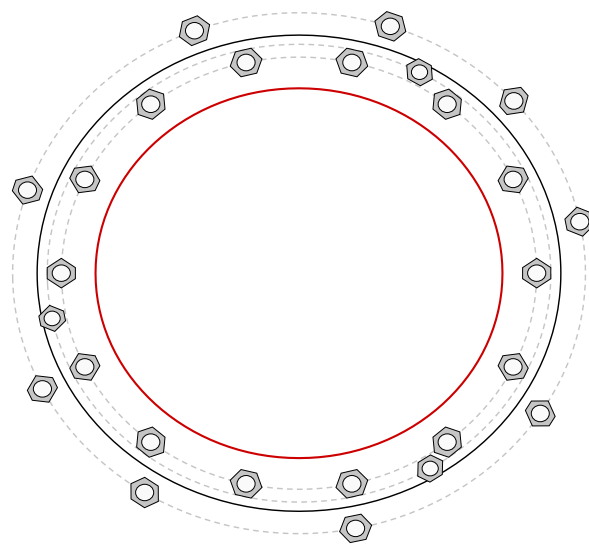
note: Bending interaction not considered when Grout Considered = "Yes"

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

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η :	I_{ar} (in):	Thread Type	Area Override, in ²	Tension Only
1	1	0	2.25	A615-75	59	0.55	0	N-Included		No
2	1	25.714286	2.25	A615-75	59	0.55	0	N-Included		No
3	1	51.428571	2.25	A615-75	59	0.55	0	N-Included		No
4	1	77.142857	2.25	A615-75	59	0.55	0	N-Included		No
5	1	102.85714	2.25	A615-75	59	0.55	0	N-Included		No
6	1	128.57143	2.25	A615-75	59	0.55	0	N-Included		No
7	1	154.28571	2.25	A615-75	59	0.55	0	N-Included		No
8	1	180	2.25	A615-75	59	0.55	0	N-Included		No
9	1	205.71429	2.25	A615-75	59	0.55	0	N-Included		No
10	1	231.42857	2.25	A615-75	59	0.55	0	N-Included		No
11	1	257.14286	2.25	A615-75	59	0.55	0	N-Included		No
12	1	282.85714	2.25	A615-75	59	0.55	0	N-Included		No
13	1	308.57143	2.25	A615-75	59	0.55	0	N-Included		No
14	1	334.28571	2.25	A615-75	59	0.55	0	N-Included		No
15	2	61.4	2	A193 Gr. B7	62.5	0.55	0	N-Included		No
16	2	191.4	2	A193 Gr. B7	62.5	0.55	0	N-Included		No
17	2	301.4	2	A193 Gr. B7	62.5	0.55	0	N-Included		No
18	3	11.4	2.25	A615-75	71.1	0.5	3	N-Included		No
19	3	41.4	2.25	A615-75	71.1	0.5	3	N-Included		No
20	3	71.4	2.25	A615-75	71.1	0.5	3	N-Included		No
21	3	111.4	2.25	A615-75	71.1	0.5	3	N-Included		No
22	3	161.4	2.25	A615-75	71.1	0.5	3	N-Included		No
23	3	206.4	2.25	A615-75	71.1	0.5	3	N-Included		No
24	3	237.4	2.25	A615-75	71.1	0.5	3	N-Included		No
25	3	281.4	2.25	A615-75	71.1	0.5	3	N-Included		No
26	3	327.4	2.25	A615-75	71.1	0.5	3	N-Included		No

Plot Graphic



PROJECT **136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT**

SUBJECT **Anchor Rod Bracket Analysis**

DATE **08-25-21**

TIA-222 Rev.

H

v4.6.1

Apply TIA-222-H Section 15.5?

Yes



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

Analysis Criteria	
Design/Analysis	Analysis
Load Type	Current Load
Current load	90.5 kips
AR Capacity	296.9 kips

Tower Type	Monopole
------------	----------

Manufacturers Tower Prop.	
Pole Thickness	0.375 in
Pole Grade	A572-65
Fy	65 ksi
Fu	80 ksi
Base Plate Gr.	A572-60
Fy	60 ksi
Fu	75 ksi

Post-Installed Adhesive AR Mod.	
ARB Type	Welded
Size	2 in
Grade	A193 Gr B7
Fy	105 ksi
Fu	125 ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	23.1%	-
Tube Compression	34.6%	-
Gusset Shear	16.0%	-
Gusset Flexure	N/A	-
Welds	Gusset to Tower and BP	31.6%
	Gusset to Tube	16.2%
	Geometry	N/A
Tower Punching	12.8%	-
Tube Punching	27.5%	-
Utilization		34.6%

Bracket Properties		
Gusset	Pipe/Tube	Weld - Gusset to Pipe/Tube
Thickness	1.25 in	FEXX
Width at Tube	4 in	70 ksi
Height at Pole	30 in	Weld Type
Height at Tube	12 in	CJP - Double Bevel
Grade	A572-65	Fillet Size
Fy	65 ksi	1/2 in
Fu	80 ksi	Bevel Depth
		5/8 in
Weld - Gusset to Tower		Weld - Gusset to Base Plate
FEXX	70 ksi	FEXX
Weld Type	Double Fillet	70 ksi
Fillet Size	3/8 in	Weld Type
		CJP - Double Bevel
		Fillet Size
		1/2 in
		Bevel Depth
		5/8 in
		Gap
		0 in
		Notch (horiz)
		0.75 in
		Notch (vert)
		0.75 in
		Pipe/Tube Welded to Base/Footpad?
		Yes
		Fillet Size
		3/8 in

PROJECT **136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT**

SUBJECT **Anchor Rod Bracket Analysis**

DATE **08-25-21**

TIA-222 Rev.

H

v4.6.1

Apply TIA-222-H Section 15.5?

Yes



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

Analysis Criteria	
Design/Analysis	Analysis
Load Type	Current Load
Current load	134.04 kips
AR Capacity	268.4 kips

Tower Type	Monopole
------------	----------

Manufacturers Tower Prop.	
Pole Thickness	0.375 in
Pole Grade	A572-65
Fy	65 ksi
Fu	80 ksi
Base Plate Gr.	A572-60
Fy	60 ksi
Fu	75 ksi

Post-Installed Adhesive AR Mod.	
ARB Type	Welded
Size	2.25 in
Grade	A615-75
Fy	75 ksi
Fu	100 ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	26.1%	-
Tube Compression	39.1%	-
Gusset Shear	7.9%	-
Gusset Flexure	5.8%	-
Welds	Gusset to Tower and BP	24.1%
	Gusset to Tube	25.5%
Geometry	N/A	-
Tower Punching	15.8%	-
Tube Punching	5.7%	-
Utilization		39.1%

Bracket Properties					
Gusset		Pipe/Tube		Weld - Gusset to Pipe/Tube	
Thickness	1.25 in	Size	HSS5x5x1/2	FEXX	70 ksi
Width at Tube	8.25 in	Total Length	45 in	Weld Type	Double Fillet
Height at Pole	44 in	Length above Gusset	3 in	Fillet Size	5/16 in
Height at Tube	36 in	Length below Gusset	6 in		
Grade	A572-65	Grade	A500 Grade B (Square)		
Fy	65 ksi	Fy	46 ksi		
Fu	80 ksi	Fu	58 ksi		
Weld - Gusset to Tower		Weld - Gusset to Base Plate			
FEXX	70 ksi	Weld Type	Floating		
Weld Type	Double Fillet				
Fillet Size	5/16 in				

PROJECT	136378.008.01 - TOWN OF PLAINFIELD/SSUSA, CT
SUBJECT	Effective Embedment of Pier Reinforcement
DATE	08-25-21

v2.0.1



Foundation Modification Properties		
Modification Type	Deep Anchor Rod	
Deep Anchor Rod size	2	
OD of Deep Anchor Rod	2	in
Embedment Length of Deep Anchor Rod	17.5	ft
Deep Anchor Rod Grade	105	ksi
f'c	3.00	ksi
Foundation Extension above grade	1.00	ft

Post Installed Rebar		
Capacity of single Rebar ($\Phi \cdot A \cdot F_y$)	169.6	kip
Epoxy Manufacturer	Hilti RE 500 V3	
Uncracked Bond Strength	1.15	ksi
Development length	3.003	ft
Effective Embedment length	13.5	ft

Use this depth to define Pier Section in the Drilled Pier tool.
 Model using an eq. rebar size.

PROJECT	136378.001.01 - TOWN OF PLAINFIELD/SSUSA, CT
SUBJECT	Effective Embedment of Pier Reinforcement
DATE	08-25-21

v2.0.1



Foundation Modification Properties		
Modification Type	Deep Anchor Rod	
Deep Anchor Rod size	2.25	
OD of Deep Anchor Rod	2.25	in
Embedment Length of Deep Anchor Rod	18	ft
Deep Anchor Rod Grade	75	ksi
f'c	3.00	ksi
Foundation Extension above grade	1.00	ft

Post Installed Rebar		
Capacity of single Rebar ($\Phi \cdot A \cdot F_y$)	214.7	kip
Epoxy Manufacturer	Hilti RE 500 V3	
Uncracked Bond Strength	1.12	ksi
Development length	3.468	ft
Effective Embedment length	13.5	ft

Use this depth to define Pier Section in the Drilled Pier tool.
 Model using an eq. rebar size.

Drilled Pier Foundation

BU # :	876401
Site Name:	TOWN OF PLAINFIELD/SS
Order Number:	583854, Rev# 1
TIA-222 Revision:	H
Tower Type:	Monopole



Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	3834	
Axial Force (kips)	65	
Shear Force (kips)	32	

Material Properties		
Concrete Strength, f'c:	4	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Pier Design Data		
Depth	26	ft
Ext. Above Grade	1	ft
Pier Section 1		
<i>From 1' above grade to 13.5' below grade</i>		
Pier Diameter	7	ft
Rebar Quantity	18	
Rebar Size	11	
Rebar Cage Diameter	73	in
Tie Size	5	
Tie Spacing	12	in
Rebar Quantity	9	
Rebar Size	18	
Rebar Cage Diameter	71.1	in
Rebar Quantity	3	
Rebar Size	16	
Rebar Cage Diameter	62.5	in
Pier Section 2		
<i>From 13.5' below grade to 26' below grade</i>		
Pier Diameter	7	ft
Rebar Quantity	18	
Rebar Size	11	
Rebar Cage Diameter	73	in
Tie Size	5	
Tie Spacing	12	in

Rebar 2, Fy Override (ksi)	75
Rebar 3, Fy Override (ksi)	105

Rebar & Pier Options
 Embedded Pole Inputs
 Belled Pier Inputs

Analysis Results		
Soil Lateral Check		
	Compression	Uplift
D _{v=0} (ft from TOC)	7.78	-
Soil Safety Factor	4.38	-
Max Moment (kip-ft)	4043.66	-
Rating*	29.0%	-
Soil Vertical Check		
	Compression	Uplift
Skin Friction (kips)	395.64	-
End Bearing (kips)	461.81	-
Weight of Concrete (kips)	187.03	-
Total Capacity (kips)	857.45	-
Axial (kips)	252.03	-
Rating*	28.0%	-
Reinforced Concrete Flexure		
	Compression	Uplift
Critical Depth (ft from TOC)	14.51	-
Critical Moment (kip-ft)	3518.18	-
Critical Moment Capacity	4701.05	-
Rating*	71.3%	-
Reinforced Concrete Shear		
	Compression	Uplift
Critical Depth (ft from TOC)	20.22	-
Critical Shear (kip)	461.05	-
Critical Shear Capacity	627.27	-
Rating*	70.0%	-
Structural Foundation Rating*	71.3%	
Soil Interaction Rating*	29.0%	

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
N/A	<input type="checkbox"/>
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	<input checked="" type="checkbox"/>
Shear Design Options	
Check Shear along Depth of Pier:	<input checked="" type="checkbox"/>
Utilize Shear-Friction Methodology:	<input type="checkbox"/>
Override Critical Depth:	<input type="checkbox"/>

[Go to Soil Calculations](#)

Soil Profile			
Groundwater Depth	N/A	# of Layers	4

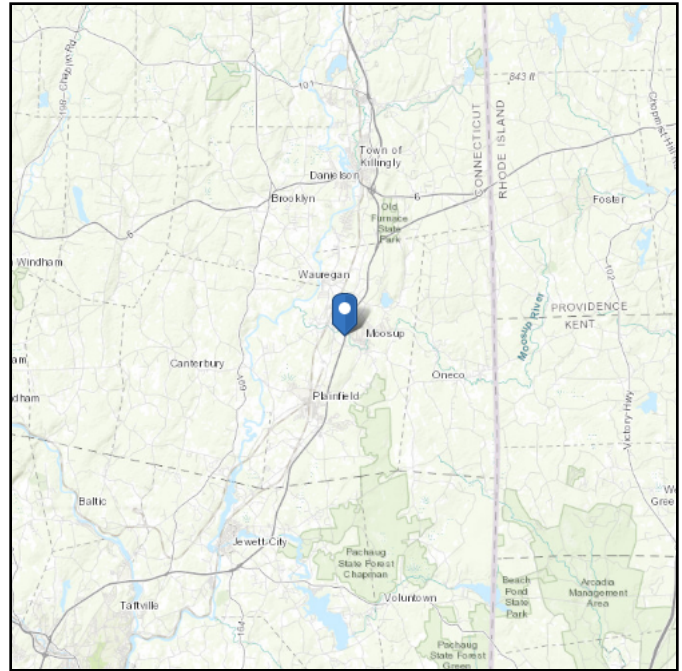
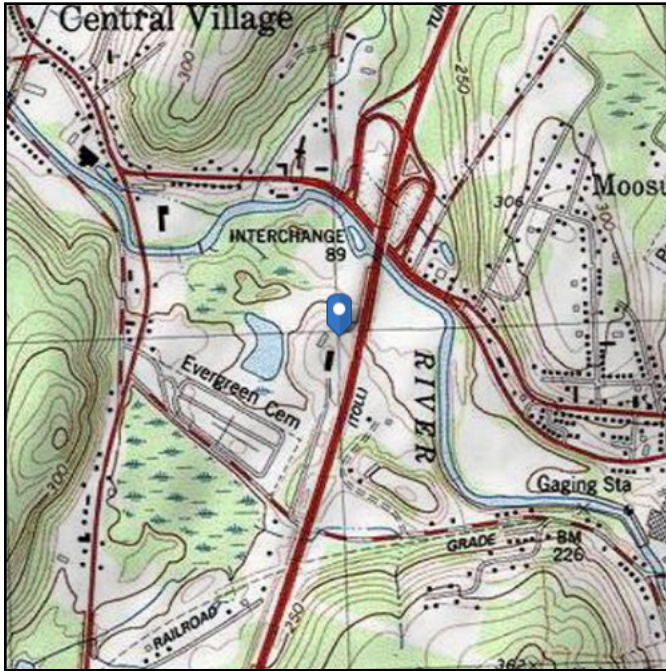
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	6	2.5	115	150	0	32	0.000	0.000	1.07	1.07			Cohesionless
3	6	10	4	120	150	0	38	0.000	0.000	1.07	1.07			Cohesionless
4	10	26	16	125	150	0	43	0.000	0.000	1.07	1.07	16		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 219.35 ft (NAVD 88)
Latitude: 41.715136
Longitude: -71.896314

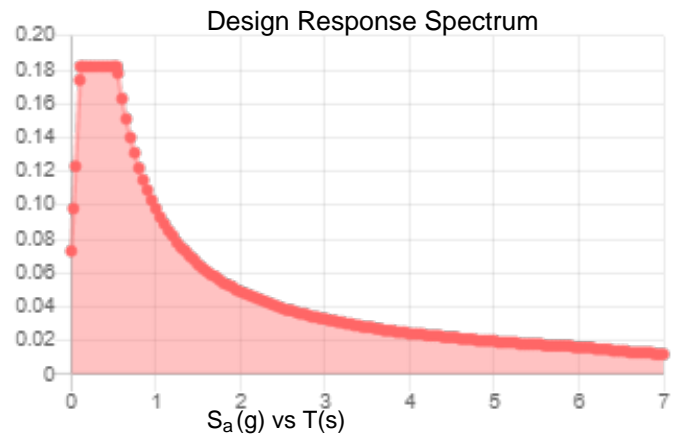
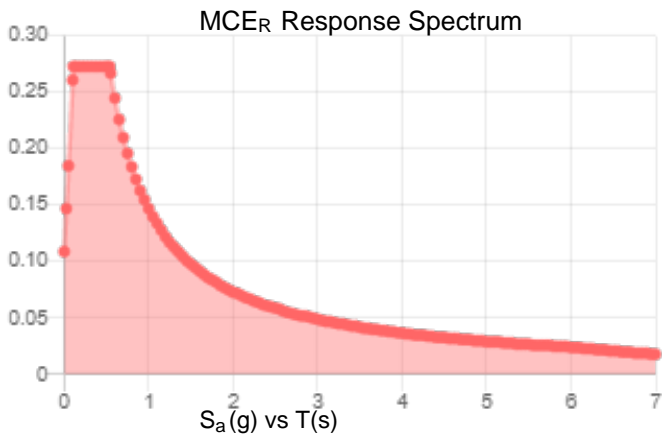


Site Soil Class: D - Stiff Soil

Results:

S_S :	0.17	S_{DS} :	0.182
S_1 :	0.061	S_{D1} :	0.098
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.085
S_{MS} :	0.273	PGA _M :	0.137
S_{M1} :	0.147	F _{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Thu Aug 19 2021

Date Source:

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

Ice

Results:

Ice Thickness: 0.75 in.
Concurrent Temperature: 15 F
Gust Speed: 50 mph

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

Date Accessed: Thu Aug 19 2021

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

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

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

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

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

Exhibit E

Mount Analysis



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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10097730
Maser Consulting Connecticut Project #: 21777343A (Rev. 1)

September 13, 2021

Site Information

Site ID: 469332-VZW / PLAINFIELD N 2 CT
Site Name: PLAINFIELD N 2 CT
Carrier Name: Verizon Wireless
Address: 47-52 Unity Street
Plainfield, Connecticut 06374
Windham County
Latitude: 41.715136°
Longitude: -71.896314°

Structure Information

Tower Type: Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16272124

Analysis Results

Platform: 55.7% 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: Nathan LaPorte



Digitally signed by Justin Linette
Date: 2021.09.13 14:28:23-0400'

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: 2542864, dated August 12, 2021</i>
<i>Mount Mapping Report</i>	<i>RKS Design & Engineering, LLC, Site ID: CC: 876401, VZW: 469332, Dated March 24, 2021</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut Project #: 21777343A, dated September 2, 2021</i>
<i>Mount Modification Drawings</i>	<i>Maser Consulting Connecticut Project #: 21777343A, dated September 13, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 123 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.992
Seismic Parameters:	S_s : 0.186 g S_1 : 0.054 g
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
125.50	127.00	6	CommScope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	CommScope	CBC78T-DS-43-2X	
		1	Raycap	RVZDC-6627-PF-48	

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

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

Standard Conditions:

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Support Rail Corner	37.2%	Pass
Support Rail	35.3%	Pass
Mount Pipe	47.3%	Pass
Face Horizontal	15.5%	Pass
Corner Plate	15.4%	Pass
Cross Arm Plate	30.3%	Pass
Grating Support	11.8%	Pass
Platform Crossmember	15.0%	Pass
Standoff Horizontal	33.7%	Pass
Mount Connection	55.7 %	Pass

Structure Rating – (Controlling Utilization of all Components)	55.7%
---	--------------

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





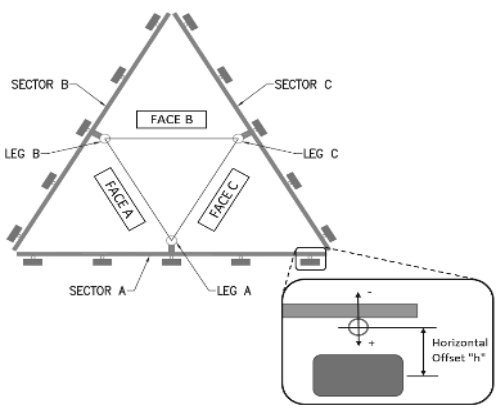
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

Tower Owner:	CROWN CASTLE	Mapping Date:	03-24-2021
Site Name:	CC: TOWN OF PLAINFIELD/SSUSA ; VZW : PLAINFIELD N 2 CT	Tower Type:	Monopole
Site Number or ID:	CC : 876401, VZW: 469332	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS DESIGN AND ENGINEERING LLC	Mount Elevation (Ft.):	125.6

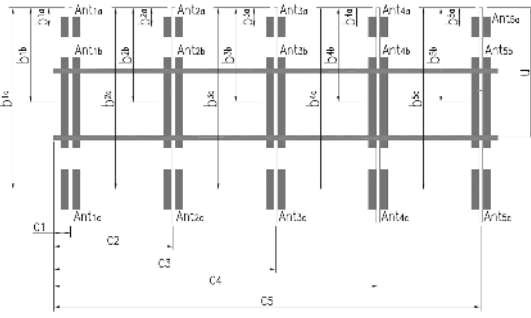
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited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

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



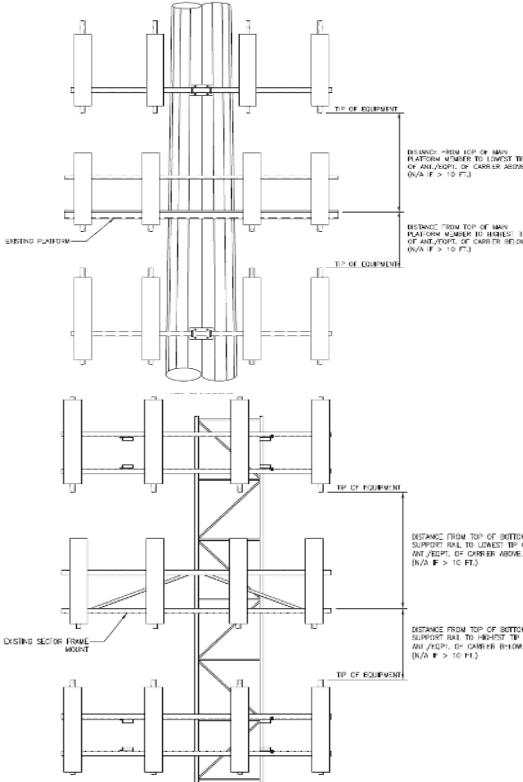
Mount Pipe Configuration and Geometries [Unit = Inches]								
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	
A1	PIPE 2.375" Ø x 0.15" x 72" LONG	61.75	4.50	C1	PIPE 2.375" Ø x 0.15" x 72" LONG	61.75	4.50	
A2	PIPE 2.375" Ø x 0.15" x 72" LONG	62.25	50.00	C2	PIPE 2.375" Ø x 0.15" x 72" LONG	62.25	50.00	
A3	PIPE 2.875" Ø x 0.18" x 72" LONG	61.75	99.00	C3	PIPE 2.875" Ø x 0.18" x 72" LONG	61.75	99.00	
A4	PIPE 2.375" Ø x 0.15" x 72" LONG	61.75	134.00	C4	PIPE 2.375" Ø x 0.15" x 72" LONG	61.75	134.00	
A5				C5				
A6				C6				
B1	PIPE 2.375" Ø x 0.15" x 72" LONG	61.75	4.50	D1				
B2	PIPE 2.375" Ø x 0.15" x 72" LONG	62.25	50.00	D2				
B3	PIPE 2.875" Ø x 0.18" x 72" LONG	61.75	99.00	D3				
B4	PIPE 2.375" Ø x 0.15" x 72" LONG	61.75	134.00	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.) :								
							9.1	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :								
							6	
Please enter additional information or comments below.								
Tower Face Width at Mount Elev. (ft.):				Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				24

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 "b1a, b2a, b3a, b1b,..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant1a	AHCA	11.60	6.50	13.30		128.996	21.00	-8.25	60.00	27,156
Ant1b	QUAD656C0000G	20.50	7.20	74.40		127.725	36.25	9.75	60.00	27,156
Ant1c										
Ant2a	B66A RRH4X45 (UHIE)	11.80	7.20	25.50		128.725	24.75	-8.75		27,156
Ant2c										
Ant3a										
Ant3b	(2)SBNHH-1D65B	11.90	7.10	72.00		127.475	39.25	11.50	60.00	27,157
Ant3c										
Ant4a	B13 RRH 4X30	11.80	7.50	20.90		129.058	20.25	-8.50		27,157
Ant4c										
Ant5a										
Ant5b										
Ant5c										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.73	10.25	25.66			51.00			156
Ant on Tower										



Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B										
Sector A:	70.00	Deg	Leg A:		Deg	Ant _{1a}	AHCA	11.60	6.50	13.30		128.996	21.00	-8.25		35,159		
Sector B:	190.00	Deg	Leg B:		Deg	Ant _{1b}	QUAD656C0000G	20.50	7.20	74.40		127.725	36.25	9.75	190.00	35,159		
Sector C:	310.00	Deg	Leg C:		Deg	Ant _{1c}												
Sector D:		Deg	Leg D:		Deg	Ant _{2a}	B66A RRH4X45 (UHIE)	11.80	7.20	25.50		128.725	24.75	-8.75		35,159		
Climbing Facility Information								Ant _{2b}										
Location:	130.00	Deg	N/A			Ant _{2c}												
Climbing Facility	Corrosion Type:	N/A				Ant _{3a}												
	Access:	Climbing path was unobstructed.				Ant _{3b}	(2)SBNHH-1D65B	11.90	7.10	72.00		127.475	39.25	11.50	190.00	35,160		
	Condition:	Good condition.				Ant _{3c}												
								Ant _{4a}	B13 RRH 4X30	11.80	7.50	20.90	129.058	20.25	-8.50		35,160	
								Ant _{4b}										
								Ant _{4c}										
								Ant _{5a}										
								Ant _{5b}										
								Ant _{5c}										
								Ant on Standoff										
								Ant on Standoff										
								Ant on Tower										
								Ant on Tower										
								Sector C										
								Ant _{1a}	AHCA	11.60	6.50	13.30	128.996	21.00	-8.25		42,162	
								Ant _{1b}	QUAD656C0000G	20.50	7.20	74.40	127.725	36.25	9.75	310.00	42,162	
								Ant _{1c}										
								Ant _{2a}	B66A RRH4X45 (UHIE)	11.80	7.20	25.50	128.725	24.75	-8.75		42,162	
								Ant _{2b}										
								Ant _{2c}										
								Ant _{3a}										
								Ant _{3b}	(2)SBNHH-1D65B	11.90	7.10	72.00	127.475	39.25	11.50	310.00	42,164	
								Ant _{3c}										
								Ant _{4a}	B13 RRH 4X30	11.80	7.50	20.90	129.058	20.25	-8.50		42,164	
								Ant _{4b}										
								Ant _{4c}										
								Ant _{5a}										
								Ant _{5b}										
								Ant _{5c}										
								Ant on Standoff										
								Ant on Standoff										
								Ant on Tower	RRFDC-3315-PF-48	15.73	10.25	25.66		56.75			163	
								Ant on Tower										
								Sector D										
								Ant _{1a}										
								Ant _{1b}										
								Ant _{1c}										
								Ant _{2a}										
								Ant _{2b}										
								Ant _{2c}										
								Ant _{3a}										
								Ant _{3b}										
								Ant _{3c}										
								Ant _{4a}										
								Ant _{4b}										
								Ant _{4c}										
								Ant _{5a}										
								Ant _{5b}										
								Ant _{5c}										
								Ant on Standoff										
								Ant on Standoff										
								Ant on Tower										
								Ant on Tower										



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	COAX TOTAL (2) 1.5"Ø HYBRID	46
2		
3		
4		
5		
6		
7		
8		

Mapping Notes

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

Standard Conditions

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



Antenna Mount Mapping Form (PATENT PENDING)

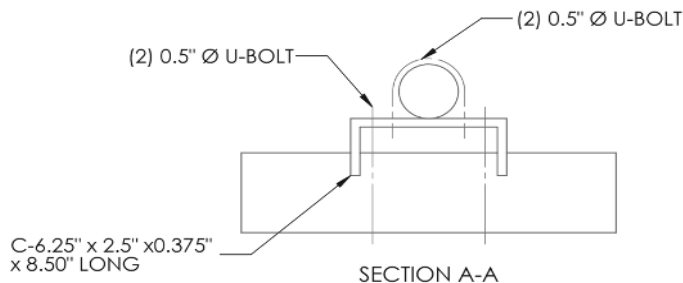
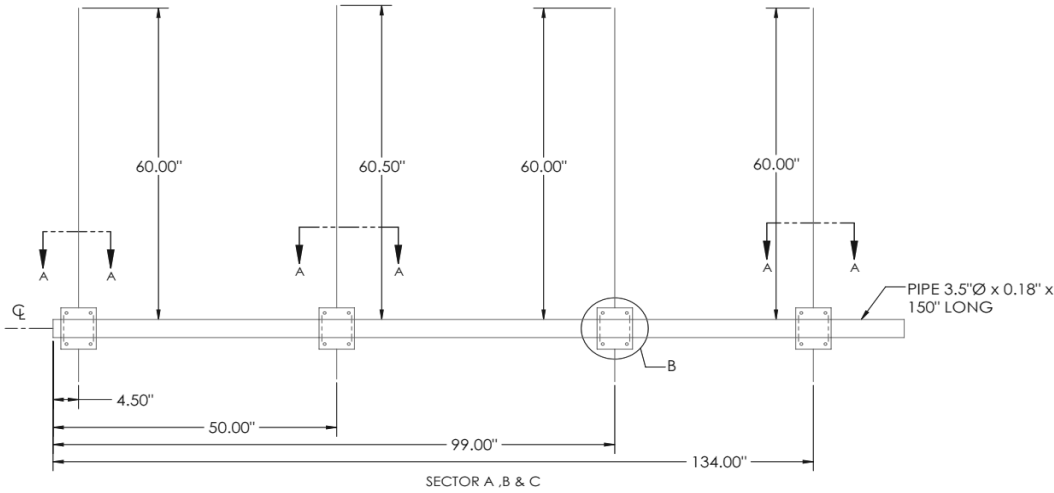
V3.0 Updated on 8-31-2020

FCC #
UNKNOWN

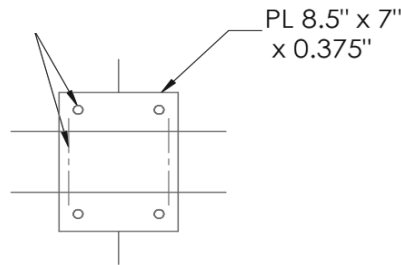
Tower Owner:	CROWN CASTLE	Mapping Date:	03-24-2021
Site Name:	CC: TOWN OF PLAINFIELD/SSUSA; VZW: PLAINFIELD N 2 CT	Tower Type:	Monopole
Site Number or ID:	CC: 876401, VZW: 469332	Tower Height (FL):	UNKNOWN
Mapping Contractor:	RKS DESIGN AND ENGINEERING LLC	Mount Elevation (FL):	125.6

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

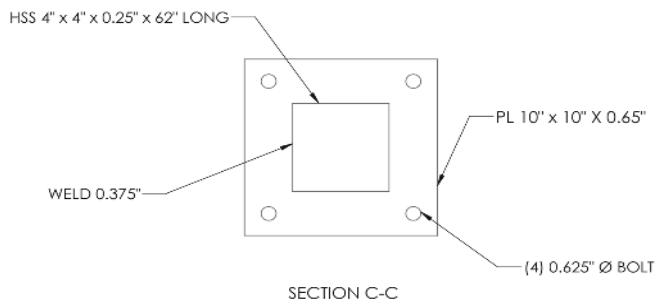
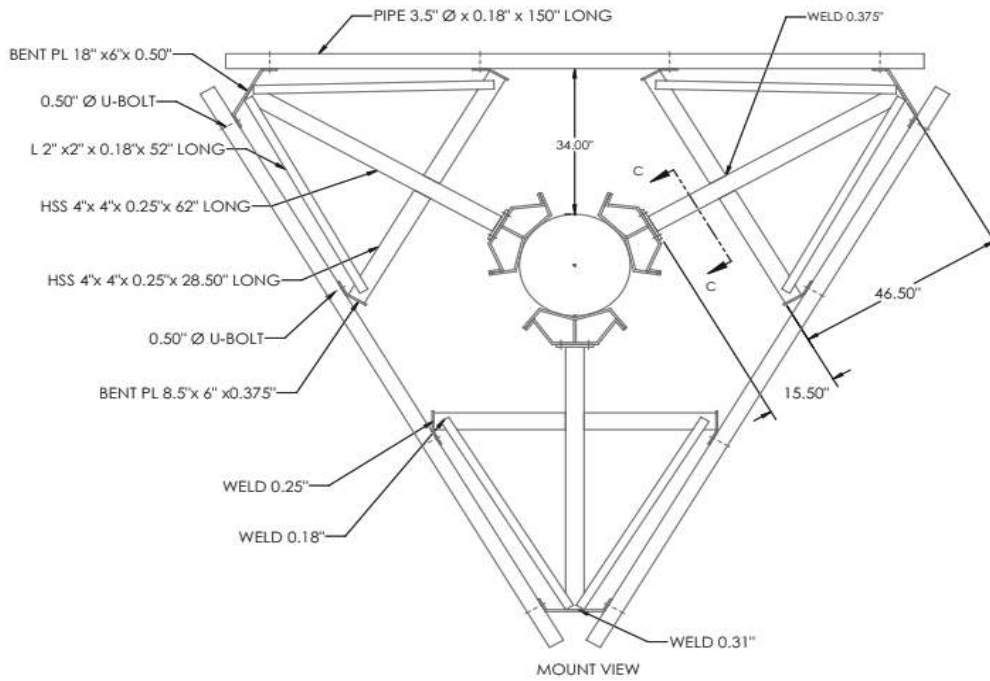
Please Insert Sketches of the Antenna Mount

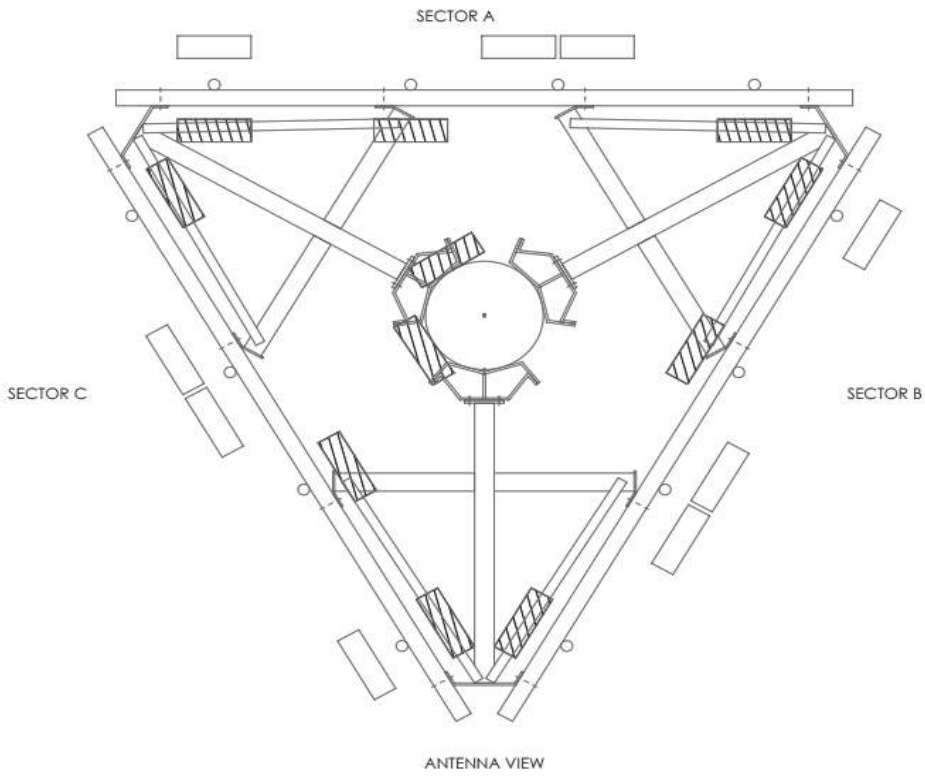


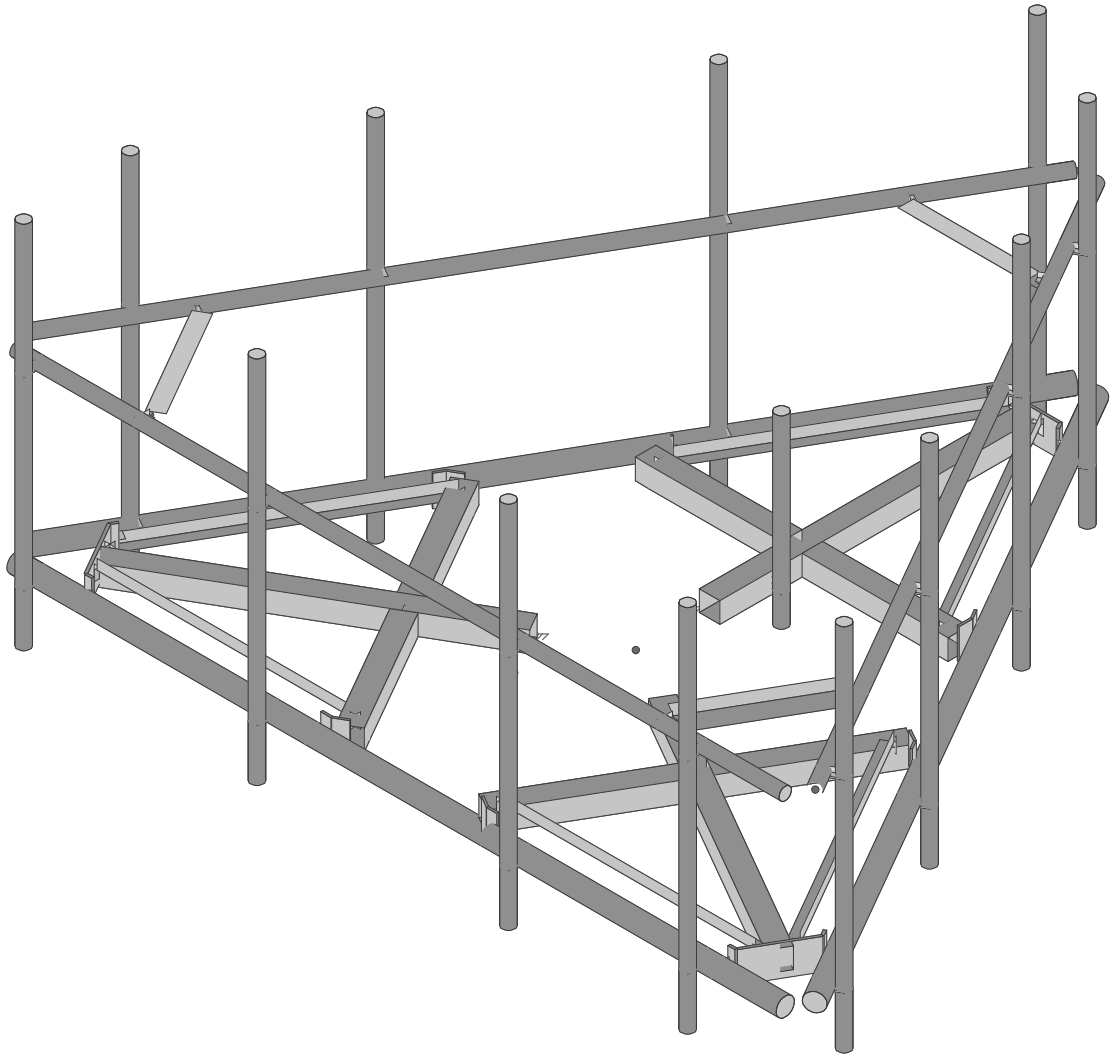
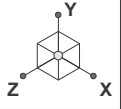
U-BOLT



DETAIL B







Envelope Only Solution

Maser Consulting

NL

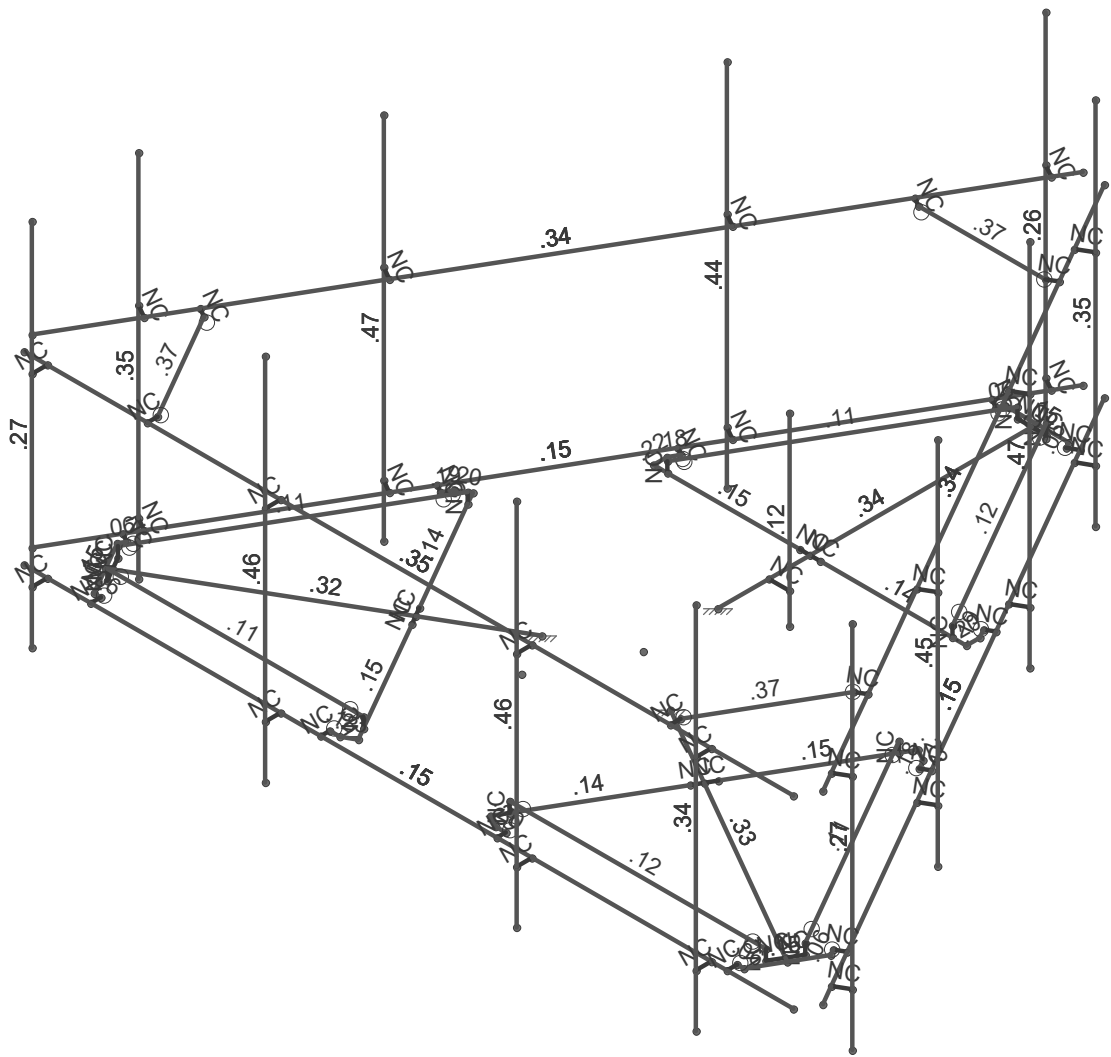
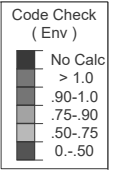
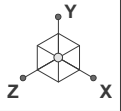
21777343A

Mount Fix

SK - 1

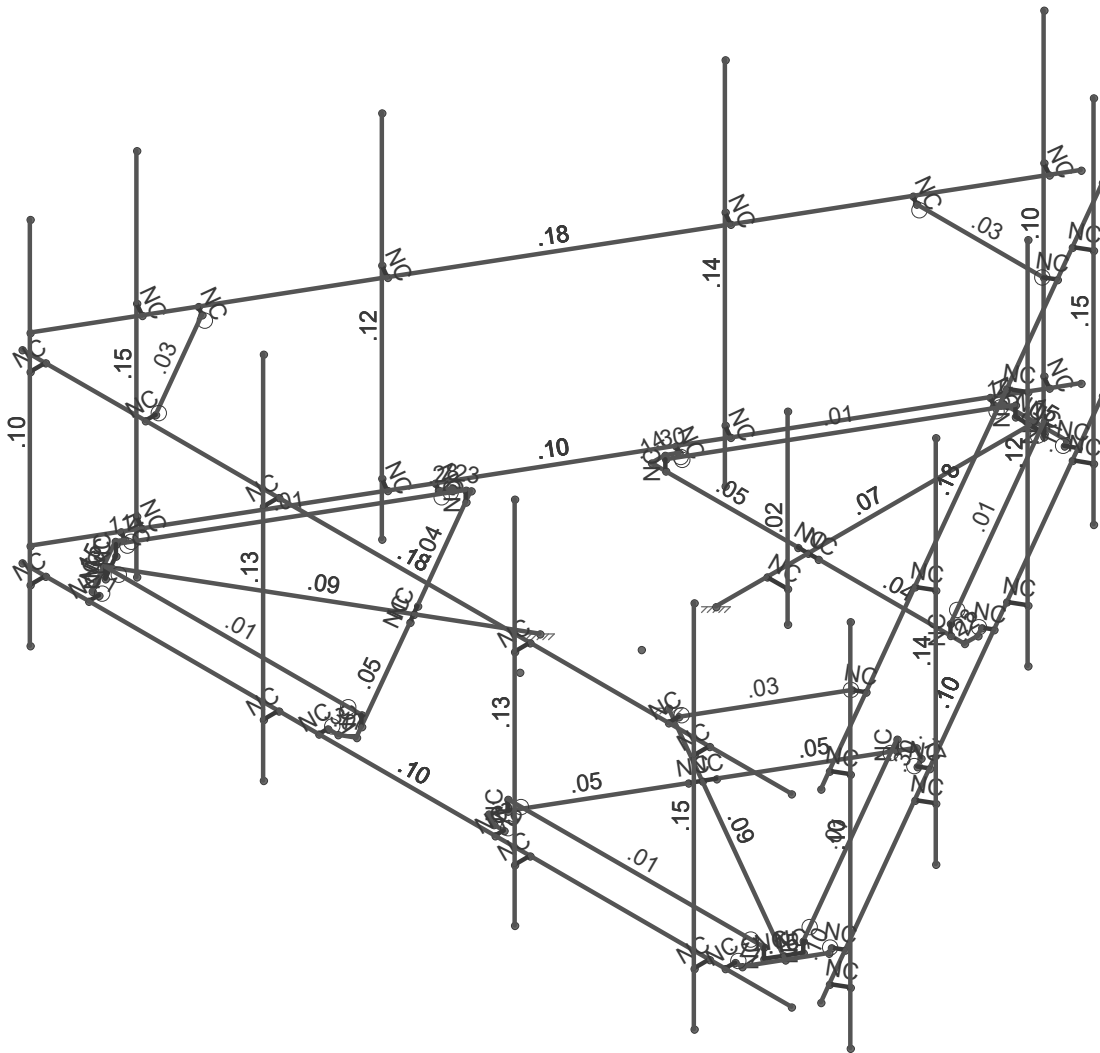
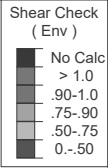
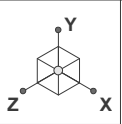
Sept 13, 2021 at 12:57 PM

469332-VZW_MT_LO_H - MOD lo...



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 2
NL		Sept 13, 2021 at 12:57 PM
21777343A		469332-VZW_MT_LO_H - MOD lo...



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 3
NL		Sept 13, 2021 at 12:58 PM
21777343A		469332-VZW_MT_LO_H - MOD lo...

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M..Surfac...
1	Antenna D	None					84		
2	Antenna Di	None					84		
3	Antenna Wo (0 Deg)	None					84		
4	Antenna Wo (30 Deg)	None					84		
5	Antenna Wo (60 Deg)	None					84		
6	Antenna Wo (90 Deg)	None					84		
7	Antenna Wo (120 Deg)	None					84		
8	Antenna Wo (150 Deg)	None					84		
9	Antenna Wo (180 Deg)	None					84		
10	Antenna Wo (210 Deg)	None					84		
11	Antenna Wo (240 Deg)	None					84		
12	Antenna Wo (270 Deg)	None					84		
13	Antenna Wo (300 Deg)	None					84		
14	Antenna Wo (330 Deg)	None					84		
15	Antenna Wi (0 Deg)	None					84		
16	Antenna Wi (30 Deg)	None					84		
17	Antenna Wi (60 Deg)	None					84		
18	Antenna Wi (90 Deg)	None					84		
19	Antenna Wi (120 Deg)	None					84		
20	Antenna Wi (150 Deg)	None					84		
21	Antenna Wi (180 Deg)	None					84		
22	Antenna Wi (210 Deg)	None					84		
23	Antenna Wi (240 Deg)	None					84		
24	Antenna Wi (270 Deg)	None					84		
25	Antenna Wi (300 Deg)	None					84		
26	Antenna Wi (330 Deg)	None					84		
27	Antenna Wm (0 Deg)	None					84		
28	Antenna Wm (30 Deg)	None					84		
29	Antenna Wm (60 Deg)	None					84		
30	Antenna Wm (90 Deg)	None					84		
31	Antenna Wm (120 Deg)	None					84		
32	Antenna Wm (150 Deg)	None					84		
33	Antenna Wm (180 Deg)	None					84		
34	Antenna Wm (210 Deg)	None					84		
35	Antenna Wm (240 Deg)	None					84		
36	Antenna Wm (270 Deg)	None					84		
37	Antenna Wm (300 Deg)	None					84		
38	Antenna Wm (330 Deg)	None					84		
39	Structure D	None		-1					3
40	Structure Di	None						58	3
41	Structure Wo (0 Deg)	None						116	
42	Structure Wo (30 Deg)	None						116	
43	Structure Wo (60 Deg)	None						116	
44	Structure Wo (90 Deg)	None						116	
45	Structure Wo (120 Deg)	None						116	
46	Structure Wo (150 Deg)	None						116	
47	Structure Wo (180 Deg)	None						116	
48	Structure Wo (210 Deg)	None						116	
49	Structure Wo (240 Deg)	None						116	
50	Structure Wo (270 Deg)	None						116	
51	Structure Wo (300 Deg)	None						116	
52	Structure Wo (330 Deg)	None						116	
53	Structure Wi (0 Deg)	None						116	
54	Structure Wi (30 Deg)	None						116	
55	Structure Wi (60 Deg)	None						116	
56	Structure Wi (90 Deg)	None						116	

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M..Surfac...
57	Structure Wi (120 Deg)	None						116	
58	Structure Wi (150 Deg)	None						116	
59	Structure Wi (180 Deg)	None						116	
60	Structure Wi (210 Deg)	None						116	
61	Structure Wi (240 Deg)	None						116	
62	Structure Wi (270 Deg)	None						116	
63	Structure Wi (300 Deg)	None						116	
64	Structure Wi (330 Deg)	None						116	
65	Structure Wm (0 Deg)	None						116	
66	Structure Wm (30 Deg)	None						116	
67	Structure Wm (60 Deg)	None						116	
68	Structure Wm (90 Deg)	None						116	
69	Structure Wm (120 Deg)	None						116	
70	Structure Wm (150 Deg)	None						116	
71	Structure Wm (180 Deg)	None						116	
72	Structure Wm (210 Deg)	None						116	
73	Structure Wm (240 Deg)	None						116	
74	Structure Wm (270 Deg)	None						116	
75	Structure Wm (300 Deg)	None						116	
76	Structure Wm (330 Deg)	None						116	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	BLC 39 Transient Area Loads	None						30	
82	BLC 40 Transient Area Loads	None						30	

Load Combinations

	Description	Solve P...	S...	B...	Fa...	B...	Fa...	BLC Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1											
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1											
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1											
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1											
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1											
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1											
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1											
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1											
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1											
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1											
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1											
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1											
13	1.2D + 1.0Di + 1.0Wi (0 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1							
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1							
15	1.2D + 1.0Di + 1.0Wi (6...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1							
16	1.2D + 1.0Di + 1.0Wi (9...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1							
17	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1							
18	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1							
19	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1							
20	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1							
21	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1							
22	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1							
23	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1							
24	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1							
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1									
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1									

Load Combinations (Continued)

	Description	Solve P...	S...	B...	Fa...	B...	Fa...	BLC Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1								
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1								
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1								
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1								
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1								
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1								
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1								
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1								
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1								
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1								
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1								
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1								
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1								
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1								
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1								
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1								
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1								
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1								
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1								
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1								
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1								
48	1.2D + 1.5Lm2 + 1.0W...	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 + 1.0Eh (0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1								
54	1.2D + 1.0Ev + 1.0Eh (3...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866								
55	1.2D + 1.0Ev + 1.0Eh (6...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5								
56	1.2D + 1.0Ev + 1.0Eh (9...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ									
57	1.2D + 1.0Ev + 1.0Eh (1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5								
58	1.2D + 1.0Ev + 1.0Eh (1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866								
59	1.2D + 1.0Ev + 1.0Eh (1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1								
60	1.2D + 1.0Ev + 1.0Eh (2...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866								
61	1.2D + 1.0Ev + 1.0Eh (2...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5								
62	1.2D + 1.0Ev + 1.0Eh (2...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ									
63	1.2D + 1.0Ev + 1.0Eh (3...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5								
64	1.2D + 1.0Ev + 1.0Eh (3...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866								

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	4.916667	0	3.810523	0	
8	N9	4.916667	0	4.060523	0	
9	N10	-5.875	0	3.810523	0	
10	N11	-5.875	0	4.060523	0	
11	N12	2	0	3.810523	0	
12	N13	2	0	4.060523	0	
13	N14	-2.083333	0	3.810523	0	
14	N15	-2.083333	0	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N16	-2.083333	-0.854167	4.060523	0	
16	N17	-2.083333	5.145833	4.060523	0	
17	N18	-5.875	-0.854167	4.060523	0	
18	N19	-5.875	5.145833	4.060523	0	
19	N20	2	-0.854167	4.060523	0	
20	N21	2	5.145833	4.060523	0	
21	N22	4.916667	-0.854167	4.060523	0	
22	N23	4.916667	5.145833	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N87D	-1.046447	0	0.604167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N111	-5.583904	0.166667	2.953394	0	
73	N112	-5.583904	0	2.953394	0	
74	N113	-5.349667	0.166667	3.359106	0	
75	N114	-5.349667	0	3.359106	0	
76	N115	1.046447	0	0.604167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.349667	0.166667	3.359106	0	
101	N140	5.349667	0	3.359106	0	
102	N141	5.583904	0.166667	2.953394	0	
103	N142	5.583904	0	2.953394	0	
104	N104B	0.17501	0	-7.31792	0	
105	N105B	6.42501	0	3.507397	0	
106	N124A	-6.42501	0	3.507397	0	
107	N125A	-0.17501	0	-7.31792	0	
108	N142A	2.083333	2.75	4.060523	0	
109	N110A	0.841677	0	-6.16322	0	
110	N111A	1.058183	0	-6.28822	0	
111	N112A	6.23751	0	3.182638	0	
112	N113A	6.454016	0	3.057638	0	
113	N114A	2.30001	0	-3.637312	0	
114	N115A	2.516516	0	-3.762312	0	
115	N116A	4.341677	0	-0.101042	0	
116	N117A	4.558183	0	-0.226042	0	
117	N118A	4.558183	-0.854167	-0.226042	0	
118	N119A	4.558183	5.145833	-0.226042	0	
119	N120A	6.454016	-0.854167	3.057638	0	
120	N121A	6.454016	5.145833	3.057638	0	
121	N122A	2.516516	-0.854167	-3.762312	0	
122	N123A	2.516516	5.145833	-3.762312	0	
123	N124B	1.058183	-0.854167	-6.28822	0	
124	N125B	1.058183	5.145833	-6.28822	0	
125	N127A	-5.758343	0	2.352697	0	
126	N128A	-5.97485	0	2.227697	0	
127	N129A	-0.36251	0	-6.993161	0	
128	N130A	-0.579016	0	-7.118161	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131B	-4.30001	0	-0.173211	0	
130	N132A	-4.516516	0	-0.298211	0	
131	N133A	-2.258343	0	-3.709481	0	
132	N134A	-2.47485	0	-3.834481	0	
133	N135B	-2.47485	-0.854167	-3.834481	0	
134	N136A	-2.47485	5.145833	-3.834481	0	
135	N137A	-0.579016	-0.854167	-7.118161	0	
136	N138A	-0.579016	5.145833	-7.118161	0	
137	N139A	-4.516516	-0.854167	-0.298211	0	
138	N140A	-4.516516	5.145833	-0.298211	0	
139	N141A	-5.97485	-0.854167	2.227697	0	
140	N142B	-5.97485	5.145833	2.227697	0	
141	N142C	0	0	-2.041667	0	
142	N143	0.333333	0	-2.041667	0	
143	N144A	0.333333	2.5	-2.041667	0	
144	N145	0.333333	-5	-2.041667	0	
145	N145A	6.25	3	3.810523	0	
146	N146	-6.25	3	3.810523	0	
147	N147	4.25	3	3.810523	0	
148	N148A	-4.25	3	3.810523	0	
149	N149	4.25	3	3.643857	0	
150	N150	-4.25	3	3.643857	0	
151	N152	0.17501	3	-7.31792	0	
152	N153	6.42501	3	3.507397	0	
153	N159	-6.42501	3	3.507397	0	
154	N160	-0.17501	3	-7.31792	0	
155	N163A	4.916667	3	3.810523	0	
156	N164A	4.916667	3	4.060523	0	
157	N165	-5.875	3	3.810523	0	
158	N166	-5.875	3	4.060523	0	
159	N167	2	3	3.810523	0	
160	N168	2	3	4.060523	0	
161	N169	-2.083333	3	3.810523	0	
162	N170	-2.083333	3	4.060523	0	
163	N172	0.841677	3	-6.16322	0	
164	N173	1.058183	3	-6.28822	0	
165	N174	6.23751	3	3.182638	0	
166	N175	6.454016	3	3.057638	0	
167	N176	2.30001	3	-3.637312	0	
168	N177	2.516516	3	-3.762312	0	
169	N178	4.341677	3	-0.101042	0	
170	N179	4.558183	3	-0.226042	0	
171	N181	-5.758343	3	2.352697	0	
172	N182	-5.97485	3	2.227697	0	
173	N183	-0.36251	3	-6.993161	0	
174	N184	-0.579016	3	-7.118161	0	
175	N185	-4.30001	3	-0.173211	0	
176	N186	-4.516516	3	-0.298211	0	
177	N187	-2.258343	3	-3.709481	0	
178	N188	-2.47485	3	-3.834481	0	
179	N180	1.17501	3	-5.58587	0	
180	N181A	5.42501	3	1.775346	0	
181	N182A	1.030672	3	-5.502536	0	
182	N183A	5.280672	3	1.85868	0	
183	N185A	-5.42501	3	1.775346	0	
184	N186A	-1.17501	3	-5.58587	0	
185	N187A	-5.280672	3	1.85868	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N188A	-1.030672	3	-5.502536	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	MOD Support Rail	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossme...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
7	MOD Support Cor...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Dual Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	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	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	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
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
35	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
37	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M56	N90	N94			RIGID	None	None	RIGID	Typical
39	M57	N89	N93			RIGID	None	None	RIGID	Typical
40	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M60	N113	N114			RIGID	None	None	RIGID	Typical
43	M61	N96	N91			RIGID	None	None	RIGID	Typical
44	M62	N91	N97			RIGID	None	None	RIGID	Typical
45	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M65	N100	N104			RIGID	None	None	RIGID	Typical
48	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M67	N101A	N108			RIGID	None	None	RIGID	Typical
50	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
53	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M72	N103	N109			RIGID	None	None	RIGID	Typical
55	M73	N114	N110			RIGID	None	None	RIGID	Typical
56	M74	N110	N112			RIGID	None	None	RIGID	Typical
57	M75	N111	N112			RIGID	None	None	RIGID	Typical
58	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
59	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
60	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
61	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M80A	N118	N122			RIGID	None	None	RIGID	Typical
63	M81	N117	N121			RIGID	None	None	RIGID	Typical
64	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M84A	N141	N142			RIGID	None	None	RIGID	Typical
67	M85A	N124	N119			RIGID	None	None	RIGID	Typical
68	M86	N119	N125			RIGID	None	None	RIGID	Typical
69	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M89	N128	N132			RIGID	None	None	RIGID	Typical
72	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M91A	N129	N136			RIGID	None	None	RIGID	Typical
74	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M94	N130	N133			RIGID	None	None	RIGID	Typical
77	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
78	M96	N131A	N137			RIGID	None	None	RIGID	Typical
79	M97	N142	N138			RIGID	None	None	RIGID	Typical
80	M98	N138	N140			RIGID	None	None	RIGID	Typical
81	M99	N139	N140			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
82	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
84	M84B	N110A	N111A			RIGID	None	None	RIGID	Typical
85	M85B	N112A	N113A			RIGID	None	None	RIGID	Typical
86	M86A	N114A	N115A			RIGID	None	None	RIGID	Typical
87	M87A	N116A	N117A			RIGID	None	None	RIGID	Typical
88	MP3C	N119A	N118A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP4C	N121A	N120A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP2C	N123A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1C	N125B	N124B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92B	N127A	N128A			RIGID	None	None	RIGID	Typical
93	M93A	N129A	N130A			RIGID	None	None	RIGID	Typical
94	M94A	N131B	N132A			RIGID	None	None	RIGID	Typical
95	M95A	N133A	N134A			RIGID	None	None	RIGID	Typical
96	MP3B	N136A	N135B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP4B	N138A	N137A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP2B	N140A	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP1B	N142B	N141A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N142C	N143			RIGID	None	None	RIGID	Typical
101	OVP	N144A	N145			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N145A	N146			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
103	M103	N147	N149			RIGID	None	None	RIGID	Typical
104	M104	N148A	N150			RIGID	None	None	RIGID	Typical
105	M105	N152	N153			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
106	M108	N159	N160			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
107	M114	N163A	N164A			RIGID	None	None	RIGID	Typical
108	M115	N165	N166			RIGID	None	None	RIGID	Typical
109	M116	N167	N168			RIGID	None	None	RIGID	Typical
110	M117	N169	N170			RIGID	None	None	RIGID	Typical
111	M118	N172	N173			RIGID	None	None	RIGID	Typical
112	M119	N174	N175			RIGID	None	None	RIGID	Typical
113	M120	N176	N177			RIGID	None	None	RIGID	Typical
114	M121	N178	N179			RIGID	None	None	RIGID	Typical
115	M122	N181	N182			RIGID	None	None	RIGID	Typical
116	M123	N183	N184			RIGID	None	None	RIGID	Typical
117	M124	N185	N186			RIGID	None	None	RIGID	Typical
118	M125	N187	N188			RIGID	None	None	RIGID	Typical
119	M119A	N180	N182A			RIGID	None	None	RIGID	Typical
120	M120A	N181A	N183A			RIGID	None	None	RIGID	Typical
121	M121A	N185A	N187A			RIGID	None	None	RIGID	Typical
122	M122A	N186A	N188A			RIGID	None	None	RIGID	Typical
123	M123A	N183A	N149		90	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
124	M124A	N150	N187A		90	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
125	M125A	N188A	N182A		90	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic...
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M52A						Yes				None
35	M53						Yes	Default			None
36	M54						Yes	Default			None
37	M55						Yes	Default			None
38	M56						Yes	** NA **			None
39	M57						Yes	** NA **			None
40	M58A	OOOOOX	OOOOOX				Yes	Default			None
41	M59A	OOOOOX	OOOOOX				Yes	Default			None
42	M60						Yes	** NA **			None
43	M61						Yes	** NA **			None
44	M62						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64						Yes	** NA **			None
47	M65		BenPIN				Yes	** NA **			None
48	M66						Yes				None
49	M67		BenPIN				Yes	** NA **			None
50	M68						Yes	** NA **			None
51	M69						Yes	** NA **			None
52	M70		BenPIN				Yes	** NA **			None
53	M71						Yes				None
54	M72		BenPIN				Yes	** NA **			None
55	M73						Yes	** NA **			None
56	M74						Yes	** NA **			None
57	M75						Yes	** NA **			None
58	M76A						Yes				None
59	M77A						Yes	Default			None
60	M78						Yes	Default			None
61	M79A						Yes	Default			None
62	M80A						Yes	** NA **			None
63	M81						Yes	** NA **			None
64	M82	OOOOOX	OOOOOX				Yes	Default			None
65	M83A	OOOOOX	OOOOOX				Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
66	M84A						Yes	** NA **			None
67	M85A						Yes	** NA **			None
68	M86						Yes	** NA **			None
69	M87						Yes	** NA **			None
70	M88A						Yes	** NA **			None
71	M89		BenPIN				Yes	** NA **			None
72	M90						Yes				None
73	M91A		BenPIN				Yes	** NA **			None
74	M92A						Yes	** NA **			None
75	M93						Yes	** NA **			None
76	M94		BenPIN				Yes	** NA **			None
77	M95						Yes				None
78	M96		BenPIN				Yes	** NA **			None
79	M97						Yes	** NA **			None
80	M98						Yes	** NA **			None
81	M99						Yes	** NA **			None
82	M82A						Yes	Default			None
83	M91B						Yes	Default			None
84	M84B						Yes	** NA **			None
85	M85B						Yes	** NA **			None
86	M86A						Yes	** NA **			None
87	M87A						Yes	** NA **			None
88	MP3C						Yes	** NA **			None
89	MP4C						Yes	** NA **			None
90	MP2C						Yes	** NA **			None
91	MP1C						Yes	** NA **			None
92	M92B						Yes	** NA **			None
93	M93A						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	MP3B						Yes	** NA **			None
97	MP4B						Yes	** NA **			None
98	MP2B						Yes	** NA **			None
99	MP1B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	OVP						Yes	** NA **			None
102	M102						Yes	Default			None
103	M103	OOOOOX					Yes	** NA **			None
104	M104	OOOOOX					Yes	** NA **			None
105	M105						Yes	Default			None
106	M108						Yes	Default			None
107	M114						Yes	** NA **			None
108	M115						Yes	** NA **			None
109	M116						Yes	** NA **			None
110	M117						Yes	** NA **			None
111	M118						Yes	** NA **			None
112	M119						Yes	** NA **			None
113	M120						Yes	** NA **			None
114	M121						Yes	** NA **			None
115	M122						Yes	** NA **			None
116	M123						Yes	** NA **			None
117	M124						Yes	** NA **			None
118	M125						Yes	** NA **			None
119	M119A	OOOOOX					Yes	** NA **			None
120	M120A	OOOOOX					Yes	** NA **			None
121	M121A	OOOOOX					Yes	** NA **			None
122	M122A	OOOOOX					Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
123	M123A						Yes				None
124	M124A						Yes				None
125	M125A						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Y	-31.65	.5
2	MP3A	My	-.016	.5
3	MP3A	Mz	.021	.5
4	MP3A	Y	-31.65	5.5
5	MP3A	My	-.016	5.5
6	MP3A	Mz	.021	5.5
7	MP3B	Y	-31.65	.5
8	MP3B	My	-.006	.5
9	MP3B	Mz	-.026	.5
10	MP3B	Y	-31.65	5.5
11	MP3B	My	-.006	5.5
12	MP3B	Mz	-.026	5.5
13	MP3C	Y	-31.65	.5
14	MP3C	My	.025	.5
15	MP3C	Mz	.008	.5
16	MP3C	Y	-31.65	5.5
17	MP3C	My	.025	5.5
18	MP3C	Mz	.008	5.5
19	MP3A	Y	-31.65	.5
20	MP3A	My	-.016	.5
21	MP3A	Mz	-.021	.5
22	MP3A	Y	-31.65	5.5
23	MP3A	My	-.016	5.5
24	MP3A	Mz	-.021	5.5
25	MP3B	Y	-31.65	.5
26	MP3B	My	.026	.5
27	MP3B	Mz	.001	.5
28	MP3B	Y	-31.65	5.5
29	MP3B	My	.026	5.5
30	MP3B	Mz	.001	5.5
31	MP3C	Y	-31.65	.5
32	MP3C	My	-.014	.5
33	MP3C	Mz	.022	.5
34	MP3C	Y	-31.65	5.5
35	MP3C	My	-.014	5.5
36	MP3C	Mz	.022	5.5
37	MP1A	Y	-43.55	2
38	MP1A	My	-.022	2
39	MP1A	Mz	0	2
40	MP1A	Y	-43.55	4
41	MP1A	My	-.022	4
42	MP1A	Mz	0	4
43	MP1B	Y	-43.55	2
44	MP1B	My	.014	2
45	MP1B	Mz	-.017	2
46	MP1B	Y	-43.55	4
47	MP1B	My	.014	4
48	MP1B	Mz	-.017	4
49	MP1C	Y	-43.55	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP1C	My	.007	2
51	MP1C	Mz	.02	2
52	MP1C	Y	-43.55	4
53	MP1C	My	.007	4
54	MP1C	Mz	.02	4
55	OVP	Y	-32	1
56	OVP	My	0	1
57	OVP	Mz	0	1
58	MP3A	Y	-74.7	3.5
59	MP3A	My	.037	3.5
60	MP3A	Mz	0	3.5
61	MP3B	Y	-74.7	3.5
62	MP3B	My	-.024	3.5
63	MP3B	Mz	.029	3.5
64	MP3C	Y	-74.7	3.5
65	MP3C	My	-.013	3.5
66	MP3C	Mz	-.035	3.5
67	MP2A	Y	-70.3	3.5
68	MP2A	My	.035	3.5
69	MP2A	Mz	0	3.5
70	MP2B	Y	-70.3	3.5
71	MP2B	My	-.023	3.5
72	MP2B	Mz	.027	3.5
73	MP2C	Y	-70.3	3.5
74	MP2C	My	-.012	3.5
75	MP2C	Mz	-.033	3.5
76	MP3A	Y	-10.4	1
77	MP3A	My	.003	1
78	MP3A	Mz	0	1
79	MP3B	Y	-10.4	1
80	MP3B	My	-.002	1
81	MP3B	Mz	.003	1
82	MP3C	Y	-10.4	1
83	MP3C	My	-.001	1
84	MP3C	Mz	-.003	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-69.213	.5
2	MP3A	My	-.035	.5
3	MP3A	Mz	.046	.5
4	MP3A	Y	-69.213	5.5
5	MP3A	My	-.035	5.5
6	MP3A	Mz	.046	5.5
7	MP3B	Y	-69.213	.5
8	MP3B	My	-.013	.5
9	MP3B	Mz	-.056	.5
10	MP3B	Y	-69.213	5.5
11	MP3B	My	-.013	5.5
12	MP3B	Mz	-.056	5.5
13	MP3C	Y	-69.213	.5
14	MP3C	My	.055	.5
15	MP3C	Mz	.017	.5
16	MP3C	Y	-69.213	5.5
17	MP3C	My	.055	5.5
18	MP3C	Mz	.017	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP3A	Y	-69.213	.5
20	MP3A	My	-.035	.5
21	MP3A	Mz	-.046	.5
22	MP3A	Y	-69.213	5.5
23	MP3A	My	-.035	5.5
24	MP3A	Mz	-.046	5.5
25	MP3B	Y	-69.213	.5
26	MP3B	My	.058	.5
27	MP3B	Mz	.003	.5
28	MP3B	Y	-69.213	5.5
29	MP3B	My	.058	5.5
30	MP3B	Mz	.003	5.5
31	MP3C	Y	-69.213	.5
32	MP3C	My	-.032	.5
33	MP3C	Mz	.048	.5
34	MP3C	Y	-69.213	5.5
35	MP3C	My	-.032	5.5
36	MP3C	Mz	.048	5.5
37	MP1A	Y	-35.233	2
38	MP1A	My	-.018	2
39	MP1A	Mz	0	2
40	MP1A	Y	-35.233	4
41	MP1A	My	-.018	4
42	MP1A	Mz	0	4
43	MP1B	Y	-35.233	2
44	MP1B	My	.011	2
45	MP1B	Mz	-.013	2
46	MP1B	Y	-35.233	4
47	MP1B	My	.011	4
48	MP1B	Mz	-.013	4
49	MP1C	Y	-35.233	2
50	MP1C	My	.006	2
51	MP1C	Mz	.017	2
52	MP1C	Y	-35.233	4
53	MP1C	My	.006	4
54	MP1C	Mz	.017	4
55	OVP	Y	-86.989	1
56	OVP	My	0	1
57	OVP	Mz	0	1
58	MP3A	Y	-44.413	3.5
59	MP3A	My	.022	3.5
60	MP3A	Mz	0	3.5
61	MP3B	Y	-44.413	3.5
62	MP3B	My	-.014	3.5
63	MP3B	Mz	.017	3.5
64	MP3C	Y	-44.413	3.5
65	MP3C	My	-.008	3.5
66	MP3C	Mz	-.021	3.5
67	MP2A	Y	-42.293	3.5
68	MP2A	My	.021	3.5
69	MP2A	Mz	0	3.5
70	MP2B	Y	-42.293	3.5
71	MP2B	My	-.014	3.5
72	MP2B	Mz	.016	3.5
73	MP2C	Y	-42.293	3.5
74	MP2C	My	-.007	3.5
75	MP2C	Mz	-.02	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP3A	Y	-10.61	1
77	MP3A	My	.004	1
78	MP3A	Mz	0	1
79	MP3B	Y	-10.61	1
80	MP3B	My	-.002	1
81	MP3B	Mz	.003	1
82	MP3C	Y	-10.61	1
83	MP3C	My	-.001	1
84	MP3C	Mz	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	-157.797	.5
3	MP3A	Mx	-.105	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-157.797	5.5
6	MP3A	Mx	-.105	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-126.016	.5
9	MP3B	Mx	.102	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-126.016	5.5
12	MP3B	Mx	.102	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-109.974	.5
15	MP3C	Mx	-.027	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-109.974	5.5
18	MP3C	Mx	-.027	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-157.797	.5
21	MP3A	Mx	.105	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-157.797	5.5
24	MP3A	Mx	.105	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-126.016	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-126.016	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-109.974	.5
33	MP3C	Mx	-.077	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-109.974	5.5
36	MP3C	Mx	-.077	5.5
37	MP1A	X	0	2
38	MP1A	Z	-81.41	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	-81.41	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	-52.34	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
45	MP1B	Mx	.02	2
46	MP1B	X	0	4
47	MP1B	Z	-52.34	4
48	MP1B	Mx	.02	4
49	MP1C	X	0	2
50	MP1C	Z	-37.667	2
51	MP1C	Mx	-.018	2
52	MP1C	X	0	4
53	MP1C	Z	-37.667	4
54	MP1C	Mx	-.018	4
55	OVP	X	0	1
56	OVP	Z	-121.082	1
57	OVP	Mx	0	1
58	MP3A	X	0	3.5
59	MP3A	Z	-64.782	3.5
60	MP3A	Mx	0	3.5
61	MP3B	X	0	3.5
62	MP3B	Z	-52.178	3.5
63	MP3B	Mx	-.02	3.5
64	MP3C	X	0	3.5
65	MP3C	Z	-45.816	3.5
66	MP3C	Mx	.022	3.5
67	MP2A	X	0	3.5
68	MP2A	Z	-64.782	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	-49.891	3.5
72	MP2B	Mx	-.019	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	-42.374	3.5
75	MP2C	Mx	.02	3.5
76	MP3A	X	0	1
77	MP3A	Z	-12.818	1
78	MP3A	Mx	0	1
79	MP3B	X	0	1
80	MP3B	Z	-10.5	1
81	MP3B	Mx	-.003	1
82	MP3C	X	0	1
83	MP3C	Z	-9.33	1
84	MP3C	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	72.129	.5
2	MP3A	Z	-124.931	.5
3	MP3A	Mx	-.119	.5
4	MP3A	X	72.129	5.5
5	MP3A	Z	-124.931	5.5
6	MP3A	Mx	-.119	5.5
7	MP3B	X	52.636	.5
8	MP3B	Z	-91.168	.5
9	MP3B	Mx	.064	.5
10	MP3B	X	52.636	5.5
11	MP3B	Z	-91.168	5.5
12	MP3B	Mx	.064	5.5
13	MP3C	X	67.71	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
14	MP3C	Z	-117.277	.5
15	MP3C	Mx	.026	.5
16	MP3C	X	67.71	5.5
17	MP3C	Z	-117.277	5.5
18	MP3C	Mx	.026	5.5
19	MP3A	X	72.129	.5
20	MP3A	Z	-124.931	.5
21	MP3A	Mx	.047	.5
22	MP3A	X	72.129	5.5
23	MP3A	Z	-124.931	5.5
24	MP3A	Mx	.047	5.5
25	MP3B	X	52.636	.5
26	MP3B	Z	-91.168	.5
27	MP3B	Mx	.04	.5
28	MP3B	X	52.636	5.5
29	MP3B	Z	-91.168	5.5
30	MP3B	Mx	.04	5.5
31	MP3C	X	67.71	.5
32	MP3C	Z	-117.277	.5
33	MP3C	Mx	-.113	.5
34	MP3C	X	67.71	5.5
35	MP3C	Z	-117.277	5.5
36	MP3C	Mx	-.113	5.5
37	MP1A	X	34.513	2
38	MP1A	Z	-59.778	2
39	MP1A	Mx	-.017	2
40	MP1A	X	34.513	4
41	MP1A	Z	-59.778	4
42	MP1A	Mx	-.017	4
43	MP1B	X	16.683	2
44	MP1B	Z	-28.896	2
45	MP1B	Mx	.016	2
46	MP1B	X	16.683	4
47	MP1B	Z	-28.896	4
48	MP1B	Mx	.016	4
49	MP1C	X	30.471	2
50	MP1C	Z	-52.777	2
51	MP1C	Mx	-.02	2
52	MP1C	X	30.471	4
53	MP1C	Z	-52.777	4
54	MP1C	Mx	-.02	4
55	OVP	X	54.155	1
56	OVP	Z	-93.8	1
57	OVP	Mx	0	1
58	MP3A	X	29.706	3.5
59	MP3A	Z	-51.452	3.5
60	MP3A	Mx	.015	3.5
61	MP3B	X	21.975	3.5
62	MP3B	Z	-38.063	3.5
63	MP3B	Mx	-.022	3.5
64	MP3C	X	27.954	3.5
65	MP3C	Z	-48.417	3.5
66	MP3C	Mx	.018	3.5
67	MP2A	X	29.219	3.5
68	MP2A	Z	-50.609	3.5
69	MP2A	Mx	.015	3.5
70	MP2B	X	20.086	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP2B	Z	-34.789	3.5
72	MP2B	Mx	-.02	3.5
73	MP2C	X	27.149	3.5
74	MP2C	Z	-47.023	3.5
75	MP2C	Mx	.017	3.5
76	MP3A	X	5.915	1
77	MP3A	Z	-10.245	1
78	MP3A	Mx	.002	1
79	MP3B	X	4.494	1
80	MP3B	Z	-7.783	1
81	MP3B	Mx	-.003	1
82	MP3C	X	5.593	1
83	MP3C	Z	-9.687	1
84	MP3C	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	101.48	.5
2	MP3A	Z	-58.589	.5
3	MP3A	Mx	-.09	.5
4	MP3A	X	101.48	5.5
5	MP3A	Z	-58.589	5.5
6	MP3A	Mx	-.09	5.5
7	MP3B	X	95.241	.5
8	MP3B	Z	-54.987	.5
9	MP3B	Mx	.027	.5
10	MP3B	X	95.241	5.5
11	MP3B	Z	-54.987	5.5
12	MP3B	Mx	.027	5.5
13	MP3C	X	135.242	.5
14	MP3C	Z	-78.082	.5
15	MP3C	Mx	.089	.5
16	MP3C	X	135.242	5.5
17	MP3C	Z	-78.082	5.5
18	MP3C	Mx	.089	5.5
19	MP3A	X	101.48	.5
20	MP3A	Z	-58.589	.5
21	MP3A	Mx	-.012	.5
22	MP3A	X	101.48	5.5
23	MP3A	Z	-58.589	5.5
24	MP3A	Mx	-.012	5.5
25	MP3B	X	95.241	.5
26	MP3B	Z	-54.987	.5
27	MP3B	Mx	.077	.5
28	MP3B	X	95.241	5.5
29	MP3B	Z	-54.987	5.5
30	MP3B	Mx	.077	5.5
31	MP3C	X	135.242	.5
32	MP3C	Z	-78.082	.5
33	MP3C	Mx	-.116	.5
34	MP3C	X	135.242	5.5
35	MP3C	Z	-78.082	5.5
36	MP3C	Mx	-.116	5.5
37	MP1A	X	38.327	2
38	MP1A	Z	-22.128	2
39	MP1A	Mx	-.019	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
40	MP1A	X	38.327	4
41	MP1A	Z	-22.128	4
42	MP1A	Mx	-.019	4
43	MP1B	X	32.62	2
44	MP1B	Z	-18.833	2
45	MP1B	Mx	.018	2
46	MP1B	X	32.62	4
47	MP1B	Z	-18.833	4
48	MP1B	Mx	.018	4
49	MP1C	X	69.21	2
50	MP1C	Z	-39.958	2
51	MP1C	Mx	-.007	2
52	MP1C	X	69.21	4
53	MP1C	Z	-39.958	4
54	MP1C	Mx	-.007	4
55	OVP	X	96.307	1
56	OVP	Z	-55.603	1
57	OVP	Mx	0	1
58	MP3A	X	42.152	3.5
59	MP3A	Z	-24.336	3.5
60	MP3A	Mx	.021	3.5
61	MP3B	X	39.678	3.5
62	MP3B	Z	-22.908	3.5
63	MP3B	Mx	-.022	3.5
64	MP3C	X	55.542	3.5
65	MP3C	Z	-32.067	3.5
66	MP3C	Mx	.006	3.5
67	MP2A	X	39.621	3.5
68	MP2A	Z	-22.875	3.5
69	MP2A	Mx	.02	3.5
70	MP2B	X	36.697	3.5
71	MP2B	Z	-21.187	3.5
72	MP2B	Mx	-.02	3.5
73	MP2C	X	55.44	3.5
74	MP2C	Z	-32.008	3.5
75	MP2C	Mx	.006	3.5
76	MP3A	X	8.535	1
77	MP3A	Z	-4.928	1
78	MP3A	Mx	.003	1
79	MP3B	X	8.08	1
80	MP3B	Z	-4.665	1
81	MP3B	Mx	-.003	1
82	MP3C	X	10.997	1
83	MP3C	Z	-6.349	1
84	MP3C	Mx	.000735	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	103.639	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.052	.5
4	MP3A	X	103.639	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.052	5.5
7	MP3B	X	135.42	.5
8	MP3B	Z	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
9	MP3B	Mx	-.026	.5
10	MP3B	X	135.42	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.026	5.5
13	MP3C	X	151.462	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.121	.5
16	MP3C	X	151.462	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.121	5.5
19	MP3A	X	103.639	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.052	.5
22	MP3A	X	103.639	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.052	5.5
25	MP3B	X	135.42	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.113	.5
28	MP3B	X	135.42	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.113	5.5
31	MP3C	X	151.462	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.069	.5
34	MP3C	X	151.462	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.069	5.5
37	MP1A	X	31.872	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.016	2
40	MP1A	X	31.872	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.016	4
43	MP1B	X	60.942	2
44	MP1B	Z	0	2
45	MP1B	Mx	.02	2
46	MP1B	X	60.942	4
47	MP1B	Z	0	4
48	MP1B	Mx	.02	4
49	MP1C	X	75.615	2
50	MP1C	Z	0	2
51	MP1C	Mx	.013	2
52	MP1C	X	75.615	4
53	MP1C	Z	0	4
54	MP1C	Mx	.013	4
55	OVP	X	126.872	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP3A	X	43.303	3.5
59	MP3A	Z	0	3.5
60	MP3A	Mx	.022	3.5
61	MP3B	X	55.907	3.5
62	MP3B	Z	0	3.5
63	MP3B	Mx	-.018	3.5
64	MP3C	X	62.269	3.5
65	MP3C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP3C	Mx	-.011	3.5
67	MP2A	X	39.406	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	.02	3.5
70	MP2B	X	54.297	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	-.017	3.5
73	MP2C	X	61.813	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.011	3.5
76	MP3A	X	8.869	1
77	MP3A	Z	0	1
78	MP3A	Mx	.003	1
79	MP3B	X	11.186	1
80	MP3B	Z	0	1
81	MP3B	Mx	-.002	1
82	MP3C	X	12.356	1
83	MP3C	Z	0	1
84	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	101.48	.5
2	MP3A	Z	58.589	.5
3	MP3A	Mx	-.012	.5
4	MP3A	X	101.48	5.5
5	MP3A	Z	58.589	5.5
6	MP3A	Mx	-.012	5.5
7	MP3B	X	135.242	.5
8	MP3B	Z	78.082	.5
9	MP3B	Mx	-.089	.5
10	MP3B	X	135.242	5.5
11	MP3B	Z	78.082	5.5
12	MP3B	Mx	-.089	5.5
13	MP3C	X	109.133	.5
14	MP3C	Z	63.008	.5
15	MP3C	Mx	.102	.5
16	MP3C	X	109.133	5.5
17	MP3C	Z	63.008	5.5
18	MP3C	Mx	.102	5.5
19	MP3A	X	101.48	.5
20	MP3A	Z	58.589	.5
21	MP3A	Mx	-.09	.5
22	MP3A	X	101.48	5.5
23	MP3A	Z	58.589	5.5
24	MP3A	Mx	-.09	5.5
25	MP3B	X	135.242	.5
26	MP3B	Z	78.082	.5
27	MP3B	Mx	.116	.5
28	MP3B	X	135.242	5.5
29	MP3B	Z	78.082	5.5
30	MP3B	Mx	.116	5.5
31	MP3C	X	109.133	.5
32	MP3C	Z	63.008	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	109.133	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP3C	Z	63.008	5.5
36	MP3C	Mx	-.006	5.5
37	MP1A	X	38.327	2
38	MP1A	Z	22.128	2
39	MP1A	Mx	-.019	2
40	MP1A	X	38.327	4
41	MP1A	Z	22.128	4
42	MP1A	Mx	-.019	4
43	MP1B	X	69.21	2
44	MP1B	Z	39.958	2
45	MP1B	Mx	.007	2
46	MP1B	X	69.21	4
47	MP1B	Z	39.958	4
48	MP1B	Mx	.007	4
49	MP1C	X	45.328	2
50	MP1C	Z	26.17	2
51	MP1C	Mx	.02	2
52	MP1C	X	45.328	4
53	MP1C	Z	26.17	4
54	MP1C	Mx	.02	4
55	OVP	X	120.935	1
56	OVP	Z	69.822	1
57	OVP	Mx	0	1
58	MP3A	X	42.152	3.5
59	MP3A	Z	24.336	3.5
60	MP3A	Mx	.021	3.5
61	MP3B	X	55.542	3.5
62	MP3B	Z	32.067	3.5
63	MP3B	Mx	-.006	3.5
64	MP3C	X	45.187	3.5
65	MP3C	Z	26.089	3.5
66	MP3C	Mx	-.02	3.5
67	MP2A	X	39.621	3.5
68	MP2A	Z	22.875	3.5
69	MP2A	Mx	.02	3.5
70	MP2B	X	55.44	3.5
71	MP2B	Z	32.008	3.5
72	MP2B	Mx	-.006	3.5
73	MP2C	X	43.206	3.5
74	MP2C	Z	24.945	3.5
75	MP2C	Mx	-.019	3.5
76	MP3A	X	8.535	1
77	MP3A	Z	4.928	1
78	MP3A	Mx	.003	1
79	MP3B	X	10.997	1
80	MP3B	Z	6.349	1
81	MP3B	Mx	-.000735	1
82	MP3C	X	9.093	1
83	MP3C	Z	5.25	1
84	MP3C	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	72.129	.5
2	MP3A	Z	124.931	.5
3	MP3A	Mx	.047	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	MP3A	X	72.129	5.5
5	MP3A	Z	124.931	5.5
6	MP3A	Mx	.047	5.5
7	MP3B	X	75.731	.5
8	MP3B	Z	131.17	.5
9	MP3B	Mx	-.121	.5
10	MP3B	X	75.731	5.5
11	MP3B	Z	131.17	5.5
12	MP3B	Mx	-.121	5.5
13	MP3C	X	52.636	.5
14	MP3C	Z	91.168	.5
15	MP3C	Mx	.064	.5
16	MP3C	X	52.636	5.5
17	MP3C	Z	91.168	5.5
18	MP3C	Mx	.064	5.5
19	MP3A	X	72.129	.5
20	MP3A	Z	124.931	.5
21	MP3A	Mx	-.119	.5
22	MP3A	X	72.129	5.5
23	MP3A	Z	124.931	5.5
24	MP3A	Mx	-.119	5.5
25	MP3B	X	75.731	.5
26	MP3B	Z	131.17	.5
27	MP3B	Mx	.069	.5
28	MP3B	X	75.731	5.5
29	MP3B	Z	131.17	5.5
30	MP3B	Mx	.069	5.5
31	MP3C	X	52.636	.5
32	MP3C	Z	91.168	.5
33	MP3C	Mx	.04	.5
34	MP3C	X	52.636	5.5
35	MP3C	Z	91.168	5.5
36	MP3C	Mx	.04	5.5
37	MP1A	X	34.513	2
38	MP1A	Z	59.778	2
39	MP1A	Mx	-.017	2
40	MP1A	X	34.513	4
41	MP1A	Z	59.778	4
42	MP1A	Mx	-.017	4
43	MP1B	X	37.808	2
44	MP1B	Z	65.485	2
45	MP1B	Mx	-.013	2
46	MP1B	X	37.808	4
47	MP1B	Z	65.485	4
48	MP1B	Mx	-.013	4
49	MP1C	X	16.683	2
50	MP1C	Z	28.896	2
51	MP1C	Mx	.016	2
52	MP1C	X	16.683	4
53	MP1C	Z	28.896	4
54	MP1C	Mx	.016	4
55	OVP	X	68.374	1
56	OVP	Z	118.428	1
57	OVP	Mx	0	1
58	MP3A	X	29.706	3.5
59	MP3A	Z	51.452	3.5
60	MP3A	Mx	.015	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP3B	X	31.135	3.5
62	MP3B	Z	53.927	3.5
63	MP3B	Mx	.011	3.5
64	MP3C	X	21.975	3.5
65	MP3C	Z	38.063	3.5
66	MP3C	Mx	-.022	3.5
67	MP2A	X	29.219	3.5
68	MP2A	Z	50.609	3.5
69	MP2A	Mx	.015	3.5
70	MP2B	X	30.907	3.5
71	MP2B	Z	53.532	3.5
72	MP2B	Mx	.011	3.5
73	MP2C	X	20.086	3.5
74	MP2C	Z	34.789	3.5
75	MP2C	Mx	-.02	3.5
76	MP3A	X	5.915	1
77	MP3A	Z	10.245	1
78	MP3A	Mx	.002	1
79	MP3B	X	6.178	1
80	MP3B	Z	10.7	1
81	MP3B	Mx	.001	1
82	MP3C	X	4.494	1
83	MP3C	Z	7.783	1
84	MP3C	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	157.797	.5
3	MP3A	Mx	.105	.5
4	MP3A	X	0	5.5
5	MP3A	Z	157.797	5.5
6	MP3A	Mx	.105	5.5
7	MP3B	X	0	.5
8	MP3B	Z	126.016	.5
9	MP3B	Mx	-.102	.5
10	MP3B	X	0	5.5
11	MP3B	Z	126.016	5.5
12	MP3B	Mx	-.102	5.5
13	MP3C	X	0	.5
14	MP3C	Z	109.974	.5
15	MP3C	Mx	.027	.5
16	MP3C	X	0	5.5
17	MP3C	Z	109.974	5.5
18	MP3C	Mx	.027	5.5
19	MP3A	X	0	.5
20	MP3A	Z	157.797	.5
21	MP3A	Mx	-.105	.5
22	MP3A	X	0	5.5
23	MP3A	Z	157.797	5.5
24	MP3A	Mx	-.105	5.5
25	MP3B	X	0	.5
26	MP3B	Z	126.016	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	0	5.5
29	MP3B	Z	126.016	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
30	MP3B	Mx	.006	5.5
31	MP3C	X	0	.5
32	MP3C	Z	109.974	.5
33	MP3C	Mx	.077	.5
34	MP3C	X	0	5.5
35	MP3C	Z	109.974	5.5
36	MP3C	Mx	.077	5.5
37	MP1A	X	0	2
38	MP1A	Z	81.41	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	81.41	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	52.34	2
45	MP1B	Mx	-.02	2
46	MP1B	X	0	4
47	MP1B	Z	52.34	4
48	MP1B	Mx	-.02	4
49	MP1C	X	0	2
50	MP1C	Z	37.667	2
51	MP1C	Mx	.018	2
52	MP1C	X	0	4
53	MP1C	Z	37.667	4
54	MP1C	Mx	.018	4
55	OVP	X	0	1
56	OVP	Z	121.082	1
57	OVP	Mx	0	1
58	MP3A	X	0	3.5
59	MP3A	Z	64.782	3.5
60	MP3A	Mx	0	3.5
61	MP3B	X	0	3.5
62	MP3B	Z	52.178	3.5
63	MP3B	Mx	.02	3.5
64	MP3C	X	0	3.5
65	MP3C	Z	45.816	3.5
66	MP3C	Mx	-.022	3.5
67	MP2A	X	0	3.5
68	MP2A	Z	64.782	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	49.891	3.5
72	MP2B	Mx	.019	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	42.374	3.5
75	MP2C	Mx	-.02	3.5
76	MP3A	X	0	1
77	MP3A	Z	12.818	1
78	MP3A	Mx	0	1
79	MP3B	X	0	1
80	MP3B	Z	10.5	1
81	MP3B	Mx	.003	1
82	MP3C	X	0	1
83	MP3C	Z	9.33	1
84	MP3C	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-72.129	.5
2	MP3A	Z	124.931	.5
3	MP3A	Mx	.119	.5
4	MP3A	X	-72.129	5.5
5	MP3A	Z	124.931	5.5
6	MP3A	Mx	.119	5.5
7	MP3B	X	-52.636	.5
8	MP3B	Z	91.168	.5
9	MP3B	Mx	-.064	.5
10	MP3B	X	-52.636	5.5
11	MP3B	Z	91.168	5.5
12	MP3B	Mx	-.064	5.5
13	MP3C	X	-67.71	.5
14	MP3C	Z	117.277	.5
15	MP3C	Mx	-.026	.5
16	MP3C	X	-67.71	5.5
17	MP3C	Z	117.277	5.5
18	MP3C	Mx	-.026	5.5
19	MP3A	X	-72.129	.5
20	MP3A	Z	124.931	.5
21	MP3A	Mx	-.047	.5
22	MP3A	X	-72.129	5.5
23	MP3A	Z	124.931	5.5
24	MP3A	Mx	-.047	5.5
25	MP3B	X	-52.636	.5
26	MP3B	Z	91.168	.5
27	MP3B	Mx	-.04	.5
28	MP3B	X	-52.636	5.5
29	MP3B	Z	91.168	5.5
30	MP3B	Mx	-.04	5.5
31	MP3C	X	-67.71	.5
32	MP3C	Z	117.277	.5
33	MP3C	Mx	.113	.5
34	MP3C	X	-67.71	5.5
35	MP3C	Z	117.277	5.5
36	MP3C	Mx	.113	5.5
37	MP1A	X	-34.513	2
38	MP1A	Z	59.778	2
39	MP1A	Mx	.017	2
40	MP1A	X	-34.513	4
41	MP1A	Z	59.778	4
42	MP1A	Mx	.017	4
43	MP1B	X	-16.683	2
44	MP1B	Z	28.896	2
45	MP1B	Mx	-.016	2
46	MP1B	X	-16.683	4
47	MP1B	Z	28.896	4
48	MP1B	Mx	-.016	4
49	MP1C	X	-30.471	2
50	MP1C	Z	52.777	2
51	MP1C	Mx	.02	2
52	MP1C	X	-30.471	4
53	MP1C	Z	52.777	4
54	MP1C	Mx	.02	4
55	OVP	X	-54.155	1
56	OVP	Z	93.8	1
57	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3A	X	-29.706	3.5
59	MP3A	Z	51.452	3.5
60	MP3A	Mx	-.015	3.5
61	MP3B	X	-21.975	3.5
62	MP3B	Z	38.063	3.5
63	MP3B	Mx	.022	3.5
64	MP3C	X	-27.954	3.5
65	MP3C	Z	48.417	3.5
66	MP3C	Mx	-.018	3.5
67	MP2A	X	-29.219	3.5
68	MP2A	Z	50.609	3.5
69	MP2A	Mx	-.015	3.5
70	MP2B	X	-20.086	3.5
71	MP2B	Z	34.789	3.5
72	MP2B	Mx	.02	3.5
73	MP2C	X	-27.149	3.5
74	MP2C	Z	47.023	3.5
75	MP2C	Mx	-.017	3.5
76	MP3A	X	-5.915	1
77	MP3A	Z	10.245	1
78	MP3A	Mx	-.002	1
79	MP3B	X	-4.494	1
80	MP3B	Z	7.783	1
81	MP3B	Mx	.003	1
82	MP3C	X	-5.593	1
83	MP3C	Z	9.687	1
84	MP3C	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-101.48	.5
2	MP3A	Z	58.589	.5
3	MP3A	Mx	.09	.5
4	MP3A	X	-101.48	5.5
5	MP3A	Z	58.589	5.5
6	MP3A	Mx	.09	5.5
7	MP3B	X	-95.241	.5
8	MP3B	Z	54.987	.5
9	MP3B	Mx	-.027	.5
10	MP3B	X	-95.241	5.5
11	MP3B	Z	54.987	5.5
12	MP3B	Mx	-.027	5.5
13	MP3C	X	-135.242	.5
14	MP3C	Z	78.082	.5
15	MP3C	Mx	-.089	.5
16	MP3C	X	-135.242	5.5
17	MP3C	Z	78.082	5.5
18	MP3C	Mx	-.089	5.5
19	MP3A	X	-101.48	.5
20	MP3A	Z	58.589	.5
21	MP3A	Mx	.012	.5
22	MP3A	X	-101.48	5.5
23	MP3A	Z	58.589	5.5
24	MP3A	Mx	.012	5.5
25	MP3B	X	-95.241	.5
26	MP3B	Z	54.987	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	-.077	.5
28	MP3B	X	-95.241	5.5
29	MP3B	Z	54.987	5.5
30	MP3B	Mx	-.077	5.5
31	MP3C	X	-135.242	.5
32	MP3C	Z	78.082	.5
33	MP3C	Mx	.116	.5
34	MP3C	X	-135.242	5.5
35	MP3C	Z	78.082	5.5
36	MP3C	Mx	.116	5.5
37	MP1A	X	-38.327	2
38	MP1A	Z	22.128	2
39	MP1A	Mx	.019	2
40	MP1A	X	-38.327	4
41	MP1A	Z	22.128	4
42	MP1A	Mx	.019	4
43	MP1B	X	-32.62	2
44	MP1B	Z	18.833	2
45	MP1B	Mx	-.018	2
46	MP1B	X	-32.62	4
47	MP1B	Z	18.833	4
48	MP1B	Mx	-.018	4
49	MP1C	X	-69.21	2
50	MP1C	Z	39.958	2
51	MP1C	Mx	.007	2
52	MP1C	X	-69.21	4
53	MP1C	Z	39.958	4
54	MP1C	Mx	.007	4
55	OVP	X	-96.307	1
56	OVP	Z	55.603	1
57	OVP	Mx	0	1
58	MP3A	X	-42.152	3.5
59	MP3A	Z	24.336	3.5
60	MP3A	Mx	-.021	3.5
61	MP3B	X	-39.678	3.5
62	MP3B	Z	22.908	3.5
63	MP3B	Mx	.022	3.5
64	MP3C	X	-55.542	3.5
65	MP3C	Z	32.067	3.5
66	MP3C	Mx	-.006	3.5
67	MP2A	X	-39.621	3.5
68	MP2A	Z	22.875	3.5
69	MP2A	Mx	-.02	3.5
70	MP2B	X	-36.697	3.5
71	MP2B	Z	21.187	3.5
72	MP2B	Mx	.02	3.5
73	MP2C	X	-55.44	3.5
74	MP2C	Z	32.008	3.5
75	MP2C	Mx	-.006	3.5
76	MP3A	X	-8.535	1
77	MP3A	Z	4.928	1
78	MP3A	Mx	-.003	1
79	MP3B	X	-8.08	1
80	MP3B	Z	4.665	1
81	MP3B	Mx	.003	1
82	MP3C	X	-10.997	1
83	MP3C	Z	6.349	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP3C	Mx	-.000735	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-103.639	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.052	.5
4	MP3A	X	-103.639	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.052	5.5
7	MP3B	X	-135.42	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.026	.5
10	MP3B	X	-135.42	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.026	5.5
13	MP3C	X	-151.462	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.121	.5
16	MP3C	X	-151.462	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.121	5.5
19	MP3A	X	-103.639	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.052	.5
22	MP3A	X	-103.639	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.052	5.5
25	MP3B	X	-135.42	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.113	.5
28	MP3B	X	-135.42	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.113	5.5
31	MP3C	X	-151.462	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.069	.5
34	MP3C	X	-151.462	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.069	5.5
37	MP1A	X	-31.872	2
38	MP1A	Z	0	2
39	MP1A	Mx	.016	2
40	MP1A	X	-31.872	4
41	MP1A	Z	0	4
42	MP1A	Mx	.016	4
43	MP1B	X	-60.942	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.02	2
46	MP1B	X	-60.942	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.02	4
49	MP1C	X	-75.615	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.013	2
52	MP1C	X	-75.615	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP1C	Z	0	4
54	MP1C	Mx	-.013	4
55	OVP	X	-126.872	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP3A	X	-43.303	3.5
59	MP3A	Z	0	3.5
60	MP3A	Mx	-.022	3.5
61	MP3B	X	-55.907	3.5
62	MP3B	Z	0	3.5
63	MP3B	Mx	.018	3.5
64	MP3C	X	-62.269	3.5
65	MP3C	Z	0	3.5
66	MP3C	Mx	.011	3.5
67	MP2A	X	-39.406	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	-.02	3.5
70	MP2B	X	-54.297	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	.017	3.5
73	MP2C	X	-61.813	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.011	3.5
76	MP3A	X	-8.869	1
77	MP3A	Z	0	1
78	MP3A	Mx	-.003	1
79	MP3B	X	-11.186	1
80	MP3B	Z	0	1
81	MP3B	Mx	.002	1
82	MP3C	X	-12.356	1
83	MP3C	Z	0	1
84	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-101.48	.5
2	MP3A	Z	-58.589	.5
3	MP3A	Mx	.012	.5
4	MP3A	X	-101.48	5.5
5	MP3A	Z	-58.589	5.5
6	MP3A	Mx	.012	5.5
7	MP3B	X	-135.242	.5
8	MP3B	Z	-78.082	.5
9	MP3B	Mx	.089	.5
10	MP3B	X	-135.242	5.5
11	MP3B	Z	-78.082	5.5
12	MP3B	Mx	.089	5.5
13	MP3C	X	-109.133	.5
14	MP3C	Z	-63.008	.5
15	MP3C	Mx	-.102	.5
16	MP3C	X	-109.133	5.5
17	MP3C	Z	-63.008	5.5
18	MP3C	Mx	-.102	5.5
19	MP3A	X	-101.48	.5
20	MP3A	Z	-58.589	.5
21	MP3A	Mx	.09	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
22	MP3A	X	-101.48	5.5
23	MP3A	Z	-58.589	5.5
24	MP3A	Mx	.09	5.5
25	MP3B	X	-135.242	.5
26	MP3B	Z	-78.082	.5
27	MP3B	Mx	-.116	.5
28	MP3B	X	-135.242	5.5
29	MP3B	Z	-78.082	5.5
30	MP3B	Mx	-.116	5.5
31	MP3C	X	-109.133	.5
32	MP3C	Z	-63.008	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	-109.133	5.5
35	MP3C	Z	-63.008	5.5
36	MP3C	Mx	.006	5.5
37	MP1A	X	-38.327	2
38	MP1A	Z	-22.128	2
39	MP1A	Mx	.019	2
40	MP1A	X	-38.327	4
41	MP1A	Z	-22.128	4
42	MP1A	Mx	.019	4
43	MP1B	X	-69.21	2
44	MP1B	Z	-39.958	2
45	MP1B	Mx	-.007	2
46	MP1B	X	-69.21	4
47	MP1B	Z	-39.958	4
48	MP1B	Mx	-.007	4
49	MP1C	X	-45.328	2
50	MP1C	Z	-26.17	2
51	MP1C	Mx	-.02	2
52	MP1C	X	-45.328	4
53	MP1C	Z	-26.17	4
54	MP1C	Mx	-.02	4
55	OVP	X	-120.935	1
56	OVP	Z	-69.822	1
57	OVP	Mx	0	1
58	MP3A	X	-42.152	3.5
59	MP3A	Z	-24.336	3.5
60	MP3A	Mx	-.021	3.5
61	MP3B	X	-55.542	3.5
62	MP3B	Z	-32.067	3.5
63	MP3B	Mx	.006	3.5
64	MP3C	X	-45.187	3.5
65	MP3C	Z	-26.089	3.5
66	MP3C	Mx	.02	3.5
67	MP2A	X	-39.621	3.5
68	MP2A	Z	-22.875	3.5
69	MP2A	Mx	-.02	3.5
70	MP2B	X	-55.44	3.5
71	MP2B	Z	-32.008	3.5
72	MP2B	Mx	.006	3.5
73	MP2C	X	-43.206	3.5
74	MP2C	Z	-24.945	3.5
75	MP2C	Mx	.019	3.5
76	MP3A	X	-8.535	1
77	MP3A	Z	-4.928	1
78	MP3A	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
79	MP3B	X	-10.997	1
80	MP3B	Z	-6.349	1
81	MP3B	Mx	.000735	1
82	MP3C	X	-9.093	1
83	MP3C	Z	-5.25	1
84	MP3C	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-72.129	.5
2	MP3A	Z	-124.931	.5
3	MP3A	Mx	-.047	.5
4	MP3A	X	-72.129	5.5
5	MP3A	Z	-124.931	5.5
6	MP3A	Mx	-.047	5.5
7	MP3B	X	-75.731	.5
8	MP3B	Z	-131.17	.5
9	MP3B	Mx	.121	.5
10	MP3B	X	-75.731	5.5
11	MP3B	Z	-131.17	5.5
12	MP3B	Mx	.121	5.5
13	MP3C	X	-52.636	.5
14	MP3C	Z	-91.168	.5
15	MP3C	Mx	-.064	.5
16	MP3C	X	-52.636	5.5
17	MP3C	Z	-91.168	5.5
18	MP3C	Mx	-.064	5.5
19	MP3A	X	-72.129	.5
20	MP3A	Z	-124.931	.5
21	MP3A	Mx	.119	.5
22	MP3A	X	-72.129	5.5
23	MP3A	Z	-124.931	5.5
24	MP3A	Mx	.119	5.5
25	MP3B	X	-75.731	.5
26	MP3B	Z	-131.17	.5
27	MP3B	Mx	-.069	.5
28	MP3B	X	-75.731	5.5
29	MP3B	Z	-131.17	5.5
30	MP3B	Mx	-.069	5.5
31	MP3C	X	-52.636	.5
32	MP3C	Z	-91.168	.5
33	MP3C	Mx	-.04	.5
34	MP3C	X	-52.636	5.5
35	MP3C	Z	-91.168	5.5
36	MP3C	Mx	-.04	5.5
37	MP1A	X	-34.513	2
38	MP1A	Z	-59.778	2
39	MP1A	Mx	.017	2
40	MP1A	X	-34.513	4
41	MP1A	Z	-59.778	4
42	MP1A	Mx	.017	4
43	MP1B	X	-37.808	2
44	MP1B	Z	-65.485	2
45	MP1B	Mx	.013	2
46	MP1B	X	-37.808	4
47	MP1B	Z	-65.485	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP1B	Mx	.013	4
49	MP1C	X	-16.683	2
50	MP1C	Z	-28.896	2
51	MP1C	Mx	-.016	2
52	MP1C	X	-16.683	4
53	MP1C	Z	-28.896	4
54	MP1C	Mx	-.016	4
55	OVP	X	-68.374	1
56	OVP	Z	-118.428	1
57	OVP	Mx	0	1
58	MP3A	X	-29.706	3.5
59	MP3A	Z	-51.452	3.5
60	MP3A	Mx	-.015	3.5
61	MP3B	X	-31.135	3.5
62	MP3B	Z	-53.927	3.5
63	MP3B	Mx	-.011	3.5
64	MP3C	X	-21.975	3.5
65	MP3C	Z	-38.063	3.5
66	MP3C	Mx	.022	3.5
67	MP2A	X	-29.219	3.5
68	MP2A	Z	-50.609	3.5
69	MP2A	Mx	-.015	3.5
70	MP2B	X	-30.907	3.5
71	MP2B	Z	-53.532	3.5
72	MP2B	Mx	-.011	3.5
73	MP2C	X	-20.086	3.5
74	MP2C	Z	-34.789	3.5
75	MP2C	Mx	.02	3.5
76	MP3A	X	-5.915	1
77	MP3A	Z	-10.245	1
78	MP3A	Mx	-.002	1
79	MP3B	X	-6.178	1
80	MP3B	Z	-10.7	1
81	MP3B	Mx	-.001	1
82	MP3C	X	-4.494	1
83	MP3C	Z	-7.783	1
84	MP3C	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-28.549	.5
3	MP3A	Mx	-.019	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-28.549	5.5
6	MP3A	Mx	-.019	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-23.22	.5
9	MP3B	Mx	.019	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-23.22	5.5
12	MP3B	Mx	.019	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-20.53	.5
15	MP3C	Mx	-.005	.5
16	MP3C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
17	MP3C	Z	-20.53	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-28.549	.5
21	MP3A	Mx	.019	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-28.549	5.5
24	MP3A	Mx	.019	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-23.22	.5
27	MP3B	Mx	-.001	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-23.22	5.5
30	MP3B	Mx	-.001	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-20.53	.5
33	MP3C	Mx	-.014	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-20.53	5.5
36	MP3C	Mx	-.014	5.5
37	MP1A	X	0	2
38	MP1A	Z	-15.18	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	-15.18	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	-10.063	2
45	MP1B	Mx	.004	2
46	MP1B	X	0	4
47	MP1B	Z	-10.063	4
48	MP1B	Mx	.004	4
49	MP1C	X	0	2
50	MP1C	Z	-7.481	2
51	MP1C	Mx	-.004	2
52	MP1C	X	0	4
53	MP1C	Z	-7.481	4
54	MP1C	Mx	-.004	4
55	OVP	X	0	1
56	OVP	Z	-22.925	1
57	OVP	Mx	0	1
58	MP3A	X	0	3.5
59	MP3A	Z	-12.787	3.5
60	MP3A	Mx	0	3.5
61	MP3B	X	0	3.5
62	MP3B	Z	-10.501	3.5
63	MP3B	Mx	-.004	3.5
64	MP3C	X	0	3.5
65	MP3C	Z	-9.347	3.5
66	MP3C	Mx	.004	3.5
67	MP2A	X	0	3.5
68	MP2A	Z	-12.787	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	-10.089	3.5
72	MP2B	Mx	-.004	3.5
73	MP2C	X	0	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	MP2C	Z	-8.728	3.5
75	MP2C	Mx	.004	3.5
76	MP3A	X	0	1
77	MP3A	Z	-3.098	1
78	MP3A	Mx	0	1
79	MP3B	X	0	1
80	MP3B	Z	-2.643	1
81	MP3B	Mx	-.000675	1
82	MP3C	X	0	1
83	MP3C	Z	-2.414	1
84	MP3C	Mx	.000756	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	13.139	.5
2	MP3A	Z	-22.758	.5
3	MP3A	Mx	-.022	.5
4	MP3A	X	13.139	5.5
5	MP3A	Z	-22.758	5.5
6	MP3A	Mx	-.022	5.5
7	MP3B	X	9.871	.5
8	MP3B	Z	-17.097	.5
9	MP3B	Mx	.012	.5
10	MP3B	X	9.871	5.5
11	MP3B	Z	-17.097	5.5
12	MP3B	Mx	.012	5.5
13	MP3C	X	12.398	.5
14	MP3C	Z	-21.474	.5
15	MP3C	Mx	.005	.5
16	MP3C	X	12.398	5.5
17	MP3C	Z	-21.474	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	13.139	.5
20	MP3A	Z	-22.758	.5
21	MP3A	Mx	.009	.5
22	MP3A	X	13.139	5.5
23	MP3A	Z	-22.758	5.5
24	MP3A	Mx	.009	5.5
25	MP3B	X	9.871	.5
26	MP3B	Z	-17.097	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	9.871	5.5
29	MP3B	Z	-17.097	5.5
30	MP3B	Mx	.007	5.5
31	MP3C	X	12.398	.5
32	MP3C	Z	-21.474	.5
33	MP3C	Mx	-.021	.5
34	MP3C	X	12.398	5.5
35	MP3C	Z	-21.474	5.5
36	MP3C	Mx	-.021	5.5
37	MP1A	X	6.5	2
38	MP1A	Z	-11.259	2
39	MP1A	Mx	-.003	2
40	MP1A	X	6.5	4
41	MP1A	Z	-11.259	4
42	MP1A	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP1B	X	3.362	2
44	MP1B	Z	-5.823	2
45	MP1B	Mx	.003	2
46	MP1B	X	3.362	4
47	MP1B	Z	-5.823	4
48	MP1B	Mx	.003	4
49	MP1C	X	5.789	2
50	MP1C	Z	-10.026	2
51	MP1C	Mx	-.004	2
52	MP1C	X	5.789	4
53	MP1C	Z	-10.026	4
54	MP1C	Mx	-.004	4
55	OVP	X	10.364	1
56	OVP	Z	-17.951	1
57	OVP	Mx	0	1
58	MP3A	X	5.907	3.5
59	MP3A	Z	-10.231	3.5
60	MP3A	Mx	.003	3.5
61	MP3B	X	4.504	3.5
62	MP3B	Z	-7.802	3.5
63	MP3B	Mx	-.004	3.5
64	MP3C	X	5.589	3.5
65	MP3C	Z	-9.68	3.5
66	MP3C	Mx	.004	3.5
67	MP2A	X	5.819	3.5
68	MP2A	Z	-10.079	3.5
69	MP2A	Mx	.003	3.5
70	MP2B	X	4.164	3.5
71	MP2B	Z	-7.213	3.5
72	MP2B	Mx	-.004	3.5
73	MP2C	X	5.444	3.5
74	MP2C	Z	-9.429	3.5
75	MP2C	Mx	.003	3.5
76	MP3A	X	1.452	1
77	MP3A	Z	-2.515	1
78	MP3A	Mx	.000484	1
79	MP3B	X	1.173	1
80	MP3B	Z	-2.032	1
81	MP3B	Mx	-.00077	1
82	MP3C	X	1.389	1
83	MP3C	Z	-2.406	1
84	MP3C	Mx	.000595	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	18.826	.5
2	MP3A	Z	-10.869	.5
3	MP3A	Mx	-.017	.5
4	MP3A	X	18.826	5.5
5	MP3A	Z	-10.869	5.5
6	MP3A	Mx	-.017	5.5
7	MP3B	X	17.779	.5
8	MP3B	Z	-10.265	.5
9	MP3B	Mx	.005	.5
10	MP3B	X	17.779	5.5
11	MP3B	Z	-10.265	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP3B	Mx	.005	5.5
13	MP3C	X	24.487	.5
14	MP3C	Z	-14.137	.5
15	MP3C	Mx	.016	.5
16	MP3C	X	24.487	5.5
17	MP3C	Z	-14.137	5.5
18	MP3C	Mx	.016	5.5
19	MP3A	X	18.826	.5
20	MP3A	Z	-10.869	.5
21	MP3A	Mx	-.002	.5
22	MP3A	X	18.826	5.5
23	MP3A	Z	-10.869	5.5
24	MP3A	Mx	-.002	5.5
25	MP3B	X	17.779	.5
26	MP3B	Z	-10.265	.5
27	MP3B	Mx	.014	.5
28	MP3B	X	17.779	5.5
29	MP3B	Z	-10.265	5.5
30	MP3B	Mx	.014	5.5
31	MP3C	X	24.487	.5
32	MP3C	Z	-14.137	.5
33	MP3C	Mx	-.021	.5
34	MP3C	X	24.487	5.5
35	MP3C	Z	-14.137	5.5
36	MP3C	Mx	-.021	5.5
37	MP1A	X	7.483	2
38	MP1A	Z	-4.32	2
39	MP1A	Mx	-.004	2
40	MP1A	X	7.483	4
41	MP1A	Z	-4.32	4
42	MP1A	Mx	-.004	4
43	MP1B	X	6.479	2
44	MP1B	Z	-3.74	2
45	MP1B	Mx	.004	2
46	MP1B	X	6.479	4
47	MP1B	Z	-3.74	4
48	MP1B	Mx	.004	4
49	MP1C	X	12.919	2
50	MP1C	Z	-7.459	2
51	MP1C	Mx	-.001	2
52	MP1C	X	12.919	4
53	MP1C	Z	-7.459	4
54	MP1C	Mx	-.001	4
55	OVP	X	18.382	1
56	OVP	Z	-10.613	1
57	OVP	Mx	0	1
58	MP3A	X	8.544	3.5
59	MP3A	Z	-4.933	3.5
60	MP3A	Mx	.004	3.5
61	MP3B	X	8.095	3.5
62	MP3B	Z	-4.674	3.5
63	MP3B	Mx	-.004	3.5
64	MP3C	X	10.972	3.5
65	MP3C	Z	-6.335	3.5
66	MP3C	Mx	.001	3.5
67	MP2A	X	8.088	3.5
68	MP2A	Z	-4.67	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP2A	Mx	.004	3.5
70	MP2B	X	7.558	3.5
71	MP2B	Z	-4.364	3.5
72	MP2B	Mx	-.004	3.5
73	MP2C	X	10.954	3.5
74	MP2C	Z	-6.324	3.5
75	MP2C	Mx	.001	3.5
76	MP3A	X	2.18	1
77	MP3A	Z	-1.258	1
78	MP3A	Mx	.000727	1
79	MP3B	X	2.091	1
80	MP3B	Z	-1.207	1
81	MP3B	Mx	-.000756	1
82	MP3C	X	2.663	1
83	MP3C	Z	-1.537	1
84	MP3C	Mx	.000178	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	19.468	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.01	.5
4	MP3A	X	19.468	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.01	5.5
7	MP3B	X	24.797	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.005	.5
10	MP3B	X	24.797	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	27.486	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.022	.5
16	MP3C	X	27.486	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.022	5.5
19	MP3A	X	19.468	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.01	.5
22	MP3A	X	19.468	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.01	5.5
25	MP3B	X	24.797	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.021	.5
28	MP3B	X	24.797	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.021	5.5
31	MP3C	X	27.486	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.013	.5
34	MP3C	X	27.486	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.013	5.5
37	MP1A	X	6.461	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP1A	Z	0	2
39	MP1A	Mx	-.003	2
40	MP1A	X	6.461	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.003	4
43	MP1B	X	11.578	2
44	MP1B	Z	0	2
45	MP1B	Mx	.004	2
46	MP1B	X	11.578	4
47	MP1B	Z	0	4
48	MP1B	Mx	.004	4
49	MP1C	X	14.16	2
50	MP1C	Z	0	2
51	MP1C	Mx	.002	2
52	MP1C	X	14.16	4
53	MP1C	Z	0	4
54	MP1C	Mx	.002	4
55	OVP	X	23.921	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP3A	X	8.891	3.5
59	MP3A	Z	0	3.5
60	MP3A	Mx	.004	3.5
61	MP3B	X	11.177	3.5
62	MP3B	Z	0	3.5
63	MP3B	Mx	-.004	3.5
64	MP3C	X	12.331	3.5
65	MP3C	Z	0	3.5
66	MP3C	Mx	-.002	3.5
67	MP2A	X	8.19	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	.004	3.5
70	MP2B	X	10.888	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	-.003	3.5
73	MP2C	X	12.249	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.002	3.5
76	MP3A	X	2.323	1
77	MP3A	Z	0	1
78	MP3A	Mx	.000774	1
79	MP3B	X	2.778	1
80	MP3B	Z	0	1
81	MP3B	Mx	-.000595	1
82	MP3C	X	3.007	1
83	MP3C	Z	0	1
84	MP3C	Mx	-.000343	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	18.826	.5
2	MP3A	Z	10.869	.5
3	MP3A	Mx	-.002	.5
4	MP3A	X	18.826	5.5
5	MP3A	Z	10.869	5.5
6	MP3A	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP3B	X	24.487	.5
8	MP3B	Z	14.137	.5
9	MP3B	Mx	-.016	.5
10	MP3B	X	24.487	5.5
11	MP3B	Z	14.137	5.5
12	MP3B	Mx	-.016	5.5
13	MP3C	X	20.109	.5
14	MP3C	Z	11.61	.5
15	MP3C	Mx	.019	.5
16	MP3C	X	20.109	5.5
17	MP3C	Z	11.61	5.5
18	MP3C	Mx	.019	5.5
19	MP3A	X	18.826	.5
20	MP3A	Z	10.869	.5
21	MP3A	Mx	-.017	.5
22	MP3A	X	18.826	5.5
23	MP3A	Z	10.869	5.5
24	MP3A	Mx	-.017	5.5
25	MP3B	X	24.487	.5
26	MP3B	Z	14.137	.5
27	MP3B	Mx	.021	.5
28	MP3B	X	24.487	5.5
29	MP3B	Z	14.137	5.5
30	MP3B	Mx	.021	5.5
31	MP3C	X	20.109	.5
32	MP3C	Z	11.61	.5
33	MP3C	Mx	-.001	.5
34	MP3C	X	20.109	5.5
35	MP3C	Z	11.61	5.5
36	MP3C	Mx	-.001	5.5
37	MP1A	X	7.483	2
38	MP1A	Z	4.32	2
39	MP1A	Mx	-.004	2
40	MP1A	X	7.483	4
41	MP1A	Z	4.32	4
42	MP1A	Mx	-.004	4
43	MP1B	X	12.919	2
44	MP1B	Z	7.459	2
45	MP1B	Mx	.001	2
46	MP1B	X	12.919	4
47	MP1B	Z	7.459	4
48	MP1B	Mx	.001	4
49	MP1C	X	8.715	2
50	MP1C	Z	5.032	2
51	MP1C	Mx	.004	2
52	MP1C	X	8.715	4
53	MP1C	Z	5.032	4
54	MP1C	Mx	.004	4
55	OVP	X	22.619	1
56	OVP	Z	13.059	1
57	OVP	Mx	0	1
58	MP3A	X	8.544	3.5
59	MP3A	Z	4.933	3.5
60	MP3A	Mx	.004	3.5
61	MP3B	X	10.972	3.5
62	MP3B	Z	6.335	3.5
63	MP3B	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP3C	X	9.094	3.5
65	MP3C	Z	5.25	3.5
66	MP3C	Mx	-.004	3.5
67	MP2A	X	8.088	3.5
68	MP2A	Z	4.67	3.5
69	MP2A	Mx	.004	3.5
70	MP2B	X	10.954	3.5
71	MP2B	Z	6.324	3.5
72	MP2B	Mx	-.001	3.5
73	MP2C	X	8.738	3.5
74	MP2C	Z	5.045	3.5
75	MP2C	Mx	-.004	3.5
76	MP3A	X	2.18	1
77	MP3A	Z	1.258	1
78	MP3A	Mx	.000727	1
79	MP3B	X	2.663	1
80	MP3B	Z	1.537	1
81	MP3B	Mx	-.000178	1
82	MP3C	X	2.289	1
83	MP3C	Z	1.322	1
84	MP3C	Mx	-.000675	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	13.139	.5
2	MP3A	Z	22.758	.5
3	MP3A	Mx	.009	.5
4	MP3A	X	13.139	5.5
5	MP3A	Z	22.758	5.5
6	MP3A	Mx	.009	5.5
7	MP3B	X	13.743	.5
8	MP3B	Z	23.804	.5
9	MP3B	Mx	-.022	.5
10	MP3B	X	13.743	5.5
11	MP3B	Z	23.804	5.5
12	MP3B	Mx	-.022	5.5
13	MP3C	X	9.871	.5
14	MP3C	Z	17.097	.5
15	MP3C	Mx	.012	.5
16	MP3C	X	9.871	5.5
17	MP3C	Z	17.097	5.5
18	MP3C	Mx	.012	5.5
19	MP3A	X	13.139	.5
20	MP3A	Z	22.758	.5
21	MP3A	Mx	-.022	.5
22	MP3A	X	13.139	5.5
23	MP3A	Z	22.758	5.5
24	MP3A	Mx	-.022	5.5
25	MP3B	X	13.743	.5
26	MP3B	Z	23.804	.5
27	MP3B	Mx	.013	.5
28	MP3B	X	13.743	5.5
29	MP3B	Z	23.804	5.5
30	MP3B	Mx	.013	5.5
31	MP3C	X	9.871	.5
32	MP3C	Z	17.097	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	MP3C	Mx	.007	.5
34	MP3C	X	9.871	5.5
35	MP3C	Z	17.097	5.5
36	MP3C	Mx	.007	5.5
37	MP1A	X	6.5	2
38	MP1A	Z	11.259	2
39	MP1A	Mx	-.003	2
40	MP1A	X	6.5	4
41	MP1A	Z	11.259	4
42	MP1A	Mx	-.003	4
43	MP1B	X	7.08	2
44	MP1B	Z	12.263	2
45	MP1B	Mx	-.002	2
46	MP1B	X	7.08	4
47	MP1B	Z	12.263	4
48	MP1B	Mx	-.002	4
49	MP1C	X	3.362	2
50	MP1C	Z	5.823	2
51	MP1C	Mx	.003	2
52	MP1C	X	3.362	4
53	MP1C	Z	5.823	4
54	MP1C	Mx	.003	4
55	OVP	X	12.81	1
56	OVP	Z	22.188	1
57	OVP	Mx	0	1
58	MP3A	X	5.907	3.5
59	MP3A	Z	10.231	3.5
60	MP3A	Mx	.003	3.5
61	MP3B	X	6.166	3.5
62	MP3B	Z	10.679	3.5
63	MP3B	Mx	.002	3.5
64	MP3C	X	4.504	3.5
65	MP3C	Z	7.802	3.5
66	MP3C	Mx	-.004	3.5
67	MP2A	X	5.819	3.5
68	MP2A	Z	10.079	3.5
69	MP2A	Mx	.003	3.5
70	MP2B	X	6.125	3.5
71	MP2B	Z	10.608	3.5
72	MP2B	Mx	.002	3.5
73	MP2C	X	4.164	3.5
74	MP2C	Z	7.213	3.5
75	MP2C	Mx	-.004	3.5
76	MP3A	X	1.452	1
77	MP3A	Z	2.515	1
78	MP3A	Mx	.000484	1
79	MP3B	X	1.504	1
80	MP3B	Z	2.604	1
81	MP3B	Mx	.000343	1
82	MP3C	X	1.173	1
83	MP3C	Z	2.032	1
84	MP3C	Mx	-.00077	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
2	MP3A	Z	28.549	.5
3	MP3A	Mx	.019	.5
4	MP3A	X	0	5.5
5	MP3A	Z	28.549	5.5
6	MP3A	Mx	.019	5.5
7	MP3B	X	0	.5
8	MP3B	Z	23.22	.5
9	MP3B	Mx	-.019	.5
10	MP3B	X	0	5.5
11	MP3B	Z	23.22	5.5
12	MP3B	Mx	-.019	5.5
13	MP3C	X	0	.5
14	MP3C	Z	20.53	.5
15	MP3C	Mx	.005	.5
16	MP3C	X	0	5.5
17	MP3C	Z	20.53	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	0	.5
20	MP3A	Z	28.549	.5
21	MP3A	Mx	-.019	.5
22	MP3A	X	0	5.5
23	MP3A	Z	28.549	5.5
24	MP3A	Mx	-.019	5.5
25	MP3B	X	0	.5
26	MP3B	Z	23.22	.5
27	MP3B	Mx	.001	.5
28	MP3B	X	0	5.5
29	MP3B	Z	23.22	5.5
30	MP3B	Mx	.001	5.5
31	MP3C	X	0	.5
32	MP3C	Z	20.53	.5
33	MP3C	Mx	.014	.5
34	MP3C	X	0	5.5
35	MP3C	Z	20.53	5.5
36	MP3C	Mx	.014	5.5
37	MP1A	X	0	2
38	MP1A	Z	15.18	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	15.18	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	10.063	2
45	MP1B	Mx	-.004	2
46	MP1B	X	0	4
47	MP1B	Z	10.063	4
48	MP1B	Mx	-.004	4
49	MP1C	X	0	2
50	MP1C	Z	7.481	2
51	MP1C	Mx	.004	2
52	MP1C	X	0	4
53	MP1C	Z	7.481	4
54	MP1C	Mx	.004	4
55	OVP	X	0	1
56	OVP	Z	22.925	1
57	OVP	Mx	0	1
58	MP3A	X	0	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP3A	Z	12.787	3.5
60	MP3A	Mx	0	3.5
61	MP3B	X	0	3.5
62	MP3B	Z	10.501	3.5
63	MP3B	Mx	.004	3.5
64	MP3C	X	0	3.5
65	MP3C	Z	9.347	3.5
66	MP3C	Mx	-.004	3.5
67	MP2A	X	0	3.5
68	MP2A	Z	12.787	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	10.089	3.5
72	MP2B	Mx	.004	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	8.728	3.5
75	MP2C	Mx	-.004	3.5
76	MP3A	X	0	1
77	MP3A	Z	3.098	1
78	MP3A	Mx	0	1
79	MP3B	X	0	1
80	MP3B	Z	2.643	1
81	MP3B	Mx	.000675	1
82	MP3C	X	0	1
83	MP3C	Z	2.414	1
84	MP3C	Mx	-.000756	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-13.139	.5
2	MP3A	Z	22.758	.5
3	MP3A	Mx	.022	.5
4	MP3A	X	-13.139	5.5
5	MP3A	Z	22.758	5.5
6	MP3A	Mx	.022	5.5
7	MP3B	X	-9.871	.5
8	MP3B	Z	17.097	.5
9	MP3B	Mx	-.012	.5
10	MP3B	X	-9.871	5.5
11	MP3B	Z	17.097	5.5
12	MP3B	Mx	-.012	5.5
13	MP3C	X	-12.398	.5
14	MP3C	Z	21.474	.5
15	MP3C	Mx	-.005	.5
16	MP3C	X	-12.398	5.5
17	MP3C	Z	21.474	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-13.139	.5
20	MP3A	Z	22.758	.5
21	MP3A	Mx	-.009	.5
22	MP3A	X	-13.139	5.5
23	MP3A	Z	22.758	5.5
24	MP3A	Mx	-.009	5.5
25	MP3B	X	-9.871	.5
26	MP3B	Z	17.097	.5
27	MP3B	Mx	-.007	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
28	MP3B	X	-9.871	5.5
29	MP3B	Z	17.097	5.5
30	MP3B	Mx	-.007	5.5
31	MP3C	X	-12.398	.5
32	MP3C	Z	21.474	.5
33	MP3C	Mx	.021	.5
34	MP3C	X	-12.398	5.5
35	MP3C	Z	21.474	5.5
36	MP3C	Mx	.021	5.5
37	MP1A	X	-6.5	2
38	MP1A	Z	11.259	2
39	MP1A	Mx	.003	2
40	MP1A	X	-6.5	4
41	MP1A	Z	11.259	4
42	MP1A	Mx	.003	4
43	MP1B	X	-3.362	2
44	MP1B	Z	5.823	2
45	MP1B	Mx	-.003	2
46	MP1B	X	-3.362	4
47	MP1B	Z	5.823	4
48	MP1B	Mx	-.003	4
49	MP1C	X	-5.789	2
50	MP1C	Z	10.026	2
51	MP1C	Mx	.004	2
52	MP1C	X	-5.789	4
53	MP1C	Z	10.026	4
54	MP1C	Mx	.004	4
55	OVP	X	-10.364	1
56	OVP	Z	17.951	1
57	OVP	Mx	0	1
58	MP3A	X	-5.907	3.5
59	MP3A	Z	10.231	3.5
60	MP3A	Mx	-.003	3.5
61	MP3B	X	-4.504	3.5
62	MP3B	Z	7.802	3.5
63	MP3B	Mx	.004	3.5
64	MP3C	X	-5.589	3.5
65	MP3C	Z	9.68	3.5
66	MP3C	Mx	-.004	3.5
67	MP2A	X	-5.819	3.5
68	MP2A	Z	10.079	3.5
69	MP2A	Mx	-.003	3.5
70	MP2B	X	-4.164	3.5
71	MP2B	Z	7.213	3.5
72	MP2B	Mx	.004	3.5
73	MP2C	X	-5.444	3.5
74	MP2C	Z	9.429	3.5
75	MP2C	Mx	-.003	3.5
76	MP3A	X	-1.452	1
77	MP3A	Z	2.515	1
78	MP3A	Mx	-.000484	1
79	MP3B	X	-1.173	1
80	MP3B	Z	2.032	1
81	MP3B	Mx	.00077	1
82	MP3C	X	-1.389	1
83	MP3C	Z	2.406	1
84	MP3C	Mx	-.000595	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-18.826	.5
2	MP3A	Z	10.869	.5
3	MP3A	Mx	.017	.5
4	MP3A	X	-18.826	5.5
5	MP3A	Z	10.869	5.5
6	MP3A	Mx	.017	5.5
7	MP3B	X	-17.779	.5
8	MP3B	Z	10.265	.5
9	MP3B	Mx	-.005	.5
10	MP3B	X	-17.779	5.5
11	MP3B	Z	10.265	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	-24.487	.5
14	MP3C	Z	14.137	.5
15	MP3C	Mx	-.016	.5
16	MP3C	X	-24.487	5.5
17	MP3C	Z	14.137	5.5
18	MP3C	Mx	-.016	5.5
19	MP3A	X	-18.826	.5
20	MP3A	Z	10.869	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	-18.826	5.5
23	MP3A	Z	10.869	5.5
24	MP3A	Mx	.002	5.5
25	MP3B	X	-17.779	.5
26	MP3B	Z	10.265	.5
27	MP3B	Mx	-.014	.5
28	MP3B	X	-17.779	5.5
29	MP3B	Z	10.265	5.5
30	MP3B	Mx	-.014	5.5
31	MP3C	X	-24.487	.5
32	MP3C	Z	14.137	.5
33	MP3C	Mx	.021	.5
34	MP3C	X	-24.487	5.5
35	MP3C	Z	14.137	5.5
36	MP3C	Mx	.021	5.5
37	MP1A	X	-7.483	2
38	MP1A	Z	4.32	2
39	MP1A	Mx	.004	2
40	MP1A	X	-7.483	4
41	MP1A	Z	4.32	4
42	MP1A	Mx	.004	4
43	MP1B	X	-6.479	2
44	MP1B	Z	3.74	2
45	MP1B	Mx	-.004	2
46	MP1B	X	-6.479	4
47	MP1B	Z	3.74	4
48	MP1B	Mx	-.004	4
49	MP1C	X	-12.919	2
50	MP1C	Z	7.459	2
51	MP1C	Mx	.001	2
52	MP1C	X	-12.919	4
53	MP1C	Z	7.459	4
54	MP1C	Mx	.001	4
55	OVP	X	-18.382	1
56	OVP	Z	10.613	1
57	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3A	X	-8.544	3.5
59	MP3A	Z	4.933	3.5
60	MP3A	Mx	-.004	3.5
61	MP3B	X	-8.095	3.5
62	MP3B	Z	4.674	3.5
63	MP3B	Mx	.004	3.5
64	MP3C	X	-10.972	3.5
65	MP3C	Z	6.335	3.5
66	MP3C	Mx	-.001	3.5
67	MP2A	X	-8.088	3.5
68	MP2A	Z	4.67	3.5
69	MP2A	Mx	-.004	3.5
70	MP2B	X	-7.558	3.5
71	MP2B	Z	4.364	3.5
72	MP2B	Mx	.004	3.5
73	MP2C	X	-10.954	3.5
74	MP2C	Z	6.324	3.5
75	MP2C	Mx	-.001	3.5
76	MP3A	X	-2.18	1
77	MP3A	Z	1.258	1
78	MP3A	Mx	-.000727	1
79	MP3B	X	-2.091	1
80	MP3B	Z	1.207	1
81	MP3B	Mx	.000756	1
82	MP3C	X	-2.663	1
83	MP3C	Z	1.537	1
84	MP3C	Mx	-.000178	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-19.468	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.01	.5
4	MP3A	X	-19.468	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.01	5.5
7	MP3B	X	-24.797	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.005	.5
10	MP3B	X	-24.797	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	-27.486	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.022	.5
16	MP3C	X	-27.486	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.022	5.5
19	MP3A	X	-19.468	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.01	.5
22	MP3A	X	-19.468	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.01	5.5
25	MP3B	X	-24.797	.5
26	MP3B	Z	0	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	-.021	.5
28	MP3B	X	-24.797	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.021	5.5
31	MP3C	X	-27.486	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.013	.5
34	MP3C	X	-27.486	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.013	5.5
37	MP1A	X	-6.461	2
38	MP1A	Z	0	2
39	MP1A	Mx	.003	2
40	MP1A	X	-6.461	4
41	MP1A	Z	0	4
42	MP1A	Mx	.003	4
43	MP1B	X	-11.578	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.004	2
46	MP1B	X	-11.578	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.004	4
49	MP1C	X	-14.16	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.002	2
52	MP1C	X	-14.16	4
53	MP1C	Z	0	4
54	MP1C	Mx	-.002	4
55	OVP	X	-23.921	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP3A	X	-8.891	3.5
59	MP3A	Z	0	3.5
60	MP3A	Mx	-.004	3.5
61	MP3B	X	-11.177	3.5
62	MP3B	Z	0	3.5
63	MP3B	Mx	.004	3.5
64	MP3C	X	-12.331	3.5
65	MP3C	Z	0	3.5
66	MP3C	Mx	.002	3.5
67	MP2A	X	-8.19	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	-.004	3.5
70	MP2B	X	-10.888	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	.003	3.5
73	MP2C	X	-12.249	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.002	3.5
76	MP3A	X	-2.323	1
77	MP3A	Z	0	1
78	MP3A	Mx	-.000774	1
79	MP3B	X	-2.778	1
80	MP3B	Z	0	1
81	MP3B	Mx	.000595	1
82	MP3C	X	-3.007	1
83	MP3C	Z	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP3C	Mx	.000343	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-18.826	.5
2	MP3A	Z	-10.869	.5
3	MP3A	Mx	.002	.5
4	MP3A	X	-18.826	5.5
5	MP3A	Z	-10.869	5.5
6	MP3A	Mx	.002	5.5
7	MP3B	X	-24.487	.5
8	MP3B	Z	-14.137	.5
9	MP3B	Mx	.016	.5
10	MP3B	X	-24.487	5.5
11	MP3B	Z	-14.137	5.5
12	MP3B	Mx	.016	5.5
13	MP3C	X	-20.109	.5
14	MP3C	Z	-11.61	.5
15	MP3C	Mx	-.019	.5
16	MP3C	X	-20.109	5.5
17	MP3C	Z	-11.61	5.5
18	MP3C	Mx	-.019	5.5
19	MP3A	X	-18.826	.5
20	MP3A	Z	-10.869	.5
21	MP3A	Mx	.017	.5
22	MP3A	X	-18.826	5.5
23	MP3A	Z	-10.869	5.5
24	MP3A	Mx	.017	5.5
25	MP3B	X	-24.487	.5
26	MP3B	Z	-14.137	.5
27	MP3B	Mx	-.021	.5
28	MP3B	X	-24.487	5.5
29	MP3B	Z	-14.137	5.5
30	MP3B	Mx	-.021	5.5
31	MP3C	X	-20.109	.5
32	MP3C	Z	-11.61	.5
33	MP3C	Mx	.001	.5
34	MP3C	X	-20.109	5.5
35	MP3C	Z	-11.61	5.5
36	MP3C	Mx	.001	5.5
37	MP1A	X	-7.483	2
38	MP1A	Z	-4.32	2
39	MP1A	Mx	.004	2
40	MP1A	X	-7.483	4
41	MP1A	Z	-4.32	4
42	MP1A	Mx	.004	4
43	MP1B	X	-12.919	2
44	MP1B	Z	-7.459	2
45	MP1B	Mx	-.001	2
46	MP1B	X	-12.919	4
47	MP1B	Z	-7.459	4
48	MP1B	Mx	-.001	4
49	MP1C	X	-8.715	2
50	MP1C	Z	-5.032	2
51	MP1C	Mx	-.004	2
52	MP1C	X	-8.715	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP1C	Z	-5.032	4
54	MP1C	Mx	-.004	4
55	OVP	X	-22.619	1
56	OVP	Z	-13.059	1
57	OVP	Mx	0	1
58	MP3A	X	-8.544	3.5
59	MP3A	Z	-4.933	3.5
60	MP3A	Mx	-.004	3.5
61	MP3B	X	-10.972	3.5
62	MP3B	Z	-6.335	3.5
63	MP3B	Mx	.001	3.5
64	MP3C	X	-9.094	3.5
65	MP3C	Z	-5.25	3.5
66	MP3C	Mx	.004	3.5
67	MP2A	X	-8.088	3.5
68	MP2A	Z	-4.67	3.5
69	MP2A	Mx	-.004	3.5
70	MP2B	X	-10.954	3.5
71	MP2B	Z	-6.324	3.5
72	MP2B	Mx	.001	3.5
73	MP2C	X	-8.738	3.5
74	MP2C	Z	-5.045	3.5
75	MP2C	Mx	.004	3.5
76	MP3A	X	-2.18	1
77	MP3A	Z	-1.258	1
78	MP3A	Mx	-.000727	1
79	MP3B	X	-2.663	1
80	MP3B	Z	-1.537	1
81	MP3B	Mx	.000178	1
82	MP3C	X	-2.289	1
83	MP3C	Z	-1.322	1
84	MP3C	Mx	.000675	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-13.139	.5
2	MP3A	Z	-22.758	.5
3	MP3A	Mx	-.009	.5
4	MP3A	X	-13.139	5.5
5	MP3A	Z	-22.758	5.5
6	MP3A	Mx	-.009	5.5
7	MP3B	X	-13.743	.5
8	MP3B	Z	-23.804	.5
9	MP3B	Mx	.022	.5
10	MP3B	X	-13.743	5.5
11	MP3B	Z	-23.804	5.5
12	MP3B	Mx	.022	5.5
13	MP3C	X	-9.871	.5
14	MP3C	Z	-17.097	.5
15	MP3C	Mx	-.012	.5
16	MP3C	X	-9.871	5.5
17	MP3C	Z	-17.097	5.5
18	MP3C	Mx	-.012	5.5
19	MP3A	X	-13.139	.5
20	MP3A	Z	-22.758	.5
21	MP3A	Mx	.022	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
22	MP3A	X	-13.139	5.5
23	MP3A	Z	-22.758	5.5
24	MP3A	Mx	.022	5.5
25	MP3B	X	-13.743	.5
26	MP3B	Z	-23.804	.5
27	MP3B	Mx	-.013	.5
28	MP3B	X	-13.743	5.5
29	MP3B	Z	-23.804	5.5
30	MP3B	Mx	-.013	5.5
31	MP3C	X	-9.871	.5
32	MP3C	Z	-17.097	.5
33	MP3C	Mx	-.007	.5
34	MP3C	X	-9.871	5.5
35	MP3C	Z	-17.097	5.5
36	MP3C	Mx	-.007	5.5
37	MP1A	X	-6.5	2
38	MP1A	Z	-11.259	2
39	MP1A	Mx	.003	2
40	MP1A	X	-6.5	4
41	MP1A	Z	-11.259	4
42	MP1A	Mx	.003	4
43	MP1B	X	-7.08	2
44	MP1B	Z	-12.263	2
45	MP1B	Mx	.002	2
46	MP1B	X	-7.08	4
47	MP1B	Z	-12.263	4
48	MP1B	Mx	.002	4
49	MP1C	X	-3.362	2
50	MP1C	Z	-5.823	2
51	MP1C	Mx	-.003	2
52	MP1C	X	-3.362	4
53	MP1C	Z	-5.823	4
54	MP1C	Mx	-.003	4
55	OVP	X	-12.81	1
56	OVP	Z	-22.188	1
57	OVP	Mx	0	1
58	MP3A	X	-5.907	3.5
59	MP3A	Z	-10.231	3.5
60	MP3A	Mx	-.003	3.5
61	MP3B	X	-6.166	3.5
62	MP3B	Z	-10.679	3.5
63	MP3B	Mx	-.002	3.5
64	MP3C	X	-4.504	3.5
65	MP3C	Z	-7.802	3.5
66	MP3C	Mx	.004	3.5
67	MP2A	X	-5.819	3.5
68	MP2A	Z	-10.079	3.5
69	MP2A	Mx	-.003	3.5
70	MP2B	X	-6.125	3.5
71	MP2B	Z	-10.608	3.5
72	MP2B	Mx	-.002	3.5
73	MP2C	X	-4.164	3.5
74	MP2C	Z	-7.213	3.5
75	MP2C	Mx	.004	3.5
76	MP3A	X	-1.452	1
77	MP3A	Z	-2.515	1
78	MP3A	Mx	-.000484	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
79	MP3B	X	-1.504	1
80	MP3B	Z	-2.604	1
81	MP3B	Mx	-.000343	1
82	MP3C	X	-1.173	1
83	MP3C	Z	-2.032	1
84	MP3C	Mx	.00077	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	-9.387	.5
3	MP3A	Mx	-.006	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-9.387	5.5
6	MP3A	Mx	-.006	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-7.496	.5
9	MP3B	Mx	.006	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-7.496	5.5
12	MP3B	Mx	.006	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-6.542	.5
15	MP3C	Mx	-.002	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-6.542	5.5
18	MP3C	Mx	-.002	5.5
19	MP3A	X	0	.5
20	MP3A	Z	-9.387	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-9.387	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-7.496	.5
27	MP3B	Mx	-.000341	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-7.496	5.5
30	MP3B	Mx	-.000341	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-6.542	.5
33	MP3C	Mx	-.005	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-6.542	5.5
36	MP3C	Mx	-.005	5.5
37	MP1A	X	0	2
38	MP1A	Z	-4.843	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	-4.843	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	-3.114	2
45	MP1B	Mx	.001	2
46	MP1B	X	0	4
47	MP1B	Z	-3.114	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP1B	Mx	.001	4
49	MP1C	X	0	2
50	MP1C	Z	-2.241	2
51	MP1C	Mx	-.001	2
52	MP1C	X	0	4
53	MP1C	Z	-2.241	4
54	MP1C	Mx	-.001	4
55	OVP	X	0	1
56	OVP	Z	-7.203	1
57	OVP	Mx	0	1
58	MP3A	X	0	3.5
59	MP3A	Z	-3.854	3.5
60	MP3A	Mx	0	3.5
61	MP3B	X	0	3.5
62	MP3B	Z	-3.104	3.5
63	MP3B	Mx	-.001	3.5
64	MP3C	X	0	3.5
65	MP3C	Z	-2.726	3.5
66	MP3C	Mx	.001	3.5
67	MP2A	X	0	3.5
68	MP2A	Z	-3.854	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	-2.968	3.5
72	MP2B	Mx	-.001	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	-2.521	3.5
75	MP2C	Mx	.001	3.5
76	MP3A	X	0	1
77	MP3A	Z	-.763	1
78	MP3A	Mx	0	1
79	MP3B	X	0	1
80	MP3B	Z	-.625	1
81	MP3B	Mx	-.00016	1
82	MP3C	X	0	1
83	MP3C	Z	-.555	1
84	MP3C	Mx	.000174	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	4.291	.5
2	MP3A	Z	-7.432	.5
3	MP3A	Mx	-.007	.5
4	MP3A	X	4.291	5.5
5	MP3A	Z	-7.432	5.5
6	MP3A	Mx	-.007	5.5
7	MP3B	X	3.131	.5
8	MP3B	Z	-5.423	.5
9	MP3B	Mx	.004	.5
10	MP3B	X	3.131	5.5
11	MP3B	Z	-5.423	5.5
12	MP3B	Mx	.004	5.5
13	MP3C	X	4.028	.5
14	MP3C	Z	-6.977	.5
15	MP3C	Mx	.002	.5
16	MP3C	X	4.028	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
17	MP3C	Z	-6.977	5.5
18	MP3C	Mx	.002	5.5
19	MP3A	X	4.291	.5
20	MP3A	Z	-7.432	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	4.291	5.5
23	MP3A	Z	-7.432	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	3.131	.5
26	MP3B	Z	-5.423	.5
27	MP3B	Mx	.002	.5
28	MP3B	X	3.131	5.5
29	MP3B	Z	-5.423	5.5
30	MP3B	Mx	.002	5.5
31	MP3C	X	4.028	.5
32	MP3C	Z	-6.977	.5
33	MP3C	Mx	-.007	.5
34	MP3C	X	4.028	5.5
35	MP3C	Z	-6.977	5.5
36	MP3C	Mx	-.007	5.5
37	MP1A	X	2.053	2
38	MP1A	Z	-3.556	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.053	4
41	MP1A	Z	-3.556	4
42	MP1A	Mx	-.001	4
43	MP1B	X	.992	2
44	MP1B	Z	-1.719	2
45	MP1B	Mx	.000977	2
46	MP1B	X	.992	4
47	MP1B	Z	-1.719	4
48	MP1B	Mx	.000977	4
49	MP1C	X	1.813	2
50	MP1C	Z	-3.14	2
51	MP1C	Mx	-.001	2
52	MP1C	X	1.813	4
53	MP1C	Z	-3.14	4
54	MP1C	Mx	-.001	4
55	OVP	X	3.222	1
56	OVP	Z	-5.58	1
57	OVP	Mx	0	1
58	MP3A	X	1.767	3.5
59	MP3A	Z	-3.061	3.5
60	MP3A	Mx	.000884	3.5
61	MP3B	X	1.307	3.5
62	MP3B	Z	-2.264	3.5
63	MP3B	Mx	-.001	3.5
64	MP3C	X	1.663	3.5
65	MP3C	Z	-2.88	3.5
66	MP3C	Mx	.001	3.5
67	MP2A	X	1.738	3.5
68	MP2A	Z	-3.011	3.5
69	MP2A	Mx	.000869	3.5
70	MP2B	X	1.195	3.5
71	MP2B	Z	-2.07	3.5
72	MP2B	Mx	-.001	3.5
73	MP2C	X	1.615	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	MP2C	Z	-2.797	3.5
75	MP2C	Mx	.001	3.5
76	MP3A	X	.352	1
77	MP3A	Z	-.609	1
78	MP3A	Mx	.000117	1
79	MP3B	X	.267	1
80	MP3B	Z	-.463	1
81	MP3B	Mx	-.000175	1
82	MP3C	X	.333	1
83	MP3C	Z	-.576	1
84	MP3C	Mx	.000142	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.037	.5
2	MP3A	Z	-3.485	.5
3	MP3A	Mx	-.005	.5
4	MP3A	X	6.037	5.5
5	MP3A	Z	-3.485	5.5
6	MP3A	Mx	-.005	5.5
7	MP3B	X	5.666	.5
8	MP3B	Z	-3.271	.5
9	MP3B	Mx	.002	.5
10	MP3B	X	5.666	5.5
11	MP3B	Z	-3.271	5.5
12	MP3B	Mx	.002	5.5
13	MP3C	X	8.045	.5
14	MP3C	Z	-4.645	.5
15	MP3C	Mx	.005	.5
16	MP3C	X	8.045	5.5
17	MP3C	Z	-4.645	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	6.037	.5
20	MP3A	Z	-3.485	.5
21	MP3A	Mx	-.000695	.5
22	MP3A	X	6.037	5.5
23	MP3A	Z	-3.485	5.5
24	MP3A	Mx	-.000695	5.5
25	MP3B	X	5.666	.5
26	MP3B	Z	-3.271	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	5.666	5.5
29	MP3B	Z	-3.271	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	8.045	.5
32	MP3C	Z	-4.645	.5
33	MP3C	Mx	-.007	.5
34	MP3C	X	8.045	5.5
35	MP3C	Z	-4.645	5.5
36	MP3C	Mx	-.007	5.5
37	MP1A	X	2.28	2
38	MP1A	Z	-1.316	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.28	4
41	MP1A	Z	-1.316	4
42	MP1A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP1B	X	1.941	2
44	MP1B	Z	-1.12	2
45	MP1B	Mx	.001	2
46	MP1B	X	1.941	4
47	MP1B	Z	-1.12	4
48	MP1B	Mx	.001	4
49	MP1C	X	4.117	2
50	MP1C	Z	-2.377	2
51	MP1C	Mx	-.000413	2
52	MP1C	X	4.117	4
53	MP1C	Z	-2.377	4
54	MP1C	Mx	-.000413	4
55	OVP	X	5.729	1
56	OVP	Z	-3.308	1
57	OVP	Mx	0	1
58	MP3A	X	2.508	3.5
59	MP3A	Z	-1.448	3.5
60	MP3A	Mx	.001	3.5
61	MP3B	X	2.36	3.5
62	MP3B	Z	-1.363	3.5
63	MP3B	Mx	-.001	3.5
64	MP3C	X	3.304	3.5
65	MP3C	Z	-1.908	3.5
66	MP3C	Mx	.000331	3.5
67	MP2A	X	2.357	3.5
68	MP2A	Z	-1.361	3.5
69	MP2A	Mx	.001	3.5
70	MP2B	X	2.183	3.5
71	MP2B	Z	-1.26	3.5
72	MP2B	Mx	-.001	3.5
73	MP2C	X	3.298	3.5
74	MP2C	Z	-1.904	3.5
75	MP2C	Mx	.000331	3.5
76	MP3A	X	.508	1
77	MP3A	Z	-.293	1
78	MP3A	Mx	.000169	1
79	MP3B	X	.481	1
80	MP3B	Z	-.278	1
81	MP3B	Mx	-.000174	1
82	MP3C	X	.654	1
83	MP3C	Z	-.378	1
84	MP3C	Mx	4.4e-5	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.165	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	6.165	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	8.056	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.002	.5
10	MP3B	X	8.056	5.5
11	MP3B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
12	MP3B	Mx	-.002	5.5
13	MP3C	X	9.01	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.007	.5
16	MP3C	X	9.01	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.007	5.5
19	MP3A	X	6.165	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	6.165	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	8.056	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	8.056	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.007	5.5
31	MP3C	X	9.01	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.004	.5
34	MP3C	X	9.01	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.004	5.5
37	MP1A	X	1.896	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.000948	2
40	MP1A	X	1.896	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.000948	4
43	MP1B	X	3.625	2
44	MP1B	Z	0	2
45	MP1B	Mx	.001	2
46	MP1B	X	3.625	4
47	MP1B	Z	0	4
48	MP1B	Mx	.001	4
49	MP1C	X	4.498	2
50	MP1C	Z	0	2
51	MP1C	Mx	.000769	2
52	MP1C	X	4.498	4
53	MP1C	Z	0	4
54	MP1C	Mx	.000769	4
55	OVP	X	7.547	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP3A	X	2.576	3.5
59	MP3A	Z	0	3.5
60	MP3A	Mx	.001	3.5
61	MP3B	X	3.326	3.5
62	MP3B	Z	0	3.5
63	MP3B	Mx	-.001	3.5
64	MP3C	X	3.704	3.5
65	MP3C	Z	0	3.5
66	MP3C	Mx	-.000633	3.5
67	MP2A	X	2.344	3.5
68	MP2A	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP2A	Mx	.001	3.5
70	MP2B	X	3.23	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	-.001	3.5
73	MP2C	X	3.677	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.000629	3.5
76	MP3A	X	.528	1
77	MP3A	Z	0	1
78	MP3A	Mx	.000176	1
79	MP3B	X	.665	1
80	MP3B	Z	0	1
81	MP3B	Mx	-.000142	1
82	MP3C	X	.735	1
83	MP3C	Z	0	1
84	MP3C	Mx	-8.4e-5	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.037	.5
2	MP3A	Z	3.485	.5
3	MP3A	Mx	-.000695	.5
4	MP3A	X	6.037	5.5
5	MP3A	Z	3.485	5.5
6	MP3A	Mx	-.000695	5.5
7	MP3B	X	8.045	.5
8	MP3B	Z	4.645	.5
9	MP3B	Mx	-.005	.5
10	MP3B	X	8.045	5.5
11	MP3B	Z	4.645	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	6.492	.5
14	MP3C	Z	3.748	.5
15	MP3C	Mx	.006	.5
16	MP3C	X	6.492	5.5
17	MP3C	Z	3.748	5.5
18	MP3C	Mx	.006	5.5
19	MP3A	X	6.037	.5
20	MP3A	Z	3.485	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	6.037	5.5
23	MP3A	Z	3.485	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	8.045	.5
26	MP3B	Z	4.645	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	8.045	5.5
29	MP3B	Z	4.645	5.5
30	MP3B	Mx	.007	5.5
31	MP3C	X	6.492	.5
32	MP3C	Z	3.748	.5
33	MP3C	Mx	-.000341	.5
34	MP3C	X	6.492	5.5
35	MP3C	Z	3.748	5.5
36	MP3C	Mx	-.000341	5.5
37	MP1A	X	2.28	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP1A	Z	1.316	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.28	4
41	MP1A	Z	1.316	4
42	MP1A	Mx	-.001	4
43	MP1B	X	4.117	2
44	MP1B	Z	2.377	2
45	MP1B	Mx	.000413	2
46	MP1B	X	4.117	4
47	MP1B	Z	2.377	4
48	MP1B	Mx	.000413	4
49	MP1C	X	2.696	2
50	MP1C	Z	1.557	2
51	MP1C	Mx	.001	2
52	MP1C	X	2.696	4
53	MP1C	Z	1.557	4
54	MP1C	Mx	.001	4
55	OVP	X	7.194	1
56	OVP	Z	4.154	1
57	OVP	Mx	0	1
58	MP3A	X	2.508	3.5
59	MP3A	Z	1.448	3.5
60	MP3A	Mx	.001	3.5
61	MP3B	X	3.304	3.5
62	MP3B	Z	1.908	3.5
63	MP3B	Mx	-.000331	3.5
64	MP3C	X	2.688	3.5
65	MP3C	Z	1.552	3.5
66	MP3C	Mx	-.001	3.5
67	MP2A	X	2.357	3.5
68	MP2A	Z	1.361	3.5
69	MP2A	Mx	.001	3.5
70	MP2B	X	3.298	3.5
71	MP2B	Z	1.904	3.5
72	MP2B	Mx	-.000331	3.5
73	MP2C	X	2.57	3.5
74	MP2C	Z	1.484	3.5
75	MP2C	Mx	-.001	3.5
76	MP3A	X	.508	1
77	MP3A	Z	.293	1
78	MP3A	Mx	.000169	1
79	MP3B	X	.654	1
80	MP3B	Z	.378	1
81	MP3B	Mx	-4.4e-5	1
82	MP3C	X	.541	1
83	MP3C	Z	.312	1
84	MP3C	Mx	-.000159	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	4.291	.5
2	MP3A	Z	7.432	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	4.291	5.5
5	MP3A	Z	7.432	5.5
6	MP3A	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP3B	X	4.505	.5
8	MP3B	Z	7.803	.5
9	MP3B	Mx	-.007	.5
10	MP3B	X	4.505	5.5
11	MP3B	Z	7.803	5.5
12	MP3B	Mx	-.007	5.5
13	MP3C	X	3.131	.5
14	MP3C	Z	5.423	.5
15	MP3C	Mx	.004	.5
16	MP3C	X	3.131	5.5
17	MP3C	Z	5.423	5.5
18	MP3C	Mx	.004	5.5
19	MP3A	X	4.291	.5
20	MP3A	Z	7.432	.5
21	MP3A	Mx	-.007	.5
22	MP3A	X	4.291	5.5
23	MP3A	Z	7.432	5.5
24	MP3A	Mx	-.007	5.5
25	MP3B	X	4.505	.5
26	MP3B	Z	7.803	.5
27	MP3B	Mx	.004	.5
28	MP3B	X	4.505	5.5
29	MP3B	Z	7.803	5.5
30	MP3B	Mx	.004	5.5
31	MP3C	X	3.131	.5
32	MP3C	Z	5.423	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	3.131	5.5
35	MP3C	Z	5.423	5.5
36	MP3C	Mx	.002	5.5
37	MP1A	X	2.053	2
38	MP1A	Z	3.556	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.053	4
41	MP1A	Z	3.556	4
42	MP1A	Mx	-.001	4
43	MP1B	X	2.249	2
44	MP1B	Z	3.896	2
45	MP1B	Mx	-.000769	2
46	MP1B	X	2.249	4
47	MP1B	Z	3.896	4
48	MP1B	Mx	-.000769	4
49	MP1C	X	.992	2
50	MP1C	Z	1.719	2
51	MP1C	Mx	.000977	2
52	MP1C	X	.992	4
53	MP1C	Z	1.719	4
54	MP1C	Mx	.000977	4
55	OVP	X	4.067	1
56	OVP	Z	7.045	1
57	OVP	Mx	0	1
58	MP3A	X	1.767	3.5
59	MP3A	Z	3.061	3.5
60	MP3A	Mx	.000884	3.5
61	MP3B	X	1.852	3.5
62	MP3B	Z	3.208	3.5
63	MP3B	Mx	.000634	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP3C	X	1.307	3.5
65	MP3C	Z	2.264	3.5
66	MP3C	Mx	-.001	3.5
67	MP2A	X	1.738	3.5
68	MP2A	Z	3.011	3.5
69	MP2A	Mx	.000869	3.5
70	MP2B	X	1.839	3.5
71	MP2B	Z	3.185	3.5
72	MP2B	Mx	.000629	3.5
73	MP2C	X	1.195	3.5
74	MP2C	Z	2.07	3.5
75	MP2C	Mx	-.001	3.5
76	MP3A	X	.352	1
77	MP3A	Z	.609	1
78	MP3A	Mx	.000117	1
79	MP3B	X	.368	1
80	MP3B	Z	.637	1
81	MP3B	Mx	8.4e-5	1
82	MP3C	X	.267	1
83	MP3C	Z	.463	1
84	MP3C	Mx	-.000175	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	9.387	.5
3	MP3A	Mx	.006	.5
4	MP3A	X	0	5.5
5	MP3A	Z	9.387	5.5
6	MP3A	Mx	.006	5.5
7	MP3B	X	0	.5
8	MP3B	Z	7.496	.5
9	MP3B	Mx	-.006	.5
10	MP3B	X	0	5.5
11	MP3B	Z	7.496	5.5
12	MP3B	Mx	-.006	5.5
13	MP3C	X	0	.5
14	MP3C	Z	6.542	.5
15	MP3C	Mx	.002	.5
16	MP3C	X	0	5.5
17	MP3C	Z	6.542	5.5
18	MP3C	Mx	.002	5.5
19	MP3A	X	0	.5
20	MP3A	Z	9.387	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	0	5.5
23	MP3A	Z	9.387	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	0	.5
26	MP3B	Z	7.496	.5
27	MP3B	Mx	.000341	.5
28	MP3B	X	0	5.5
29	MP3B	Z	7.496	5.5
30	MP3B	Mx	.000341	5.5
31	MP3C	X	0	.5
32	MP3C	Z	6.542	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	MP3C	Mx	.005	.5
34	MP3C	X	0	5.5
35	MP3C	Z	6.542	5.5
36	MP3C	Mx	.005	5.5
37	MP1A	X	0	2
38	MP1A	Z	4.843	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	4.843	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	3.114	2
45	MP1B	Mx	-.001	2
46	MP1B	X	0	4
47	MP1B	Z	3.114	4
48	MP1B	Mx	-.001	4
49	MP1C	X	0	2
50	MP1C	Z	2.241	2
51	MP1C	Mx	.001	2
52	MP1C	X	0	4
53	MP1C	Z	2.241	4
54	MP1C	Mx	.001	4
55	OVP	X	0	1
56	OVP	Z	7.203	1
57	OVP	Mx	0	1
58	MP3A	X	0	3.5
59	MP3A	Z	3.854	3.5
60	MP3A	Mx	0	3.5
61	MP3B	X	0	3.5
62	MP3B	Z	3.104	3.5
63	MP3B	Mx	.001	3.5
64	MP3C	X	0	3.5
65	MP3C	Z	2.726	3.5
66	MP3C	Mx	-.001	3.5
67	MP2A	X	0	3.5
68	MP2A	Z	3.854	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	2.968	3.5
72	MP2B	Mx	.001	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	2.521	3.5
75	MP2C	Mx	-.001	3.5
76	MP3A	X	0	1
77	MP3A	Z	.763	1
78	MP3A	Mx	0	1
79	MP3B	X	0	1
80	MP3B	Z	.625	1
81	MP3B	Mx	.00016	1
82	MP3C	X	0	1
83	MP3C	Z	.555	1
84	MP3C	Mx	-.000174	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.291	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
2	MP3A	Z	7.432	.5
3	MP3A	Mx	.007	.5
4	MP3A	X	-4.291	5.5
5	MP3A	Z	7.432	5.5
6	MP3A	Mx	.007	5.5
7	MP3B	X	-3.131	.5
8	MP3B	Z	5.423	.5
9	MP3B	Mx	-.004	.5
10	MP3B	X	-3.131	5.5
11	MP3B	Z	5.423	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	-4.028	.5
14	MP3C	Z	6.977	.5
15	MP3C	Mx	-.002	.5
16	MP3C	X	-4.028	5.5
17	MP3C	Z	6.977	5.5
18	MP3C	Mx	-.002	5.5
19	MP3A	X	-4.291	.5
20	MP3A	Z	7.432	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	-4.291	5.5
23	MP3A	Z	7.432	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	-3.131	.5
26	MP3B	Z	5.423	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	-3.131	5.5
29	MP3B	Z	5.423	5.5
30	MP3B	Mx	-.002	5.5
31	MP3C	X	-4.028	.5
32	MP3C	Z	6.977	.5
33	MP3C	Mx	.007	.5
34	MP3C	X	-4.028	5.5
35	MP3C	Z	6.977	5.5
36	MP3C	Mx	.007	5.5
37	MP1A	X	-2.053	2
38	MP1A	Z	3.556	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.053	4
41	MP1A	Z	3.556	4
42	MP1A	Mx	.001	4
43	MP1B	X	-.992	2
44	MP1B	Z	1.719	2
45	MP1B	Mx	-.000977	2
46	MP1B	X	-.992	4
47	MP1B	Z	1.719	4
48	MP1B	Mx	-.000977	4
49	MP1C	X	-1.813	2
50	MP1C	Z	3.14	2
51	MP1C	Mx	.001	2
52	MP1C	X	-1.813	4
53	MP1C	Z	3.14	4
54	MP1C	Mx	.001	4
55	OVP	X	-3.222	1
56	OVP	Z	5.58	1
57	OVP	Mx	0	1
58	MP3A	X	-1.767	3.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP3A	Z	3.061	3.5
60	MP3A	Mx	-.000884	3.5
61	MP3B	X	-1.307	3.5
62	MP3B	Z	2.264	3.5
63	MP3B	Mx	.001	3.5
64	MP3C	X	-1.663	3.5
65	MP3C	Z	2.88	3.5
66	MP3C	Mx	-.001	3.5
67	MP2A	X	-1.738	3.5
68	MP2A	Z	3.011	3.5
69	MP2A	Mx	-.000869	3.5
70	MP2B	X	-1.195	3.5
71	MP2B	Z	2.07	3.5
72	MP2B	Mx	.001	3.5
73	MP2C	X	-1.615	3.5
74	MP2C	Z	2.797	3.5
75	MP2C	Mx	-.001	3.5
76	MP3A	X	-.352	1
77	MP3A	Z	.609	1
78	MP3A	Mx	-.000117	1
79	MP3B	X	-.267	1
80	MP3B	Z	.463	1
81	MP3B	Mx	.000175	1
82	MP3C	X	-.333	1
83	MP3C	Z	.576	1
84	MP3C	Mx	-.000142	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.037	.5
2	MP3A	Z	3.485	.5
3	MP3A	Mx	.005	.5
4	MP3A	X	-6.037	5.5
5	MP3A	Z	3.485	5.5
6	MP3A	Mx	.005	5.5
7	MP3B	X	-5.666	.5
8	MP3B	Z	3.271	.5
9	MP3B	Mx	-.002	.5
10	MP3B	X	-5.666	5.5
11	MP3B	Z	3.271	5.5
12	MP3B	Mx	-.002	5.5
13	MP3C	X	-8.045	.5
14	MP3C	Z	4.645	.5
15	MP3C	Mx	-.005	.5
16	MP3C	X	-8.045	5.5
17	MP3C	Z	4.645	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-6.037	.5
20	MP3A	Z	3.485	.5
21	MP3A	Mx	.000695	.5
22	MP3A	X	-6.037	5.5
23	MP3A	Z	3.485	5.5
24	MP3A	Mx	.000695	5.5
25	MP3B	X	-5.666	.5
26	MP3B	Z	3.271	.5
27	MP3B	Mx	-.005	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
28	MP3B	X	-5.666	5.5
29	MP3B	Z	3.271	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-8.045	.5
32	MP3C	Z	4.645	.5
33	MP3C	Mx	.007	.5
34	MP3C	X	-8.045	5.5
35	MP3C	Z	4.645	5.5
36	MP3C	Mx	.007	5.5
37	MP1A	X	-2.28	2
38	MP1A	Z	1.316	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.28	4
41	MP1A	Z	1.316	4
42	MP1A	Mx	.001	4
43	MP1B	X	-1.941	2
44	MP1B	Z	1.12	2
45	MP1B	Mx	-.001	2
46	MP1B	X	-1.941	4
47	MP1B	Z	1.12	4
48	MP1B	Mx	-.001	4
49	MP1C	X	-4.117	2
50	MP1C	Z	2.377	2
51	MP1C	Mx	.000413	2
52	MP1C	X	-4.117	4
53	MP1C	Z	2.377	4
54	MP1C	Mx	.000413	4
55	OVP	X	-5.729	1
56	OVP	Z	3.308	1
57	OVP	Mx	0	1
58	MP3A	X	-2.508	3.5
59	MP3A	Z	1.448	3.5
60	MP3A	Mx	-.001	3.5
61	MP3B	X	-2.36	3.5
62	MP3B	Z	1.363	3.5
63	MP3B	Mx	.001	3.5
64	MP3C	X	-3.304	3.5
65	MP3C	Z	1.908	3.5
66	MP3C	Mx	-.000331	3.5
67	MP2A	X	-2.357	3.5
68	MP2A	Z	1.361	3.5
69	MP2A	Mx	-.001	3.5
70	MP2B	X	-2.183	3.5
71	MP2B	Z	1.26	3.5
72	MP2B	Mx	.001	3.5
73	MP2C	X	-3.298	3.5
74	MP2C	Z	1.904	3.5
75	MP2C	Mx	-.000331	3.5
76	MP3A	X	-.508	1
77	MP3A	Z	.293	1
78	MP3A	Mx	-.000169	1
79	MP3B	X	-.481	1
80	MP3B	Z	.278	1
81	MP3B	Mx	.000174	1
82	MP3C	X	-.654	1
83	MP3C	Z	.378	1
84	MP3C	Mx	-4.4e-5	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.165	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	-6.165	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	-8.056	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.002	.5
10	MP3B	X	-8.056	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.002	5.5
13	MP3C	X	-9.01	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.007	.5
16	MP3C	X	-9.01	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.007	5.5
19	MP3A	X	-6.165	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-6.165	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	-8.056	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.007	.5
28	MP3B	X	-8.056	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.007	5.5
31	MP3C	X	-9.01	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.004	.5
34	MP3C	X	-9.01	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.004	5.5
37	MP1A	X	-1.896	2
38	MP1A	Z	0	2
39	MP1A	Mx	.000948	2
40	MP1A	X	-1.896	4
41	MP1A	Z	0	4
42	MP1A	Mx	.000948	4
43	MP1B	X	-3.625	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.001	2
46	MP1B	X	-3.625	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.001	4
49	MP1C	X	-4.498	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.000769	2
52	MP1C	X	-4.498	4
53	MP1C	Z	0	4
54	MP1C	Mx	-.000769	4
55	OVP	X	-7.547	1
56	OVP	Z	0	1
57	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3A	X	-2.576	3.5
59	MP3A	Z	0	3.5
60	MP3A	Mx	-.001	3.5
61	MP3B	X	-3.326	3.5
62	MP3B	Z	0	3.5
63	MP3B	Mx	.001	3.5
64	MP3C	X	-3.704	3.5
65	MP3C	Z	0	3.5
66	MP3C	Mx	.000633	3.5
67	MP2A	X	-2.344	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	-.001	3.5
70	MP2B	X	-3.23	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	.001	3.5
73	MP2C	X	-3.677	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.000629	3.5
76	MP3A	X	-.528	1
77	MP3A	Z	0	1
78	MP3A	Mx	-.000176	1
79	MP3B	X	-.665	1
80	MP3B	Z	0	1
81	MP3B	Mx	.000142	1
82	MP3C	X	-.735	1
83	MP3C	Z	0	1
84	MP3C	Mx	8.4e-5	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-6.037	.5
2	MP3A	Z	-3.485	.5
3	MP3A	Mx	.000695	.5
4	MP3A	X	-6.037	5.5
5	MP3A	Z	-3.485	5.5
6	MP3A	Mx	.000695	5.5
7	MP3B	X	-8.045	.5
8	MP3B	Z	-4.645	.5
9	MP3B	Mx	.005	.5
10	MP3B	X	-8.045	5.5
11	MP3B	Z	-4.645	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	-6.492	.5
14	MP3C	Z	-3.748	.5
15	MP3C	Mx	-.006	.5
16	MP3C	X	-6.492	5.5
17	MP3C	Z	-3.748	5.5
18	MP3C	Mx	-.006	5.5
19	MP3A	X	-6.037	.5
20	MP3A	Z	-3.485	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-6.037	5.5
23	MP3A	Z	-3.485	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-8.045	.5
26	MP3B	Z	-4.645	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	-.007	.5
28	MP3B	X	-8.045	5.5
29	MP3B	Z	-4.645	5.5
30	MP3B	Mx	-.007	5.5
31	MP3C	X	-6.492	.5
32	MP3C	Z	-3.748	.5
33	MP3C	Mx	.000341	.5
34	MP3C	X	-6.492	5.5
35	MP3C	Z	-3.748	5.5
36	MP3C	Mx	.000341	5.5
37	MP1A	X	-2.28	2
38	MP1A	Z	-1.316	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.28	4
41	MP1A	Z	-1.316	4
42	MP1A	Mx	.001	4
43	MP1B	X	-4.117	2
44	MP1B	Z	-2.377	2
45	MP1B	Mx	-.000413	2
46	MP1B	X	-4.117	4
47	MP1B	Z	-2.377	4
48	MP1B	Mx	-.000413	4
49	MP1C	X	-2.696	2
50	MP1C	Z	-1.557	2
51	MP1C	Mx	-.001	2
52	MP1C	X	-2.696	4
53	MP1C	Z	-1.557	4
54	MP1C	Mx	-.001	4
55	OVP	X	-7.194	1
56	OVP	Z	-4.154	1
57	OVP	Mx	0	1
58	MP3A	X	-2.508	3.5
59	MP3A	Z	-1.448	3.5
60	MP3A	Mx	-.001	3.5
61	MP3B	X	-3.304	3.5
62	MP3B	Z	-1.908	3.5
63	MP3B	Mx	.000331	3.5
64	MP3C	X	-2.688	3.5
65	MP3C	Z	-1.552	3.5
66	MP3C	Mx	.001	3.5
67	MP2A	X	-2.357	3.5
68	MP2A	Z	-1.361	3.5
69	MP2A	Mx	-.001	3.5
70	MP2B	X	-3.298	3.5
71	MP2B	Z	-1.904	3.5
72	MP2B	Mx	.000331	3.5
73	MP2C	X	-2.57	3.5
74	MP2C	Z	-1.484	3.5
75	MP2C	Mx	.001	3.5
76	MP3A	X	-.508	1
77	MP3A	Z	-.293	1
78	MP3A	Mx	-.000169	1
79	MP3B	X	-.654	1
80	MP3B	Z	-.378	1
81	MP3B	Mx	4.4e-5	1
82	MP3C	X	-.541	1
83	MP3C	Z	-.312	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP3C	Mx	.000159	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.291	.5
2	MP3A	Z	-7.432	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	-4.291	5.5
5	MP3A	Z	-7.432	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	-4.505	.5
8	MP3B	Z	-7.803	.5
9	MP3B	Mx	.007	.5
10	MP3B	X	-4.505	5.5
11	MP3B	Z	-7.803	5.5
12	MP3B	Mx	.007	5.5
13	MP3C	X	-3.131	.5
14	MP3C	Z	-5.423	.5
15	MP3C	Mx	-.004	.5
16	MP3C	X	-3.131	5.5
17	MP3C	Z	-5.423	5.5
18	MP3C	Mx	-.004	5.5
19	MP3A	X	-4.291	.5
20	MP3A	Z	-7.432	.5
21	MP3A	Mx	.007	.5
22	MP3A	X	-4.291	5.5
23	MP3A	Z	-7.432	5.5
24	MP3A	Mx	.007	5.5
25	MP3B	X	-4.505	.5
26	MP3B	Z	-7.803	.5
27	MP3B	Mx	-.004	.5
28	MP3B	X	-4.505	5.5
29	MP3B	Z	-7.803	5.5
30	MP3B	Mx	-.004	5.5
31	MP3C	X	-3.131	.5
32	MP3C	Z	-5.423	.5
33	MP3C	Mx	-.002	.5
34	MP3C	X	-3.131	5.5
35	MP3C	Z	-5.423	5.5
36	MP3C	Mx	-.002	5.5
37	MP1A	X	-2.053	2
38	MP1A	Z	-3.556	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.053	4
41	MP1A	Z	-3.556	4
42	MP1A	Mx	.001	4
43	MP1B	X	-2.249	2
44	MP1B	Z	-3.896	2
45	MP1B	Mx	.000769	2
46	MP1B	X	-2.249	4
47	MP1B	Z	-3.896	4
48	MP1B	Mx	.000769	4
49	MP1C	X	-.992	2
50	MP1C	Z	-1.719	2
51	MP1C	Mx	-.000977	2
52	MP1C	X	-.992	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP1C	Z	-1.719	4
54	MP1C	Mx	-.000977	4
55	OVP	X	-4.067	1
56	OVP	Z	-7.045	1
57	OVP	Mx	0	1
58	MP3A	X	-1.767	3.5
59	MP3A	Z	-3.061	3.5
60	MP3A	Mx	-.000884	3.5
61	MP3B	X	-1.852	3.5
62	MP3B	Z	-3.208	3.5
63	MP3B	Mx	-.000634	3.5
64	MP3C	X	-1.307	3.5
65	MP3C	Z	-2.264	3.5
66	MP3C	Mx	.001	3.5
67	MP2A	X	-1.738	3.5
68	MP2A	Z	-3.011	3.5
69	MP2A	Mx	-.000869	3.5
70	MP2B	X	-1.839	3.5
71	MP2B	Z	-3.185	3.5
72	MP2B	Mx	-.000629	3.5
73	MP2C	X	-1.195	3.5
74	MP2C	Z	-2.07	3.5
75	MP2C	Mx	.001	3.5
76	MP3A	X	-.352	1
77	MP3A	Z	-.609	1
78	MP3A	Mx	-.000117	1
79	MP3B	X	-.368	1
80	MP3B	Z	-.637	1
81	MP3B	Mx	-8.4e-5	1
82	MP3C	X	-.267	1
83	MP3C	Z	-.463	1
84	MP3C	Mx	.000175	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%34

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M1	Y	-500	%67

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-6.483	-6.483	0	%100
2	M4	Y	-9.495	-9.495	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, %]
3	M10	Y	-9.495	-9.495	0	%100
4	MP3A	Y	-4.912	-4.912	0	%100
5	MP4A	Y	-4.912	-4.912	0	%100
6	MP2A	Y	-4.912	-4.912	0	%100
7	MP1A	Y	-4.912	-4.912	0	%100
8	M43	Y	-9.495	-9.495	0	%100
9	M46	Y	-10.003	-10.003	0	%100
10	M51B	Y	-5.545	-5.545	0	%100
11	M52B	Y	-5.545	-5.545	0	%100
12	M76	Y	-9.99	-9.99	0	%100
13	M77	Y	-9.99	-9.99	0	%100
14	M80	Y	-10.003	-10.003	0	%100
15	M84	Y	-9.99	-9.99	0	%100
16	M85	Y	-9.99	-9.99	0	%100
17	M91	Y	-10.003	-10.003	0	%100
18	M52A	Y	-9.495	-9.495	0	%100
19	M53	Y	-9.495	-9.495	0	%100
20	M54	Y	-9.495	-9.495	0	%100
21	M55	Y	-10.003	-10.003	0	%100
22	M58A	Y	-5.545	-5.545	0	%100
23	M59A	Y	-5.545	-5.545	0	%100
24	M63	Y	-9.99	-9.99	0	%100
25	M64	Y	-9.99	-9.99	0	%100
26	M66	Y	-10.003	-10.003	0	%100
27	M68	Y	-9.99	-9.99	0	%100
28	M69	Y	-9.99	-9.99	0	%100
29	M71	Y	-10.003	-10.003	0	%100
30	M76A	Y	-9.495	-9.495	0	%100
31	M77A	Y	-9.495	-9.495	0	%100
32	M78	Y	-9.495	-9.495	0	%100
33	M79A	Y	-10.003	-10.003	0	%100
34	M82	Y	-5.545	-5.545	0	%100
35	M83A	Y	-5.545	-5.545	0	%100
36	M87	Y	-9.99	-9.99	0	%100
37	M88A	Y	-9.99	-9.99	0	%100
38	M90	Y	-10.003	-10.003	0	%100
39	M92A	Y	-9.99	-9.99	0	%100
40	M93	Y	-9.99	-9.99	0	%100
41	M95	Y	-10.003	-10.003	0	%100
42	M82A	Y	-6.483	-6.483	0	%100
43	M91B	Y	-6.483	-6.483	0	%100
44	MP3C	Y	-4.912	-4.912	0	%100
45	MP4C	Y	-4.912	-4.912	0	%100
46	MP2C	Y	-4.912	-4.912	0	%100
47	MP1C	Y	-4.912	-4.912	0	%100
48	MP3B	Y	-4.912	-4.912	0	%100
49	MP4B	Y	-4.912	-4.912	0	%100
50	MP2B	Y	-4.912	-4.912	0	%100
51	MP1B	Y	-4.912	-4.912	0	%100
52	OVP	Y	-4.912	-4.912	0	%100
53	M102	Y	-4.912	-4.912	0	%100
54	M105	Y	-4.912	-4.912	0	%100
55	M108	Y	-4.912	-4.912	0	%100
56	M123A	Y	-7.52	-7.52	0	%100
57	M124A	Y	-7.52	-7.52	0	%100
58	M125A	Y	-7.52	-7.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-12.125	-12.125	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-10.421	-10.421	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-8.228	-8.228	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-8.228	-8.228	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-8.228	-8.228	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-8.228	-8.228	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-10.421	-10.421	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-20.786	-20.786	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-2.885	-2.885	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-2.885	-2.885	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-5.293	-5.293	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-5.575	-5.575	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-5.293	-5.293	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-5.575	-5.575	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-9.237	-9.237	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-2.605	-2.605	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-2.605	-2.605	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-5.196	-5.196	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-2.885	-2.885	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-11.542	-11.542	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-15.589	-15.589	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-5.293	-5.293	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-5.575	-5.575	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-15.589	-15.589	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-21.17	-21.17	0	%100
57	M71	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,%]
58	M71	Z	-22.298	-22.298	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-9.237	-9.237	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-2.605	-2.605	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-2.605	-2.605	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-5.196	-5.196	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-11.542	-11.542	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-2.885	-2.885	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-15.589	-15.589	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-21.17	-21.17	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-22.298	-22.298	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-15.589	-15.589	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-5.293	-5.293	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-5.575	-5.575	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-3.031	-3.031	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-3.031	-3.031	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-8.228	-8.228	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-8.228	-8.228	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-8.228	-8.228	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-8.228	-8.228	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-8.228	-8.228	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-8.228	-8.228	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-8.228	-8.228	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-8.228	-8.228	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	-6.728	-6.728	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-8.228	-8.228	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	-2.057	-2.057	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	-2.057	-2.057	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	-3.121	-3.121	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	-3.121	-3.121	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, %]
115	M125A	X	0	0	0	%100
116	M125A	Z	-12.484	-12.484	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	4.547	4.547	0	%100
2	M1	Z	-7.875	-7.875	0	%100
3	M4	X	1.539	1.539	0	%100
4	M4	Z	-2.666	-2.666	0	%100
5	M10	X	3.908	3.908	0	%100
6	M10	Z	-6.769	-6.769	0	%100
7	MP3A	X	4.114	4.114	0	%100
8	MP3A	Z	-7.125	-7.125	0	%100
9	MP4A	X	4.114	4.114	0	%100
10	MP4A	Z	-7.125	-7.125	0	%100
11	MP2A	X	4.114	4.114	0	%100
12	MP2A	Z	-7.125	-7.125	0	%100
13	MP1A	X	4.114	4.114	0	%100
14	MP1A	Z	-7.125	-7.125	0	%100
15	M43	X	3.908	3.908	0	%100
16	M43	Z	-6.769	-6.769	0	%100
17	M46	X	7.795	7.795	0	%100
18	M46	Z	-13.501	-13.501	0	%100
19	M51B	X	4.328	4.328	0	%100
20	M51B	Z	-7.497	-7.497	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	2.598	2.598	0	%100
24	M76	Z	-4.5	-4.5	0	%100
25	M77	X	7.939	7.939	0	%100
26	M77	Z	-13.751	-13.751	0	%100
27	M80	X	8.362	8.362	0	%100
28	M80	Z	-14.483	-14.483	0	%100
29	M84	X	2.598	2.598	0	%100
30	M84	Z	-4.5	-4.5	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	1.539	1.539	0	%100
36	M52A	Z	-2.666	-2.666	0	%100
37	M53	X	3.908	3.908	0	%100
38	M53	Z	-6.769	-6.769	0	%100
39	M54	X	3.908	3.908	0	%100
40	M54	Z	-6.769	-6.769	0	%100
41	M55	X	7.795	7.795	0	%100
42	M55	Z	-13.501	-13.501	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	4.328	4.328	0	%100
46	M59A	Z	-7.497	-7.497	0	%100
47	M63	X	2.598	2.598	0	%100
48	M63	Z	-4.5	-4.5	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	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,%]
52	M66	Z	0	0	0	%100
53	M68	X	2.598	2.598	0	%100
54	M68	Z	-4.5	-4.5	0	%100
55	M69	X	7.939	7.939	0	%100
56	M69	Z	-13.751	-13.751	0	%100
57	M71	X	8.362	8.362	0	%100
58	M71	Z	-14.483	-14.483	0	%100
59	M76A	X	6.158	6.158	0	%100
60	M76A	Z	-10.665	-10.665	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	4.328	4.328	0	%100
68	M82	Z	-7.497	-7.497	0	%100
69	M83A	X	4.328	4.328	0	%100
70	M83A	Z	-7.497	-7.497	0	%100
71	M87	X	10.393	10.393	0	%100
72	M87	Z	-18.001	-18.001	0	%100
73	M88A	X	7.939	7.939	0	%100
74	M88A	Z	-13.751	-13.751	0	%100
75	M90	X	8.362	8.362	0	%100
76	M90	Z	-14.483	-14.483	0	%100
77	M92A	X	10.393	10.393	0	%100
78	M92A	Z	-18.001	-18.001	0	%100
79	M93	X	7.939	7.939	0	%100
80	M93	Z	-13.751	-13.751	0	%100
81	M95	X	8.362	8.362	0	%100
82	M95	Z	-14.483	-14.483	0	%100
83	M82A	X	4.547	4.547	0	%100
84	M82A	Z	-7.875	-7.875	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	4.114	4.114	0	%100
88	MP3C	Z	-7.125	-7.125	0	%100
89	MP4C	X	4.114	4.114	0	%100
90	MP4C	Z	-7.125	-7.125	0	%100
91	MP2C	X	4.114	4.114	0	%100
92	MP2C	Z	-7.125	-7.125	0	%100
93	MP1C	X	4.114	4.114	0	%100
94	MP1C	Z	-7.125	-7.125	0	%100
95	MP3B	X	4.114	4.114	0	%100
96	MP3B	Z	-7.125	-7.125	0	%100
97	MP4B	X	4.114	4.114	0	%100
98	MP4B	Z	-7.125	-7.125	0	%100
99	MP2B	X	4.114	4.114	0	%100
100	MP2B	Z	-7.125	-7.125	0	%100
101	MP1B	X	4.114	4.114	0	%100
102	MP1B	Z	-7.125	-7.125	0	%100
103	OVP	X	3.364	3.364	0	%100
104	OVP	Z	-5.827	-5.827	0	%100
105	M102	X	3.085	3.085	0	%100
106	M102	Z	-5.344	-5.344	0	%100
107	M105	X	3.085	3.085	0	%100
108	M105	Z	-5.344	-5.344	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, %]
109	M108	X	0	0	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	4.682	4.682	0	%100
114	M124A	Z	-8.109	-8.109	0	%100
115	M125A	X	4.682	4.682	0	%100
116	M125A	Z	-8.109	-8.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	2.625	2.625	0	%100
2	M1	Z	-1.516	-1.516	0	%100
3	M4	X	7.999	7.999	0	%100
4	M4	Z	-4.618	-4.618	0	%100
5	M10	X	2.256	2.256	0	%100
6	M10	Z	-1.303	-1.303	0	%100
7	MP3A	X	7.125	7.125	0	%100
8	MP3A	Z	-4.114	-4.114	0	%100
9	MP4A	X	7.125	7.125	0	%100
10	MP4A	Z	-4.114	-4.114	0	%100
11	MP2A	X	7.125	7.125	0	%100
12	MP2A	Z	-4.114	-4.114	0	%100
13	MP1A	X	7.125	7.125	0	%100
14	MP1A	Z	-4.114	-4.114	0	%100
15	M43	X	2.256	2.256	0	%100
16	M43	Z	-1.303	-1.303	0	%100
17	M46	X	4.5	4.5	0	%100
18	M46	Z	-2.598	-2.598	0	%100
19	M51B	X	9.996	9.996	0	%100
20	M51B	Z	-5.771	-5.771	0	%100
21	M52B	X	2.499	2.499	0	%100
22	M52B	Z	-1.443	-1.443	0	%100
23	M76	X	13.501	13.501	0	%100
24	M76	Z	-7.795	-7.795	0	%100
25	M77	X	18.334	18.334	0	%100
26	M77	Z	-10.585	-10.585	0	%100
27	M80	X	19.311	19.311	0	%100
28	M80	Z	-11.149	-11.149	0	%100
29	M84	X	13.501	13.501	0	%100
30	M84	Z	-7.795	-7.795	0	%100
31	M85	X	4.584	4.584	0	%100
32	M85	Z	-2.646	-2.646	0	%100
33	M91	X	4.828	4.828	0	%100
34	M91	Z	-2.787	-2.787	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	9.025	9.025	0	%100
38	M53	Z	-5.21	-5.21	0	%100
39	M54	X	9.025	9.025	0	%100
40	M54	Z	-5.21	-5.21	0	%100
41	M55	X	18.001	18.001	0	%100
42	M55	Z	-10.393	-10.393	0	%100
43	M58A	X	2.499	2.499	0	%100
44	M58A	Z	-1.443	-1.443	0	%100
45	M59A	X	2.499	2.499	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,%]
46	M59A	Z	-1.443	-1.443	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	4.584	4.584	0	%100
50	M64	Z	-2.646	-2.646	0	%100
51	M66	X	4.828	4.828	0	%100
52	M66	Z	-2.787	-2.787	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	4.584	4.584	0	%100
56	M69	Z	-2.646	-2.646	0	%100
57	M71	X	4.828	4.828	0	%100
58	M71	Z	-2.787	-2.787	0	%100
59	M76A	X	7.999	7.999	0	%100
60	M76A	Z	-4.618	-4.618	0	%100
61	M77A	X	2.256	2.256	0	%100
62	M77A	Z	-1.303	-1.303	0	%100
63	M78	X	2.256	2.256	0	%100
64	M78	Z	-1.303	-1.303	0	%100
65	M79A	X	4.5	4.5	0	%100
66	M79A	Z	-2.598	-2.598	0	%100
67	M82	X	2.499	2.499	0	%100
68	M82	Z	-1.443	-1.443	0	%100
69	M83A	X	9.996	9.996	0	%100
70	M83A	Z	-5.771	-5.771	0	%100
71	M87	X	13.501	13.501	0	%100
72	M87	Z	-7.795	-7.795	0	%100
73	M88A	X	4.584	4.584	0	%100
74	M88A	Z	-2.646	-2.646	0	%100
75	M90	X	4.828	4.828	0	%100
76	M90	Z	-2.787	-2.787	0	%100
77	M92A	X	13.501	13.501	0	%100
78	M92A	Z	-7.795	-7.795	0	%100
79	M93	X	18.334	18.334	0	%100
80	M93	Z	-10.585	-10.585	0	%100
81	M95	X	19.311	19.311	0	%100
82	M95	Z	-11.149	-11.149	0	%100
83	M82A	X	10.5	10.5	0	%100
84	M82A	Z	-6.062	-6.062	0	%100
85	M91B	X	2.625	2.625	0	%100
86	M91B	Z	-1.516	-1.516	0	%100
87	MP3C	X	7.125	7.125	0	%100
88	MP3C	Z	-4.114	-4.114	0	%100
89	MP4C	X	7.125	7.125	0	%100
90	MP4C	Z	-4.114	-4.114	0	%100
91	MP2C	X	7.125	7.125	0	%100
92	MP2C	Z	-4.114	-4.114	0	%100
93	MP1C	X	7.125	7.125	0	%100
94	MP1C	Z	-4.114	-4.114	0	%100
95	MP3B	X	7.125	7.125	0	%100
96	MP3B	Z	-4.114	-4.114	0	%100
97	MP4B	X	7.125	7.125	0	%100
98	MP4B	Z	-4.114	-4.114	0	%100
99	MP2B	X	7.125	7.125	0	%100
100	MP2B	Z	-4.114	-4.114	0	%100
101	MP1B	X	7.125	7.125	0	%100
102	MP1B	Z	-4.114	-4.114	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, %]
103	OVP	X	5.827	5.827	0	%100
104	OVP	Z	-3.364	-3.364	0	%100
105	M102	X	1.781	1.781	0	%100
106	M102	Z	-1.028	-1.028	0	%100
107	M105	X	7.125	7.125	0	%100
108	M105	Z	-4.114	-4.114	0	%100
109	M108	X	1.781	1.781	0	%100
110	M108	Z	-1.028	-1.028	0	%100
111	M123A	X	2.703	2.703	0	%100
112	M123A	Z	-1.561	-1.561	0	%100
113	M124A	X	10.812	10.812	0	%100
114	M124A	Z	-6.242	-6.242	0	%100
115	M125A	X	2.703	2.703	0	%100
116	M125A	Z	-1.561	-1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	12.315	12.315	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	8.228	8.228	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	8.228	8.228	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	8.228	8.228	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	8.228	8.228	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	8.656	8.656	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	8.656	8.656	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	20.786	20.786	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	15.878	15.878	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	16.724	16.724	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	20.786	20.786	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	15.878	15.878	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	16.724	16.724	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	3.079	3.079	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	7.816	7.816	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	7.816	7.816	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,%]
40	M54	Z	0	0	0	%100
41	M55	X	15.589	15.589	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	8.656	8.656	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	5.196	5.196	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	15.878	15.878	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	16.724	16.724	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	5.196	5.196	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	3.079	3.079	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	7.816	7.816	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	7.816	7.816	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	15.589	15.589	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	8.656	8.656	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	5.196	5.196	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	5.196	5.196	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	15.878	15.878	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	16.724	16.724	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	9.094	9.094	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	9.094	9.094	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	8.228	8.228	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	8.228	8.228	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	8.228	8.228	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	8.228	8.228	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	8.228	8.228	0	%100
96	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
97	MP4B	X	8.228	8.228	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	8.228	8.228	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	8.228	8.228	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	6.728	6.728	0	%100
104	OVP	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M105	X	6.171	6.171	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	6.171	6.171	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	9.363	9.363	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	9.363	9.363	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	2.625	2.625	0	%100
2	M1	Z	1.516	1.516	0	%100
3	M4	X	7.999	7.999	0	%100
4	M4	Z	4.618	4.618	0	%100
5	M10	X	2.256	2.256	0	%100
6	M10	Z	1.303	1.303	0	%100
7	MP3A	X	7.125	7.125	0	%100
8	MP3A	Z	4.114	4.114	0	%100
9	MP4A	X	7.125	7.125	0	%100
10	MP4A	Z	4.114	4.114	0	%100
11	MP2A	X	7.125	7.125	0	%100
12	MP2A	Z	4.114	4.114	0	%100
13	MP1A	X	7.125	7.125	0	%100
14	MP1A	Z	4.114	4.114	0	%100
15	M43	X	2.256	2.256	0	%100
16	M43	Z	1.303	1.303	0	%100
17	M46	X	4.5	4.5	0	%100
18	M46	Z	2.598	2.598	0	%100
19	M51B	X	2.499	2.499	0	%100
20	M51B	Z	1.443	1.443	0	%100
21	M52B	X	9.996	9.996	0	%100
22	M52B	Z	5.771	5.771	0	%100
23	M76	X	13.501	13.501	0	%100
24	M76	Z	7.795	7.795	0	%100
25	M77	X	4.584	4.584	0	%100
26	M77	Z	2.646	2.646	0	%100
27	M80	X	4.828	4.828	0	%100
28	M80	Z	2.787	2.787	0	%100
29	M84	X	13.501	13.501	0	%100
30	M84	Z	7.795	7.795	0	%100
31	M85	X	18.334	18.334	0	%100
32	M85	Z	10.585	10.585	0	%100
33	M91	X	19.311	19.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	11.149	11.149	0	%100
35	M52A	X	7.999	7.999	0	%100
36	M52A	Z	4.618	4.618	0	%100
37	M53	X	2.256	2.256	0	%100
38	M53	Z	1.303	1.303	0	%100
39	M54	X	2.256	2.256	0	%100
40	M54	Z	1.303	1.303	0	%100
41	M55	X	4.5	4.5	0	%100
42	M55	Z	2.598	2.598	0	%100
43	M58A	X	9.996	9.996	0	%100
44	M58A	Z	5.771	5.771	0	%100
45	M59A	X	2.499	2.499	0	%100
46	M59A	Z	1.443	1.443	0	%100
47	M63	X	13.501	13.501	0	%100
48	M63	Z	7.795	7.795	0	%100
49	M64	X	18.334	18.334	0	%100
50	M64	Z	10.585	10.585	0	%100
51	M66	X	19.311	19.311	0	%100
52	M66	Z	11.149	11.149	0	%100
53	M68	X	13.501	13.501	0	%100
54	M68	Z	7.795	7.795	0	%100
55	M69	X	4.584	4.584	0	%100
56	M69	Z	2.646	2.646	0	%100
57	M71	X	4.828	4.828	0	%100
58	M71	Z	2.787	2.787	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	9.025	9.025	0	%100
62	M77A	Z	5.21	5.21	0	%100
63	M78	X	9.025	9.025	0	%100
64	M78	Z	5.21	5.21	0	%100
65	M79A	X	18.001	18.001	0	%100
66	M79A	Z	10.393	10.393	0	%100
67	M82	X	2.499	2.499	0	%100
68	M82	Z	1.443	1.443	0	%100
69	M83A	X	2.499	2.499	0	%100
70	M83A	Z	1.443	1.443	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	4.584	4.584	0	%100
74	M88A	Z	2.646	2.646	0	%100
75	M90	X	4.828	4.828	0	%100
76	M90	Z	2.787	2.787	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	4.584	4.584	0	%100
80	M93	Z	2.646	2.646	0	%100
81	M95	X	4.828	4.828	0	%100
82	M95	Z	2.787	2.787	0	%100
83	M82A	X	2.625	2.625	0	%100
84	M82A	Z	1.516	1.516	0	%100
85	M91B	X	10.5	10.5	0	%100
86	M91B	Z	6.062	6.062	0	%100
87	MP3C	X	7.125	7.125	0	%100
88	MP3C	Z	4.114	4.114	0	%100
89	MP4C	X	7.125	7.125	0	%100
90	MP4C	Z	4.114	4.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	7.125	7.125	0	%100
92	MP2C	Z	4.114	4.114	0	%100
93	MP1C	X	7.125	7.125	0	%100
94	MP1C	Z	4.114	4.114	0	%100
95	MP3B	X	7.125	7.125	0	%100
96	MP3B	Z	4.114	4.114	0	%100
97	MP4B	X	7.125	7.125	0	%100
98	MP4B	Z	4.114	4.114	0	%100
99	MP2B	X	7.125	7.125	0	%100
100	MP2B	Z	4.114	4.114	0	%100
101	MP1B	X	7.125	7.125	0	%100
102	MP1B	Z	4.114	4.114	0	%100
103	OVP	X	5.827	5.827	0	%100
104	OVP	Z	3.364	3.364	0	%100
105	M102	X	1.781	1.781	0	%100
106	M102	Z	1.028	1.028	0	%100
107	M105	X	1.781	1.781	0	%100
108	M105	Z	1.028	1.028	0	%100
109	M108	X	7.125	7.125	0	%100
110	M108	Z	4.114	4.114	0	%100
111	M123A	X	10.812	10.812	0	%100
112	M123A	Z	6.242	6.242	0	%100
113	M124A	X	2.703	2.703	0	%100
114	M124A	Z	1.561	1.561	0	%100
115	M125A	X	2.703	2.703	0	%100
116	M125A	Z	1.561	1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	4.547	4.547	0	%100
2	M1	Z	7.875	7.875	0	%100
3	M4	X	1.539	1.539	0	%100
4	M4	Z	2.666	2.666	0	%100
5	M10	X	3.908	3.908	0	%100
6	M10	Z	6.769	6.769	0	%100
7	MP3A	X	4.114	4.114	0	%100
8	MP3A	Z	7.125	7.125	0	%100
9	MP4A	X	4.114	4.114	0	%100
10	MP4A	Z	7.125	7.125	0	%100
11	MP2A	X	4.114	4.114	0	%100
12	MP2A	Z	7.125	7.125	0	%100
13	MP1A	X	4.114	4.114	0	%100
14	MP1A	Z	7.125	7.125	0	%100
15	M43	X	3.908	3.908	0	%100
16	M43	Z	6.769	6.769	0	%100
17	M46	X	7.795	7.795	0	%100
18	M46	Z	13.501	13.501	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	4.328	4.328	0	%100
22	M52B	Z	7.497	7.497	0	%100
23	M76	X	2.598	2.598	0	%100
24	M76	Z	4.5	4.5	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M80	Z	0	0	0	%100
29	M84	X	2.598	2.598	0	%100
30	M84	Z	4.5	4.5	0	%100
31	M85	X	7.939	7.939	0	%100
32	M85	Z	13.751	13.751	0	%100
33	M91	X	8.362	8.362	0	%100
34	M91	Z	14.483	14.483	0	%100
35	M52A	X	6.158	6.158	0	%100
36	M52A	Z	10.665	10.665	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	4.328	4.328	0	%100
44	M58A	Z	7.497	7.497	0	%100
45	M59A	X	4.328	4.328	0	%100
46	M59A	Z	7.497	7.497	0	%100
47	M63	X	10.393	10.393	0	%100
48	M63	Z	18.001	18.001	0	%100
49	M64	X	7.939	7.939	0	%100
50	M64	Z	13.751	13.751	0	%100
51	M66	X	8.362	8.362	0	%100
52	M66	Z	14.483	14.483	0	%100
53	M68	X	10.393	10.393	0	%100
54	M68	Z	18.001	18.001	0	%100
55	M69	X	7.939	7.939	0	%100
56	M69	Z	13.751	13.751	0	%100
57	M71	X	8.362	8.362	0	%100
58	M71	Z	14.483	14.483	0	%100
59	M76A	X	1.539	1.539	0	%100
60	M76A	Z	2.666	2.666	0	%100
61	M77A	X	3.908	3.908	0	%100
62	M77A	Z	6.769	6.769	0	%100
63	M78	X	3.908	3.908	0	%100
64	M78	Z	6.769	6.769	0	%100
65	M79A	X	7.795	7.795	0	%100
66	M79A	Z	13.501	13.501	0	%100
67	M82	X	4.328	4.328	0	%100
68	M82	Z	7.497	7.497	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	2.598	2.598	0	%100
72	M87	Z	4.5	4.5	0	%100
73	M88A	X	7.939	7.939	0	%100
74	M88A	Z	13.751	13.751	0	%100
75	M90	X	8.362	8.362	0	%100
76	M90	Z	14.483	14.483	0	%100
77	M92A	X	2.598	2.598	0	%100
78	M92A	Z	4.5	4.5	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	M91B	X	4.547	4.547	0	%100
86	M91B	Z	7.875	7.875	0	%100
87	MP3C	X	4.114	4.114	0	%100
88	MP3C	Z	7.125	7.125	0	%100
89	MP4C	X	4.114	4.114	0	%100
90	MP4C	Z	7.125	7.125	0	%100
91	MP2C	X	4.114	4.114	0	%100
92	MP2C	Z	7.125	7.125	0	%100
93	MP1C	X	4.114	4.114	0	%100
94	MP1C	Z	7.125	7.125	0	%100
95	MP3B	X	4.114	4.114	0	%100
96	MP3B	Z	7.125	7.125	0	%100
97	MP4B	X	4.114	4.114	0	%100
98	MP4B	Z	7.125	7.125	0	%100
99	MP2B	X	4.114	4.114	0	%100
100	MP2B	Z	7.125	7.125	0	%100
101	MP1B	X	4.114	4.114	0	%100
102	MP1B	Z	7.125	7.125	0	%100
103	OVP	X	3.364	3.364	0	%100
104	OVP	Z	5.827	5.827	0	%100
105	M102	X	3.085	3.085	0	%100
106	M102	Z	5.344	5.344	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	3.085	3.085	0	%100
110	M108	Z	5.344	5.344	0	%100
111	M123A	X	4.682	4.682	0	%100
112	M123A	Z	8.109	8.109	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	4.682	4.682	0	%100
116	M125A	Z	8.109	8.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	12.125	12.125	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	10.421	10.421	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	8.228	8.228	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	8.228	8.228	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	8.228	8.228	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	8.228	8.228	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	10.421	10.421	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	20.786	20.786	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	2.885	2.885	0	%100
21	M52B	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,%]
22	M52B	Z	2.885	2.885	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	5.293	5.293	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	5.575	5.575	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	5.293	5.293	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	5.575	5.575	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	9.237	9.237	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	2.605	2.605	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	2.605	2.605	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	5.196	5.196	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	2.885	2.885	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	11.542	11.542	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	15.589	15.589	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	5.293	5.293	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	5.575	5.575	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	15.589	15.589	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	21.17	21.17	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	22.298	22.298	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	9.237	9.237	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	2.605	2.605	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	2.605	2.605	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	5.196	5.196	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	11.542	11.542	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	2.885	2.885	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	15.589	15.589	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	21.17	21.17	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	22.298	22.298	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	15.589	15.589	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, %]
79	M93	X	0	0	0	%100
80	M93	Z	5.293	5.293	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	5.575	5.575	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	3.031	3.031	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	3.031	3.031	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	8.228	8.228	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	8.228	8.228	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	8.228	8.228	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	8.228	8.228	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	8.228	8.228	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	8.228	8.228	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	8.228	8.228	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	8.228	8.228	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	6.728	6.728	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	8.228	8.228	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	2.057	2.057	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	2.057	2.057	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	3.121	3.121	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	3.121	3.121	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	12.484	12.484	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-4.547	-4.547	0	%100
2	M1	Z	7.875	7.875	0	%100
3	M4	X	-1.539	-1.539	0	%100
4	M4	Z	2.666	2.666	0	%100
5	M10	X	-3.908	-3.908	0	%100
6	M10	Z	6.769	6.769	0	%100
7	MP3A	X	-4.114	-4.114	0	%100
8	MP3A	Z	7.125	7.125	0	%100
9	MP4A	X	-4.114	-4.114	0	%100
10	MP4A	Z	7.125	7.125	0	%100
11	MP2A	X	-4.114	-4.114	0	%100
12	MP2A	Z	7.125	7.125	0	%100
13	MP1A	X	-4.114	-4.114	0	%100
14	MP1A	Z	7.125	7.125	0	%100
15	M43	X	-3.908	-3.908	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M43	Z	6.769	6.769	0	%100
17	M46	X	-7.795	-7.795	0	%100
18	M46	Z	13.501	13.501	0	%100
19	M51B	X	-4.328	-4.328	0	%100
20	M51B	Z	7.497	7.497	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-2.598	-2.598	0	%100
24	M76	Z	4.5	4.5	0	%100
25	M77	X	-7.939	-7.939	0	%100
26	M77	Z	13.751	13.751	0	%100
27	M80	X	-8.362	-8.362	0	%100
28	M80	Z	14.483	14.483	0	%100
29	M84	X	-2.598	-2.598	0	%100
30	M84	Z	4.5	4.5	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-1.539	-1.539	0	%100
36	M52A	Z	2.666	2.666	0	%100
37	M53	X	-3.908	-3.908	0	%100
38	M53	Z	6.769	6.769	0	%100
39	M54	X	-3.908	-3.908	0	%100
40	M54	Z	6.769	6.769	0	%100
41	M55	X	-7.795	-7.795	0	%100
42	M55	Z	13.501	13.501	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-4.328	-4.328	0	%100
46	M59A	Z	7.497	7.497	0	%100
47	M63	X	-2.598	-2.598	0	%100
48	M63	Z	4.5	4.5	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-2.598	-2.598	0	%100
54	M68	Z	4.5	4.5	0	%100
55	M69	X	-7.939	-7.939	0	%100
56	M69	Z	13.751	13.751	0	%100
57	M71	X	-8.362	-8.362	0	%100
58	M71	Z	14.483	14.483	0	%100
59	M76A	X	-6.158	-6.158	0	%100
60	M76A	Z	10.665	10.665	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-4.328	-4.328	0	%100
68	M82	Z	7.497	7.497	0	%100
69	M83A	X	-4.328	-4.328	0	%100
70	M83A	Z	7.497	7.497	0	%100
71	M87	X	-10.393	-10.393	0	%100
72	M87	Z	18.001	18.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
73	M88A	X	-7.939	-7.939	0	%100
74	M88A	Z	13.751	13.751	0	%100
75	M90	X	-8.362	-8.362	0	%100
76	M90	Z	14.483	14.483	0	%100
77	M92A	X	-10.393	-10.393	0	%100
78	M92A	Z	18.001	18.001	0	%100
79	M93	X	-7.939	-7.939	0	%100
80	M93	Z	13.751	13.751	0	%100
81	M95	X	-8.362	-8.362	0	%100
82	M95	Z	14.483	14.483	0	%100
83	M82A	X	-4.547	-4.547	0	%100
84	M82A	Z	7.875	7.875	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-4.114	-4.114	0	%100
88	MP3C	Z	7.125	7.125	0	%100
89	MP4C	X	-4.114	-4.114	0	%100
90	MP4C	Z	7.125	7.125	0	%100
91	MP2C	X	-4.114	-4.114	0	%100
92	MP2C	Z	7.125	7.125	0	%100
93	MP1C	X	-4.114	-4.114	0	%100
94	MP1C	Z	7.125	7.125	0	%100
95	MP3B	X	-4.114	-4.114	0	%100
96	MP3B	Z	7.125	7.125	0	%100
97	MP4B	X	-4.114	-4.114	0	%100
98	MP4B	Z	7.125	7.125	0	%100
99	MP2B	X	-4.114	-4.114	0	%100
100	MP2B	Z	7.125	7.125	0	%100
101	MP1B	X	-4.114	-4.114	0	%100
102	MP1B	Z	7.125	7.125	0	%100
103	OVP	X	-3.364	-3.364	0	%100
104	OVP	Z	5.827	5.827	0	%100
105	M102	X	-3.085	-3.085	0	%100
106	M102	Z	5.344	5.344	0	%100
107	M105	X	-3.085	-3.085	0	%100
108	M105	Z	5.344	5.344	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	-4.682	-4.682	0	%100
114	M124A	Z	8.109	8.109	0	%100
115	M125A	X	-4.682	-4.682	0	%100
116	M125A	Z	8.109	8.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.625	-2.625	0	%100
2	M1	Z	1.516	1.516	0	%100
3	M4	X	-7.999	-7.999	0	%100
4	M4	Z	4.618	4.618	0	%100
5	M10	X	-2.256	-2.256	0	%100
6	M10	Z	1.303	1.303	0	%100
7	MP3A	X	-7.125	-7.125	0	%100
8	MP3A	Z	4.114	4.114	0	%100
9	MP4A	X	-7.125	-7.125	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,%]
10	MP4A	Z	4.114	4.114	0	%100
11	MP2A	X	-7.125	-7.125	0	%100
12	MP2A	Z	4.114	4.114	0	%100
13	MP1A	X	-7.125	-7.125	0	%100
14	MP1A	Z	4.114	4.114	0	%100
15	M43	X	-2.256	-2.256	0	%100
16	M43	Z	1.303	1.303	0	%100
17	M46	X	-4.5	-4.5	0	%100
18	M46	Z	2.598	2.598	0	%100
19	M51B	X	-9.996	-9.996	0	%100
20	M51B	Z	5.771	5.771	0	%100
21	M52B	X	-2.499	-2.499	0	%100
22	M52B	Z	1.443	1.443	0	%100
23	M76	X	-13.501	-13.501	0	%100
24	M76	Z	7.795	7.795	0	%100
25	M77	X	-18.334	-18.334	0	%100
26	M77	Z	10.585	10.585	0	%100
27	M80	X	-19.311	-19.311	0	%100
28	M80	Z	11.149	11.149	0	%100
29	M84	X	-13.501	-13.501	0	%100
30	M84	Z	7.795	7.795	0	%100
31	M85	X	-4.584	-4.584	0	%100
32	M85	Z	2.646	2.646	0	%100
33	M91	X	-4.828	-4.828	0	%100
34	M91	Z	2.787	2.787	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-9.025	-9.025	0	%100
38	M53	Z	5.21	5.21	0	%100
39	M54	X	-9.025	-9.025	0	%100
40	M54	Z	5.21	5.21	0	%100
41	M55	X	-18.001	-18.001	0	%100
42	M55	Z	10.393	10.393	0	%100
43	M58A	X	-2.499	-2.499	0	%100
44	M58A	Z	1.443	1.443	0	%100
45	M59A	X	-2.499	-2.499	0	%100
46	M59A	Z	1.443	1.443	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-4.584	-4.584	0	%100
50	M64	Z	2.646	2.646	0	%100
51	M66	X	-4.828	-4.828	0	%100
52	M66	Z	2.787	2.787	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-4.584	-4.584	0	%100
56	M69	Z	2.646	2.646	0	%100
57	M71	X	-4.828	-4.828	0	%100
58	M71	Z	2.787	2.787	0	%100
59	M76A	X	-7.999	-7.999	0	%100
60	M76A	Z	4.618	4.618	0	%100
61	M77A	X	-2.256	-2.256	0	%100
62	M77A	Z	1.303	1.303	0	%100
63	M78	X	-2.256	-2.256	0	%100
64	M78	Z	1.303	1.303	0	%100
65	M79A	X	-4.5	-4.5	0	%100
66	M79A	Z	2.598	2.598	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, %]
67	M82	X	-2.499	-2.499	0	%100
68	M82	Z	1.443	1.443	0	%100
69	M83A	X	-9.996	-9.996	0	%100
70	M83A	Z	5.771	5.771	0	%100
71	M87	X	-13.501	-13.501	0	%100
72	M87	Z	7.795	7.795	0	%100
73	M88A	X	-4.584	-4.584	0	%100
74	M88A	Z	2.646	2.646	0	%100
75	M90	X	-4.828	-4.828	0	%100
76	M90	Z	2.787	2.787	0	%100
77	M92A	X	-13.501	-13.501	0	%100
78	M92A	Z	7.795	7.795	0	%100
79	M93	X	-18.334	-18.334	0	%100
80	M93	Z	10.585	10.585	0	%100
81	M95	X	-19.311	-19.311	0	%100
82	M95	Z	11.149	11.149	0	%100
83	M82A	X	-10.5	-10.5	0	%100
84	M82A	Z	6.062	6.062	0	%100
85	M91B	X	-2.625	-2.625	0	%100
86	M91B	Z	1.516	1.516	0	%100
87	MP3C	X	-7.125	-7.125	0	%100
88	MP3C	Z	4.114	4.114	0	%100
89	MP4C	X	-7.125	-7.125	0	%100
90	MP4C	Z	4.114	4.114	0	%100
91	MP2C	X	-7.125	-7.125	0	%100
92	MP2C	Z	4.114	4.114	0	%100
93	MP1C	X	-7.125	-7.125	0	%100
94	MP1C	Z	4.114	4.114	0	%100
95	MP3B	X	-7.125	-7.125	0	%100
96	MP3B	Z	4.114	4.114	0	%100
97	MP4B	X	-7.125	-7.125	0	%100
98	MP4B	Z	4.114	4.114	0	%100
99	MP2B	X	-7.125	-7.125	0	%100
100	MP2B	Z	4.114	4.114	0	%100
101	MP1B	X	-7.125	-7.125	0	%100
102	MP1B	Z	4.114	4.114	0	%100
103	OVP	X	-5.827	-5.827	0	%100
104	OVP	Z	3.364	3.364	0	%100
105	M102	X	-1.781	-1.781	0	%100
106	M102	Z	1.028	1.028	0	%100
107	M105	X	-7.125	-7.125	0	%100
108	M105	Z	4.114	4.114	0	%100
109	M108	X	-1.781	-1.781	0	%100
110	M108	Z	1.028	1.028	0	%100
111	M123A	X	-2.703	-2.703	0	%100
112	M123A	Z	1.561	1.561	0	%100
113	M124A	X	-10.812	-10.812	0	%100
114	M124A	Z	6.242	6.242	0	%100
115	M125A	X	-2.703	-2.703	0	%100
116	M125A	Z	1.561	1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-12.315	-12.315	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, %]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-8.228	-8.228	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-8.228	-8.228	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-8.228	-8.228	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-8.228	-8.228	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-8.656	-8.656	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-8.656	-8.656	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-20.786	-20.786	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-15.878	-15.878	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-16.724	-16.724	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-20.786	-20.786	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-15.878	-15.878	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-16.724	-16.724	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-3.079	-3.079	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-7.816	-7.816	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-7.816	-7.816	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-15.589	-15.589	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-8.656	-8.656	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-5.196	-5.196	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-15.878	-15.878	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-16.724	-16.724	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-5.196	-5.196	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-3.079	-3.079	0	%100
60	M76A	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, %]
61	M77A	X	-7.816	-7.816	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-7.816	-7.816	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-15.589	-15.589	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-8.656	-8.656	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-5.196	-5.196	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-5.196	-5.196	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-15.878	-15.878	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-16.724	-16.724	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-9.094	-9.094	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-9.094	-9.094	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-8.228	-8.228	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-8.228	-8.228	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-8.228	-8.228	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-8.228	-8.228	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-8.228	-8.228	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-8.228	-8.228	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-8.228	-8.228	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-8.228	-8.228	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-6.728	-6.728	0	%100
104	OVP	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M105	X	-6.171	-6.171	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	-6.171	-6.171	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	-9.363	-9.363	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	-9.363	-9.363	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.625	-2.625	0	%100
2	M1	Z	-1.516	-1.516	0	%100
3	M4	X	-7.999	-7.999	0	%100
4	M4	Z	-4.618	-4.618	0	%100
5	M10	X	-2.256	-2.256	0	%100
6	M10	Z	-1.303	-1.303	0	%100
7	MP3A	X	-7.125	-7.125	0	%100
8	MP3A	Z	-4.114	-4.114	0	%100
9	MP4A	X	-7.125	-7.125	0	%100
10	MP4A	Z	-4.114	-4.114	0	%100
11	MP2A	X	-7.125	-7.125	0	%100
12	MP2A	Z	-4.114	-4.114	0	%100
13	MP1A	X	-7.125	-7.125	0	%100
14	MP1A	Z	-4.114	-4.114	0	%100
15	M43	X	-2.256	-2.256	0	%100
16	M43	Z	-1.303	-1.303	0	%100
17	M46	X	-4.5	-4.5	0	%100
18	M46	Z	-2.598	-2.598	0	%100
19	M51B	X	-2.499	-2.499	0	%100
20	M51B	Z	-1.443	-1.443	0	%100
21	M52B	X	-9.996	-9.996	0	%100
22	M52B	Z	-5.771	-5.771	0	%100
23	M76	X	-13.501	-13.501	0	%100
24	M76	Z	-7.795	-7.795	0	%100
25	M77	X	-4.584	-4.584	0	%100
26	M77	Z	-2.646	-2.646	0	%100
27	M80	X	-4.828	-4.828	0	%100
28	M80	Z	-2.787	-2.787	0	%100
29	M84	X	-13.501	-13.501	0	%100
30	M84	Z	-7.795	-7.795	0	%100
31	M85	X	-18.334	-18.334	0	%100
32	M85	Z	-10.585	-10.585	0	%100
33	M91	X	-19.311	-19.311	0	%100
34	M91	Z	-11.149	-11.149	0	%100
35	M52A	X	-7.999	-7.999	0	%100
36	M52A	Z	-4.618	-4.618	0	%100
37	M53	X	-2.256	-2.256	0	%100
38	M53	Z	-1.303	-1.303	0	%100
39	M54	X	-2.256	-2.256	0	%100
40	M54	Z	-1.303	-1.303	0	%100
41	M55	X	-4.5	-4.5	0	%100
42	M55	Z	-2.598	-2.598	0	%100
43	M58A	X	-9.996	-9.996	0	%100
44	M58A	Z	-5.771	-5.771	0	%100
45	M59A	X	-2.499	-2.499	0	%100
46	M59A	Z	-1.443	-1.443	0	%100
47	M63	X	-13.501	-13.501	0	%100
48	M63	Z	-7.795	-7.795	0	%100
49	M64	X	-18.334	-18.334	0	%100
50	M64	Z	-10.585	-10.585	0	%100
51	M66	X	-19.311	-19.311	0	%100
52	M66	Z	-11.149	-11.149	0	%100
53	M68	X	-13.501	-13.501	0	%100
54	M68	Z	-7.795	-7.795	0	%100
55	M69	X	-4.584	-4.584	0	%100
56	M69	Z	-2.646	-2.646	0	%100
57	M71	X	-4.828	-4.828	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,%
58	M71	Z	-2.787	-2.787	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-9.025	-9.025	0	%100
62	M77A	Z	-5.21	-5.21	0	%100
63	M78	X	-9.025	-9.025	0	%100
64	M78	Z	-5.21	-5.21	0	%100
65	M79A	X	-18.001	-18.001	0	%100
66	M79A	Z	-10.393	-10.393	0	%100
67	M82	X	-2.499	-2.499	0	%100
68	M82	Z	-1.443	-1.443	0	%100
69	M83A	X	-2.499	-2.499	0	%100
70	M83A	Z	-1.443	-1.443	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-4.584	-4.584	0	%100
74	M88A	Z	-2.646	-2.646	0	%100
75	M90	X	-4.828	-4.828	0	%100
76	M90	Z	-2.787	-2.787	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-4.584	-4.584	0	%100
80	M93	Z	-2.646	-2.646	0	%100
81	M95	X	-4.828	-4.828	0	%100
82	M95	Z	-2.787	-2.787	0	%100
83	M82A	X	-2.625	-2.625	0	%100
84	M82A	Z	-1.516	-1.516	0	%100
85	M91B	X	-10.5	-10.5	0	%100
86	M91B	Z	-6.062	-6.062	0	%100
87	MP3C	X	-7.125	-7.125	0	%100
88	MP3C	Z	-4.114	-4.114	0	%100
89	MP4C	X	-7.125	-7.125	0	%100
90	MP4C	Z	-4.114	-4.114	0	%100
91	MP2C	X	-7.125	-7.125	0	%100
92	MP2C	Z	-4.114	-4.114	0	%100
93	MP1C	X	-7.125	-7.125	0	%100
94	MP1C	Z	-4.114	-4.114	0	%100
95	MP3B	X	-7.125	-7.125	0	%100
96	MP3B	Z	-4.114	-4.114	0	%100
97	MP4B	X	-7.125	-7.125	0	%100
98	MP4B	Z	-4.114	-4.114	0	%100
99	MP2B	X	-7.125	-7.125	0	%100
100	MP2B	Z	-4.114	-4.114	0	%100
101	MP1B	X	-7.125	-7.125	0	%100
102	MP1B	Z	-4.114	-4.114	0	%100
103	OVP	X	-5.827	-5.827	0	%100
104	OVP	Z	-3.364	-3.364	0	%100
105	M102	X	-1.781	-1.781	0	%100
106	M102	Z	-1.028	-1.028	0	%100
107	M105	X	-1.781	-1.781	0	%100
108	M105	Z	-1.028	-1.028	0	%100
109	M108	X	-7.125	-7.125	0	%100
110	M108	Z	-4.114	-4.114	0	%100
111	M123A	X	-10.812	-10.812	0	%100
112	M123A	Z	-6.242	-6.242	0	%100
113	M124A	X	-2.703	-2.703	0	%100
114	M124A	Z	-1.561	-1.561	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, %]
115	M125A	X	-2.703	-2.703	0	%100
116	M125A	Z	-1.561	-1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-4.547	-4.547	0	%100
2	M1	Z	-7.875	-7.875	0	%100
3	M4	X	-1.539	-1.539	0	%100
4	M4	Z	-2.666	-2.666	0	%100
5	M10	X	-3.908	-3.908	0	%100
6	M10	Z	-6.769	-6.769	0	%100
7	MP3A	X	-4.114	-4.114	0	%100
8	MP3A	Z	-7.125	-7.125	0	%100
9	MP4A	X	-4.114	-4.114	0	%100
10	MP4A	Z	-7.125	-7.125	0	%100
11	MP2A	X	-4.114	-4.114	0	%100
12	MP2A	Z	-7.125	-7.125	0	%100
13	MP1A	X	-4.114	-4.114	0	%100
14	MP1A	Z	-7.125	-7.125	0	%100
15	M43	X	-3.908	-3.908	0	%100
16	M43	Z	-6.769	-6.769	0	%100
17	M46	X	-7.795	-7.795	0	%100
18	M46	Z	-13.501	-13.501	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-4.328	-4.328	0	%100
22	M52B	Z	-7.497	-7.497	0	%100
23	M76	X	-2.598	-2.598	0	%100
24	M76	Z	-4.5	-4.5	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-2.598	-2.598	0	%100
30	M84	Z	-4.5	-4.5	0	%100
31	M85	X	-7.939	-7.939	0	%100
32	M85	Z	-13.751	-13.751	0	%100
33	M91	X	-8.362	-8.362	0	%100
34	M91	Z	-14.483	-14.483	0	%100
35	M52A	X	-6.158	-6.158	0	%100
36	M52A	Z	-10.665	-10.665	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-4.328	-4.328	0	%100
44	M58A	Z	-7.497	-7.497	0	%100
45	M59A	X	-4.328	-4.328	0	%100
46	M59A	Z	-7.497	-7.497	0	%100
47	M63	X	-10.393	-10.393	0	%100
48	M63	Z	-18.001	-18.001	0	%100
49	M64	X	-7.939	-7.939	0	%100
50	M64	Z	-13.751	-13.751	0	%100
51	M66	X	-8.362	-8.362	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,%]
52	M66	Z	-14.483	-14.483	0	%100
53	M68	X	-10.393	-10.393	0	%100
54	M68	Z	-18.001	-18.001	0	%100
55	M69	X	-7.939	-7.939	0	%100
56	M69	Z	-13.751	-13.751	0	%100
57	M71	X	-8.362	-8.362	0	%100
58	M71	Z	-14.483	-14.483	0	%100
59	M76A	X	-1.539	-1.539	0	%100
60	M76A	Z	-2.666	-2.666	0	%100
61	M77A	X	-3.908	-3.908	0	%100
62	M77A	Z	-6.769	-6.769	0	%100
63	M78	X	-3.908	-3.908	0	%100
64	M78	Z	-6.769	-6.769	0	%100
65	M79A	X	-7.795	-7.795	0	%100
66	M79A	Z	-13.501	-13.501	0	%100
67	M82	X	-4.328	-4.328	0	%100
68	M82	Z	-7.497	-7.497	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-2.598	-2.598	0	%100
72	M87	Z	-4.5	-4.5	0	%100
73	M88A	X	-7.939	-7.939	0	%100
74	M88A	Z	-13.751	-13.751	0	%100
75	M90	X	-8.362	-8.362	0	%100
76	M90	Z	-14.483	-14.483	0	%100
77	M92A	X	-2.598	-2.598	0	%100
78	M92A	Z	-4.5	-4.5	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-4.547	-4.547	0	%100
86	M91B	Z	-7.875	-7.875	0	%100
87	MP3C	X	-4.114	-4.114	0	%100
88	MP3C	Z	-7.125	-7.125	0	%100
89	MP4C	X	-4.114	-4.114	0	%100
90	MP4C	Z	-7.125	-7.125	0	%100
91	MP2C	X	-4.114	-4.114	0	%100
92	MP2C	Z	-7.125	-7.125	0	%100
93	MP1C	X	-4.114	-4.114	0	%100
94	MP1C	Z	-7.125	-7.125	0	%100
95	MP3B	X	-4.114	-4.114	0	%100
96	MP3B	Z	-7.125	-7.125	0	%100
97	MP4B	X	-4.114	-4.114	0	%100
98	MP4B	Z	-7.125	-7.125	0	%100
99	MP2B	X	-4.114	-4.114	0	%100
100	MP2B	Z	-7.125	-7.125	0	%100
101	MP1B	X	-4.114	-4.114	0	%100
102	MP1B	Z	-7.125	-7.125	0	%100
103	OVP	X	-3.364	-3.364	0	%100
104	OVP	Z	-5.827	-5.827	0	%100
105	M102	X	-3.085	-3.085	0	%100
106	M102	Z	-5.344	-5.344	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M108	X	-3.085	-3.085	0	%100
110	M108	Z	-5.344	-5.344	0	%100
111	M123A	X	-4.682	-4.682	0	%100
112	M123A	Z	-8.109	-8.109	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	-4.682	-4.682	0	%100
116	M125A	Z	-8.109	-8.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-3.312	-3.312	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-2.727	-2.727	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-2.668	-2.668	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-2.668	-2.668	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-2.668	-2.668	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.668	-2.668	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-2.727	-2.727	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-4.269	-4.269	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.785	-.785	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.785	-.785	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.065	-1.065	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.112	-1.112	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.065	-1.065	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.112	-1.112	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-2.508	-2.508	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.682	-.682	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.682	-.682	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-1.067	-1.067	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.785	-.785	0	%100
45	M59A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M59A	Z	-3.139	-3.139	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-3.149	-3.149	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-1.065	-1.065	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-1.112	-1.112	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-3.149	-3.149	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-4.262	-4.262	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-4.448	-4.448	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-2.508	-2.508	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.682	-.682	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.682	-.682	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-1.067	-1.067	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-3.139	-3.139	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.785	-.785	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-3.149	-3.149	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-4.262	-4.262	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-4.448	-4.448	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-3.149	-3.149	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-1.065	-1.065	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.112	-1.112	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.828	-.828	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.828	-.828	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-2.668	-2.668	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-2.668	-2.668	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-2.668	-2.668	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-2.668	-2.668	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-2.668	-2.668	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-2.668	-2.668	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-2.668	-2.668	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-2.668	-2.668	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, %]
103	OVP	X	0	0	0	%100
104	OVP	Z	-2.196	-2.196	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-2.668	-2.668	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	-.667	-.667	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	-.667	-.667	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	-.757	-.757	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	-.757	-.757	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	-3.028	-3.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.242	1.242	0	%100
2	M1	Z	-2.151	-2.151	0	%100
3	M4	X	.418	.418	0	%100
4	M4	Z	-.724	-.724	0	%100
5	M10	X	1.023	1.023	0	%100
6	M10	Z	-1.771	-1.771	0	%100
7	MP3A	X	1.334	1.334	0	%100
8	MP3A	Z	-2.311	-2.311	0	%100
9	MP4A	X	1.334	1.334	0	%100
10	MP4A	Z	-2.311	-2.311	0	%100
11	MP2A	X	1.334	1.334	0	%100
12	MP2A	Z	-2.311	-2.311	0	%100
13	MP1A	X	1.334	1.334	0	%100
14	MP1A	Z	-2.311	-2.311	0	%100
15	M43	X	1.023	1.023	0	%100
16	M43	Z	-1.771	-1.771	0	%100
17	M46	X	1.601	1.601	0	%100
18	M46	Z	-2.773	-2.773	0	%100
19	M51B	X	1.177	1.177	0	%100
20	M51B	Z	-2.039	-2.039	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.525	.525	0	%100
24	M76	Z	-.909	-.909	0	%100
25	M77	X	1.598	1.598	0	%100
26	M77	Z	-2.768	-2.768	0	%100
27	M80	X	1.668	1.668	0	%100
28	M80	Z	-2.889	-2.889	0	%100
29	M84	X	.525	.525	0	%100
30	M84	Z	-.909	-.909	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.418	.418	0	%100
36	M52A	Z	-.724	-.724	0	%100
37	M53	X	1.023	1.023	0	%100
38	M53	Z	-1.771	-1.771	0	%100
39	M54	X	1.023	1.023	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,%]
40	M54	Z	-1.771	-1.771	0	%100
41	M55	X	1.601	1.601	0	%100
42	M55	Z	-2.773	-2.773	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	1.177	1.177	0	%100
46	M59A	Z	-2.039	-2.039	0	%100
47	M63	X	.525	.525	0	%100
48	M63	Z	-.909	-.909	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.525	.525	0	%100
54	M68	Z	-.909	-.909	0	%100
55	M69	X	1.598	1.598	0	%100
56	M69	Z	-2.768	-2.768	0	%100
57	M71	X	1.668	1.668	0	%100
58	M71	Z	-2.889	-2.889	0	%100
59	M76A	X	1.672	1.672	0	%100
60	M76A	Z	-2.896	-2.896	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	1.177	1.177	0	%100
68	M82	Z	-2.039	-2.039	0	%100
69	M83A	X	1.177	1.177	0	%100
70	M83A	Z	-2.039	-2.039	0	%100
71	M87	X	2.099	2.099	0	%100
72	M87	Z	-3.636	-3.636	0	%100
73	M88A	X	1.598	1.598	0	%100
74	M88A	Z	-2.768	-2.768	0	%100
75	M90	X	1.668	1.668	0	%100
76	M90	Z	-2.889	-2.889	0	%100
77	M92A	X	2.099	2.099	0	%100
78	M92A	Z	-3.636	-3.636	0	%100
79	M93	X	1.598	1.598	0	%100
80	M93	Z	-2.768	-2.768	0	%100
81	M95	X	1.668	1.668	0	%100
82	M95	Z	-2.889	-2.889	0	%100
83	M82A	X	1.242	1.242	0	%100
84	M82A	Z	-2.151	-2.151	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	1.334	1.334	0	%100
88	MP3C	Z	-2.311	-2.311	0	%100
89	MP4C	X	1.334	1.334	0	%100
90	MP4C	Z	-2.311	-2.311	0	%100
91	MP2C	X	1.334	1.334	0	%100
92	MP2C	Z	-2.311	-2.311	0	%100
93	MP1C	X	1.334	1.334	0	%100
94	MP1C	Z	-2.311	-2.311	0	%100
95	MP3B	X	1.334	1.334	0	%100
96	MP3B	Z	-2.311	-2.311	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, %]
97	MP4B	X	1.334	1.334	0	%100
98	MP4B	Z	-2.311	-2.311	0	%100
99	MP2B	X	1.334	1.334	0	%100
100	MP2B	Z	-2.311	-2.311	0	%100
101	MP1B	X	1.334	1.334	0	%100
102	MP1B	Z	-2.311	-2.311	0	%100
103	OVP	X	1.098	1.098	0	%100
104	OVP	Z	-1.902	-1.902	0	%100
105	M102	X	1.001	1.001	0	%100
106	M102	Z	-1.733	-1.733	0	%100
107	M105	X	1.001	1.001	0	%100
108	M105	Z	-1.733	-1.733	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	1.135	1.135	0	%100
114	M124A	Z	-1.967	-1.967	0	%100
115	M125A	X	1.135	1.135	0	%100
116	M125A	Z	-1.967	-1.967	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.717	.717	0	%100
2	M1	Z	-.414	-.414	0	%100
3	M4	X	2.172	2.172	0	%100
4	M4	Z	-1.254	-1.254	0	%100
5	M10	X	.59	.59	0	%100
6	M10	Z	-.341	-.341	0	%100
7	MP3A	X	2.311	2.311	0	%100
8	MP3A	Z	-1.334	-1.334	0	%100
9	MP4A	X	2.311	2.311	0	%100
10	MP4A	Z	-1.334	-1.334	0	%100
11	MP2A	X	2.311	2.311	0	%100
12	MP2A	Z	-1.334	-1.334	0	%100
13	MP1A	X	2.311	2.311	0	%100
14	MP1A	Z	-1.334	-1.334	0	%100
15	M43	X	.59	.59	0	%100
16	M43	Z	-.341	-.341	0	%100
17	M46	X	.924	.924	0	%100
18	M46	Z	-.534	-.534	0	%100
19	M51B	X	2.719	2.719	0	%100
20	M51B	Z	-1.57	-1.57	0	%100
21	M52B	X	.68	.68	0	%100
22	M52B	Z	-.392	-.392	0	%100
23	M76	X	2.727	2.727	0	%100
24	M76	Z	-1.574	-1.574	0	%100
25	M77	X	3.691	3.691	0	%100
26	M77	Z	-2.131	-2.131	0	%100
27	M80	X	3.852	3.852	0	%100
28	M80	Z	-2.224	-2.224	0	%100
29	M84	X	2.727	2.727	0	%100
30	M84	Z	-1.574	-1.574	0	%100
31	M85	X	.923	.923	0	%100
32	M85	Z	-.533	-.533	0	%100
33	M91	X	.963	.963	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	-.556	-.556	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.362	2.362	0	%100
38	M53	Z	-1.363	-1.363	0	%100
39	M54	X	2.362	2.362	0	%100
40	M54	Z	-1.363	-1.363	0	%100
41	M55	X	3.697	3.697	0	%100
42	M55	Z	-2.134	-2.134	0	%100
43	M58A	X	.68	.68	0	%100
44	M58A	Z	-.392	-.392	0	%100
45	M59A	X	.68	.68	0	%100
46	M59A	Z	-.392	-.392	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.923	.923	0	%100
50	M64	Z	-.533	-.533	0	%100
51	M66	X	.963	.963	0	%100
52	M66	Z	-.556	-.556	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.923	.923	0	%100
56	M69	Z	-.533	-.533	0	%100
57	M71	X	.963	.963	0	%100
58	M71	Z	-.556	-.556	0	%100
59	M76A	X	2.172	2.172	0	%100
60	M76A	Z	-1.254	-1.254	0	%100
61	M77A	X	.59	.59	0	%100
62	M77A	Z	-.341	-.341	0	%100
63	M78	X	.59	.59	0	%100
64	M78	Z	-.341	-.341	0	%100
65	M79A	X	.924	.924	0	%100
66	M79A	Z	-.534	-.534	0	%100
67	M82	X	.68	.68	0	%100
68	M82	Z	-.392	-.392	0	%100
69	M83A	X	2.719	2.719	0	%100
70	M83A	Z	-1.57	-1.57	0	%100
71	M87	X	2.727	2.727	0	%100
72	M87	Z	-1.574	-1.574	0	%100
73	M88A	X	.923	.923	0	%100
74	M88A	Z	-.533	-.533	0	%100
75	M90	X	.963	.963	0	%100
76	M90	Z	-.556	-.556	0	%100
77	M92A	X	2.727	2.727	0	%100
78	M92A	Z	-1.574	-1.574	0	%100
79	M93	X	3.691	3.691	0	%100
80	M93	Z	-2.131	-2.131	0	%100
81	M95	X	3.852	3.852	0	%100
82	M95	Z	-2.224	-2.224	0	%100
83	M82A	X	2.868	2.868	0	%100
84	M82A	Z	-1.656	-1.656	0	%100
85	M91B	X	.717	.717	0	%100
86	M91B	Z	-.414	-.414	0	%100
87	MP3C	X	2.311	2.311	0	%100
88	MP3C	Z	-1.334	-1.334	0	%100
89	MP4C	X	2.311	2.311	0	%100
90	MP4C	Z	-1.334	-1.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	2.311	2.311	0	%100
92	MP2C	Z	-1.334	-1.334	0	%100
93	MP1C	X	2.311	2.311	0	%100
94	MP1C	Z	-1.334	-1.334	0	%100
95	MP3B	X	2.311	2.311	0	%100
96	MP3B	Z	-1.334	-1.334	0	%100
97	MP4B	X	2.311	2.311	0	%100
98	MP4B	Z	-1.334	-1.334	0	%100
99	MP2B	X	2.311	2.311	0	%100
100	MP2B	Z	-1.334	-1.334	0	%100
101	MP1B	X	2.311	2.311	0	%100
102	MP1B	Z	-1.334	-1.334	0	%100
103	OVP	X	1.902	1.902	0	%100
104	OVP	Z	-1.098	-1.098	0	%100
105	M102	X	.578	.578	0	%100
106	M102	Z	-.334	-.334	0	%100
107	M105	X	2.311	2.311	0	%100
108	M105	Z	-1.334	-1.334	0	%100
109	M108	X	.578	.578	0	%100
110	M108	Z	-.334	-.334	0	%100
111	M123A	X	.656	.656	0	%100
112	M123A	Z	-.378	-.378	0	%100
113	M124A	X	2.622	2.622	0	%100
114	M124A	Z	-1.514	-1.514	0	%100
115	M125A	X	.656	.656	0	%100
116	M125A	Z	-.378	-.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.344	3.344	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	2.668	2.668	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	2.668	2.668	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	2.668	2.668	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	2.668	2.668	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	2.355	2.355	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.355	2.355	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	4.198	4.198	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.196	3.196	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	3.336	3.336	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,%]
28	M80	Z	0	0	0	%100
29	M84	X	4.198	4.198	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.196	3.196	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	3.336	3.336	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.836	.836	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.045	2.045	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	2.045	2.045	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	3.201	3.201	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	2.355	2.355	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	1.05	1.05	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	3.196	3.196	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	3.336	3.336	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	1.05	1.05	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.836	.836	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.045	2.045	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	2.045	2.045	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	3.201	3.201	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	2.355	2.355	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	1.05	1.05	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	1.05	1.05	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	3.196	3.196	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	3.336	3.336	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	2.484	2.484	0	%100
84	M82A	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, %]
85	M91B	X	2.484	2.484	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	2.668	2.668	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	2.668	2.668	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	2.668	2.668	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	2.668	2.668	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	2.668	2.668	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	2.668	2.668	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	2.668	2.668	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	2.668	2.668	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	2.196	2.196	0	%100
104	OVP	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M105	X	2.001	2.001	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	2.001	2.001	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	2.271	2.271	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	2.271	2.271	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.717	.717	0	%100
2	M1	Z	.414	.414	0	%100
3	M4	X	2.172	2.172	0	%100
4	M4	Z	1.254	1.254	0	%100
5	M10	X	.59	.59	0	%100
6	M10	Z	.341	.341	0	%100
7	MP3A	X	2.311	2.311	0	%100
8	MP3A	Z	1.334	1.334	0	%100
9	MP4A	X	2.311	2.311	0	%100
10	MP4A	Z	1.334	1.334	0	%100
11	MP2A	X	2.311	2.311	0	%100
12	MP2A	Z	1.334	1.334	0	%100
13	MP1A	X	2.311	2.311	0	%100
14	MP1A	Z	1.334	1.334	0	%100
15	M43	X	.59	.59	0	%100
16	M43	Z	.341	.341	0	%100
17	M46	X	.924	.924	0	%100
18	M46	Z	.534	.534	0	%100
19	M51B	X	.68	.68	0	%100
20	M51B	Z	.392	.392	0	%100
21	M52B	X	2.719	2.719	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,%
22	M52B	Z	1.57	1.57	0	%100
23	M76	X	2.727	2.727	0	%100
24	M76	Z	1.574	1.574	0	%100
25	M77	X	.923	.923	0	%100
26	M77	Z	.533	.533	0	%100
27	M80	X	.963	.963	0	%100
28	M80	Z	.556	.556	0	%100
29	M84	X	2.727	2.727	0	%100
30	M84	Z	1.574	1.574	0	%100
31	M85	X	3.691	3.691	0	%100
32	M85	Z	2.131	2.131	0	%100
33	M91	X	3.852	3.852	0	%100
34	M91	Z	2.224	2.224	0	%100
35	M52A	X	2.172	2.172	0	%100
36	M52A	Z	1.254	1.254	0	%100
37	M53	X	.59	.59	0	%100
38	M53	Z	.341	.341	0	%100
39	M54	X	.59	.59	0	%100
40	M54	Z	.341	.341	0	%100
41	M55	X	.924	.924	0	%100
42	M55	Z	.534	.534	0	%100
43	M58A	X	2.719	2.719	0	%100
44	M58A	Z	1.57	1.57	0	%100
45	M59A	X	.68	.68	0	%100
46	M59A	Z	.392	.392	0	%100
47	M63	X	2.727	2.727	0	%100
48	M63	Z	1.574	1.574	0	%100
49	M64	X	3.691	3.691	0	%100
50	M64	Z	2.131	2.131	0	%100
51	M66	X	3.852	3.852	0	%100
52	M66	Z	2.224	2.224	0	%100
53	M68	X	2.727	2.727	0	%100
54	M68	Z	1.574	1.574	0	%100
55	M69	X	.923	.923	0	%100
56	M69	Z	.533	.533	0	%100
57	M71	X	.963	.963	0	%100
58	M71	Z	.556	.556	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.362	2.362	0	%100
62	M77A	Z	1.363	1.363	0	%100
63	M78	X	2.362	2.362	0	%100
64	M78	Z	1.363	1.363	0	%100
65	M79A	X	3.697	3.697	0	%100
66	M79A	Z	2.134	2.134	0	%100
67	M82	X	.68	.68	0	%100
68	M82	Z	.392	.392	0	%100
69	M83A	X	.68	.68	0	%100
70	M83A	Z	.392	.392	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.923	.923	0	%100
74	M88A	Z	.533	.533	0	%100
75	M90	X	.963	.963	0	%100
76	M90	Z	.556	.556	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	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, %]
79	M93	X	.923	.923	0	%100
80	M93	Z	.533	.533	0	%100
81	M95	X	.963	.963	0	%100
82	M95	Z	.556	.556	0	%100
83	M82A	X	.717	.717	0	%100
84	M82A	Z	.414	.414	0	%100
85	M91B	X	2.868	2.868	0	%100
86	M91B	Z	1.656	1.656	0	%100
87	MP3C	X	2.311	2.311	0	%100
88	MP3C	Z	1.334	1.334	0	%100
89	MP4C	X	2.311	2.311	0	%100
90	MP4C	Z	1.334	1.334	0	%100
91	MP2C	X	2.311	2.311	0	%100
92	MP2C	Z	1.334	1.334	0	%100
93	MP1C	X	2.311	2.311	0	%100
94	MP1C	Z	1.334	1.334	0	%100
95	MP3B	X	2.311	2.311	0	%100
96	MP3B	Z	1.334	1.334	0	%100
97	MP4B	X	2.311	2.311	0	%100
98	MP4B	Z	1.334	1.334	0	%100
99	MP2B	X	2.311	2.311	0	%100
100	MP2B	Z	1.334	1.334	0	%100
101	MP1B	X	2.311	2.311	0	%100
102	MP1B	Z	1.334	1.334	0	%100
103	OVP	X	1.902	1.902	0	%100
104	OVP	Z	1.098	1.098	0	%100
105	M102	X	.578	.578	0	%100
106	M102	Z	.334	.334	0	%100
107	M105	X	.578	.578	0	%100
108	M105	Z	.334	.334	0	%100
109	M108	X	2.311	2.311	0	%100
110	M108	Z	1.334	1.334	0	%100
111	M123A	X	2.622	2.622	0	%100
112	M123A	Z	1.514	1.514	0	%100
113	M124A	X	.656	.656	0	%100
114	M124A	Z	.378	.378	0	%100
115	M125A	X	.656	.656	0	%100
116	M125A	Z	.378	.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.242	1.242	0	%100
2	M1	Z	2.151	2.151	0	%100
3	M4	X	.418	.418	0	%100
4	M4	Z	.724	.724	0	%100
5	M10	X	1.023	1.023	0	%100
6	M10	Z	1.771	1.771	0	%100
7	MP3A	X	1.334	1.334	0	%100
8	MP3A	Z	2.311	2.311	0	%100
9	MP4A	X	1.334	1.334	0	%100
10	MP4A	Z	2.311	2.311	0	%100
11	MP2A	X	1.334	1.334	0	%100
12	MP2A	Z	2.311	2.311	0	%100
13	MP1A	X	1.334	1.334	0	%100
14	MP1A	Z	2.311	2.311	0	%100
15	M43	X	1.023	1.023	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,%]
16	M43	Z	1.771	1.771	0	%100
17	M46	X	1.601	1.601	0	%100
18	M46	Z	2.773	2.773	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.177	1.177	0	%100
22	M52B	Z	2.039	2.039	0	%100
23	M76	X	.525	.525	0	%100
24	M76	Z	.909	.909	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.525	.525	0	%100
30	M84	Z	.909	.909	0	%100
31	M85	X	1.598	1.598	0	%100
32	M85	Z	2.768	2.768	0	%100
33	M91	X	1.668	1.668	0	%100
34	M91	Z	2.889	2.889	0	%100
35	M52A	X	1.672	1.672	0	%100
36	M52A	Z	2.896	2.896	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	1.177	1.177	0	%100
44	M58A	Z	2.039	2.039	0	%100
45	M59A	X	1.177	1.177	0	%100
46	M59A	Z	2.039	2.039	0	%100
47	M63	X	2.099	2.099	0	%100
48	M63	Z	3.636	3.636	0	%100
49	M64	X	1.598	1.598	0	%100
50	M64	Z	2.768	2.768	0	%100
51	M66	X	1.668	1.668	0	%100
52	M66	Z	2.889	2.889	0	%100
53	M68	X	2.099	2.099	0	%100
54	M68	Z	3.636	3.636	0	%100
55	M69	X	1.598	1.598	0	%100
56	M69	Z	2.768	2.768	0	%100
57	M71	X	1.668	1.668	0	%100
58	M71	Z	2.889	2.889	0	%100
59	M76A	X	.418	.418	0	%100
60	M76A	Z	.724	.724	0	%100
61	M77A	X	1.023	1.023	0	%100
62	M77A	Z	1.771	1.771	0	%100
63	M78	X	1.023	1.023	0	%100
64	M78	Z	1.771	1.771	0	%100
65	M79A	X	1.601	1.601	0	%100
66	M79A	Z	2.773	2.773	0	%100
67	M82	X	1.177	1.177	0	%100
68	M82	Z	2.039	2.039	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.525	.525	0	%100
72	M87	Z	.909	.909	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, %]
73	M88A	X	1.598	1.598	0	%100
74	M88A	Z	2.768	2.768	0	%100
75	M90	X	1.668	1.668	0	%100
76	M90	Z	2.889	2.889	0	%100
77	M92A	X	.525	.525	0	%100
78	M92A	Z	.909	.909	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	1.242	1.242	0	%100
86	M91B	Z	2.151	2.151	0	%100
87	MP3C	X	1.334	1.334	0	%100
88	MP3C	Z	2.311	2.311	0	%100
89	MP4C	X	1.334	1.334	0	%100
90	MP4C	Z	2.311	2.311	0	%100
91	MP2C	X	1.334	1.334	0	%100
92	MP2C	Z	2.311	2.311	0	%100
93	MP1C	X	1.334	1.334	0	%100
94	MP1C	Z	2.311	2.311	0	%100
95	MP3B	X	1.334	1.334	0	%100
96	MP3B	Z	2.311	2.311	0	%100
97	MP4B	X	1.334	1.334	0	%100
98	MP4B	Z	2.311	2.311	0	%100
99	MP2B	X	1.334	1.334	0	%100
100	MP2B	Z	2.311	2.311	0	%100
101	MP1B	X	1.334	1.334	0	%100
102	MP1B	Z	2.311	2.311	0	%100
103	OVP	X	1.098	1.098	0	%100
104	OVP	Z	1.902	1.902	0	%100
105	M102	X	1.001	1.001	0	%100
106	M102	Z	1.733	1.733	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	1.001	1.001	0	%100
110	M108	Z	1.733	1.733	0	%100
111	M123A	X	1.135	1.135	0	%100
112	M123A	Z	1.967	1.967	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	1.135	1.135	0	%100
116	M125A	Z	1.967	1.967	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	3.312	3.312	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.727	2.727	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	2.668	2.668	0	%100
9	MP4A	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, %]
10	MP4A	Z	2.668	2.668	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	2.668	2.668	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.668	2.668	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	2.727	2.727	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	4.269	4.269	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.785	.785	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.785	.785	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.065	1.065	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.112	1.112	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.065	1.065	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.112	1.112	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	2.508	2.508	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.682	.682	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.682	.682	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	1.067	1.067	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.785	.785	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	3.139	3.139	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	3.149	3.149	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	1.065	1.065	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	1.112	1.112	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	3.149	3.149	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	4.262	4.262	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	4.448	4.448	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	2.508	2.508	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.682	.682	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.682	.682	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	1.067	1.067	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, %]
67	M82	X	0	0	0	%100
68	M82	Z	3.139	3.139	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.785	.785	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	3.149	3.149	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	4.262	4.262	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	4.448	4.448	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	3.149	3.149	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	1.065	1.065	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.112	1.112	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.828	.828	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.828	.828	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	2.668	2.668	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	2.668	2.668	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	2.668	2.668	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	2.668	2.668	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	2.668	2.668	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	2.668	2.668	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	2.668	2.668	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	2.668	2.668	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	2.196	2.196	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	2.668	2.668	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	.667	.667	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	.667	.667	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	.757	.757	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	.757	.757	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	3.028	3.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.242	-1.242	0	%100
2	M1	Z	2.151	2.151	0	%100
3	M4	X	-.418	-.418	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,%]
4	M4	Z	.724	.724	0	%100
5	M10	X	-1.023	-1.023	0	%100
6	M10	Z	1.771	1.771	0	%100
7	MP3A	X	-1.334	-1.334	0	%100
8	MP3A	Z	2.311	2.311	0	%100
9	MP4A	X	-1.334	-1.334	0	%100
10	MP4A	Z	2.311	2.311	0	%100
11	MP2A	X	-1.334	-1.334	0	%100
12	MP2A	Z	2.311	2.311	0	%100
13	MP1A	X	-1.334	-1.334	0	%100
14	MP1A	Z	2.311	2.311	0	%100
15	M43	X	-1.023	-1.023	0	%100
16	M43	Z	1.771	1.771	0	%100
17	M46	X	-1.601	-1.601	0	%100
18	M46	Z	2.773	2.773	0	%100
19	M51B	X	-1.177	-1.177	0	%100
20	M51B	Z	2.039	2.039	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.525	-.525	0	%100
24	M76	Z	.909	.909	0	%100
25	M77	X	-1.598	-1.598	0	%100
26	M77	Z	2.768	2.768	0	%100
27	M80	X	-1.668	-1.668	0	%100
28	M80	Z	2.889	2.889	0	%100
29	M84	X	-.525	-.525	0	%100
30	M84	Z	.909	.909	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.418	-.418	0	%100
36	M52A	Z	.724	.724	0	%100
37	M53	X	-1.023	-1.023	0	%100
38	M53	Z	1.771	1.771	0	%100
39	M54	X	-1.023	-1.023	0	%100
40	M54	Z	1.771	1.771	0	%100
41	M55	X	-1.601	-1.601	0	%100
42	M55	Z	2.773	2.773	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-1.177	-1.177	0	%100
46	M59A	Z	2.039	2.039	0	%100
47	M63	X	-.525	-.525	0	%100
48	M63	Z	.909	.909	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.525	-.525	0	%100
54	M68	Z	.909	.909	0	%100
55	M69	X	-1.598	-1.598	0	%100
56	M69	Z	2.768	2.768	0	%100
57	M71	X	-1.668	-1.668	0	%100
58	M71	Z	2.889	2.889	0	%100
59	M76A	X	-1.672	-1.672	0	%100
60	M76A	Z	2.896	2.896	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, %]
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-1.177	-1.177	0	%100
68	M82	Z	2.039	2.039	0	%100
69	M83A	X	-1.177	-1.177	0	%100
70	M83A	Z	2.039	2.039	0	%100
71	M87	X	-2.099	-2.099	0	%100
72	M87	Z	3.636	3.636	0	%100
73	M88A	X	-1.598	-1.598	0	%100
74	M88A	Z	2.768	2.768	0	%100
75	M90	X	-1.668	-1.668	0	%100
76	M90	Z	2.889	2.889	0	%100
77	M92A	X	-2.099	-2.099	0	%100
78	M92A	Z	3.636	3.636	0	%100
79	M93	X	-1.598	-1.598	0	%100
80	M93	Z	2.768	2.768	0	%100
81	M95	X	-1.668	-1.668	0	%100
82	M95	Z	2.889	2.889	0	%100
83	M82A	X	-1.242	-1.242	0	%100
84	M82A	Z	2.151	2.151	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-1.334	-1.334	0	%100
88	MP3C	Z	2.311	2.311	0	%100
89	MP4C	X	-1.334	-1.334	0	%100
90	MP4C	Z	2.311	2.311	0	%100
91	MP2C	X	-1.334	-1.334	0	%100
92	MP2C	Z	2.311	2.311	0	%100
93	MP1C	X	-1.334	-1.334	0	%100
94	MP1C	Z	2.311	2.311	0	%100
95	MP3B	X	-1.334	-1.334	0	%100
96	MP3B	Z	2.311	2.311	0	%100
97	MP4B	X	-1.334	-1.334	0	%100
98	MP4B	Z	2.311	2.311	0	%100
99	MP2B	X	-1.334	-1.334	0	%100
100	MP2B	Z	2.311	2.311	0	%100
101	MP1B	X	-1.334	-1.334	0	%100
102	MP1B	Z	2.311	2.311	0	%100
103	OVP	X	-1.098	-1.098	0	%100
104	OVP	Z	1.902	1.902	0	%100
105	M102	X	-1.001	-1.001	0	%100
106	M102	Z	1.733	1.733	0	%100
107	M105	X	-1.001	-1.001	0	%100
108	M105	Z	1.733	1.733	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	-1.135	-1.135	0	%100
114	M124A	Z	1.967	1.967	0	%100
115	M125A	X	-1.135	-1.135	0	%100
116	M125A	Z	1.967	1.967	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-717	-717	0	%100
2	M1	Z	.414	.414	0	%100
3	M4	X	-2.172	-2.172	0	%100
4	M4	Z	1.254	1.254	0	%100
5	M10	X	-.59	-.59	0	%100
6	M10	Z	.341	.341	0	%100
7	MP3A	X	-2.311	-2.311	0	%100
8	MP3A	Z	1.334	1.334	0	%100
9	MP4A	X	-2.311	-2.311	0	%100
10	MP4A	Z	1.334	1.334	0	%100
11	MP2A	X	-2.311	-2.311	0	%100
12	MP2A	Z	1.334	1.334	0	%100
13	MP1A	X	-2.311	-2.311	0	%100
14	MP1A	Z	1.334	1.334	0	%100
15	M43	X	-.59	-.59	0	%100
16	M43	Z	.341	.341	0	%100
17	M46	X	-.924	-.924	0	%100
18	M46	Z	.534	.534	0	%100
19	M51B	X	-2.719	-2.719	0	%100
20	M51B	Z	1.57	1.57	0	%100
21	M52B	X	-.68	-.68	0	%100
22	M52B	Z	.392	.392	0	%100
23	M76	X	-2.727	-2.727	0	%100
24	M76	Z	1.574	1.574	0	%100
25	M77	X	-3.691	-3.691	0	%100
26	M77	Z	2.131	2.131	0	%100
27	M80	X	-3.852	-3.852	0	%100
28	M80	Z	2.224	2.224	0	%100
29	M84	X	-2.727	-2.727	0	%100
30	M84	Z	1.574	1.574	0	%100
31	M85	X	-.923	-.923	0	%100
32	M85	Z	.533	.533	0	%100
33	M91	X	-.963	-.963	0	%100
34	M91	Z	.556	.556	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.362	-2.362	0	%100
38	M53	Z	1.363	1.363	0	%100
39	M54	X	-2.362	-2.362	0	%100
40	M54	Z	1.363	1.363	0	%100
41	M55	X	-3.697	-3.697	0	%100
42	M55	Z	2.134	2.134	0	%100
43	M58A	X	-.68	-.68	0	%100
44	M58A	Z	.392	.392	0	%100
45	M59A	X	-.68	-.68	0	%100
46	M59A	Z	.392	.392	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.923	-.923	0	%100
50	M64	Z	.533	.533	0	%100
51	M66	X	-.963	-.963	0	%100
52	M66	Z	.556	.556	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.923	-.923	0	%100
56	M69	Z	.533	.533	0	%100
57	M71	X	-.963	-.963	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,%]
58	M71	Z	.556	.556	0	%100
59	M76A	X	-2.172	-2.172	0	%100
60	M76A	Z	1.254	1.254	0	%100
61	M77A	X	-.59	-.59	0	%100
62	M77A	Z	.341	.341	0	%100
63	M78	X	-.59	-.59	0	%100
64	M78	Z	.341	.341	0	%100
65	M79A	X	-.924	-.924	0	%100
66	M79A	Z	.534	.534	0	%100
67	M82	X	-.68	-.68	0	%100
68	M82	Z	.392	.392	0	%100
69	M83A	X	-2.719	-2.719	0	%100
70	M83A	Z	1.57	1.57	0	%100
71	M87	X	-2.727	-2.727	0	%100
72	M87	Z	1.574	1.574	0	%100
73	M88A	X	-.923	-.923	0	%100
74	M88A	Z	.533	.533	0	%100
75	M90	X	-.963	-.963	0	%100
76	M90	Z	.556	.556	0	%100
77	M92A	X	-2.727	-2.727	0	%100
78	M92A	Z	1.574	1.574	0	%100
79	M93	X	-3.691	-3.691	0	%100
80	M93	Z	2.131	2.131	0	%100
81	M95	X	-3.852	-3.852	0	%100
82	M95	Z	2.224	2.224	0	%100
83	M82A	X	-2.868	-2.868	0	%100
84	M82A	Z	1.656	1.656	0	%100
85	M91B	X	-.717	-.717	0	%100
86	M91B	Z	.414	.414	0	%100
87	MP3C	X	-2.311	-2.311	0	%100
88	MP3C	Z	1.334	1.334	0	%100
89	MP4C	X	-2.311	-2.311	0	%100
90	MP4C	Z	1.334	1.334	0	%100
91	MP2C	X	-2.311	-2.311	0	%100
92	MP2C	Z	1.334	1.334	0	%100
93	MP1C	X	-2.311	-2.311	0	%100
94	MP1C	Z	1.334	1.334	0	%100
95	MP3B	X	-2.311	-2.311	0	%100
96	MP3B	Z	1.334	1.334	0	%100
97	MP4B	X	-2.311	-2.311	0	%100
98	MP4B	Z	1.334	1.334	0	%100
99	MP2B	X	-2.311	-2.311	0	%100
100	MP2B	Z	1.334	1.334	0	%100
101	MP1B	X	-2.311	-2.311	0	%100
102	MP1B	Z	1.334	1.334	0	%100
103	OVP	X	-1.902	-1.902	0	%100
104	OVP	Z	1.098	1.098	0	%100
105	M102	X	-.578	-.578	0	%100
106	M102	Z	.334	.334	0	%100
107	M105	X	-2.311	-2.311	0	%100
108	M105	Z	1.334	1.334	0	%100
109	M108	X	-.578	-.578	0	%100
110	M108	Z	.334	.334	0	%100
111	M123A	X	-.656	-.656	0	%100
112	M123A	Z	.378	.378	0	%100
113	M124A	X	-2.622	-2.622	0	%100
114	M124A	Z	1.514	1.514	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, %]
115	M125A	X	- .656	- .656	0	%100
116	M125A	Z	.378	.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.344	-3.344	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-2.668	-2.668	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-2.668	-2.668	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-2.668	-2.668	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-2.668	-2.668	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-2.355	-2.355	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.355	-2.355	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-4.198	-4.198	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.196	-3.196	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-3.336	-3.336	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-4.198	-4.198	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.196	-3.196	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-3.336	-3.336	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	- .836	- .836	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.045	-2.045	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-2.045	-2.045	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-3.201	-3.201	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-2.355	-2.355	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-1.05	-1.05	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-3.196	-3.196	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-3.336	-3.336	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M66	Z	0	0	0	%100
53	M68	X	-1.05	-1.05	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-836	-836	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.045	-2.045	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-2.045	-2.045	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-3.201	-3.201	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-2.355	-2.355	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-1.05	-1.05	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-1.05	-1.05	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-3.196	-3.196	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-3.336	-3.336	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-2.484	-2.484	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-2.484	-2.484	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-2.668	-2.668	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-2.668	-2.668	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-2.668	-2.668	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-2.668	-2.668	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-2.668	-2.668	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-2.668	-2.668	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-2.668	-2.668	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-2.668	-2.668	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-2.196	-2.196	0	%100
104	OVP	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M105	X	-2.001	-2.001	0	%100
108	M105	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M108	X	-2.001	-2.001	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	-2.271	-2.271	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	-2.271	-2.271	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-717	-717	0	%100
2	M1	Z	-414	-414	0	%100
3	M4	X	-2.172	-2.172	0	%100
4	M4	Z	-1.254	-1.254	0	%100
5	M10	X	-.59	-.59	0	%100
6	M10	Z	-.341	-.341	0	%100
7	MP3A	X	-2.311	-2.311	0	%100
8	MP3A	Z	-1.334	-1.334	0	%100
9	MP4A	X	-2.311	-2.311	0	%100
10	MP4A	Z	-1.334	-1.334	0	%100
11	MP2A	X	-2.311	-2.311	0	%100
12	MP2A	Z	-1.334	-1.334	0	%100
13	MP1A	X	-2.311	-2.311	0	%100
14	MP1A	Z	-1.334	-1.334	0	%100
15	M43	X	-.59	-.59	0	%100
16	M43	Z	-.341	-.341	0	%100
17	M46	X	-.924	-.924	0	%100
18	M46	Z	-.534	-.534	0	%100
19	M51B	X	-.68	-.68	0	%100
20	M51B	Z	-.392	-.392	0	%100
21	M52B	X	-2.719	-2.719	0	%100
22	M52B	Z	-1.57	-1.57	0	%100
23	M76	X	-2.727	-2.727	0	%100
24	M76	Z	-1.574	-1.574	0	%100
25	M77	X	-.923	-.923	0	%100
26	M77	Z	-.533	-.533	0	%100
27	M80	X	-.963	-.963	0	%100
28	M80	Z	-.556	-.556	0	%100
29	M84	X	-2.727	-2.727	0	%100
30	M84	Z	-1.574	-1.574	0	%100
31	M85	X	-3.691	-3.691	0	%100
32	M85	Z	-2.131	-2.131	0	%100
33	M91	X	-3.852	-3.852	0	%100
34	M91	Z	-2.224	-2.224	0	%100
35	M52A	X	-2.172	-2.172	0	%100
36	M52A	Z	-1.254	-1.254	0	%100
37	M53	X	-.59	-.59	0	%100
38	M53	Z	-.341	-.341	0	%100
39	M54	X	-.59	-.59	0	%100
40	M54	Z	-.341	-.341	0	%100
41	M55	X	-.924	-.924	0	%100
42	M55	Z	-.534	-.534	0	%100
43	M58A	X	-2.719	-2.719	0	%100
44	M58A	Z	-1.57	-1.57	0	%100
45	M59A	X	-.68	-.68	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,%]
46	M59A	Z	-0.392	-0.392	0	%100
47	M63	X	-2.727	-2.727	0	%100
48	M63	Z	-1.574	-1.574	0	%100
49	M64	X	-3.691	-3.691	0	%100
50	M64	Z	-2.131	-2.131	0	%100
51	M66	X	-3.852	-3.852	0	%100
52	M66	Z	-2.224	-2.224	0	%100
53	M68	X	-2.727	-2.727	0	%100
54	M68	Z	-1.574	-1.574	0	%100
55	M69	X	-0.923	-0.923	0	%100
56	M69	Z	-0.533	-0.533	0	%100
57	M71	X	-0.963	-0.963	0	%100
58	M71	Z	-0.556	-0.556	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.362	-2.362	0	%100
62	M77A	Z	-1.363	-1.363	0	%100
63	M78	X	-2.362	-2.362	0	%100
64	M78	Z	-1.363	-1.363	0	%100
65	M79A	X	-3.697	-3.697	0	%100
66	M79A	Z	-2.134	-2.134	0	%100
67	M82	X	-0.68	-0.68	0	%100
68	M82	Z	-0.392	-0.392	0	%100
69	M83A	X	-0.68	-0.68	0	%100
70	M83A	Z	-0.392	-0.392	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-0.923	-0.923	0	%100
74	M88A	Z	-0.533	-0.533	0	%100
75	M90	X	-0.963	-0.963	0	%100
76	M90	Z	-0.556	-0.556	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-0.923	-0.923	0	%100
80	M93	Z	-0.533	-0.533	0	%100
81	M95	X	-0.963	-0.963	0	%100
82	M95	Z	-0.556	-0.556	0	%100
83	M82A	X	-0.717	-0.717	0	%100
84	M82A	Z	-0.414	-0.414	0	%100
85	M91B	X	-2.868	-2.868	0	%100
86	M91B	Z	-1.656	-1.656	0	%100
87	MP3C	X	-2.311	-2.311	0	%100
88	MP3C	Z	-1.334	-1.334	0	%100
89	MP4C	X	-2.311	-2.311	0	%100
90	MP4C	Z	-1.334	-1.334	0	%100
91	MP2C	X	-2.311	-2.311	0	%100
92	MP2C	Z	-1.334	-1.334	0	%100
93	MP1C	X	-2.311	-2.311	0	%100
94	MP1C	Z	-1.334	-1.334	0	%100
95	MP3B	X	-2.311	-2.311	0	%100
96	MP3B	Z	-1.334	-1.334	0	%100
97	MP4B	X	-2.311	-2.311	0	%100
98	MP4B	Z	-1.334	-1.334	0	%100
99	MP2B	X	-2.311	-2.311	0	%100
100	MP2B	Z	-1.334	-1.334	0	%100
101	MP1B	X	-2.311	-2.311	0	%100
102	MP1B	Z	-1.334	-1.334	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, %]
103	OVP	X	-1.902	-1.902	0	%100
104	OVP	Z	-1.098	-1.098	0	%100
105	M102	X	-.578	-.578	0	%100
106	M102	Z	-.334	-.334	0	%100
107	M105	X	-.578	-.578	0	%100
108	M105	Z	-.334	-.334	0	%100
109	M108	X	-2.311	-2.311	0	%100
110	M108	Z	-1.334	-1.334	0	%100
111	M123A	X	-2.622	-2.622	0	%100
112	M123A	Z	-1.514	-1.514	0	%100
113	M124A	X	-.656	-.656	0	%100
114	M124A	Z	-.378	-.378	0	%100
115	M125A	X	-.656	-.656	0	%100
116	M125A	Z	-.378	-.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.242	-1.242	0	%100
2	M1	Z	-2.151	-2.151	0	%100
3	M4	X	-.418	-.418	0	%100
4	M4	Z	-.724	-.724	0	%100
5	M10	X	-1.023	-1.023	0	%100
6	M10	Z	-1.771	-1.771	0	%100
7	MP3A	X	-1.334	-1.334	0	%100
8	MP3A	Z	-2.311	-2.311	0	%100
9	MP4A	X	-1.334	-1.334	0	%100
10	MP4A	Z	-2.311	-2.311	0	%100
11	MP2A	X	-1.334	-1.334	0	%100
12	MP2A	Z	-2.311	-2.311	0	%100
13	MP1A	X	-1.334	-1.334	0	%100
14	MP1A	Z	-2.311	-2.311	0	%100
15	M43	X	-1.023	-1.023	0	%100
16	M43	Z	-1.771	-1.771	0	%100
17	M46	X	-1.601	-1.601	0	%100
18	M46	Z	-2.773	-2.773	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.177	-1.177	0	%100
22	M52B	Z	-2.039	-2.039	0	%100
23	M76	X	-.525	-.525	0	%100
24	M76	Z	-.909	-.909	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.525	-.525	0	%100
30	M84	Z	-.909	-.909	0	%100
31	M85	X	-1.598	-1.598	0	%100
32	M85	Z	-2.768	-2.768	0	%100
33	M91	X	-1.668	-1.668	0	%100
34	M91	Z	-2.889	-2.889	0	%100
35	M52A	X	-1.672	-1.672	0	%100
36	M52A	Z	-2.896	-2.896	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	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,%]
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-1.177	-1.177	0	%100
44	M58A	Z	-2.039	-2.039	0	%100
45	M59A	X	-1.177	-1.177	0	%100
46	M59A	Z	-2.039	-2.039	0	%100
47	M63	X	-2.099	-2.099	0	%100
48	M63	Z	-3.636	-3.636	0	%100
49	M64	X	-1.598	-1.598	0	%100
50	M64	Z	-2.768	-2.768	0	%100
51	M66	X	-1.668	-1.668	0	%100
52	M66	Z	-2.889	-2.889	0	%100
53	M68	X	-2.099	-2.099	0	%100
54	M68	Z	-3.636	-3.636	0	%100
55	M69	X	-1.598	-1.598	0	%100
56	M69	Z	-2.768	-2.768	0	%100
57	M71	X	-1.668	-1.668	0	%100
58	M71	Z	-2.889	-2.889	0	%100
59	M76A	X	-.418	-.418	0	%100
60	M76A	Z	-.724	-.724	0	%100
61	M77A	X	-1.023	-1.023	0	%100
62	M77A	Z	-1.771	-1.771	0	%100
63	M78	X	-1.023	-1.023	0	%100
64	M78	Z	-1.771	-1.771	0	%100
65	M79A	X	-1.601	-1.601	0	%100
66	M79A	Z	-2.773	-2.773	0	%100
67	M82	X	-1.177	-1.177	0	%100
68	M82	Z	-2.039	-2.039	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.525	-.525	0	%100
72	M87	Z	-.909	-.909	0	%100
73	M88A	X	-1.598	-1.598	0	%100
74	M88A	Z	-2.768	-2.768	0	%100
75	M90	X	-1.668	-1.668	0	%100
76	M90	Z	-2.889	-2.889	0	%100
77	M92A	X	-.525	-.525	0	%100
78	M92A	Z	-.909	-.909	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-1.242	-1.242	0	%100
86	M91B	Z	-2.151	-2.151	0	%100
87	MP3C	X	-1.334	-1.334	0	%100
88	MP3C	Z	-2.311	-2.311	0	%100
89	MP4C	X	-1.334	-1.334	0	%100
90	MP4C	Z	-2.311	-2.311	0	%100
91	MP2C	X	-1.334	-1.334	0	%100
92	MP2C	Z	-2.311	-2.311	0	%100
93	MP1C	X	-1.334	-1.334	0	%100
94	MP1C	Z	-2.311	-2.311	0	%100
95	MP3B	X	-1.334	-1.334	0	%100
96	MP3B	Z	-2.311	-2.311	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, %]
97	MP4B	X	-1.334	-1.334	0	%100
98	MP4B	Z	-2.311	-2.311	0	%100
99	MP2B	X	-1.334	-1.334	0	%100
100	MP2B	Z	-2.311	-2.311	0	%100
101	MP1B	X	-1.334	-1.334	0	%100
102	MP1B	Z	-2.311	-2.311	0	%100
103	OVP	X	-1.098	-1.098	0	%100
104	OVP	Z	-1.902	-1.902	0	%100
105	M102	X	-1.001	-1.001	0	%100
106	M102	Z	-1.733	-1.733	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	-1.001	-1.001	0	%100
110	M108	Z	-1.733	-1.733	0	%100
111	M123A	X	-1.135	-1.135	0	%100
112	M123A	Z	-1.967	-1.967	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	-1.135	-1.135	0	%100
116	M125A	Z	-1.967	-1.967	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-.721	-.721	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.62	-.62	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.489	-.489	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.489	-.489	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.489	-.489	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.489	-.489	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.62	-.62	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.236	-1.236	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.172	-.172	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.172	-.172	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.315	-.315	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.332	-.332	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.315	-.315	0	%100
33	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	-.332	-.332	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-.549	-.549	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.155	-.155	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.155	-.155	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-.309	-.309	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.172	-.172	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-.687	-.687	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-.927	-.927	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-.315	-.315	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-.332	-.332	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-.927	-.927	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.259	-1.259	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-1.326	-1.326	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-.549	-.549	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.155	-.155	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.155	-.155	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-.309	-.309	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-.687	-.687	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.172	-.172	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-.927	-.927	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-1.259	-1.259	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-1.326	-1.326	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-.927	-.927	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-.315	-.315	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.332	-.332	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.18	-.18	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.18	-.18	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-.489	-.489	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.489	-.489	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.489	-.489	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.489	-.489	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.489	-.489	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.489	-.489	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.489	-.489	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.489	-.489	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	-.4	-.4	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-.489	-.489	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	-.122	-.122	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	-.122	-.122	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	-.186	-.186	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	-.186	-.186	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	-.743	-.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.27	.27	0	%100
2	M1	Z	-.468	-.468	0	%100
3	M4	X	.092	.092	0	%100
4	M4	Z	-.159	-.159	0	%100
5	M10	X	.232	.232	0	%100
6	M10	Z	-.403	-.403	0	%100
7	MP3A	X	.245	.245	0	%100
8	MP3A	Z	-.424	-.424	0	%100
9	MP4A	X	.245	.245	0	%100
10	MP4A	Z	-.424	-.424	0	%100
11	MP2A	X	.245	.245	0	%100
12	MP2A	Z	-.424	-.424	0	%100
13	MP1A	X	.245	.245	0	%100
14	MP1A	Z	-.424	-.424	0	%100
15	M43	X	.232	.232	0	%100
16	M43	Z	-.403	-.403	0	%100
17	M46	X	.464	.464	0	%100
18	M46	Z	-.803	-.803	0	%100
19	M51B	X	.257	.257	0	%100
20	M51B	Z	-.446	-.446	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.155	.155	0	%100
24	M76	Z	-.268	-.268	0	%100
25	M77	X	.472	.472	0	%100
26	M77	Z	-.818	-.818	0	%100
27	M80	X	.497	.497	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,%]
28	M80	Z	-.862	-.862	0	%100
29	M84	X	.155	.155	0	%100
30	M84	Z	-.268	-.268	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.092	.092	0	%100
36	M52A	Z	-.159	-.159	0	%100
37	M53	X	.232	.232	0	%100
38	M53	Z	-.403	-.403	0	%100
39	M54	X	.232	.232	0	%100
40	M54	Z	-.403	-.403	0	%100
41	M55	X	.464	.464	0	%100
42	M55	Z	-.803	-.803	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.257	.257	0	%100
46	M59A	Z	-.446	-.446	0	%100
47	M63	X	.155	.155	0	%100
48	M63	Z	-.268	-.268	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.155	.155	0	%100
54	M68	Z	-.268	-.268	0	%100
55	M69	X	.472	.472	0	%100
56	M69	Z	-.818	-.818	0	%100
57	M71	X	.497	.497	0	%100
58	M71	Z	-.862	-.862	0	%100
59	M76A	X	.366	.366	0	%100
60	M76A	Z	-.634	-.634	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.257	.257	0	%100
68	M82	Z	-.446	-.446	0	%100
69	M83A	X	.257	.257	0	%100
70	M83A	Z	-.446	-.446	0	%100
71	M87	X	.618	.618	0	%100
72	M87	Z	-1.071	-1.071	0	%100
73	M88A	X	.472	.472	0	%100
74	M88A	Z	-.818	-.818	0	%100
75	M90	X	.497	.497	0	%100
76	M90	Z	-.862	-.862	0	%100
77	M92A	X	.618	.618	0	%100
78	M92A	Z	-1.071	-1.071	0	%100
79	M93	X	.472	.472	0	%100
80	M93	Z	-.818	-.818	0	%100
81	M95	X	.497	.497	0	%100
82	M95	Z	-.862	-.862	0	%100
83	M82A	X	.27	.27	0	%100
84	M82A	Z	-.468	-.468	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, %]
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	.245	.245	0	%100
88	MP3C	Z	-.424	-.424	0	%100
89	MP4C	X	.245	.245	0	%100
90	MP4C	Z	-.424	-.424	0	%100
91	MP2C	X	.245	.245	0	%100
92	MP2C	Z	-.424	-.424	0	%100
93	MP1C	X	.245	.245	0	%100
94	MP1C	Z	-.424	-.424	0	%100
95	MP3B	X	.245	.245	0	%100
96	MP3B	Z	-.424	-.424	0	%100
97	MP4B	X	.245	.245	0	%100
98	MP4B	Z	-.424	-.424	0	%100
99	MP2B	X	.245	.245	0	%100
100	MP2B	Z	-.424	-.424	0	%100
101	MP1B	X	.245	.245	0	%100
102	MP1B	Z	-.424	-.424	0	%100
103	OVP	X	.2	.2	0	%100
104	OVP	Z	-.347	-.347	0	%100
105	M102	X	.184	.184	0	%100
106	M102	Z	-.318	-.318	0	%100
107	M105	X	.184	.184	0	%100
108	M105	Z	-.318	-.318	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	.279	.279	0	%100
114	M124A	Z	-.482	-.482	0	%100
115	M125A	X	.279	.279	0	%100
116	M125A	Z	-.482	-.482	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.156	.156	0	%100
2	M1	Z	-.09	-.09	0	%100
3	M4	X	.476	.476	0	%100
4	M4	Z	-.275	-.275	0	%100
5	M10	X	.134	.134	0	%100
6	M10	Z	-.077	-.077	0	%100
7	MP3A	X	.424	.424	0	%100
8	MP3A	Z	-.245	-.245	0	%100
9	MP4A	X	.424	.424	0	%100
10	MP4A	Z	-.245	-.245	0	%100
11	MP2A	X	.424	.424	0	%100
12	MP2A	Z	-.245	-.245	0	%100
13	MP1A	X	.424	.424	0	%100
14	MP1A	Z	-.245	-.245	0	%100
15	M43	X	.134	.134	0	%100
16	M43	Z	-.077	-.077	0	%100
17	M46	X	.268	.268	0	%100
18	M46	Z	-.155	-.155	0	%100
19	M51B	X	.595	.595	0	%100
20	M51B	Z	-.343	-.343	0	%100
21	M52B	X	.149	.149	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M52B	Z	-.086	-.086	0	%100
23	M76	X	.803	.803	0	%100
24	M76	Z	-.464	-.464	0	%100
25	M77	X	1.091	1.091	0	%100
26	M77	Z	-.63	-.63	0	%100
27	M80	X	1.149	1.149	0	%100
28	M80	Z	-.663	-.663	0	%100
29	M84	X	.803	.803	0	%100
30	M84	Z	-.464	-.464	0	%100
31	M85	X	.273	.273	0	%100
32	M85	Z	-.157	-.157	0	%100
33	M91	X	.287	.287	0	%100
34	M91	Z	-.166	-.166	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.537	.537	0	%100
38	M53	Z	-.31	-.31	0	%100
39	M54	X	.537	.537	0	%100
40	M54	Z	-.31	-.31	0	%100
41	M55	X	1.071	1.071	0	%100
42	M55	Z	-.618	-.618	0	%100
43	M58A	X	.149	.149	0	%100
44	M58A	Z	-.086	-.086	0	%100
45	M59A	X	.149	.149	0	%100
46	M59A	Z	-.086	-.086	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.273	.273	0	%100
50	M64	Z	-.157	-.157	0	%100
51	M66	X	.287	.287	0	%100
52	M66	Z	-.166	-.166	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.273	.273	0	%100
56	M69	Z	-.157	-.157	0	%100
57	M71	X	.287	.287	0	%100
58	M71	Z	-.166	-.166	0	%100
59	M76A	X	.476	.476	0	%100
60	M76A	Z	-.275	-.275	0	%100
61	M77A	X	.134	.134	0	%100
62	M77A	Z	-.077	-.077	0	%100
63	M78	X	.134	.134	0	%100
64	M78	Z	-.077	-.077	0	%100
65	M79A	X	.268	.268	0	%100
66	M79A	Z	-.155	-.155	0	%100
67	M82	X	.149	.149	0	%100
68	M82	Z	-.086	-.086	0	%100
69	M83A	X	.595	.595	0	%100
70	M83A	Z	-.343	-.343	0	%100
71	M87	X	.803	.803	0	%100
72	M87	Z	-.464	-.464	0	%100
73	M88A	X	.273	.273	0	%100
74	M88A	Z	-.157	-.157	0	%100
75	M90	X	.287	.287	0	%100
76	M90	Z	-.166	-.166	0	%100
77	M92A	X	.803	.803	0	%100
78	M92A	Z	-.464	-.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M93	X	1.091	1.091	0	%100
80	M93	Z	-.63	-.63	0	%100
81	M95	X	1.149	1.149	0	%100
82	M95	Z	-.663	-.663	0	%100
83	M82A	X	.625	.625	0	%100
84	M82A	Z	-.361	-.361	0	%100
85	M91B	X	.156	.156	0	%100
86	M91B	Z	-.09	-.09	0	%100
87	MP3C	X	.424	.424	0	%100
88	MP3C	Z	-.245	-.245	0	%100
89	MP4C	X	.424	.424	0	%100
90	MP4C	Z	-.245	-.245	0	%100
91	MP2C	X	.424	.424	0	%100
92	MP2C	Z	-.245	-.245	0	%100
93	MP1C	X	.424	.424	0	%100
94	MP1C	Z	-.245	-.245	0	%100
95	MP3B	X	.424	.424	0	%100
96	MP3B	Z	-.245	-.245	0	%100
97	MP4B	X	.424	.424	0	%100
98	MP4B	Z	-.245	-.245	0	%100
99	MP2B	X	.424	.424	0	%100
100	MP2B	Z	-.245	-.245	0	%100
101	MP1B	X	.424	.424	0	%100
102	MP1B	Z	-.245	-.245	0	%100
103	OVP	X	.347	.347	0	%100
104	OVP	Z	-.2	-.2	0	%100
105	M102	X	.106	.106	0	%100
106	M102	Z	-.061	-.061	0	%100
107	M105	X	.424	.424	0	%100
108	M105	Z	-.245	-.245	0	%100
109	M108	X	.106	.106	0	%100
110	M108	Z	-.061	-.061	0	%100
111	M123A	X	.161	.161	0	%100
112	M123A	Z	-.093	-.093	0	%100
113	M124A	X	.643	.643	0	%100
114	M124A	Z	-.371	-.371	0	%100
115	M125A	X	.161	.161	0	%100
116	M125A	Z	-.093	-.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.733	.733	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.489	.489	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.489	.489	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.489	.489	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.489	.489	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	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,%]
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.515	.515	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.515	.515	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.236	1.236	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	.945	.945	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	.995	.995	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.236	1.236	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	.945	.945	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	.995	.995	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.183	.183	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.465	.465	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	.465	.465	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	.927	.927	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.515	.515	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	.309	.309	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.945	.945	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	.995	.995	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.309	.309	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.183	.183	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.465	.465	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	.465	.465	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	.927	.927	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	.515	.515	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.309	.309	0	%100
72	M87	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, %]
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	.309	.309	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.945	.945	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	.995	.995	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	.541	.541	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.541	.541	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	.489	.489	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	.489	.489	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	.489	.489	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.489	.489	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	.489	.489	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	.489	.489	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	.489	.489	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.489	.489	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	.4	.4	0	%100
104	OVP	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M105	X	.367	.367	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	.367	.367	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	.557	.557	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	.557	.557	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.156	.156	0	%100
2	M1	Z	.09	.09	0	%100
3	M4	X	.476	.476	0	%100
4	M4	Z	.275	.275	0	%100
5	M10	X	.134	.134	0	%100
6	M10	Z	.077	.077	0	%100
7	MP3A	X	.424	.424	0	%100
8	MP3A	Z	.245	.245	0	%100
9	MP4A	X	.424	.424	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,%]
10	MP4A	Z	.245	.245	0	%100
11	MP2A	X	.424	.424	0	%100
12	MP2A	Z	.245	.245	0	%100
13	MP1A	X	.424	.424	0	%100
14	MP1A	Z	.245	.245	0	%100
15	M43	X	.134	.134	0	%100
16	M43	Z	.077	.077	0	%100
17	M46	X	.268	.268	0	%100
18	M46	Z	.155	.155	0	%100
19	M51B	X	.149	.149	0	%100
20	M51B	Z	.086	.086	0	%100
21	M52B	X	.595	.595	0	%100
22	M52B	Z	.343	.343	0	%100
23	M76	X	.803	.803	0	%100
24	M76	Z	.464	.464	0	%100
25	M77	X	.273	.273	0	%100
26	M77	Z	.157	.157	0	%100
27	M80	X	.287	.287	0	%100
28	M80	Z	.166	.166	0	%100
29	M84	X	.803	.803	0	%100
30	M84	Z	.464	.464	0	%100
31	M85	X	1.091	1.091	0	%100
32	M85	Z	.63	.63	0	%100
33	M91	X	1.149	1.149	0	%100
34	M91	Z	.663	.663	0	%100
35	M52A	X	.476	.476	0	%100
36	M52A	Z	.275	.275	0	%100
37	M53	X	.134	.134	0	%100
38	M53	Z	.077	.077	0	%100
39	M54	X	.134	.134	0	%100
40	M54	Z	.077	.077	0	%100
41	M55	X	.268	.268	0	%100
42	M55	Z	.155	.155	0	%100
43	M58A	X	.595	.595	0	%100
44	M58A	Z	.343	.343	0	%100
45	M59A	X	.149	.149	0	%100
46	M59A	Z	.086	.086	0	%100
47	M63	X	.803	.803	0	%100
48	M63	Z	.464	.464	0	%100
49	M64	X	1.091	1.091	0	%100
50	M64	Z	.63	.63	0	%100
51	M66	X	1.149	1.149	0	%100
52	M66	Z	.663	.663	0	%100
53	M68	X	.803	.803	0	%100
54	M68	Z	.464	.464	0	%100
55	M69	X	.273	.273	0	%100
56	M69	Z	.157	.157	0	%100
57	M71	X	.287	.287	0	%100
58	M71	Z	.166	.166	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.537	.537	0	%100
62	M77A	Z	.31	.31	0	%100
63	M78	X	.537	.537	0	%100
64	M78	Z	.31	.31	0	%100
65	M79A	X	1.071	1.071	0	%100
66	M79A	Z	.618	.618	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, %]
67	M82	X	.149	.149	0	%100
68	M82	Z	.086	.086	0	%100
69	M83A	X	.149	.149	0	%100
70	M83A	Z	.086	.086	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.273	.273	0	%100
74	M88A	Z	.157	.157	0	%100
75	M90	X	.287	.287	0	%100
76	M90	Z	.166	.166	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.273	.273	0	%100
80	M93	Z	.157	.157	0	%100
81	M95	X	.287	.287	0	%100
82	M95	Z	.166	.166	0	%100
83	M82A	X	.156	.156	0	%100
84	M82A	Z	.09	.09	0	%100
85	M91B	X	.625	.625	0	%100
86	M91B	Z	.361	.361	0	%100
87	MP3C	X	.424	.424	0	%100
88	MP3C	Z	.245	.245	0	%100
89	MP4C	X	.424	.424	0	%100
90	MP4C	Z	.245	.245	0	%100
91	MP2C	X	.424	.424	0	%100
92	MP2C	Z	.245	.245	0	%100
93	MP1C	X	.424	.424	0	%100
94	MP1C	Z	.245	.245	0	%100
95	MP3B	X	.424	.424	0	%100
96	MP3B	Z	.245	.245	0	%100
97	MP4B	X	.424	.424	0	%100
98	MP4B	Z	.245	.245	0	%100
99	MP2B	X	.424	.424	0	%100
100	MP2B	Z	.245	.245	0	%100
101	MP1B	X	.424	.424	0	%100
102	MP1B	Z	.245	.245	0	%100
103	OVP	X	.347	.347	0	%100
104	OVP	Z	.2	.2	0	%100
105	M102	X	.106	.106	0	%100
106	M102	Z	.061	.061	0	%100
107	M105	X	.106	.106	0	%100
108	M105	Z	.061	.061	0	%100
109	M108	X	.424	.424	0	%100
110	M108	Z	.245	.245	0	%100
111	M123A	X	.643	.643	0	%100
112	M123A	Z	.371	.371	0	%100
113	M124A	X	.161	.161	0	%100
114	M124A	Z	.093	.093	0	%100
115	M125A	X	.161	.161	0	%100
116	M125A	Z	.093	.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.27	.27	0	%100
2	M1	Z	.468	.468	0	%100
3	M4	X	.092	.092	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,%]
4	M4	Z	.159	.159	0	%100
5	M10	X	.232	.232	0	%100
6	M10	Z	.403	.403	0	%100
7	MP3A	X	.245	.245	0	%100
8	MP3A	Z	.424	.424	0	%100
9	MP4A	X	.245	.245	0	%100
10	MP4A	Z	.424	.424	0	%100
11	MP2A	X	.245	.245	0	%100
12	MP2A	Z	.424	.424	0	%100
13	MP1A	X	.245	.245	0	%100
14	MP1A	Z	.424	.424	0	%100
15	M43	X	.232	.232	0	%100
16	M43	Z	.403	.403	0	%100
17	M46	X	.464	.464	0	%100
18	M46	Z	.803	.803	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.257	.257	0	%100
22	M52B	Z	.446	.446	0	%100
23	M76	X	.155	.155	0	%100
24	M76	Z	.268	.268	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.155	.155	0	%100
30	M84	Z	.268	.268	0	%100
31	M85	X	.472	.472	0	%100
32	M85	Z	.818	.818	0	%100
33	M91	X	.497	.497	0	%100
34	M91	Z	.862	.862	0	%100
35	M52A	X	.366	.366	0	%100
36	M52A	Z	.634	.634	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.257	.257	0	%100
44	M58A	Z	.446	.446	0	%100
45	M59A	X	.257	.257	0	%100
46	M59A	Z	.446	.446	0	%100
47	M63	X	.618	.618	0	%100
48	M63	Z	1.071	1.071	0	%100
49	M64	X	.472	.472	0	%100
50	M64	Z	.818	.818	0	%100
51	M66	X	.497	.497	0	%100
52	M66	Z	.862	.862	0	%100
53	M68	X	.618	.618	0	%100
54	M68	Z	1.071	1.071	0	%100
55	M69	X	.472	.472	0	%100
56	M69	Z	.818	.818	0	%100
57	M71	X	.497	.497	0	%100
58	M71	Z	.862	.862	0	%100
59	M76A	X	.092	.092	0	%100
60	M76A	Z	.159	.159	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	M77A	X	.232	.232	0	%100
62	M77A	Z	.403	.403	0	%100
63	M78	X	.232	.232	0	%100
64	M78	Z	.403	.403	0	%100
65	M79A	X	.464	.464	0	%100
66	M79A	Z	.803	.803	0	%100
67	M82	X	.257	.257	0	%100
68	M82	Z	.446	.446	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.155	.155	0	%100
72	M87	Z	.268	.268	0	%100
73	M88A	X	.472	.472	0	%100
74	M88A	Z	.818	.818	0	%100
75	M90	X	.497	.497	0	%100
76	M90	Z	.862	.862	0	%100
77	M92A	X	.155	.155	0	%100
78	M92A	Z	.268	.268	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.27	.27	0	%100
86	M91B	Z	.468	.468	0	%100
87	MP3C	X	.245	.245	0	%100
88	MP3C	Z	.424	.424	0	%100
89	MP4C	X	.245	.245	0	%100
90	MP4C	Z	.424	.424	0	%100
91	MP2C	X	.245	.245	0	%100
92	MP2C	Z	.424	.424	0	%100
93	MP1C	X	.245	.245	0	%100
94	MP1C	Z	.424	.424	0	%100
95	MP3B	X	.245	.245	0	%100
96	MP3B	Z	.424	.424	0	%100
97	MP4B	X	.245	.245	0	%100
98	MP4B	Z	.424	.424	0	%100
99	MP2B	X	.245	.245	0	%100
100	MP2B	Z	.424	.424	0	%100
101	MP1B	X	.245	.245	0	%100
102	MP1B	Z	.424	.424	0	%100
103	OVP	X	.2	.2	0	%100
104	OVP	Z	.347	.347	0	%100
105	M102	X	.184	.184	0	%100
106	M102	Z	.318	.318	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	.184	.184	0	%100
110	M108	Z	.318	.318	0	%100
111	M123A	X	.279	.279	0	%100
112	M123A	Z	.482	.482	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	.279	.279	0	%100
116	M125A	Z	.482	.482	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	.721	.721	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.62	.62	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.489	.489	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.489	.489	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.489	.489	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.489	.489	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.62	.62	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.236	1.236	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.172	.172	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.172	.172	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.315	.315	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.332	.332	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.315	.315	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.332	.332	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	.549	.549	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.155	.155	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.155	.155	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	.309	.309	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.172	.172	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.687	.687	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	.927	.927	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	.315	.315	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	.332	.332	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	.927	.927	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.259	1.259	0	%100
57	M71	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,%]
58	M71	Z	1.326	1.326	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	.549	.549	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.155	.155	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.155	.155	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	.309	.309	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.687	.687	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.172	.172	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	.927	.927	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	1.259	1.259	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	1.326	1.326	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	.927	.927	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	.315	.315	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.332	.332	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.18	.18	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.18	.18	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	.489	.489	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.489	.489	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.489	.489	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.489	.489	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.489	.489	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.489	.489	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.489	.489	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.489	.489	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	.4	.4	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.489	.489	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	.122	.122	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	.122	.122	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	.186	.186	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	.186	.186	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, %]
115	M125A	X	0	0	0	%100
116	M125A	Z	.743	.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.27	-.27	0	%100
2	M1	Z	.468	.468	0	%100
3	M4	X	-.092	-.092	0	%100
4	M4	Z	.159	.159	0	%100
5	M10	X	-.232	-.232	0	%100
6	M10	Z	.403	.403	0	%100
7	MP3A	X	-.245	-.245	0	%100
8	MP3A	Z	.424	.424	0	%100
9	MP4A	X	-.245	-.245	0	%100
10	MP4A	Z	.424	.424	0	%100
11	MP2A	X	-.245	-.245	0	%100
12	MP2A	Z	.424	.424	0	%100
13	MP1A	X	-.245	-.245	0	%100
14	MP1A	Z	.424	.424	0	%100
15	M43	X	-.232	-.232	0	%100
16	M43	Z	.403	.403	0	%100
17	M46	X	-.464	-.464	0	%100
18	M46	Z	.803	.803	0	%100
19	M51B	X	-.257	-.257	0	%100
20	M51B	Z	.446	.446	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.155	-.155	0	%100
24	M76	Z	.268	.268	0	%100
25	M77	X	-.472	-.472	0	%100
26	M77	Z	.818	.818	0	%100
27	M80	X	-.497	-.497	0	%100
28	M80	Z	.862	.862	0	%100
29	M84	X	-.155	-.155	0	%100
30	M84	Z	.268	.268	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.092	-.092	0	%100
36	M52A	Z	.159	.159	0	%100
37	M53	X	-.232	-.232	0	%100
38	M53	Z	.403	.403	0	%100
39	M54	X	-.232	-.232	0	%100
40	M54	Z	.403	.403	0	%100
41	M55	X	-.464	-.464	0	%100
42	M55	Z	.803	.803	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.257	-.257	0	%100
46	M59A	Z	.446	.446	0	%100
47	M63	X	-.155	-.155	0	%100
48	M63	Z	.268	.268	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M66	Z	0	0	0	%100
53	M68	X	-.155	-.155	0	%100
54	M68	Z	.268	.268	0	%100
55	M69	X	-.472	-.472	0	%100
56	M69	Z	.818	.818	0	%100
57	M71	X	-.497	-.497	0	%100
58	M71	Z	.862	.862	0	%100
59	M76A	X	-.366	-.366	0	%100
60	M76A	Z	.634	.634	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.257	-.257	0	%100
68	M82	Z	.446	.446	0	%100
69	M83A	X	-.257	-.257	0	%100
70	M83A	Z	.446	.446	0	%100
71	M87	X	-.618	-.618	0	%100
72	M87	Z	1.071	1.071	0	%100
73	M88A	X	-.472	-.472	0	%100
74	M88A	Z	.818	.818	0	%100
75	M90	X	-.497	-.497	0	%100
76	M90	Z	.862	.862	0	%100
77	M92A	X	-.618	-.618	0	%100
78	M92A	Z	1.071	1.071	0	%100
79	M93	X	-.472	-.472	0	%100
80	M93	Z	.818	.818	0	%100
81	M95	X	-.497	-.497	0	%100
82	M95	Z	.862	.862	0	%100
83	M82A	X	-.27	-.27	0	%100
84	M82A	Z	.468	.468	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-.245	-.245	0	%100
88	MP3C	Z	.424	.424	0	%100
89	MP4C	X	-.245	-.245	0	%100
90	MP4C	Z	.424	.424	0	%100
91	MP2C	X	-.245	-.245	0	%100
92	MP2C	Z	.424	.424	0	%100
93	MP1C	X	-.245	-.245	0	%100
94	MP1C	Z	.424	.424	0	%100
95	MP3B	X	-.245	-.245	0	%100
96	MP3B	Z	.424	.424	0	%100
97	MP4B	X	-.245	-.245	0	%100
98	MP4B	Z	.424	.424	0	%100
99	MP2B	X	-.245	-.245	0	%100
100	MP2B	Z	.424	.424	0	%100
101	MP1B	X	-.245	-.245	0	%100
102	MP1B	Z	.424	.424	0	%100
103	OVP	X	-.2	-.2	0	%100
104	OVP	Z	.347	.347	0	%100
105	M102	X	-.184	-.184	0	%100
106	M102	Z	.318	.318	0	%100
107	M105	X	-.184	-.184	0	%100
108	M105	Z	.318	.318	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	M108	X	0	0	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	0	0	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	-.279	-.279	0	%100
114	M124A	Z	.482	.482	0	%100
115	M125A	X	-.279	-.279	0	%100
116	M125A	Z	.482	.482	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.156	-.156	0	%100
2	M1	Z	.09	.09	0	%100
3	M4	X	-.476	-.476	0	%100
4	M4	Z	.275	.275	0	%100
5	M10	X	-.134	-.134	0	%100
6	M10	Z	.077	.077	0	%100
7	MP3A	X	-.424	-.424	0	%100
8	MP3A	Z	.245	.245	0	%100
9	MP4A	X	-.424	-.424	0	%100
10	MP4A	Z	.245	.245	0	%100
11	MP2A	X	-.424	-.424	0	%100
12	MP2A	Z	.245	.245	0	%100
13	MP1A	X	-.424	-.424	0	%100
14	MP1A	Z	.245	.245	0	%100
15	M43	X	-.134	-.134	0	%100
16	M43	Z	.077	.077	0	%100
17	M46	X	-.268	-.268	0	%100
18	M46	Z	.155	.155	0	%100
19	M51B	X	-.595	-.595	0	%100
20	M51B	Z	.343	.343	0	%100
21	M52B	X	-.149	-.149	0	%100
22	M52B	Z	.086	.086	0	%100
23	M76	X	-.803	-.803	0	%100
24	M76	Z	.464	.464	0	%100
25	M77	X	-1.091	-1.091	0	%100
26	M77	Z	.63	.63	0	%100
27	M80	X	-1.149	-1.149	0	%100
28	M80	Z	.663	.663	0	%100
29	M84	X	-.803	-.803	0	%100
30	M84	Z	.464	.464	0	%100
31	M85	X	-.273	-.273	0	%100
32	M85	Z	.157	.157	0	%100
33	M91	X	-.287	-.287	0	%100
34	M91	Z	.166	.166	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.537	-.537	0	%100
38	M53	Z	.31	.31	0	%100
39	M54	X	-.537	-.537	0	%100
40	M54	Z	.31	.31	0	%100
41	M55	X	-1.071	-1.071	0	%100
42	M55	Z	.618	.618	0	%100
43	M58A	X	-.149	-.149	0	%100
44	M58A	Z	.086	.086	0	%100
45	M59A	X	-.149	-.149	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,%]
46	M59A	Z	.086	.086	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.273	-.273	0	%100
50	M64	Z	.157	.157	0	%100
51	M66	X	-.287	-.287	0	%100
52	M66	Z	.166	.166	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.273	-.273	0	%100
56	M69	Z	.157	.157	0	%100
57	M71	X	-.287	-.287	0	%100
58	M71	Z	.166	.166	0	%100
59	M76A	X	-.476	-.476	0	%100
60	M76A	Z	.275	.275	0	%100
61	M77A	X	-.134	-.134	0	%100
62	M77A	Z	.077	.077	0	%100
63	M78	X	-.134	-.134	0	%100
64	M78	Z	.077	.077	0	%100
65	M79A	X	-.268	-.268	0	%100
66	M79A	Z	.155	.155	0	%100
67	M82	X	-.149	-.149	0	%100
68	M82	Z	.086	.086	0	%100
69	M83A	X	-.595	-.595	0	%100
70	M83A	Z	.343	.343	0	%100
71	M87	X	-.803	-.803	0	%100
72	M87	Z	.464	.464	0	%100
73	M88A	X	-.273	-.273	0	%100
74	M88A	Z	.157	.157	0	%100
75	M90	X	-.287	-.287	0	%100
76	M90	Z	.166	.166	0	%100
77	M92A	X	-.803	-.803	0	%100
78	M92A	Z	.464	.464	0	%100
79	M93	X	-1.091	-1.091	0	%100
80	M93	Z	.63	.63	0	%100
81	M95	X	-1.149	-1.149	0	%100
82	M95	Z	.663	.663	0	%100
83	M82A	X	-.625	-.625	0	%100
84	M82A	Z	.361	.361	0	%100
85	M91B	X	-.156	-.156	0	%100
86	M91B	Z	.09	.09	0	%100
87	MP3C	X	-.424	-.424	0	%100
88	MP3C	Z	.245	.245	0	%100
89	MP4C	X	-.424	-.424	0	%100
90	MP4C	Z	.245	.245	0	%100
91	MP2C	X	-.424	-.424	0	%100
92	MP2C	Z	.245	.245	0	%100
93	MP1C	X	-.424	-.424	0	%100
94	MP1C	Z	.245	.245	0	%100
95	MP3B	X	-.424	-.424	0	%100
96	MP3B	Z	.245	.245	0	%100
97	MP4B	X	-.424	-.424	0	%100
98	MP4B	Z	.245	.245	0	%100
99	MP2B	X	-.424	-.424	0	%100
100	MP2B	Z	.245	.245	0	%100
101	MP1B	X	-.424	-.424	0	%100
102	MP1B	Z	.245	.245	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, %]
103	OVP	X	-.347	-.347	0	%100
104	OVP	Z	.2	.2	0	%100
105	M102	X	-.106	-.106	0	%100
106	M102	Z	.061	.061	0	%100
107	M105	X	-.424	-.424	0	%100
108	M105	Z	.245	.245	0	%100
109	M108	X	-.106	-.106	0	%100
110	M108	Z	.061	.061	0	%100
111	M123A	X	-.161	-.161	0	%100
112	M123A	Z	.093	.093	0	%100
113	M124A	X	-.643	-.643	0	%100
114	M124A	Z	.371	.371	0	%100
115	M125A	X	-.161	-.161	0	%100
116	M125A	Z	.093	.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.733	-.733	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.489	-.489	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.489	-.489	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.489	-.489	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.489	-.489	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.515	-.515	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.515	-.515	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.236	-1.236	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-.945	-.945	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-.995	-.995	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.236	-1.236	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-.945	-.945	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-.995	-.995	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.183	-.183	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.465	-.465	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-.465	-.465	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,%]
40	M54	Z	0	0	0	%100
41	M55	X	-.927	-.927	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.515	-.515	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-.309	-.309	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.945	-.945	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-.995	-.995	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.309	-.309	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-.183	-.183	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.465	-.465	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-.465	-.465	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-.927	-.927	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-.515	-.515	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.309	-.309	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-.309	-.309	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.945	-.945	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-.995	-.995	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-.541	-.541	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.541	-.541	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-.489	-.489	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-.489	-.489	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-.489	-.489	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-.489	-.489	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-.489	-.489	0	%100
96	MP3B	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, %]
97	MP4B	X	-.489	-.489	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-.489	-.489	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.489	-.489	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-.4	-.4	0	%100
104	OVP	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M105	X	-.367	-.367	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	-.367	-.367	0	%100
110	M108	Z	0	0	0	%100
111	M123A	X	-.557	-.557	0	%100
112	M123A	Z	0	0	0	%100
113	M124A	X	-.557	-.557	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.156	-.156	0	%100
2	M1	Z	-.09	-.09	0	%100
3	M4	X	-.476	-.476	0	%100
4	M4	Z	-.275	-.275	0	%100
5	M10	X	-.134	-.134	0	%100
6	M10	Z	-.077	-.077	0	%100
7	MP3A	X	-.424	-.424	0	%100
8	MP3A	Z	-.245	-.245	0	%100
9	MP4A	X	-.424	-.424	0	%100
10	MP4A	Z	-.245	-.245	0	%100
11	MP2A	X	-.424	-.424	0	%100
12	MP2A	Z	-.245	-.245	0	%100
13	MP1A	X	-.424	-.424	0	%100
14	MP1A	Z	-.245	-.245	0	%100
15	M43	X	-.134	-.134	0	%100
16	M43	Z	-.077	-.077	0	%100
17	M46	X	-.268	-.268	0	%100
18	M46	Z	-.155	-.155	0	%100
19	M51B	X	-.149	-.149	0	%100
20	M51B	Z	-.086	-.086	0	%100
21	M52B	X	-.595	-.595	0	%100
22	M52B	Z	-.343	-.343	0	%100
23	M76	X	-.803	-.803	0	%100
24	M76	Z	-.464	-.464	0	%100
25	M77	X	-.273	-.273	0	%100
26	M77	Z	-.157	-.157	0	%100
27	M80	X	-.287	-.287	0	%100
28	M80	Z	-.166	-.166	0	%100
29	M84	X	-.803	-.803	0	%100
30	M84	Z	-.464	-.464	0	%100
31	M85	X	-1.091	-1.091	0	%100
32	M85	Z	-.63	-.63	0	%100
33	M91	X	-1.149	-1.149	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	-.663	-.663	0	%100
35	M52A	X	-.476	-.476	0	%100
36	M52A	Z	-.275	-.275	0	%100
37	M53	X	-.134	-.134	0	%100
38	M53	Z	-.077	-.077	0	%100
39	M54	X	-.134	-.134	0	%100
40	M54	Z	-.077	-.077	0	%100
41	M55	X	-.268	-.268	0	%100
42	M55	Z	-.155	-.155	0	%100
43	M58A	X	-.595	-.595	0	%100
44	M58A	Z	-.343	-.343	0	%100
45	M59A	X	-.149	-.149	0	%100
46	M59A	Z	-.086	-.086	0	%100
47	M63	X	-.803	-.803	0	%100
48	M63	Z	-.464	-.464	0	%100
49	M64	X	-1.091	-1.091	0	%100
50	M64	Z	-.63	-.63	0	%100
51	M66	X	-1.149	-1.149	0	%100
52	M66	Z	-.663	-.663	0	%100
53	M68	X	-.803	-.803	0	%100
54	M68	Z	-.464	-.464	0	%100
55	M69	X	-.273	-.273	0	%100
56	M69	Z	-.157	-.157	0	%100
57	M71	X	-.287	-.287	0	%100
58	M71	Z	-.166	-.166	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.537	-.537	0	%100
62	M77A	Z	-.31	-.31	0	%100
63	M78	X	-.537	-.537	0	%100
64	M78	Z	-.31	-.31	0	%100
65	M79A	X	-1.071	-1.071	0	%100
66	M79A	Z	-.618	-.618	0	%100
67	M82	X	-.149	-.149	0	%100
68	M82	Z	-.086	-.086	0	%100
69	M83A	X	-.149	-.149	0	%100
70	M83A	Z	-.086	-.086	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.273	-.273	0	%100
74	M88A	Z	-.157	-.157	0	%100
75	M90	X	-.287	-.287	0	%100
76	M90	Z	-.166	-.166	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.273	-.273	0	%100
80	M93	Z	-.157	-.157	0	%100
81	M95	X	-.287	-.287	0	%100
82	M95	Z	-.166	-.166	0	%100
83	M82A	X	-.156	-.156	0	%100
84	M82A	Z	-.09	-.09	0	%100
85	M91B	X	-.625	-.625	0	%100
86	M91B	Z	-.361	-.361	0	%100
87	MP3C	X	-.424	-.424	0	%100
88	MP3C	Z	-.245	-.245	0	%100
89	MP4C	X	-.424	-.424	0	%100
90	MP4C	Z	-.245	-.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	-.424	-.424	0	%100
92	MP2C	Z	-.245	-.245	0	%100
93	MP1C	X	-.424	-.424	0	%100
94	MP1C	Z	-.245	-.245	0	%100
95	MP3B	X	-.424	-.424	0	%100
96	MP3B	Z	-.245	-.245	0	%100
97	MP4B	X	-.424	-.424	0	%100
98	MP4B	Z	-.245	-.245	0	%100
99	MP2B	X	-.424	-.424	0	%100
100	MP2B	Z	-.245	-.245	0	%100
101	MP1B	X	-.424	-.424	0	%100
102	MP1B	Z	-.245	-.245	0	%100
103	OVP	X	-.347	-.347	0	%100
104	OVP	Z	-.2	-.2	0	%100
105	M102	X	-.106	-.106	0	%100
106	M102	Z	-.061	-.061	0	%100
107	M105	X	-.106	-.106	0	%100
108	M105	Z	-.061	-.061	0	%100
109	M108	X	-.424	-.424	0	%100
110	M108	Z	-.245	-.245	0	%100
111	M123A	X	-.643	-.643	0	%100
112	M123A	Z	-.371	-.371	0	%100
113	M124A	X	-.161	-.161	0	%100
114	M124A	Z	-.093	-.093	0	%100
115	M125A	X	-.161	-.161	0	%100
116	M125A	Z	-.093	-.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.27	-.27	0	%100
2	M1	Z	-.468	-.468	0	%100
3	M4	X	-.092	-.092	0	%100
4	M4	Z	-.159	-.159	0	%100
5	M10	X	-.232	-.232	0	%100
6	M10	Z	-.403	-.403	0	%100
7	MP3A	X	-.245	-.245	0	%100
8	MP3A	Z	-.424	-.424	0	%100
9	MP4A	X	-.245	-.245	0	%100
10	MP4A	Z	-.424	-.424	0	%100
11	MP2A	X	-.245	-.245	0	%100
12	MP2A	Z	-.424	-.424	0	%100
13	MP1A	X	-.245	-.245	0	%100
14	MP1A	Z	-.424	-.424	0	%100
15	M43	X	-.232	-.232	0	%100
16	M43	Z	-.403	-.403	0	%100
17	M46	X	-.464	-.464	0	%100
18	M46	Z	-.803	-.803	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.257	-.257	0	%100
22	M52B	Z	-.446	-.446	0	%100
23	M76	X	-.155	-.155	0	%100
24	M76	Z	-.268	-.268	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	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,%]
28	M80	Z	0	0	0	%100
29	M84	X	-.155	-.155	0	%100
30	M84	Z	-.268	-.268	0	%100
31	M85	X	-.472	-.472	0	%100
32	M85	Z	-.818	-.818	0	%100
33	M91	X	-.497	-.497	0	%100
34	M91	Z	-.862	-.862	0	%100
35	M52A	X	-.366	-.366	0	%100
36	M52A	Z	-.634	-.634	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.257	-.257	0	%100
44	M58A	Z	-.446	-.446	0	%100
45	M59A	X	-.257	-.257	0	%100
46	M59A	Z	-.446	-.446	0	%100
47	M63	X	-.618	-.618	0	%100
48	M63	Z	-1.071	-1.071	0	%100
49	M64	X	-.472	-.472	0	%100
50	M64	Z	-.818	-.818	0	%100
51	M66	X	-.497	-.497	0	%100
52	M66	Z	-.862	-.862	0	%100
53	M68	X	-.618	-.618	0	%100
54	M68	Z	-1.071	-1.071	0	%100
55	M69	X	-.472	-.472	0	%100
56	M69	Z	-.818	-.818	0	%100
57	M71	X	-.497	-.497	0	%100
58	M71	Z	-.862	-.862	0	%100
59	M76A	X	-.092	-.092	0	%100
60	M76A	Z	-.159	-.159	0	%100
61	M77A	X	-.232	-.232	0	%100
62	M77A	Z	-.403	-.403	0	%100
63	M78	X	-.232	-.232	0	%100
64	M78	Z	-.403	-.403	0	%100
65	M79A	X	-.464	-.464	0	%100
66	M79A	Z	-.803	-.803	0	%100
67	M82	X	-.257	-.257	0	%100
68	M82	Z	-.446	-.446	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.155	-.155	0	%100
72	M87	Z	-.268	-.268	0	%100
73	M88A	X	-.472	-.472	0	%100
74	M88A	Z	-.818	-.818	0	%100
75	M90	X	-.497	-.497	0	%100
76	M90	Z	-.862	-.862	0	%100
77	M92A	X	-.155	-.155	0	%100
78	M92A	Z	-.268	-.268	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	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, %]
85	M91B	X	-.27	-.27	0	%100
86	M91B	Z	-.468	-.468	0	%100
87	MP3C	X	-.245	-.245	0	%100
88	MP3C	Z	-.424	-.424	0	%100
89	MP4C	X	-.245	-.245	0	%100
90	MP4C	Z	-.424	-.424	0	%100
91	MP2C	X	-.245	-.245	0	%100
92	MP2C	Z	-.424	-.424	0	%100
93	MP1C	X	-.245	-.245	0	%100
94	MP1C	Z	-.424	-.424	0	%100
95	MP3B	X	-.245	-.245	0	%100
96	MP3B	Z	-.424	-.424	0	%100
97	MP4B	X	-.245	-.245	0	%100
98	MP4B	Z	-.424	-.424	0	%100
99	MP2B	X	-.245	-.245	0	%100
100	MP2B	Z	-.424	-.424	0	%100
101	MP1B	X	-.245	-.245	0	%100
102	MP1B	Z	-.424	-.424	0	%100
103	OVP	X	-.2	-.2	0	%100
104	OVP	Z	-.347	-.347	0	%100
105	M102	X	-.184	-.184	0	%100
106	M102	Z	-.318	-.318	0	%100
107	M105	X	0	0	0	%100
108	M105	Z	0	0	0	%100
109	M108	X	-.184	-.184	0	%100
110	M108	Z	-.318	-.318	0	%100
111	M123A	X	-.279	-.279	0	%100
112	M123A	Z	-.482	-.482	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	0	0	0	%100
115	M125A	X	-.279	-.279	0	%100
116	M125A	Z	-.482	-.482	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	M58A	Y	-1.601	-4.064	0	.832
2	M58A	Y	-4.064	-6.635	.832	1.665
3	M58A	Y	-6.635	-7.874	1.665	2.497
4	M58A	Y	-7.874	-6.292	2.497	3.329
5	M58A	Y	-6.292	-3.33	3.329	4.162
6	M59A	Y	-3.336	-6.325	0	.832
7	M59A	Y	-6.325	-7.938	.832	1.665
8	M59A	Y	-7.938	-6.771	1.665	2.497
9	M59A	Y	-6.771	-4.259	2.497	3.329
10	M59A	Y	-4.259	-1.808	3.329	4.162
11	M82	Y	-1.812	-4.256	0	.832
12	M82	Y	-4.256	-6.773	.832	1.665
13	M82	Y	-6.773	-7.943	1.665	2.497
14	M82	Y	-7.943	-6.32	2.497	3.329
15	M82	Y	-6.32	-3.329	3.329	4.162
16	M83A	Y	-3.33	-6.293	0	.832
17	M83A	Y	-6.293	-7.874	.832	1.665
18	M83A	Y	-7.874	-6.636	1.665	2.497
19	M83A	Y	-6.636	-4.066	2.497	3.329
20	M83A	Y	-4.066	-1.597	3.329	4.162
21	M51B	Y	-1.601	-4.064	0	.832

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
22	M51B	Y	-4.064	-6.634	.832	1.665
23	M51B	Y	-6.634	-7.874	1.665	2.497
24	M51B	Y	-7.874	-6.293	2.497	3.329
25	M51B	Y	-6.293	-3.33	3.329	4.162
26	M52B	Y	-3.336	-6.325	0	.832
27	M52B	Y	-6.325	-7.939	.832	1.665
28	M52B	Y	-7.939	-6.771	1.665	2.497
29	M52B	Y	-6.771	-4.258	2.497	3.329
30	M52B	Y	-4.258	-1.807	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	M58A	Y	-3.427	-8.696	0	.832
2	M58A	Y	-8.696	-14.2	.832	1.665
3	M58A	Y	-14.2	-16.851	1.665	2.497
4	M58A	Y	-16.851	-13.465	2.497	3.329
5	M58A	Y	-13.465	-7.126	3.329	4.162
6	M59A	Y	-7.139	-13.535	0	.832
7	M59A	Y	-13.535	-16.987	.832	1.665
8	M59A	Y	-16.987	-14.489	1.665	2.497
9	M59A	Y	-14.489	-9.114	2.497	3.329
10	M59A	Y	-9.114	-3.87	3.329	4.162
11	M82	Y	-3.878	-9.108	0	.832
12	M82	Y	-9.108	-14.495	.832	1.665
13	M82	Y	-14.495	-16.997	1.665	2.497
14	M82	Y	-16.997	-13.526	2.497	3.329
15	M82	Y	-13.526	-7.123	3.329	4.162
16	M83A	Y	-7.126	-13.467	0	.832
17	M83A	Y	-13.467	-16.85	.832	1.665
18	M83A	Y	-16.85	-14.202	1.665	2.497
19	M83A	Y	-14.202	-8.701	2.497	3.329
20	M83A	Y	-8.701	-3.419	3.329	4.162
21	M51B	Y	-3.427	-8.698	0	.832
22	M51B	Y	-8.698	-14.198	.832	1.665
23	M51B	Y	-14.198	-16.85	1.665	2.497
24	M51B	Y	-16.85	-13.467	2.497	3.329
25	M51B	Y	-13.467	-7.125	3.329	4.162
26	M52B	Y	-7.14	-13.535	0	.832
27	M52B	Y	-13.535	-16.989	.832	1.665
28	M52B	Y	-16.989	-14.49	1.665	2.497
29	M52B	Y	-14.49	-9.112	2.497	3.329
30	M52B	Y	-9.112	-3.867	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N111	N113	N90	N89	Y	Two Way	-.005
2	N139	N141	N118	N117	Y	Two Way	-.005
3	N6	N87C	N87B	N7	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N111	N113	N90	N89	Y	Two Way	-.011
2	N139	N141	N118	N117	Y	Two Way	-.011
3	N6	N87C	N87B	N7	Y	Two Way	-.011

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	802.421	10	2291.507	13	1950.189	1	5.294	1	1.082	4
2		min	-796.283	4	135.82	7	-2069.062	7	-1.407	7	-1.081	10
3	N87D	max	1491.832	9	2133.354	21	1036.872	1	.612	3	.986	12
4		min	-1597.614	3	94.966	3	-983.02	7	-2.563	9	-.985	6
5	N115	max	1733.882	11	2151.184	17	925.48	11	.653	11	.952	8
6		min	-1634.135	5	66.295	11	-860.796	5	-2.506	5	-.951	2
7	Totals:	max	3786.196	10	5976.881	24	3802.158	1				
8		min	-3786.196	4	2936.498	6	-3802.158	7				

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

Member	Shape	Code Check	Loc[...]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn	
1	M1	PIPE 3.0	.154	4.818	5	.105	8.333	7	28250.5...	65205	5.749	5.749	2...	H1-1b	
2	M4	HSS4X4X4	.337	0	1	.069	0	y	23	124657...	139518	16.181	16.181	2...	H1-1b
3	M10	HSS4X4X4	.141	2.375	14	.042	2.375	y	13	136263...	139518	16.181	16.181	1...	H1-1b
4	MP3A	PIPE 2.0	.455	5.125	5	.135	3.437	3	20866.7...	32130	1.872	1.872	2...	H1-1b	
5	MP4A	PIPE 2.0	.272	5.125	5	.105	5.125	6	20866.7...	32130	1.872	1.872	2...	H1-1b	
6	MP2A	PIPE 2.0	.461	5.125	9	.125	3.437	12	20866.7...	32130	1.872	1.872	2...	H1-1b	
7	MP1A	PIPE 2.0	.345	5.125	9	.148	2.187	8	20866.7...	32130	1.872	1.872	2...	H1-1b	
8	M43	HSS4X4X4	.149	0	24	.050	0	y	13	136263...	139518	16.181	16.181	1...	H1-1b
9	M46	PL1/2x6	.151	.516	1	.148	.516	y	10	66009.2...	97200	1.012	12.15	1...	H1-1b
10	M51B	L2x2x3	.115	4.162	1	.012	4.162	y	17	9823.122	23392.8	.558	1.078	1...	H2-1
11	M52B	L2x2x3	.113	4.162	12	.012	4.162	y	21	9823.122	23392.8	.558	1.086	1...	H2-1
12	M76	PL3/8x6	.195	0	11	.223	0	y	17	70677.9...	72900	.57	9.113	1...	H1-1b
13	M77	PL3/8x6	.194	.167	7	.279	0	y	14	71601.7...	72900	.57	9.113	1...	H1-1b
14	M80	PL1/2x6	.062	.112	1	.108	0	y	11	96757.5...	97200	1.012	12.15	1...	H1-1b
15	M84	PL3/8x6	.224	0	10	.140	0	y	9	70677.9...	72900	.57	9.113	1...	H1-1b
16	M85	PL3/8x6	.181	.167	7	.302	0	y	24	71601.7...	72900	.57	9.113	1...	H1-1b
17	M91	PL1/2x6	.060	.112	1	.101	.112	y	9	96757.5...	97200	1.012	12.15	1...	H1-1b
18	M52A	HSS4X4X4	.318	0	9	.093	0	y	44	124657...	139518	16.181	16.181	2...	H1-1b
19	M53	HSS4X4X4	.142	2.375	22	.042	2.375	y	22	136263...	139518	16.181	16.181	1...	H1-1b
20	M54	HSS4X4X4	.148	0	20	.054	0	y	45	136263...	139518	16.181	16.181	1...	H1-1b
21	M55	PL1/2x6	.149	.516	9	.152	.516	y	6	66009.2...	97200	1.012	12.15	1...	H1-1b
22	M58A	L2x2x3	.113	4.162	9	.012	4.162	y	13	9823.122	23392.8	.558	1.078	1...	H2-1
23	M59A	L2x2x3	.112	4.162	7	.012	4.162	y	17	9823.122	23392.8	.558	1.092	1...	H2-1
24	M63	PL3/8x6	.199	0	7	.226	0	y	13	70677.9...	72900	.57	9.113	1...	H1-1b
25	M64	PL3/8x6	.192	.167	3	.281	0	y	22	71601.7...	72900	.57	9.113	1...	H1-1b
26	M66	PL1/2x6	.061	.112	9	.109	0	y	7	96757.5...	97200	1.012	12.15	1...	H1-1b
27	M68	PL3/8x6	.235	0	6	.168	0	y	29	70677.9...	72900	.57	9.113	1...	H1-1b
28	M69	PL3/8x6	.175	.167	3	.301	0	y	20	71601.7...	72900	.57	9.113	1...	H1-1b
29	M71	PL1/2x6	.059	.112	9	.106	.112	y	5	96757.5...	97200	1.012	12.15	1...	H1-1b
30	M76A	HSS4X4X4	.328	0	5	.089	0	y	30	124657...	139518	16.181	16.181	2...	H1-1b
31	M77A	HSS4X4X4	.143	2.375	18	.051	2.375	y	30	136263...	139518	16.181	16.181	1...	H1-1b
32	M78	HSS4X4X4	.150	0	16	.050	0	y	17	136263...	139518	16.181	16.181	1...	H1-1b
33	M79A	PL1/2x6	.154	.516	5	.148	.516	y	2	66009.2...	97200	1.012	12.15	1...	H1-1b
34	M82	L2x2x3	.118	4.162	5	.012	4.162	y	21	9823.122	23392.8	.558	1.077	1...	H2-1
35	M83A	L2x2x3	.112	4.162	4	.012	0	y	13	9823.122	23392.8	.558	1.086	1...	H2-1
36	M87	PL3/8x6	.191	0	8	.224	0	y	21	70677.9...	72900	.57	9.113	1...	H1-1b
37	M88A	PL3/8x6	.199	.167	11	.288	0	y	30	71601.7...	72900	.57	9.113	1...	H1-1b
38	M90	PL1/2x6	.063	.112	5	.105	0	y	3	96757.5...	97200	1.012	12.15	1...	H1-1b
39	M92A	PL3/8x6	.221	0	2	.167	0	y	25	70677.9...	72900	.57	9.113	1...	H1-1b
40	M93	PL3/8x6	.184	.167	11	.303	0	y	16	71601.7...	72900	.57	9.113	1...	H1-1b
41	M95	PL1/2x6	.061	.112	5	.105	.112	y	1	96757.5...	97200	1.012	12.15	1...	H1-1b
42	M82A	PIPE 3.0	.155	8.333	12	.104	8.333	3	28250.5...	65205	5.749	5.749	2...	H1-1b	
43	M91B	PIPE 3.0	.150	8.333	8	.105	8.333	11	28250.5...	65205	5.749	5.749	2...	H1-1b	

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

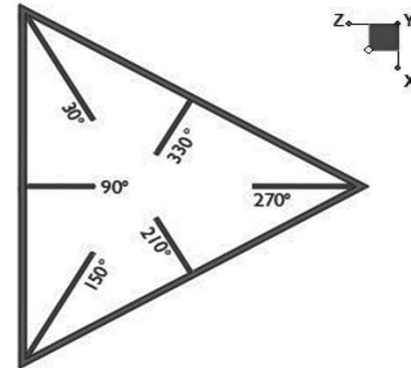
Member	Shape	Code Check	Loc[...]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn	
44	MP3C	PIPE 2.0	.453	5.125	1	.137	3.437	11	20866.7...	32130	1.872	1.872	1..	H1-1b	
45	MP4C	PIPE 2.0	.271	5.125	1	.100	5.125	2	20866.7...	32130	1.872	1.872	2..	H1-1b	
46	MP2C	PIPE 2.0	.473	5.125	5	.120	3.437	8	20866.7...	32130	1.872	1.872	2..	H1-1b	
47	MP1C	PIPE 2.0	.352	5.125	5	.149	2.187	4	20866.7...	32130	1.872	1.872	2..	H1-1b	
48	MP3B	PIPE 2.0	.444	5.125	9	.137	3.437	7	20866.7...	32130	1.872	1.872	2..	H1-1b	
49	MP4B	PIPE 2.0	.264	5.125	9	.102	5.125	10	20866.7...	32130	1.872	1.872	2..	H1-1b	
50	MP2B	PIPE 2.0	.472	5.125	1	.123	3.437	4	20866.7...	32130	1.872	1.872	2..	H1-1b	
51	MP1B	PIPE 2.0	.354	5.125	1	.152	2.187	12	20866.7...	32130	1.872	1.872	2..	H1-1b	
52	OVP	PIPE 2.0	.124	2.5	11	.016	2.5	11	28843.4...	32130	1.872	1.872	1..	H1-1b	
53	M102	PIPE 2.0	.353	8.333	6	.182	10.417	7	6295.422	32130	1.872	1.872	2..	H1-1b	
54	M105	PIPE 2.0	.340	8.333	2	.180	10.417	3	6295.422	32130	1.872	1.872	2..	H1-1b	
55	M108	PIPE 2.0	.341	8.333	10	.181	10.417	11	6295.422	32130	1.872	1.872	2..	H1-1b	
56	M123A	L3X3X4	.367	2.061	9	.033	0	y	8	42464.8...	46656	1.688	3.756	2..	H2-1
57	M124A	L3X3X4	.371	2.061	1	.035	0	y	12	42464.8...	46656	1.688	3.756	2..	H2-1
58	M125A	L3X3X4	.372	2.061	5	.034	0	y	4	42464.8...	46656	1.688	3.756	2..	H2-1



I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N87D	30
N3	270
N115	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):

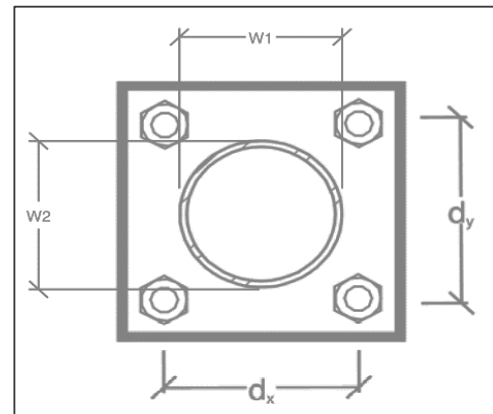
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
23.1
4.4
20.7
12.4
27.9%*
8.8%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

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

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
8
8
4
4
36
0.625
4
5.57
3.10
46.0%
55.7%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in) :	11.6
$\Phi \cdot M_{n_{xx}}$ (kip-in) :	25.3
$M_{u_{yy}}$ (kip-in) :	0.1
$\Phi \cdot M_{n_{yy}}$ (kip-in) :	25.3

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 the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

OR

The material utilized was approved by a SMART Tool 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:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

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:

Install proposed OVP unit onto new equipment pipe connected to existing standoff horizontal between the Beta and Gamma sectors as detailed in the Mount Modification Drawings.

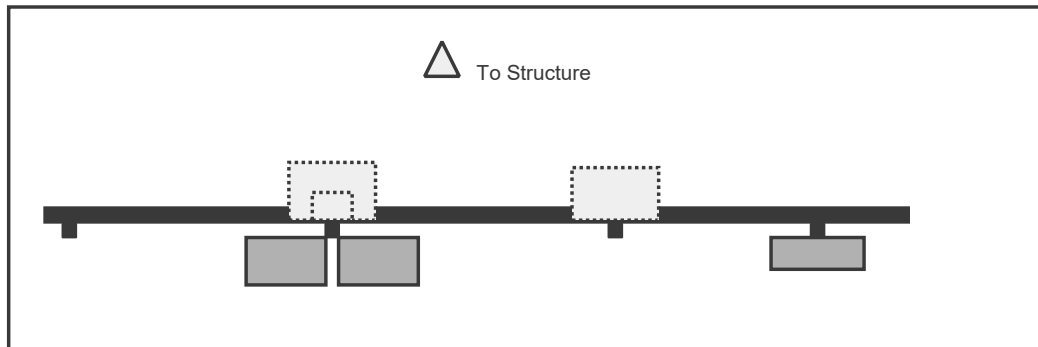
Response:

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

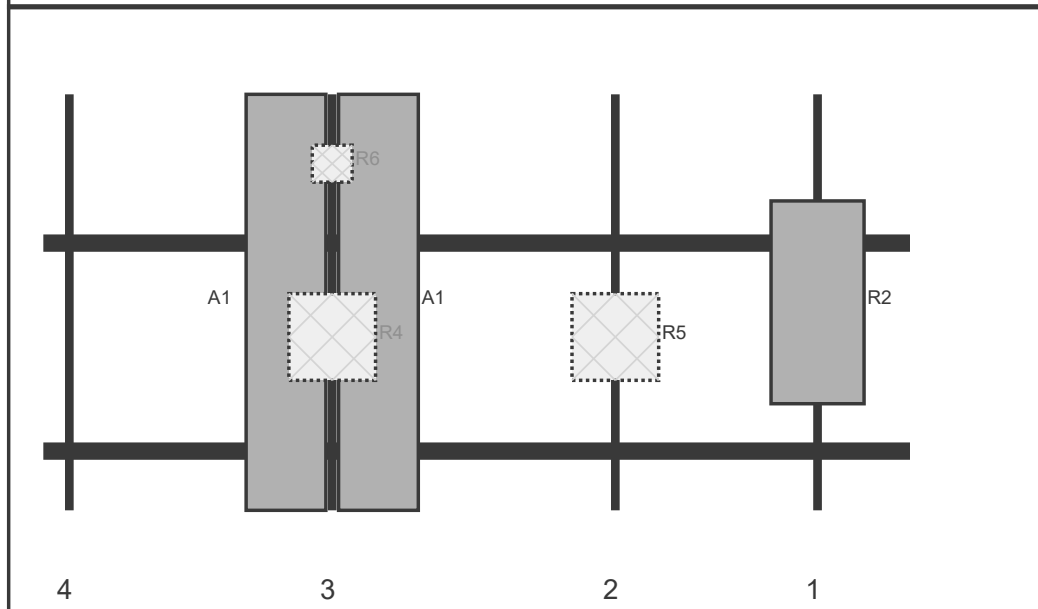
Yes No

Comments:

Plan View

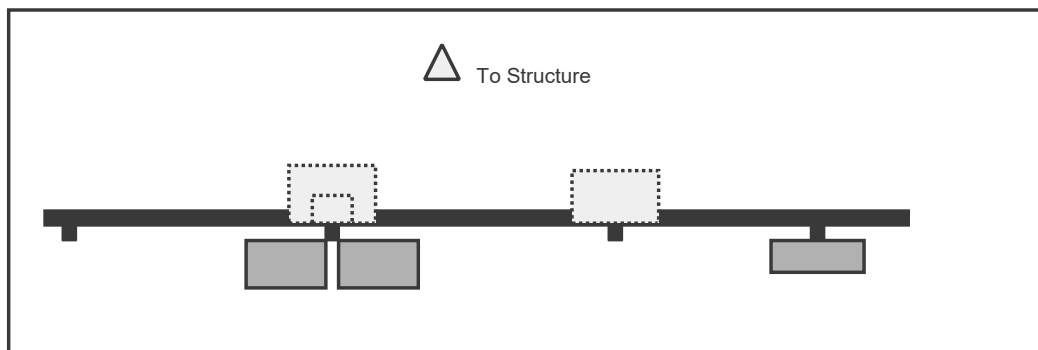


Front View
Looking at Structure

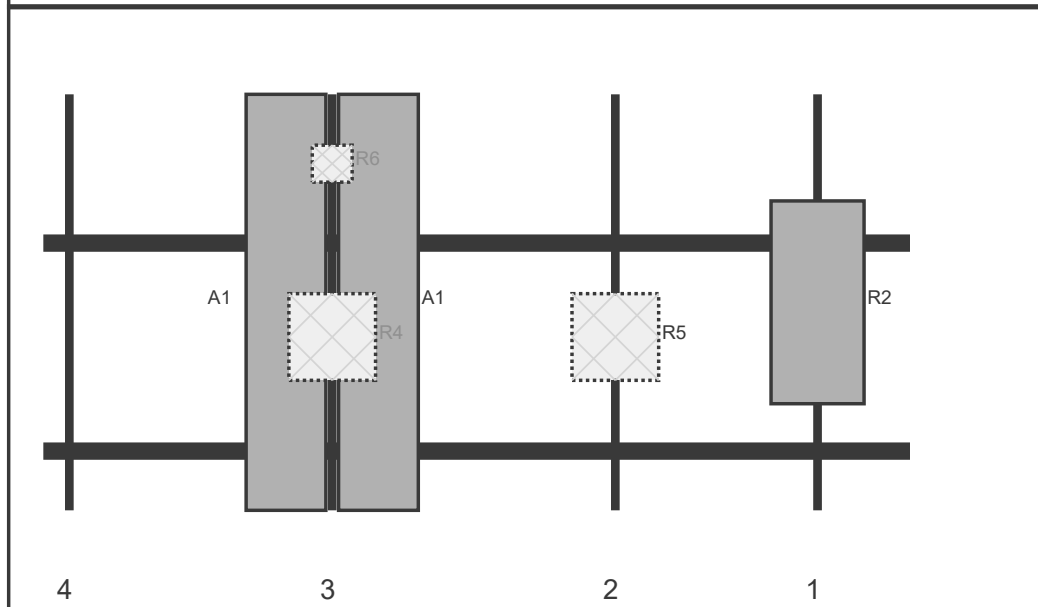


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	134	1	a	Front	36	0	Added	
R5	RF4440d-13A	15	15	99	2	a	Behind	42	0	Added	
A1	JAHH-65B-R3B	72	13.8	50	3	a	Front	36	8	Added	
A1	JAHH-65B-R3B	72	13.8	50	3	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	50	3	a	Behind	42	0	Added	
R6	CBC78T-DS-43-2X	6.4	6.9	50	3	a	Behind	12	0	Added	

Plan View

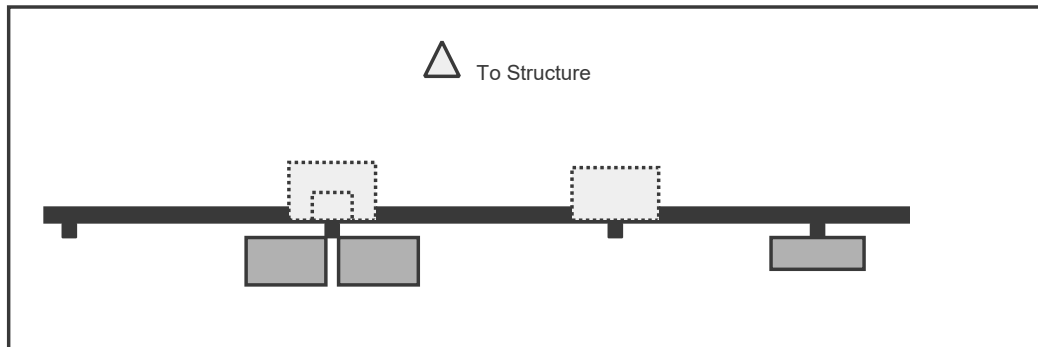


Front View
Looking at Structure

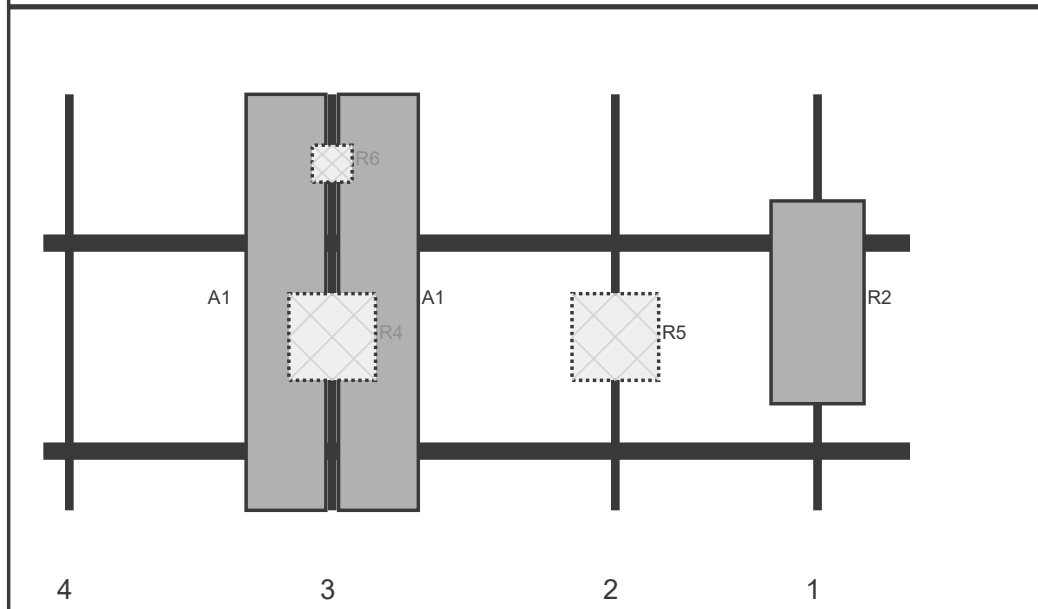


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	134	1	a	Front	36	0	Added	
R5	RF4440d-13A	15	15	99	2	a	Behind	42	0	Added	
A1	JAHH-65B-R3B	72	13.8	50	3	a	Front	36	8	Added	
A1	JAHH-65B-R3B	72	13.8	50	3	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	50	3	a	Behind	42	0	Added	
R6	CBC78T-DS-43-2X	6.4	6.9	50	3	a	Behind	12	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
R2	MT6407-77A	35.1	16.1	134	1	a	Front	36	0	Added	
R5	RF4440d-13A	15	15	99	2	a	Behind	42	0	Added	
A1	JAHH-65B-R3B	72	13.8	50	3	a	Front	36	8	Added	
A1	JAHH-65B-R3B	72	13.8	50	3	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	50	3	a	Behind	42	0	Added	
R6	CBC78T-DS-43-2X	6.4	6.9	50	3	a	Behind	12	0	Added	

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 469332-VZW / PLAINFIELD N 2 CT
Site Name: PLAINFIELD N 2 CT
Carrier Name: Verizon Wireless
Address: 47-52 Unity Street
Plainfield, Connecticut 06374
Windham County
Latitude: 41.715136°
Longitude: -71.896314°

Structure Information

Tower Type: Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16272124

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,



Digitally signed by Justin Linette
Date: 2021.09.13 14:28:41-04'00'

Justin Linette, PE
Senior Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: **PLAINFIELD N 2 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	628	2511	127	0.0056	0.5007	1.12%
VZW Cellular	874	4	725	2902	127	0.0065	0.5827	1.11%
VZW PCS	1977.5	4	1480	5919	127	0.0132	1.0000	1.32%
VZW AWS	2120	4	1450	5802	127	0.0129	1.0000	1.29%
VZW CBAND	3730.08	4	6531	26125	127	0.0583	1.0000	5.83%
Total Percentage of Maximum Permissible Exposure								10.67%

*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.

14513

Network Building & Consulting LLC SA

1177 Sentry Parkway West, VEVA 17, Suite 400
Blue Bell, PA 19422
(410)712-7092



BB&T is now Truist
65-330/550



CHECK DATE 10/20/2021

PAY Six Hundred Twenty Five and 0/100 Dollars

AMOUNT \$625.00

TO Connecticut Siting Council

VOID After 6 Months



AUTHORIZED SIGNATURE

Security features. Details on back.

⑈00014513⑈ ⑆055003308⑆ 1210000891825⑈

Network Building & Consulting LLC SA

14513

Network Building & Consulting, LLC

Check Date: 10/20/2021

Check Request#: CR010786

Project /Site ID: 100788/ 1120

Site Name: 876401

Purpose: Admin Zoning Fee

Memo 1: Building permit fee for Crown Castle 876401 APP 583854 47-51 Unity Street,
Plainfield, CT 06374

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

Memo 2:

Memo 3:

Memo 4:

14513



ORIGIN ID:QFMA (551) 804-0667
 ERSILIA DAVIS
 1777 SENTRY PARKWAY
 VEVA 17, SUITE 210
 BLUE BELL, PA 19422
 UNITED STATES US

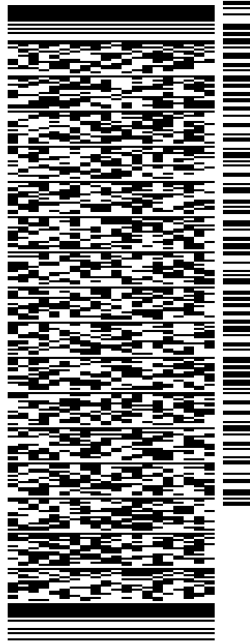
SHIP DATE: 21OCT21
 ACTWGT: 1.00 LB
 CAD: 108980334INNET4400

TO **MELANIE A. BACHMAN**
CONNECTICUT SITING COUNCIL
10 FRANKLIN SQUARE

BILL SENDER

NEW BRITAIN CT 06051

(860) 827-2935 REF: 100789/CSC 876401
 INV/ PO: DEPT:



56DJ314BAFE4A

TRK# 7749 8637 1127
 0201

FRI - 22 OCT 10:30A
 PRIORITY OVERNIGHT

EB BDLA
 CT-US **BDL**
06051

After printing this label:

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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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