



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

January 21, 2022

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# 857012; Verizon Site ID# 467808
335 SOUTH WASHINGTON ST PLAINVILLE, CT 06062
Latitude: 41.652111 / Longitude: -72.879694

Ms. Bachman:

Verizon currently maintains fifteen (15) antennas at the 112-foot mount on the existing 121-foot Monopole Tower located at 335 South Washington ST Plainville, CT. The property is owned by DISPLAY PROPERTIES LLC and the Tower by Crown Castle. Verizon now intends to replace six (6) existing antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:
Tower:

Remove and Replace:

(3) Antel LPA-80063-4CF-EDIN Antennas **(REMOVE)** – (3) Samsung MT6407-77A Antennas **(REPLACE)**

(3) Antel LPA-80063-4CF-EDIN Antennas **(REMOVE)** (3) Antel XXDWMM 12.5-65-8T Antennas **(REPLACE)**

(3) Nokia UHIC B4 RRH 2X60-4R Radios **(REMOVE)** - (3) Samsung RF01U-D1A Radios **(REPLACE)**

(3) Nokia UHBA B13 RRH 4X30 Radios **(REMOVE)** - (3) Samsung RF01U-D2A Radios **(REPLACE)**

(1) Raycap RRFDC-3315-PF-48 OVP **(REMOVE)** – (1) Raycap RVZDC-6627-PF-48 OVP **(REPLACE)**



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Install New:

- (1) Hybrid cable 1 5/8"
- (3) Antenna Mounting Bracket
- Modify platform mount

Remove:

- (1) Hybrid cable 1 5/8"

The facility was approved by the Connecticut Siting Council by way of an exempt modification approval on March 17th, 2014.

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 Katherine Pugliese, Chair of the Town of Plainville and J.Chris DiTolla, Building Official for the Town of Plainville. A copy will also be sent to the property owner.

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

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



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

Sincerely,

Colin Robinson

Colin Robinson
Project Manager
NETWORK BUILDING + CONSULTING
100 Apollo Drive Suite 303
Chelmsford, MA 01824
crobenson@nbcllc.com
(360) 561-3311

cc:

Katherine Pugliese, Chair (*Via Federal Express*)
Plainville Municipal Center
One Central Square
Plainville, CT 06062
860-793-0221

J.Chris DiTolla, Building Official (*Via Federal Express*)
Plainville Municipal Center
One Central Square
Room 100
Plainville, CT 06062
(860) 793-0221

DISPLAY PROPERTIES LLC (*Via Federal Express*)
335 S WASHINGTON ST
PLAINVILLE, CT 06062
(860) 747-9110

Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Tuesday, January 25, 2022 11:31 AM
To: Colin Robinson
Subject: FedEx Shipment 775821686260: Your package has been delivered



Hi. Your package was
delivered Tue, 01/25/2022 at
11:28am.



Delivered to 1 CENTRAL SQ, PLAINVILLE, CT 06062
Received by J.BONNACASSIO

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [775821686260](#)

FROM NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

TO Plainville Municipal Center
Katherine Pugliese, Chair

One Central Square
PLAINVILLE, CT, US, 06062

REFERENCE	100788 NB+C
SHIPPER REFERENCE	100788 NB+C
SHIP DATE	Mon 1/24/2022 05:44 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	PLAINVILLE, CT, US, 06062
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Standard Overnight



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Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Tuesday, January 25, 2022 11:31 AM
To: Colin Robinson
Subject: FedEx Shipment 775821704311: Your package has been delivered



Hi. Your package was
delivered Tue, 01/25/2022 at
11:28am.



Delivered to 1 CENTRAL SQ, PLAINVILLE, CT 06062
Received by J.BONNACASSIO

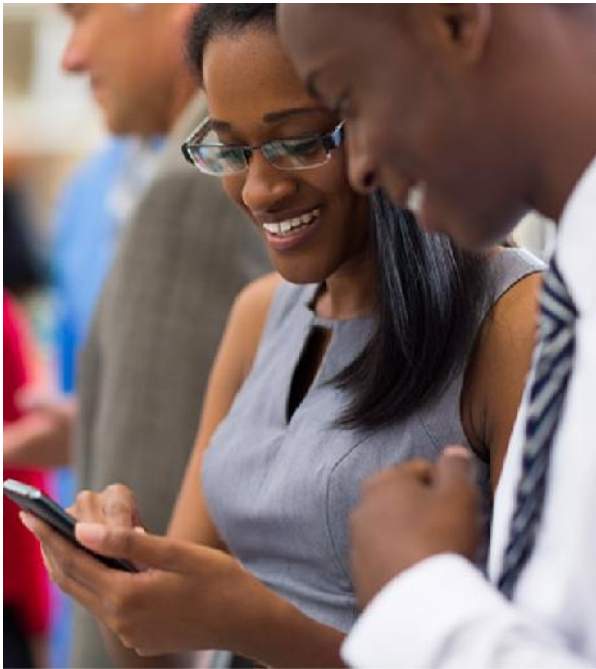
OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [775821704311](#)

FROM NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

TO Plainville Municipal Center
J.Chris DiTolla, Building Official

	One Central Square Room 100 PLAINVILLE, CT, US, 06062
REFERENCE	100788 NB+C
SHIPPER REFERENCE	100788 NB+C
SHIP DATE	Mon 1/24/2022 05:44 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	PLAINVILLE, CT, US, 06062
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Standard Overnight



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Colin Robinson

From: TrackingUpdates@fedex.com
Sent: Tuesday, January 25, 2022 2:06 PM
To: Colin Robinson
Subject: FedEx Shipment 775821725743: Your package has been delivered



Hi. Your package was
delivered Tue, 01/25/2022 at
2:03pm.



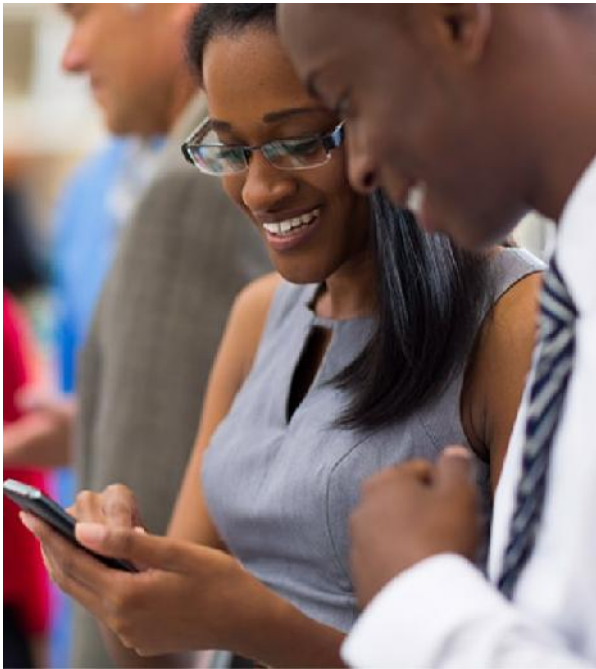
Delivered to 335 S WASHINGTON ST, PLAINVILLE, CT 06062
Received by M.GERY

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER [775821725743](#)

FROM NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

TO	DISPLAY PROPERTIES LLC 335 S WASHINGTON ST PLAINVILLE, CT, US, 06062
REFERENCE	100788 NB+C
SHIPPER REFERENCE	100788 NB+C
SHIP DATE	Mon 1/24/2022 05:44 PM
DELIVERED TO	Shipping/Receiving
PACKAGING TYPE	FedEx Envelope
ORIGIN	CHELMSFORD, MA, US, 01824
DESTINATION	PLAINVILLE, CT, US, 06062
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight



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Exhibit A

Original Facility Approval

DEPARTMENT OF
COMMUNITY SERVICES

April 10, 1997

Thomas A. Cookingham, AICP
SBA, Inc.
300 Research Parkway
Meriden, CT 06450

Subject: 29 South Main St.

Dear Mr. Cookingham:

Approval has been granted for the site plan application for the subject property. The approval is for the construction of a forty (40) foot stub tower with associated equipment on the penthouse of the parking garage.

The "associated equipment" is detailed on the two (2) sheet plan set. Specifically, one sheet is entitled "Zoning Drawing - rev. date: 11-3-96" sheet 2 entitled, "zoning elevations - rev. date 3-3-87."

Please submit to the Planning Office as soon as possible two (2) blueprint copies and one (1) mylar set of the approved plans, all signed and sealed by the professional responsible for preparing the plans.

If we can be of further assistance, please call me at 523-3123.

Very truly yours,



Mila Limson
Acting Town Planner

c: Ron Van Winkle, Director of Community Services
Don Foster, Town Planner

29SMain



TOWN OF WEST HARTFORD 50 SOUTH MAIN STREET
WEST HARTFORD, CONNECTICUT 06107-2431
(860) 523-3123 FAX: (860) 523-3200

Hanlon, Dashanna

From: Holzschuh, Cymon <Cymon.Holzschuh@ct.gov>
Sent: Tuesday, January 12, 2016 1:13 PM
To: Terry, Dashanna; CSC-DL Siting Council
Cc: Barbadora, Jeff
Subject: RE: 29 Main St - Existing Telecommunication Tower located at 29 Main Street, West Hartford (Crown Castle 876328 / ATT CT5843 - CSC Requirement)

I will note in our records that the West Hartford Planning and Zoning Division has no record of conditions of approval for this facility.

Thank you for your submission.

Cymon Holzschuh
Siting Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051
P: 860.827.2941 | F: 860.827.2950



www.ct.gov/deep

*Conserving, improving and protecting our natural resources and environment;
Ensuring a clean, affordable, reliable, and sustainable energy supply.*

From: Terry, Dashanna [mailto:Dashanna.Terry@crowncastle.com]
Sent: Tuesday, January 12, 2016 12:36 PM
To: CSC-DL Siting Council
Cc: Barbadora, Jeff
Subject: 29 Main St - Existing Telecommunication Tower located at 29 Main Street, West Hartford (Crown Castle 876328 / ATT CT5843 - CSC Requirement)

To Whom It May Concern:

Please be advised both the township (see email below) and Crown Castle as the tower owner, do not have the original zoning resolution on file. Although this approval notice was supplied by the township, the docket number was not available. Please use this email as notification to waive this requirement as we will include this and the email from the township within our submission.

Please let me know if you have any questions or need additional information. Thank you in advance.

Dashanna

DASHANNA TERRY

Real Estate Project Coordinator

T: (781) 970-0067 | M: (571) 241-0984



12 Gill Street, Suite 5800, Woburn, MA 01801

Crowncastle.com

From: Brittany Bermingham [mailto:Brittany.Bermingham@WestHartfordCT.gov]

Sent: Tuesday, January 12, 2016 11:15 AM

To: Terry, Dashanna

Subject: 29 South Main Street Permit Information

Hi Dashanna,

Attached please find the Site Plan approval letter for 29 South Main Street. On the phone you referenced 27 South Main but that property does not exist so we think this might be what you are looking for instead. Let me know!

Brittany

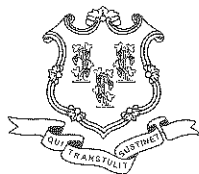
Brittany A. Bermingham

Planning Technician

Planning and Zoning Division, West Hartford Town Hall

860-561-7555

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STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

March 17, 2014

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

RE: **EM-VER-110-140224** - Celco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 335 South Washington Street, Plainville, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated February 21, 2014. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,

Melanie A. Bachman
Acting Executive Director

MAB/MP/jb

- c: The Honorable Katherine Pugliese, Chairman, Town of Plainville
Robert E. Lee, Town Manager, Town of Plainville
Mark DeVoe, AICP, Dir. of Planning and Economic Development, Town of Plainville
Christopher B. Fisher, Esq., AT&T

Exhibit B

Property Card

Plainville, CT : Assessor Database

Property Search:

Parcel ID:

Alternate ID:

Owner 1 Name:

Street Number:

Street Name:

...

Search

Reset

Property Detail:

Parcel ID:	Alternate ID / Map Block Lot:	Card:	Card:	Street Name:	Street Number:	Zoning:	LUC:	Acres:
42-A-03	R05380	1	1	S WASHINGTON ST	335	RI	Manufacturing Warehouse Facilities	8.00

Owner Information:

Owner 1 Name:	DISPLAY PROPERTIES LLC
Owner 2 Name:	
Street 1:	335 S WASHINGTON ST
Street 2:	
City:	PLAINVILLE
State:	CT
Zip:	06062
Volume:	374
Page:	357
Deed Date:	0000-00-00

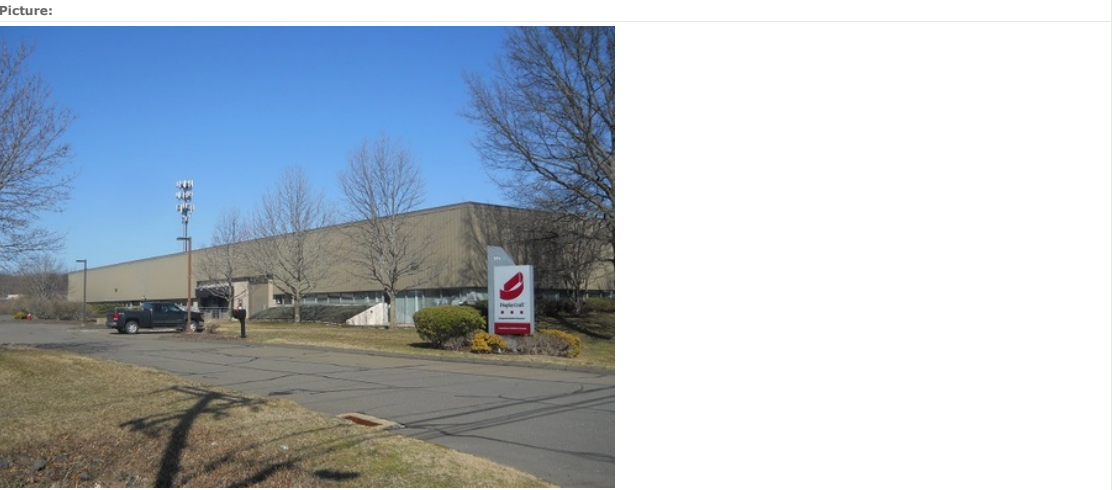
Building Information:

Building Number:	1
Units:	1
Structure Type:	WAREHOUSE
Grade:	B-
Identical Units:	1
Year Built:	1989

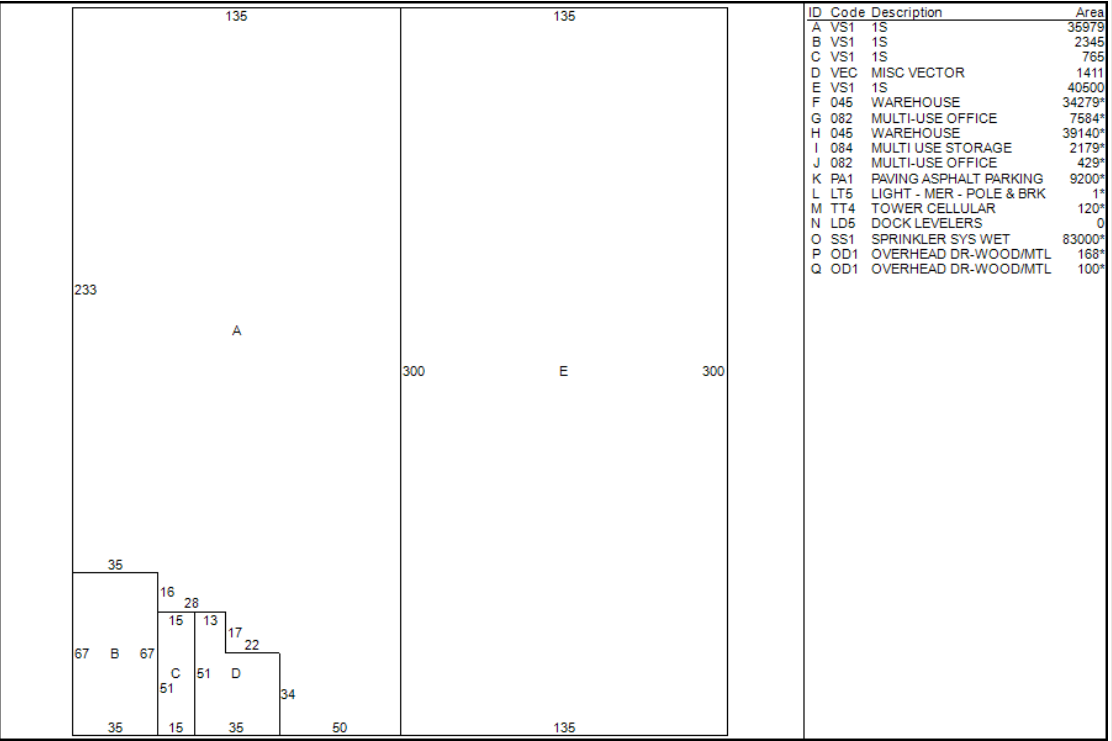
Valuation:

Appraised Land:	\$467,600.00
Appraised Bldg:	\$3,678,300.00
Appraised Total:	\$4,145,900.00
Total Assessment:	\$2,902,130.00

Property Images:



Sketch:



Sales History:

Book:	Page:	Sale Date:	Price:	Validity:	Sale Type:
374	35	03/27/2001	1,953,261		
130	418	05/07/1963			
261	271	09/14/1988			
261	313	09/14/1988			
374	357	03/27/2001			

Out-Buildings:

Code:	Description:	Units:	Year Built:	Size1:	Size2:	Area:	Grade:	Condition:
-------	--------------	--------	-------------	--------	--------	-------	--------	------------

PA1	PAVING ASPHALT PARKING	1	1989	1	9200	9200	C	NORMAL (Comm)
LT5	LIGHT - MER - POLE & BRK	4	2006	0	0	1	C	NORMAL (Comm)
TT4	TOWER CELLULAR	1	2000	1	120	120	C	NORMAL (Comm)

Building Interior/Exterior Information:

Floor From:	Floor To:	Area:	Use Type:	Exterior Walls:	Contruction Type:	Heating:	A/C:	Plumbing:	Functional Utility:
01	01	39140	WAREHOUSE	METAL, SANDWICH	FIRE RESISTANT	UNIT HEATERS	NONE	NORMAL	3
01	01	34279	WAREHOUSE	METAL, SANDWICH	FIRE RESISTANT	UNIT HEATERS	NONE	NORMAL	3
01	01	7584	MULTI-USE OFFICE	METAL, SANDWICH	FIRE RESISTANT	HOT AIR	CENTRAL	NORMAL	2
M1	M1	2179	MULTI USE STORAGE	METAL, SANDWICH	FIRE RESISTANT	HOT AIR	NONE	NONE	3
M2	M2	429	MULTI-USE OFFICE	METAL, SANDWICH	FIRE RESISTANT	HOT AIR	CENTRAL	NORMAL	3

The information delivered through this on-line database is provided in the spirit of open access to government information and is intended as an enhanced service and convenience for citizens of Plainville, CT. The providers of this database: Tyler CLT, Big Room Studios, and Plainville, CT assume no liability for any error or omission in the information provided here.

Comments regarding this service should be directed to: heering@plainville-ct.gov



Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 467808

VERIZON SITE NAME: SOUTHINGTON NORTH CT

VERIZON FUZE ID: 16244615

SITE TYPE: MONOPOLE

TOWER HEIGHT: 121'-0"

BUSINESS UNIT #: 857012

SITE ADDRESS: 335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

COUNTY: HARTFORD

JURISDICTION: TOWN OF PLAINVILLE

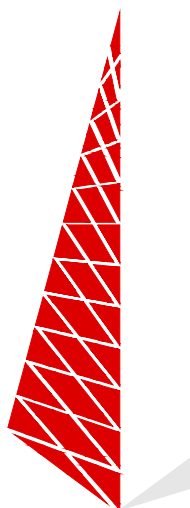
VERIZON MODIFICATION;4G_CBRs,4G_PCS,5G_850,5G_LSUB6-PREP



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430



TOWER
ENGINEERING
PROFESSIONALS

326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 176678.633475

VERIZON SITE NUMBER:
467808

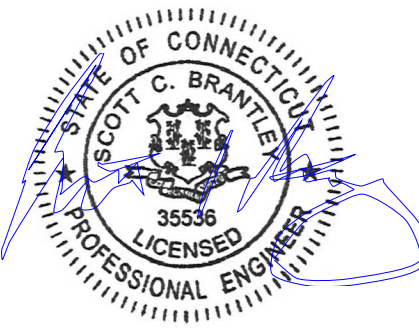
BU #: 857012
PLAINVILLE SOUTH
WASHINGTON ST

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

EXISTING 121'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/06/22	PSS	CONSTRUCTION	RST



01/06/22

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:

T-1

REVISION:

0

SITE INFORMATION

CROWN CASTLE USA INC.
SITE NAME:

PLAINVILLE SOUTH WASHINGTON ST

SITE ADDRESS:

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

COUNTY:

HARTFORD

MAP/PARCEL #:

42-A-03

AREA OF CONSTRUCTION:

EXISTING

LATITUDE:

41° 39' 11.03" (41.652111°)

LONGITUDE:

-72° 52' 36.90" (72.879694°)

LAT/LONG TYPE:

NAD83

GROUND ELEVATION:

186 FT

CURRENT ZONING:

RI

JURISDICTION:

TOWN OF PLAINVILLE

OCCUPANCY CLASSIFICATION:

U

TYPE OF CONSTRUCTION:

IIB

A.D.A. COMPLIANCE:

FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION

PROPERTY OWNER:

DISPLAY PROPERTIESLLC
335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

TOWER OWNER:

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

CARRIER/APPLICANT:

VERIZON WIRELESS
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

ELECTRIC PROVIDER:

CONNECTICUT LIGHT & POWER CO
(800) 286-2000

TELCO PROVIDER:

AT&T
(800) 331-0500

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	COLOR CODE MATRIX
C-7	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT

https://pmi.vxwsmart.com

SMART TOOL VENDOR

PROJECT NUMBER

10117475

VzW LOCATION CODE (PSLC)

467808

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

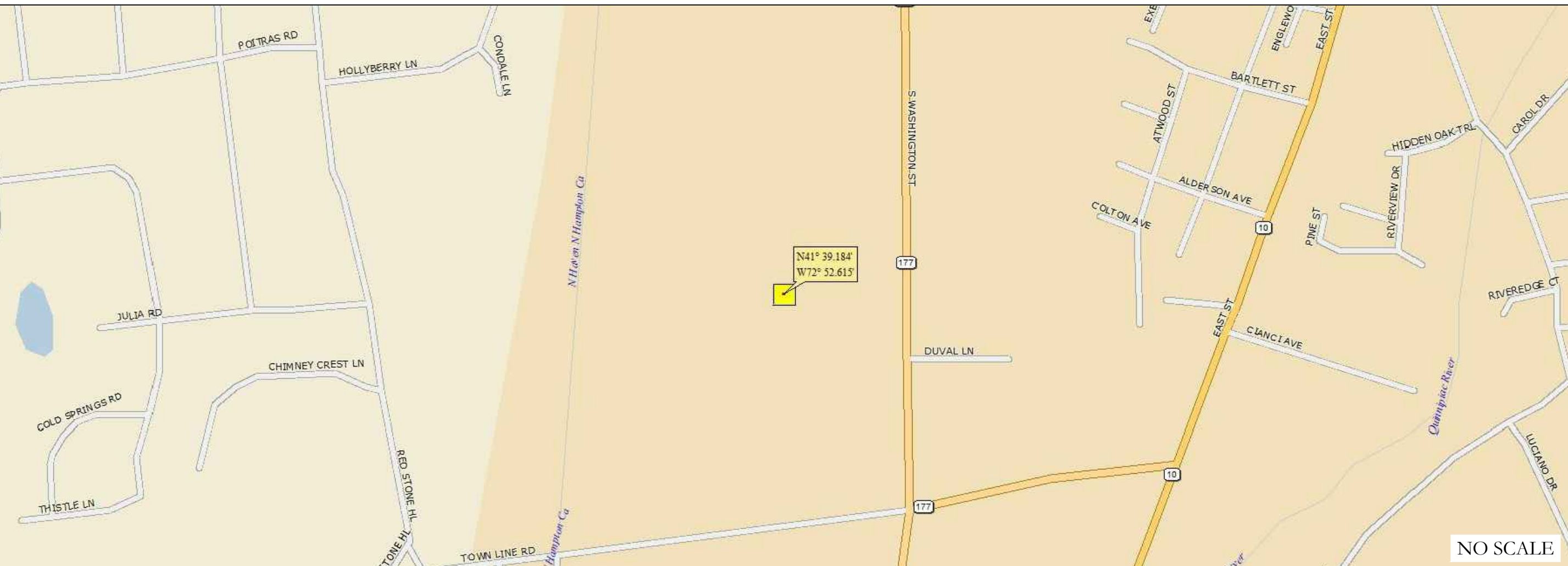
MOUNT MODIFICATION REQUIRED

Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (785 QUEEN ST, SOUTHINGTON, CT 06489)
HEAD NORTH ON CT-10 N TOWARD AIRCRAFT RD. TURN LEFT ONTO CT-177 N/TOWN LINE RD. TURN RIGHT ONTO ROBERT JACKSON WAY.

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:

06/09/2021

MOUNT ANALYSIS:

MASER CONSULTING CONNECTICUT

DATED:

12/01/2021

RFDS REVISION:

0

DATED:

11/10/2021

ORDER ID:

574559

REVISION:

3

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (6) ANTENNAS
- REMOVE (6) RRHs
- REMOVE (1) OVP BOX
- REMOVE (1) HYBRID CABLE
- INSTALL (3) SIDE-BY-SIDE ANTENNA BRACKETS
- INSTALL (6) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (1) OVP BOX
- INSTALL (1) HYBRID CABLE

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

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT: THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING LANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED-STD-10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS." IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
 - 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
 - 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET CREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE		
SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
277/480V, 3Ø	GROUND	GREEN
	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
DC VOLTAGE	NEUTRAL	GREY
	GROUND	GREEN
	POS (+)	RED**
	NEG (-)	BLACK**

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

ABBREVIATIONS:

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



VERIZON SITE NUMBER:
467808

BU #: 857012
**PLAINVILLE SOUTH
WASHINGTON ST**

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

EXISTING 121'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/06/22	PSS	CONSTRUCTION	RST

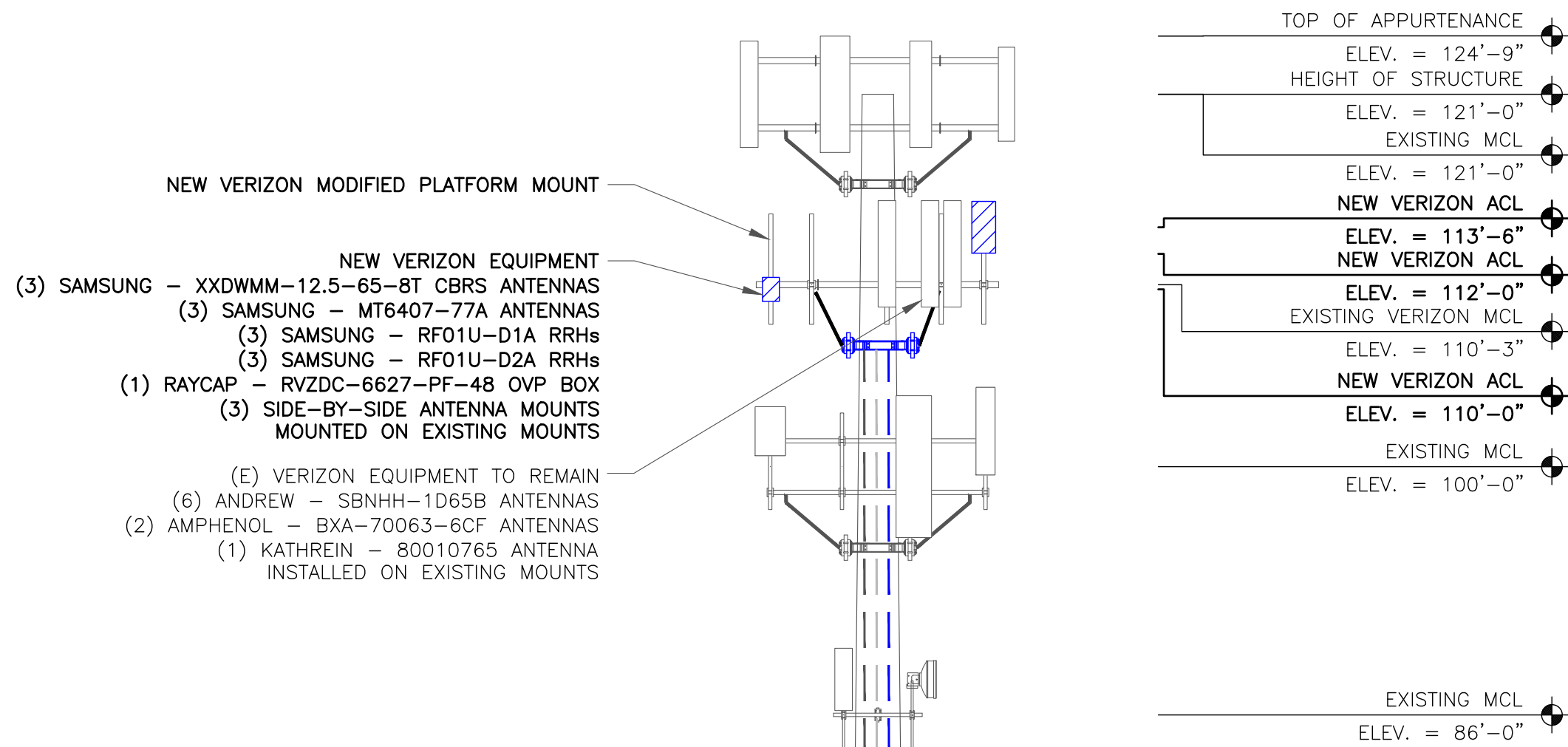


01/06/22

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:
T-2

REVISION:
0



VERIZON EQUIPMENT

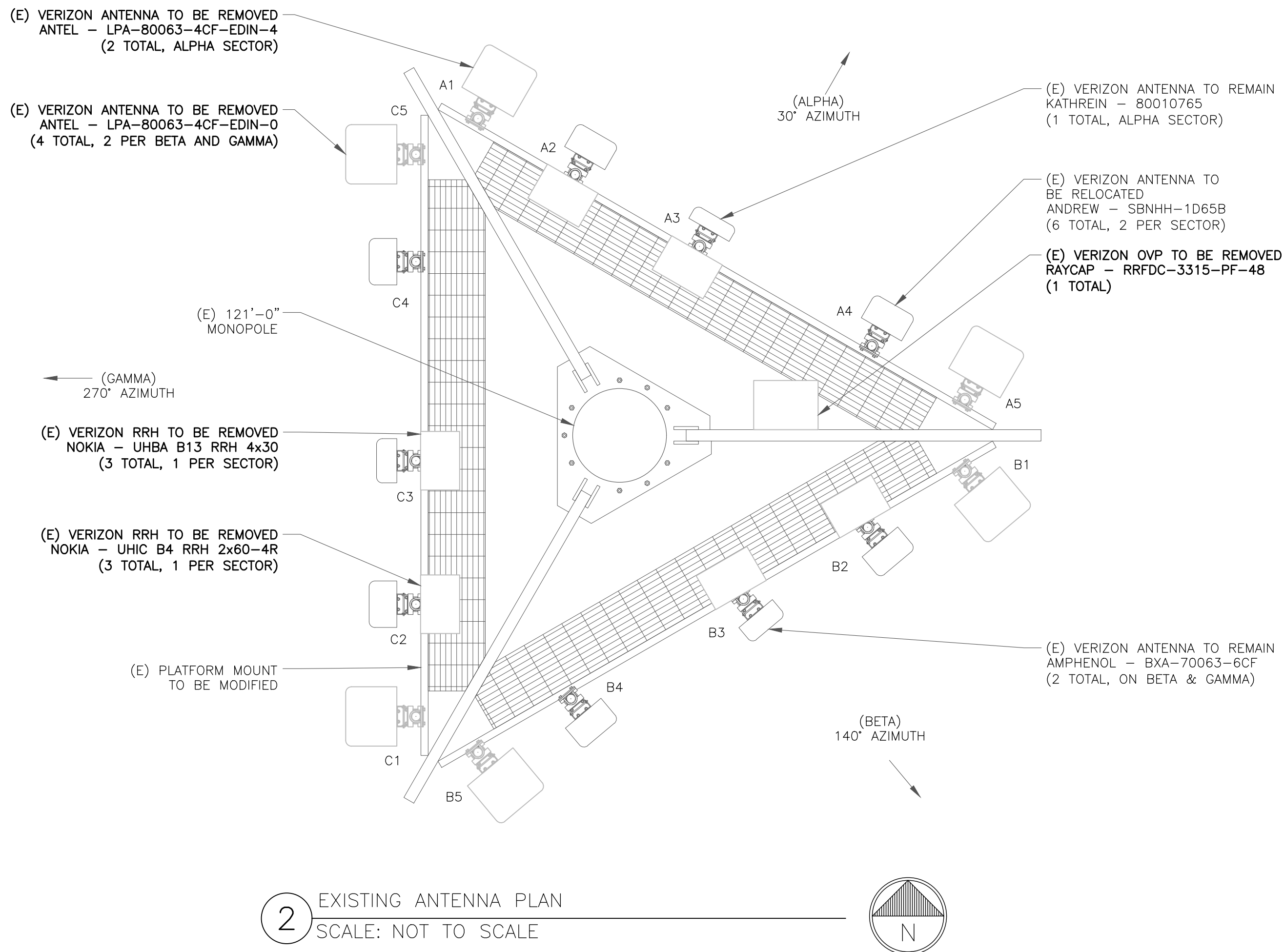
ANTENNA CL: 113'-6"

ANTENNA CL: 112'-0"

ANTENNA CL: 110'-0"

MOUNT CL: 110'-3"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



INSTALLER NOTE:

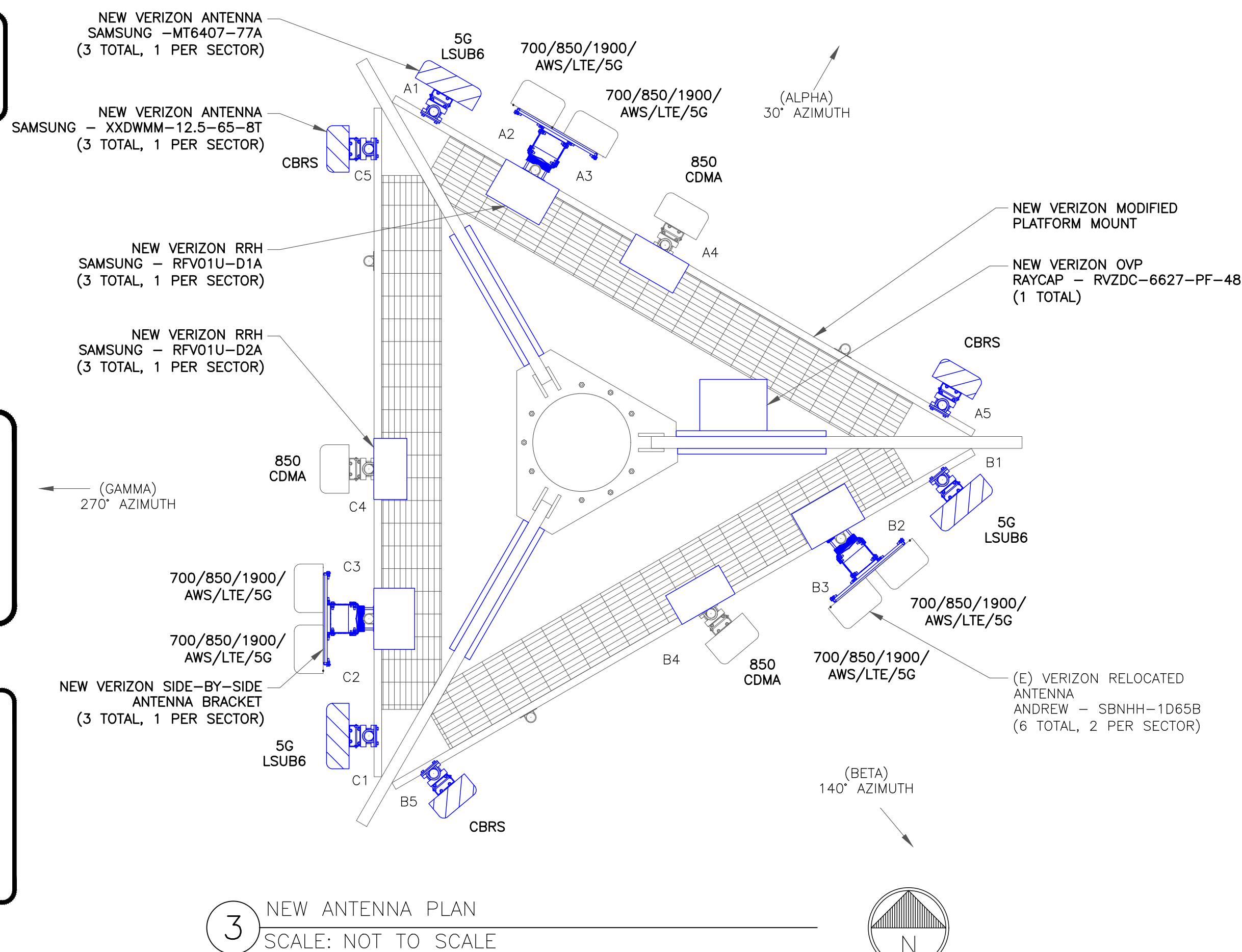
EXISTING AND PROPOSED ANTENNA/
EQUIPMENT POSITIONING SHOWN PER
RFDS. FIELD CONDITIONS MAY VARY.

TOWER ANALYSIS NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING TOWER ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE TOWER ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED TOWER MODIFICATION DESIGN OR TOWER REPLACEMENT SHALL BE APPROVED BY EOR.

MOUNT ANALYSIS NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.



verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

**CROWN
CASTLE**

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

**TOWER
ENGINEERING
PROFESSIONALS**

326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 176678.633475

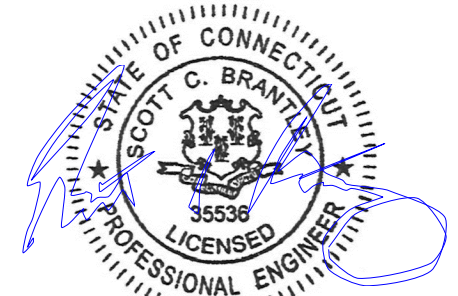
VERIZON SITE NUMBER:
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**PLAINVILLE SOUTH
WASHINGTON ST**

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

EXISTING 121'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/06/22	PSS	CONSTRUCTION	RST



01/06/22

IT IS A VIOLATION OF LAW FOR ANY PERSON,
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TO ALTER THIS DOCUMENT.

SHEET NUMBER:
C-2

REVISION:
0

ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	113'-6"	30°	*	*	-	-
A2	EXISTING	ANDREW	SBNHH-1D65B	112'-0"	30°	*	*	-	-
A3	EXISTING	ANDREW	SBNHH-1D65B	112'-0"	30°	*	*	SAMSUNG	(1) RFV01U-D1A RRH
A4	EXISTING	KATHREIN	80010765	112'-0"	30°	*	*	SAMSUNG	(1) RFV01U-D2A RRH
A5	NEW	SAMSUNG	CBRS	110'-0"	30°	*	*	RAYCAP	(1) RVZDC-6627-PF-48 OVP
B1	NEW	SAMSUNG	MT6407-77A	113'-6"	140°	*	*	-	-
B2	EXISTING	ANDREW	SBNHH-1D65B	112'-0"	140°	*	*	-	-
B3	EXISTING	ANDREW	SBNHH-1D65B	112'-0"	140°	*	*	SAMSUNG	(1) RFV01U-D1A RRH
B4	EXISTING	AMPHENOL	BXA-70063-6CF	112'-0"	140°	*	*	SAMSUNG	(1) RFV01U-D2A RRH
B5	NEW	SAMSUNG	CBRS	110'-0"	140°	*	*	-	-
C1	NEW	SAMSUNG	MT6407-77A	113'-6"	270°	*	*	-	-
C2	EXISTING	ANDREW	SBNHH-1D65B	112'-0"	270°	*	*	-	-
C3	EXISTING	ANDREW	SBNHH-1D65B	112'-0"	270°	*	*	SAMSUNG	(1) RFV01U-D1A RRH
C4	EXISTING	AMPHENOL	80010765	112'-0"	270°	*	*	SAMSUNG	(1) RFV01U-D2A RRH
C5	NEW	SAMSUNG	CBRS	110'-0"	270°	*	*	-	-

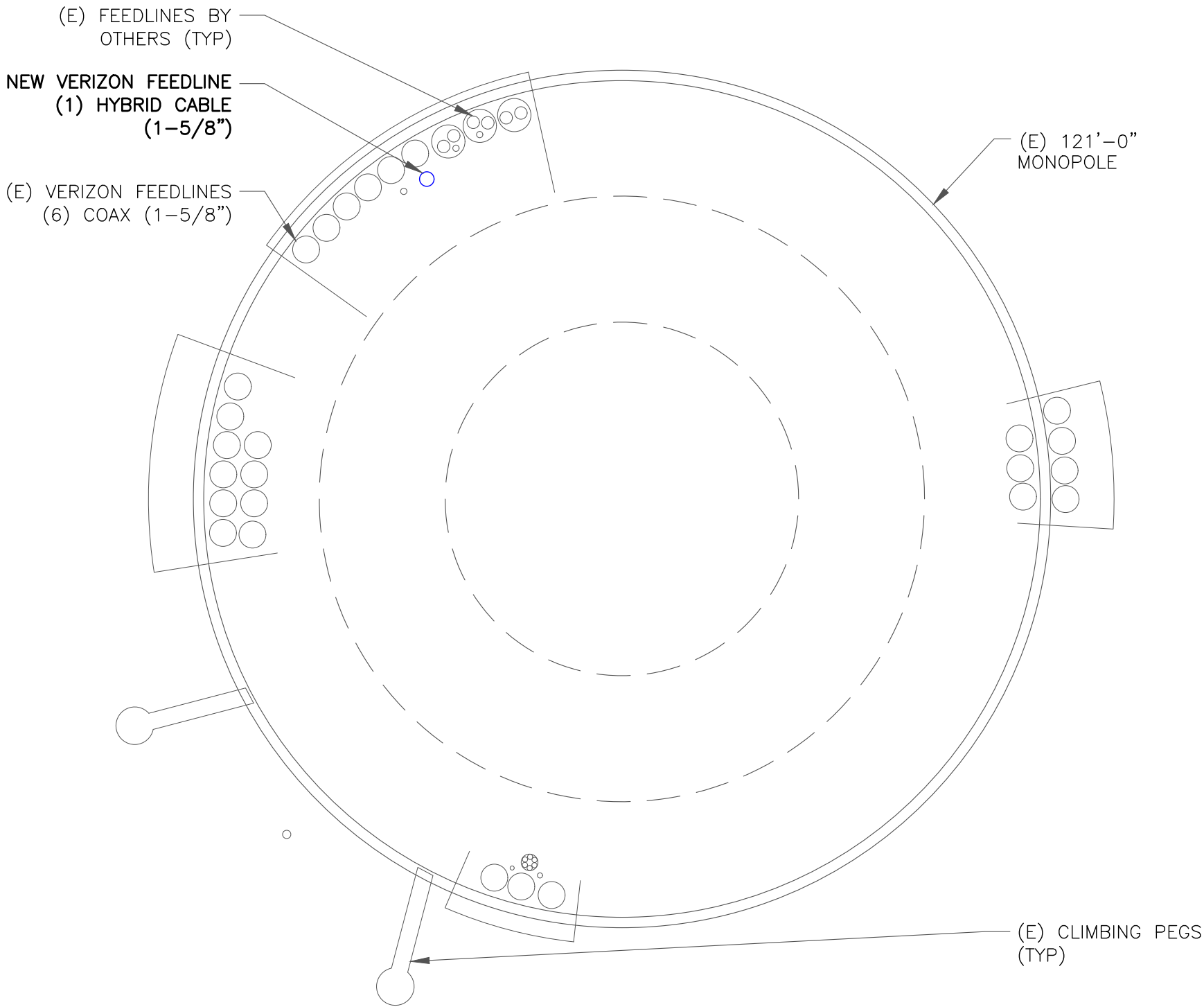
NOTE - NEW ANTENNA/EQUIPMENT SHOWN IN BOLD

* - CONTRACTOR TO REFERENCE MOST RECENT RFDS FOR MECHANICAL AND ELECTRICAL DOWNTILTS

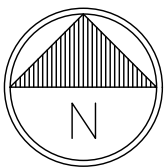
1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE					
STATUS	CABLE TYPE	MANUFACTURER (MODEL #)	SIZE	LENGTH	QTY
EXISTING	COAX	ANDREW (LDF7-50A)	1-5/8"	162'-0"±	6
EXISTING	HYBRID	HUBER AND SUHNER (MLE HYBRID 9POWER/18FIBER)	1-5/8"	162'-0"±	**1
NEW	HYBRID	RFS/CELWAVE (HB158-U12S24-XXX-LI)	1-5/8"	162'-0"±	1
TOTAL CABLE QTY:					7

** - EXISTING HYBRID CABLE TO BE REMOVED



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE





180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430



TOWER
ENGINEERING
PROFESSIONALS

326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 176678.633475

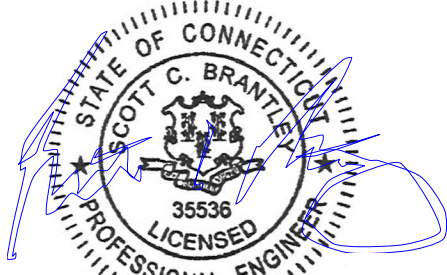
VERIZON SITE NUMBER:
467808

BU #: **857012**
PLAINVILLE SOUTH
WASHINGTON ST

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

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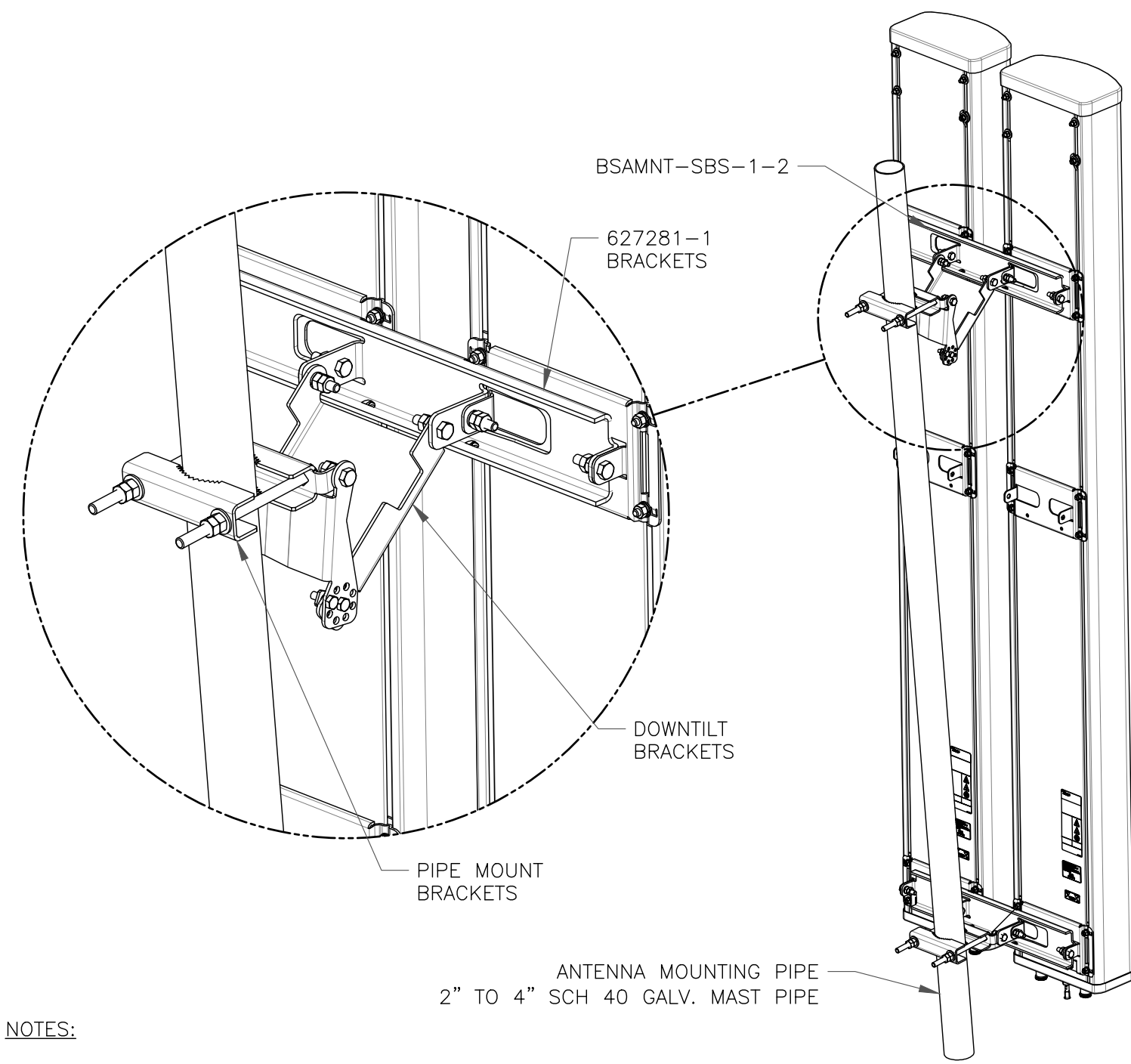
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SHEET NUMBER:

C-3

REVISION:

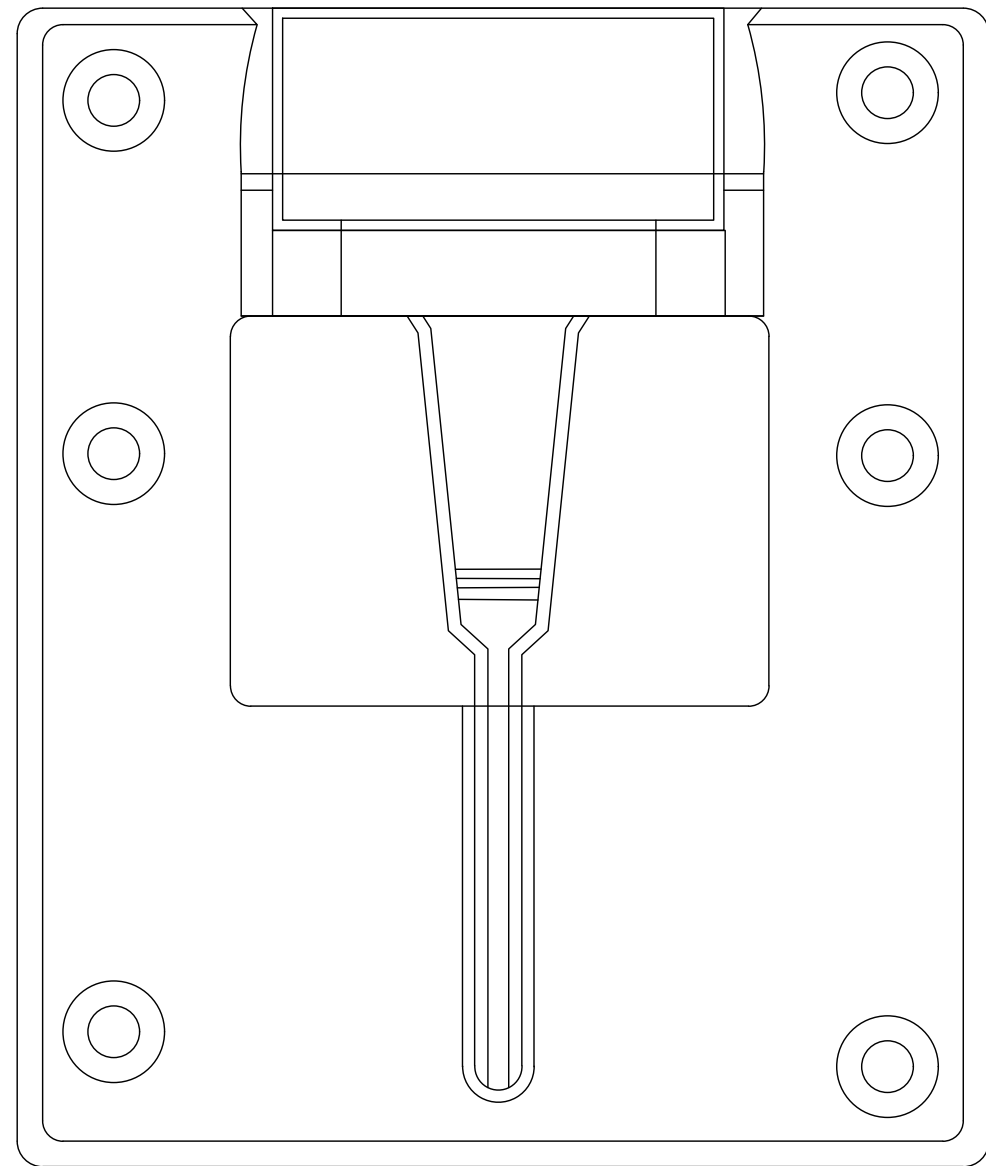
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NOTES:

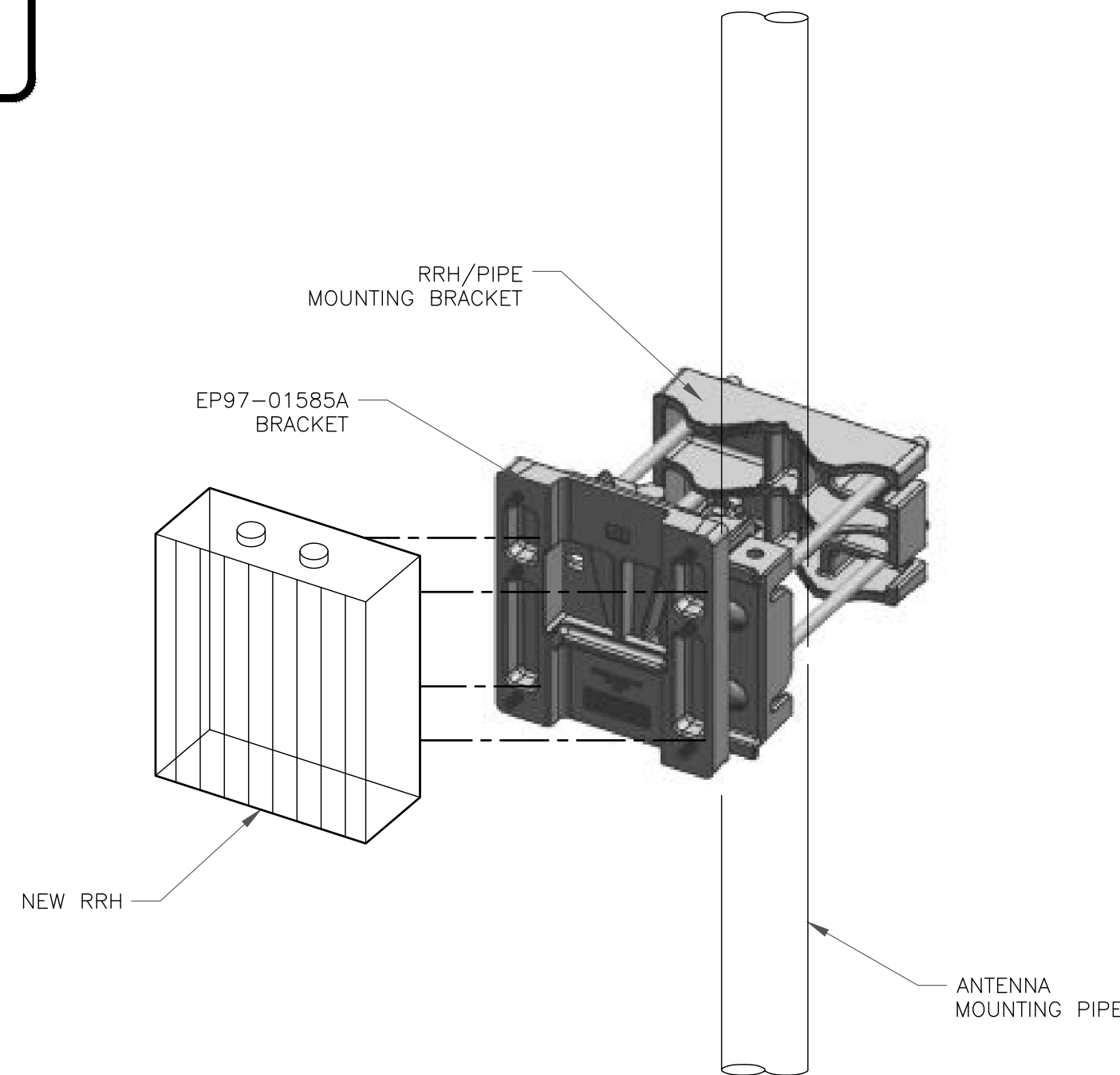
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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



3 SAMSUNG – EP97-01585A BRACKET DETAIL
SCALE: NOT TO SCALE

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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE



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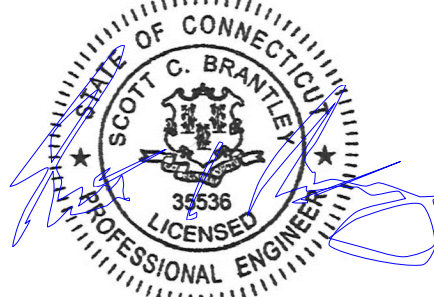
VERIZON SITE NUMBER:
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BU #: 857012
**PLAINVILLE SOUTH
WASHINGTON ST**

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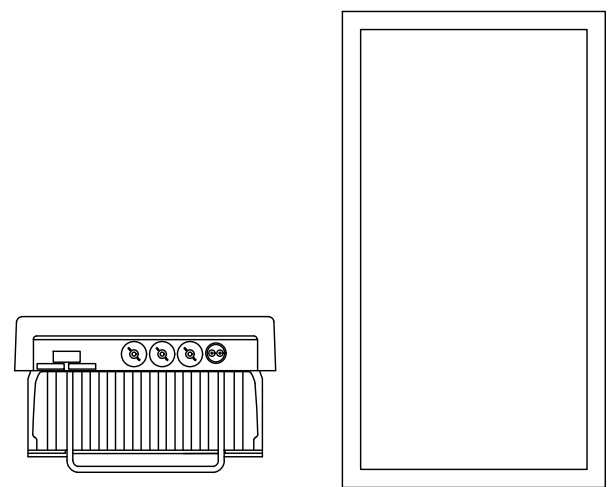


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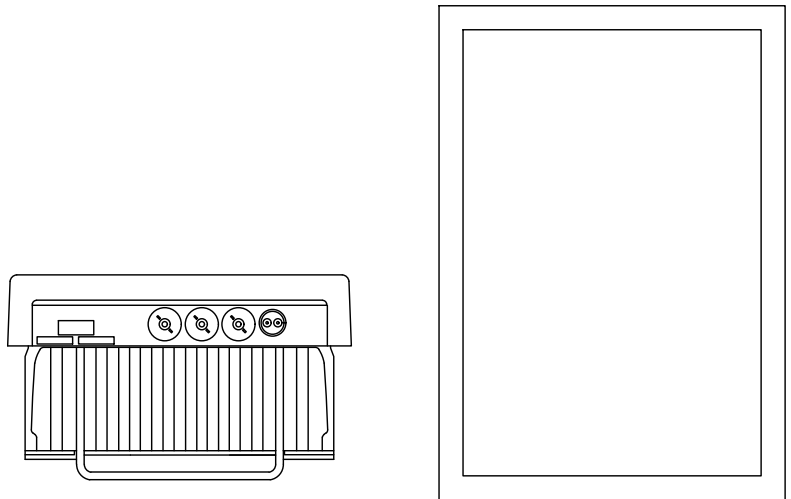
SHEET NUMBER:
C-4

REVISION:
0



SAMSUNG / CBRs ANTENNA
WEIGHT: 23.14 LBS
SIZE (HxWxD): 16.16x11.39x5.45 IN.

1 SAMSUNG CBRs ANTENNA
SCALE: NOT TO SCALE



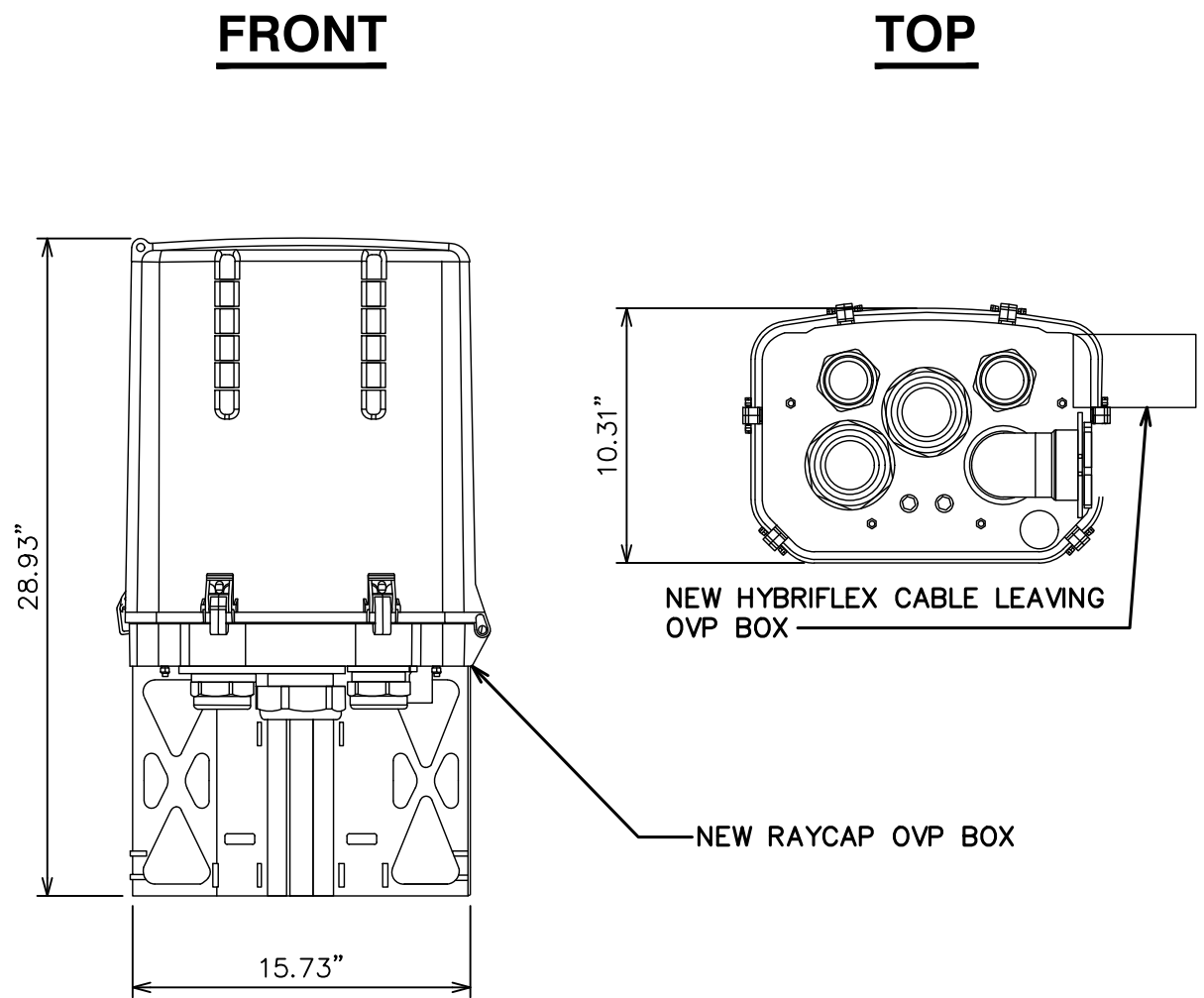
SAMSUNG TELECOMMUNICATIONS – MT6407–77A ANTENNA
WEIGHT: 81.57 LBS
SIZE (HxWxD): 35.06x16.06x5.51 IN.

2 SAMSUNG – MT6407–77A
SCALE: NOT TO SCALE

FIBER NAMING CONVENTION	
Technology	(Equipment-Sector-OPTI #)
DUPLEX FIBER RUN	
5GmmW L0	5GmmW-A-0
SIMPLEX FIBER RUN	
CBRS L0	CBRS-A-0
CBRS L1	CBRS-A-1
LAA L0	LAA-A-0
High Band Dual Band L0	HB-A-0
High Band Dual Band L1	HB-A-1
Low Band Dual Band L0	LB-A-0
FDMIMO AWS L0	FDM-AWS-A-0
FDMIMO AWS L1	FDM-AWS-A-1
FDMIMO PCS L0	FDM-PCS-A-0
FDMIMO PCS L1	FDM-PCS-A-1

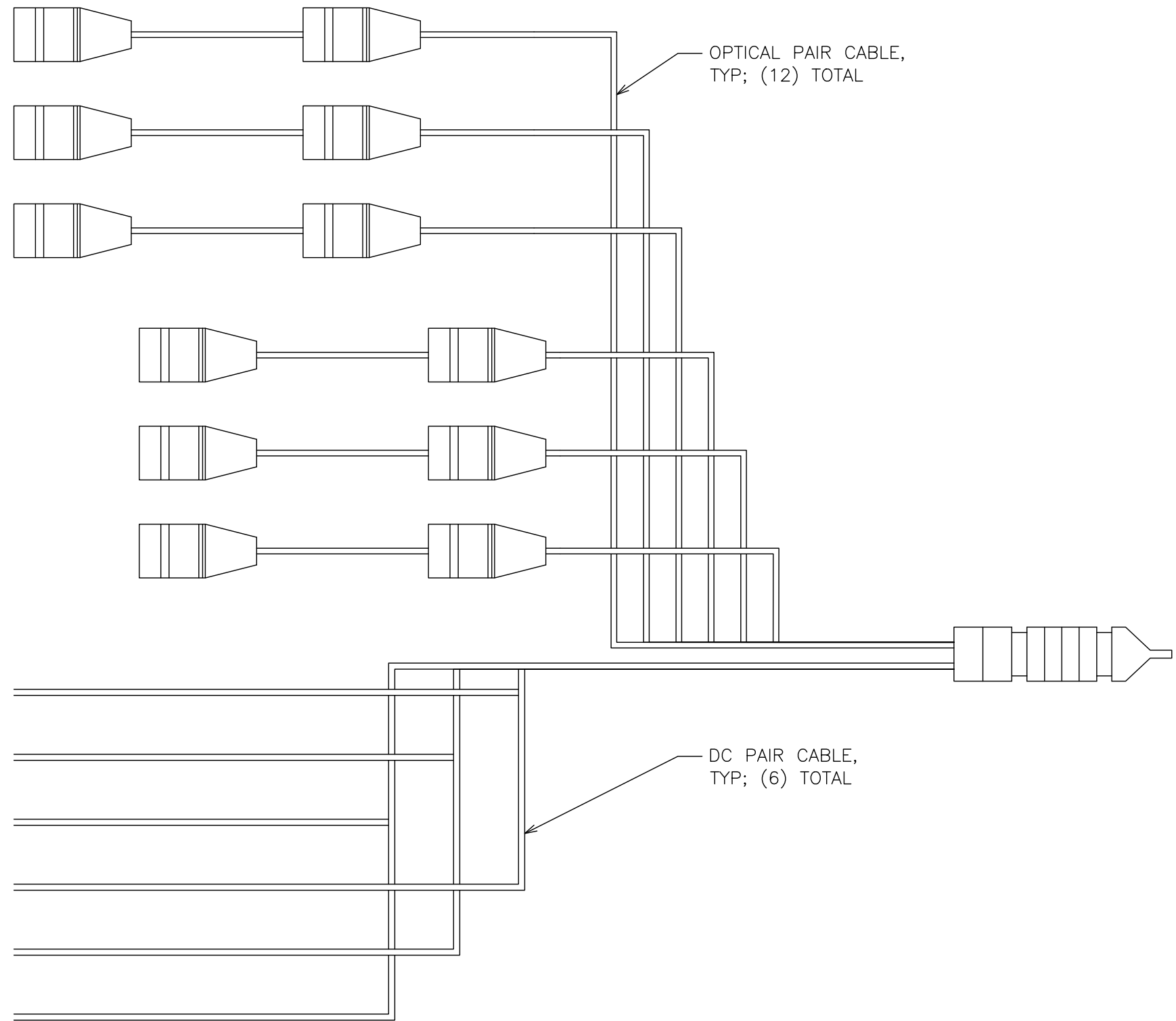
Rev. 2/23/2021

3 FIBER NAMING CONVENTION CHART
SCALE: NOT TO SCALE



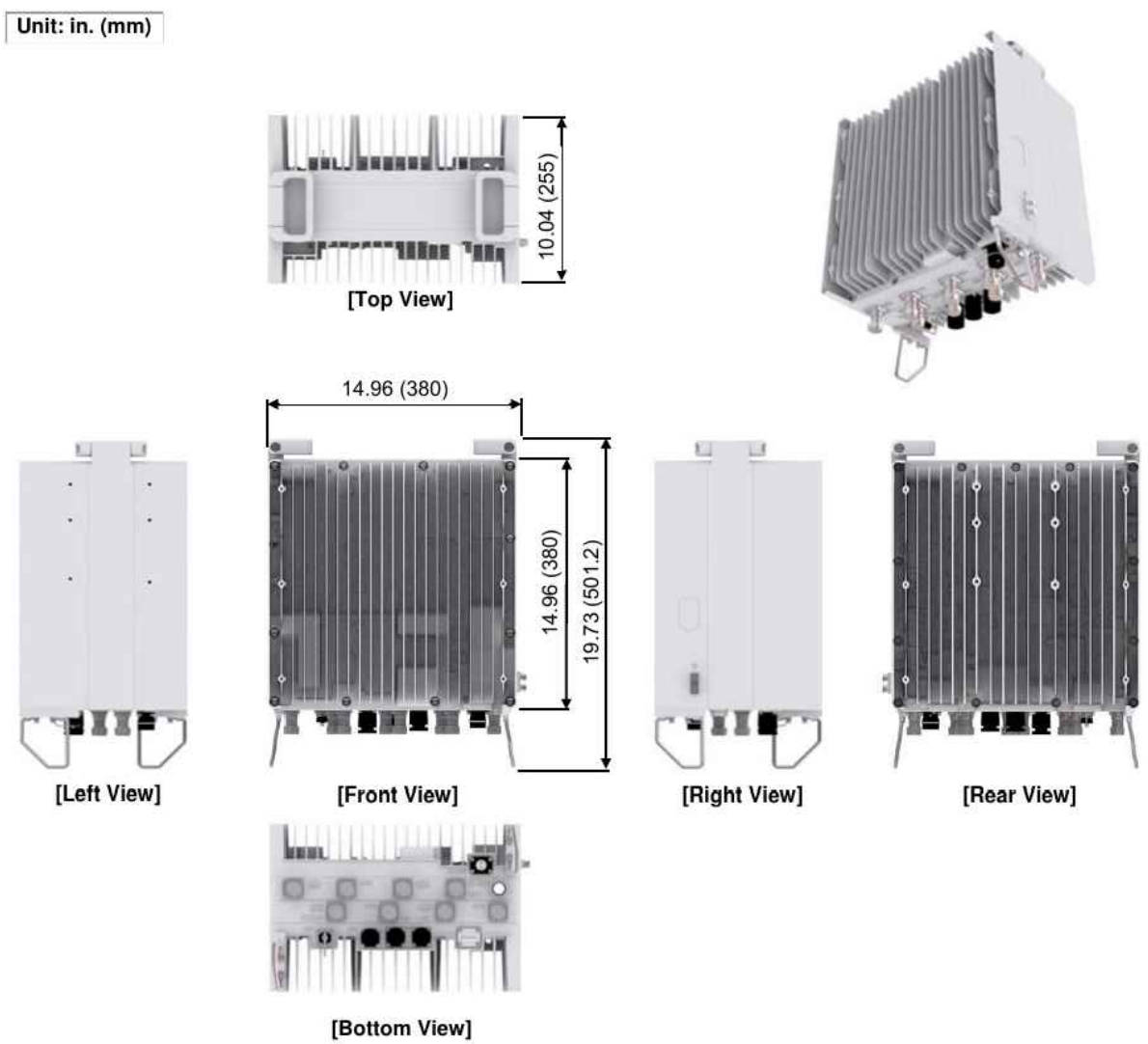
RAYCAP – RVZDC–6627–PF–48
WEIGHT: 32.00 LBS
SIZE (HxWxD): 28.93x15.73x10.31 IN.

4 RAYCAP RVZDC–6627–PF–48
SCALE: NOT TO SCALE



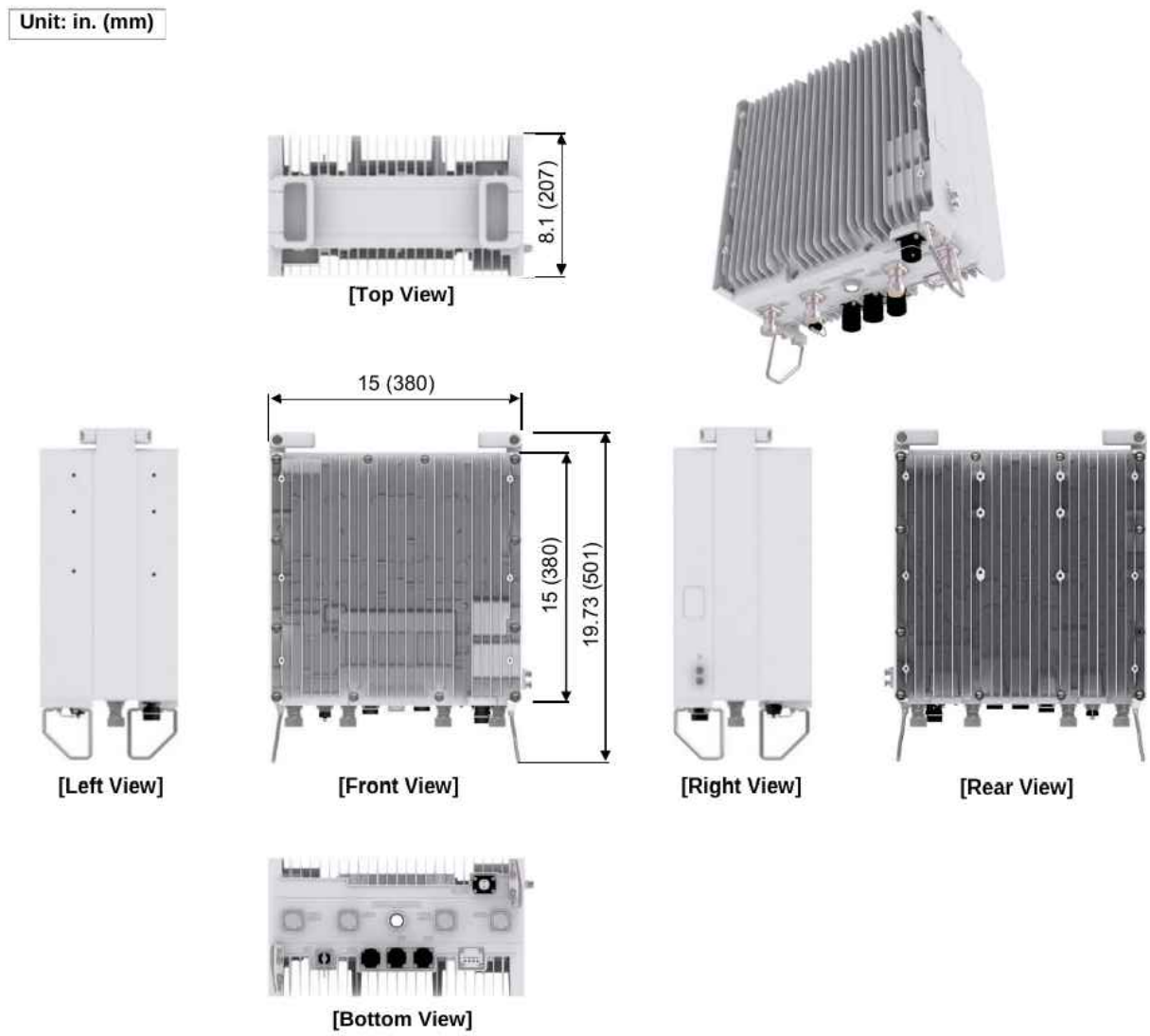
RFS/CELWAVE / HB158–U12S24–XXX–LI
WEIGHT: 1.7 LBS/FT
DIAMETER: 1.99" (±.1")
COAX EQUIVALENT: 1½"

5 HCS DETAIL
SCALE: NOT TO SCALE



SAMSUNG – RFV01U–D1A
WEIGHT: 84.40 LBS
SIZE (HxWxD): 15.00x15.00x10.00 IN.

6 SAMSUNG – RFV01U–D1A
SCALE: NOT TO SCALE



SAMSUNG – RFV01U–D2A
WEIGHT: 70.30 LBS
SIZE (HxWxD): 15.00x15.00x8.10 IN.

7 SAMSUNG – RFV01U–D2A
SCALE: NOT TO SCALE

verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN
CASTLE

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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TEP JOB #: 176678.633475

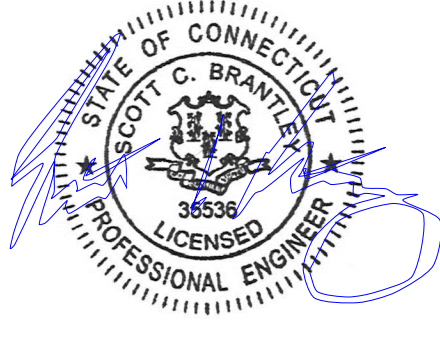
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C-5

REVISION:

0

Sector - Line #	Sector		700 LTE				850 LTE				AWS				PCS				CBRS				850 CDMA	
Alpha -Line1		White	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Alpha -Line2		White	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Alpha -Line3		White	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Alpha -Line4		White	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Beta -Line1		Blue	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Beta -Line2		Blue	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Beta -Line3		Blue	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Beta -Line4		Blue	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Gamma-Line1		Green	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Gamma-Line2		Green	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Gamma-Line3		Green	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Gamma-Line4		Green	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Delta-Line1	White	White	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Delta-Line2	White	White	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Delta-Line3	White	White	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Delta-Line4	White	White	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Epsilon-Line1	Blue	Blue	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Epsilon-Line2	Blue	Blue	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Epsilon-Line3	Blue	Blue	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Epsilon-Line4	Blue	Blue	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Zeta-Line1	Green	Green	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Zeta-Line2	Green	Green	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Zeta-Line3	Green	Green	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Zeta-Line4	Green	Green	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
GPS-Line1	Brown																							
GPS-Line2	Brown	Brown																						
GPS-Line3	Brown	Brown	Brown																					
GPS-Line4	Brown	Brown	Brown	Brown																				



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



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(919) 661-6351

TEP JOB #: 176678.633475

VERIZON SITE NUMBER:
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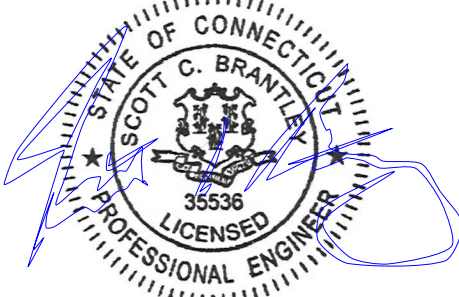
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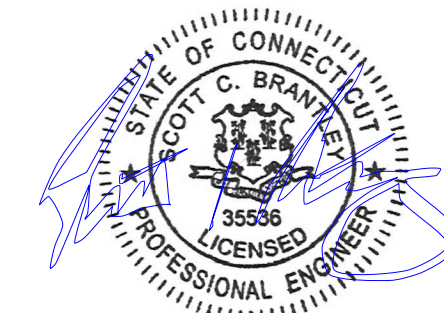
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C-6

REVISION:
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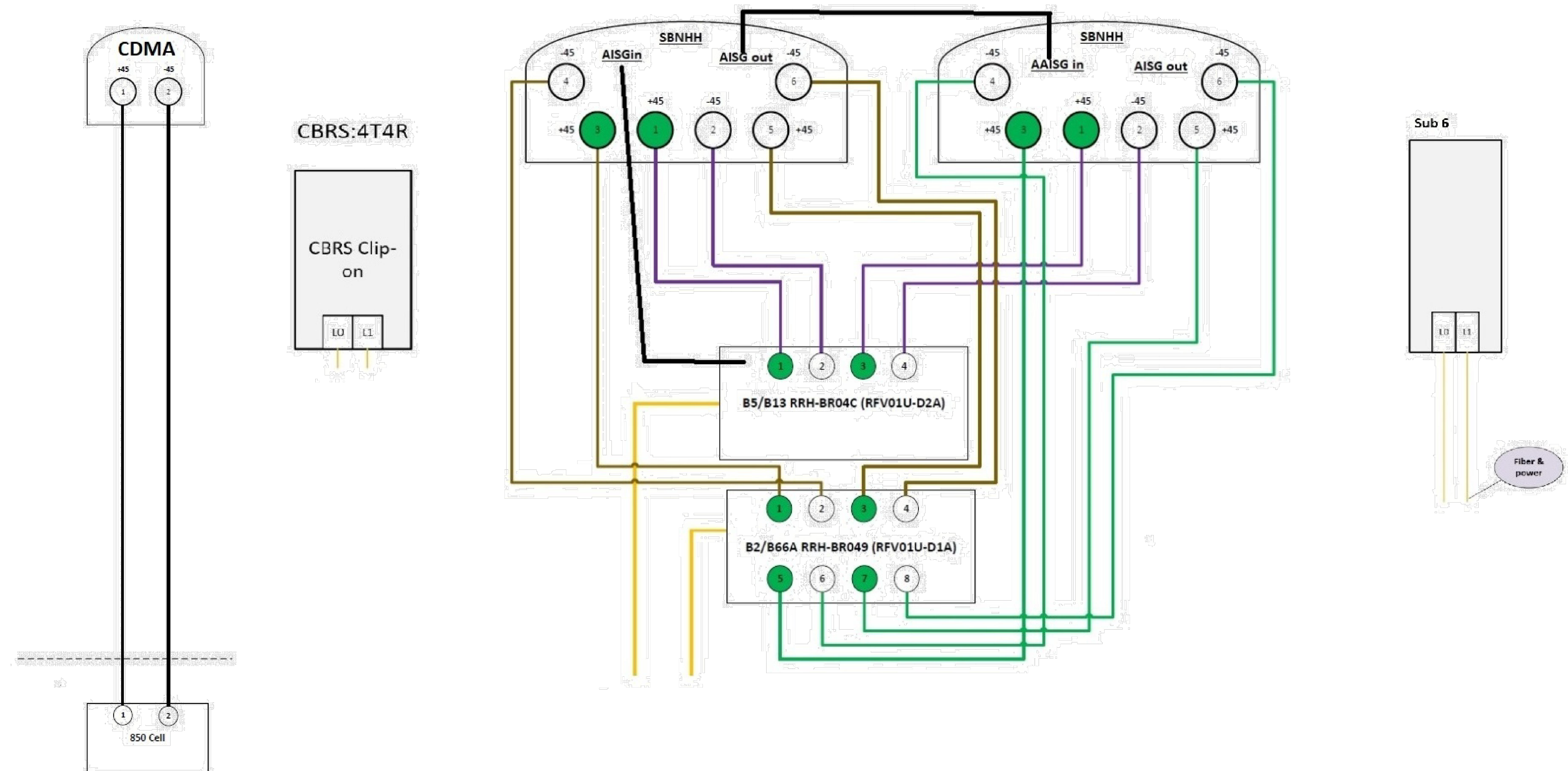
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467808
BU #: 857012
**PLAINVILLE SOUTH
WASHINGTON ST**
335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062
EXISTING 121'-0" MONOPOLE

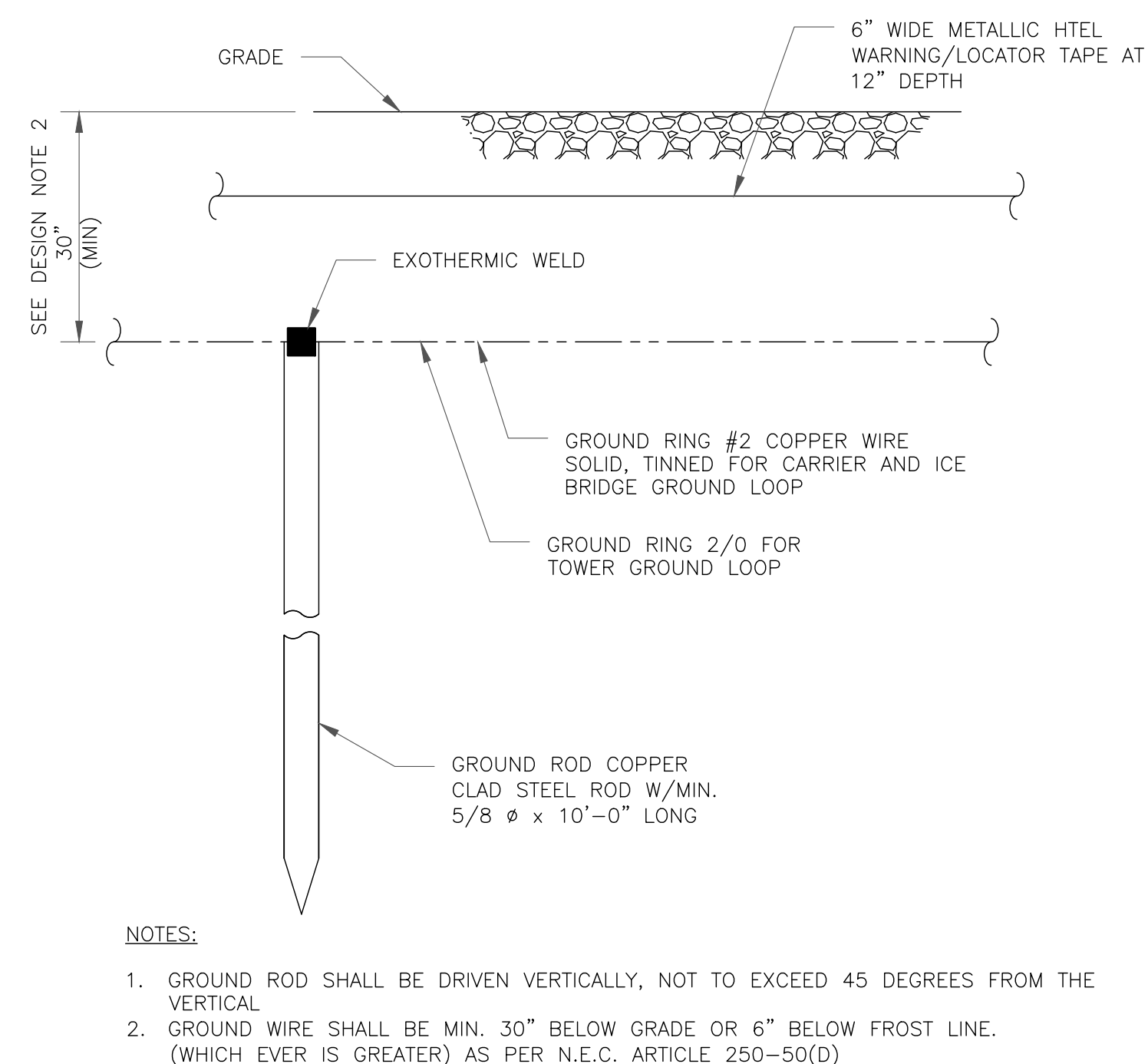
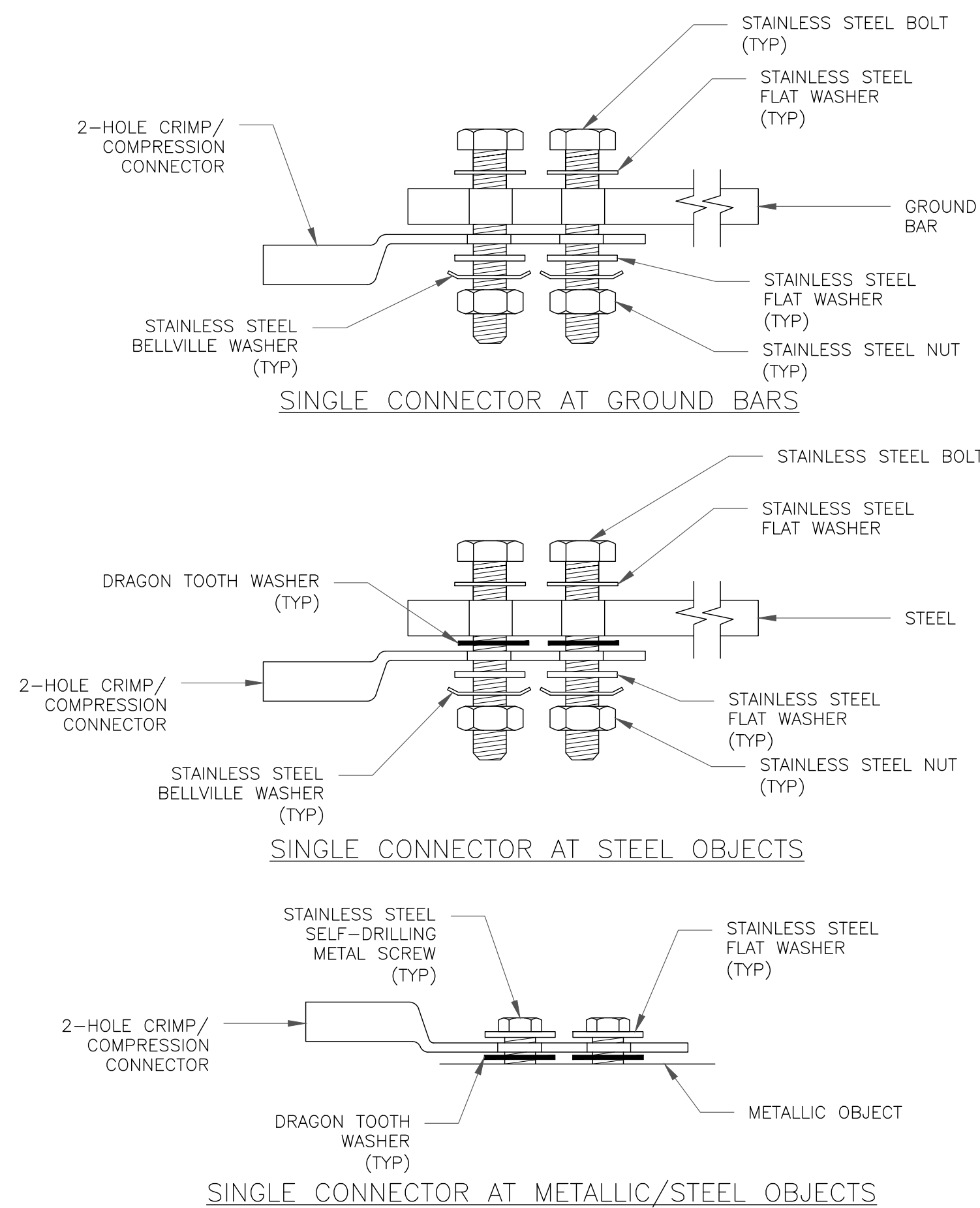
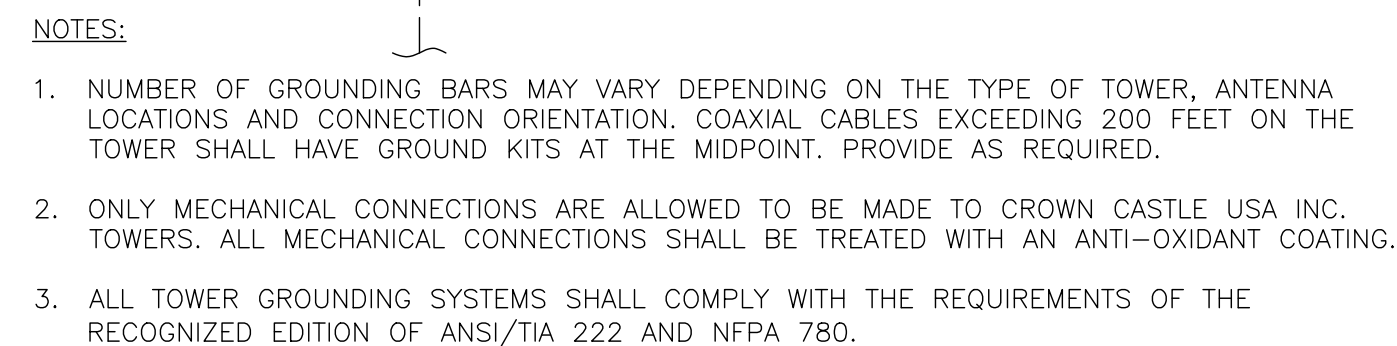
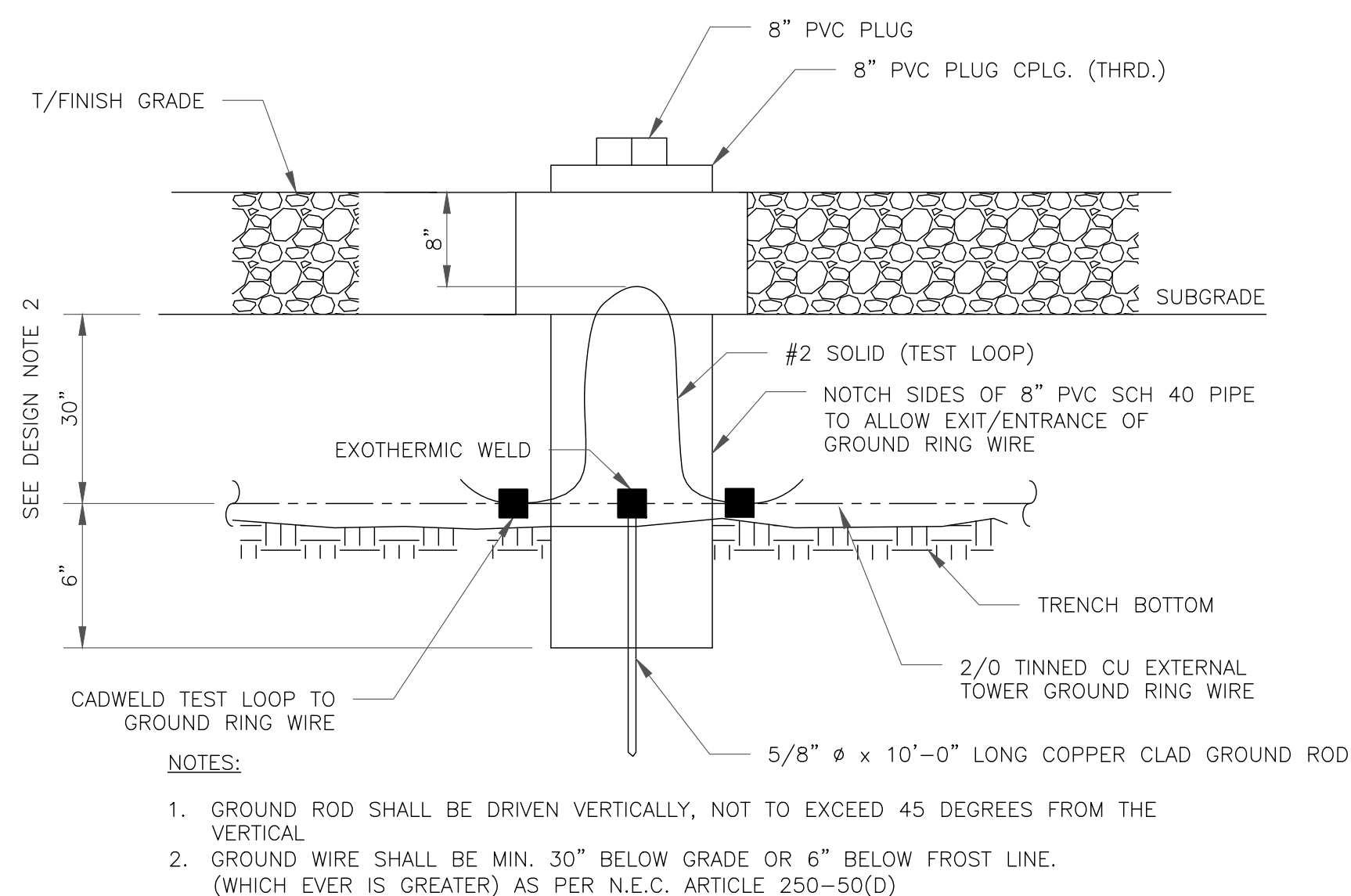
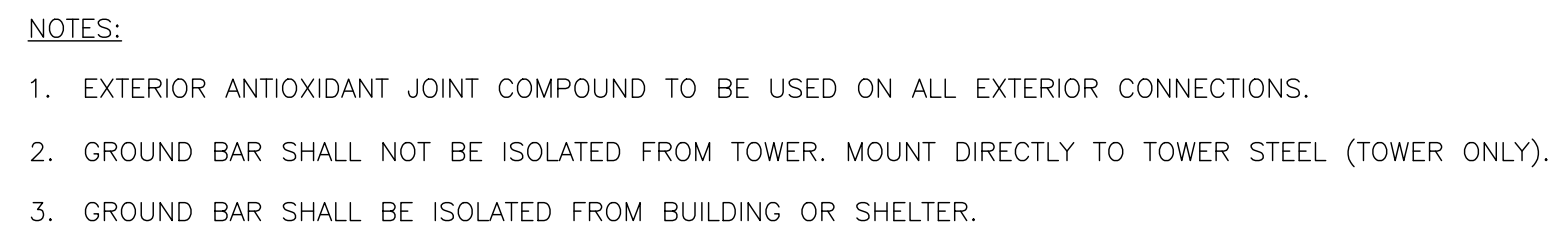
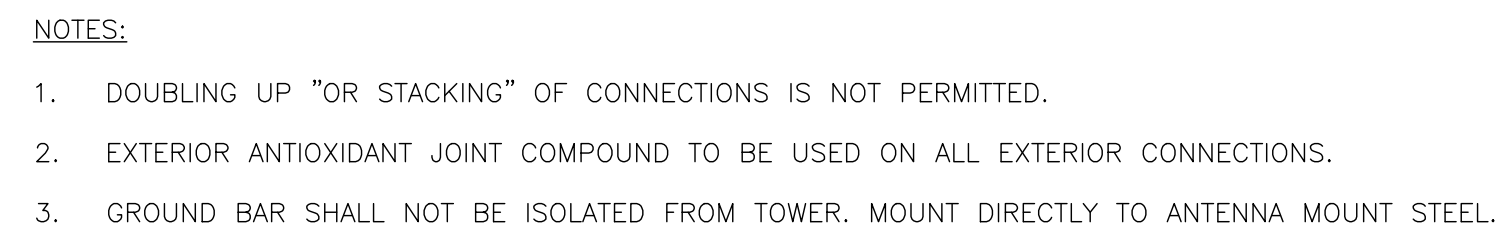
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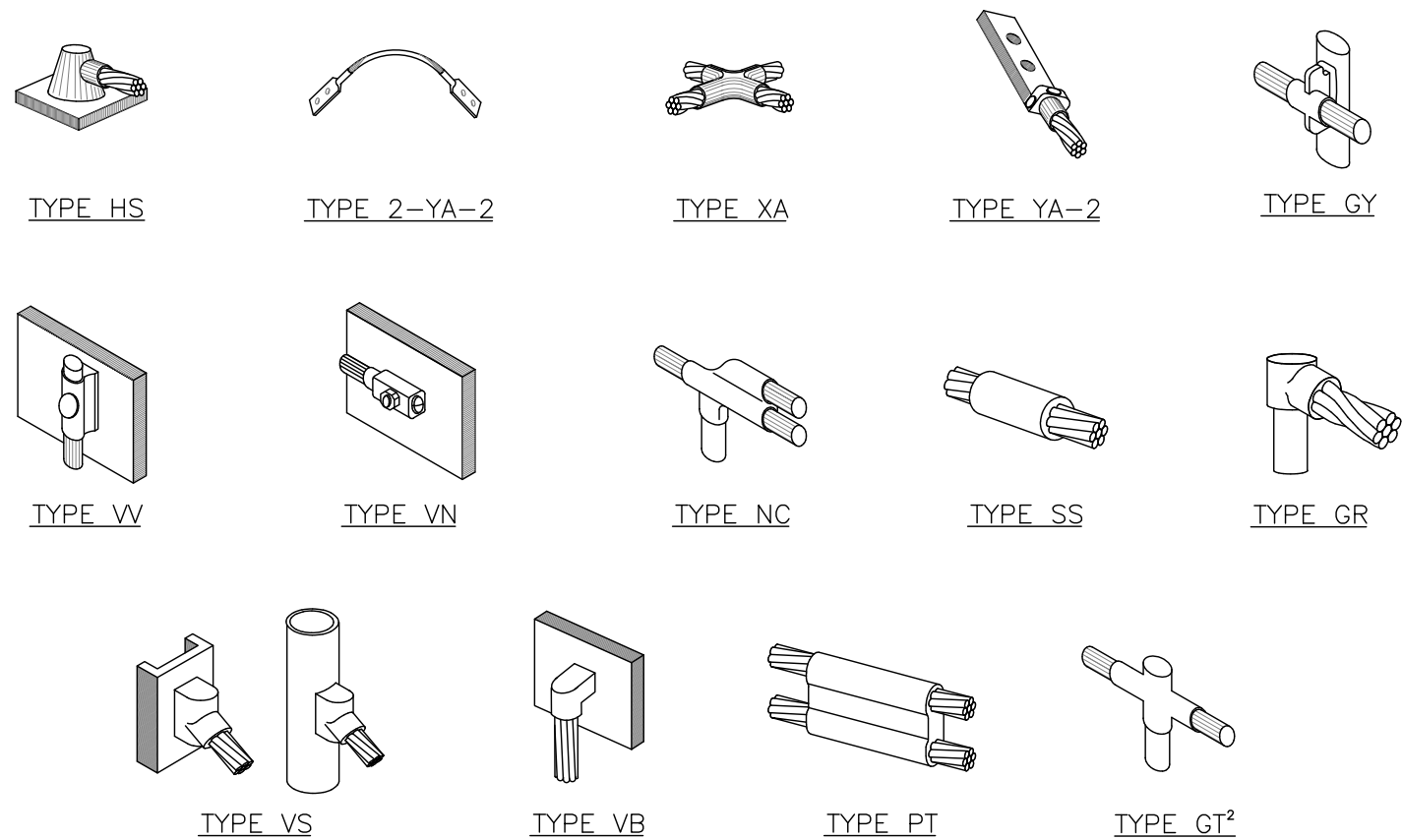
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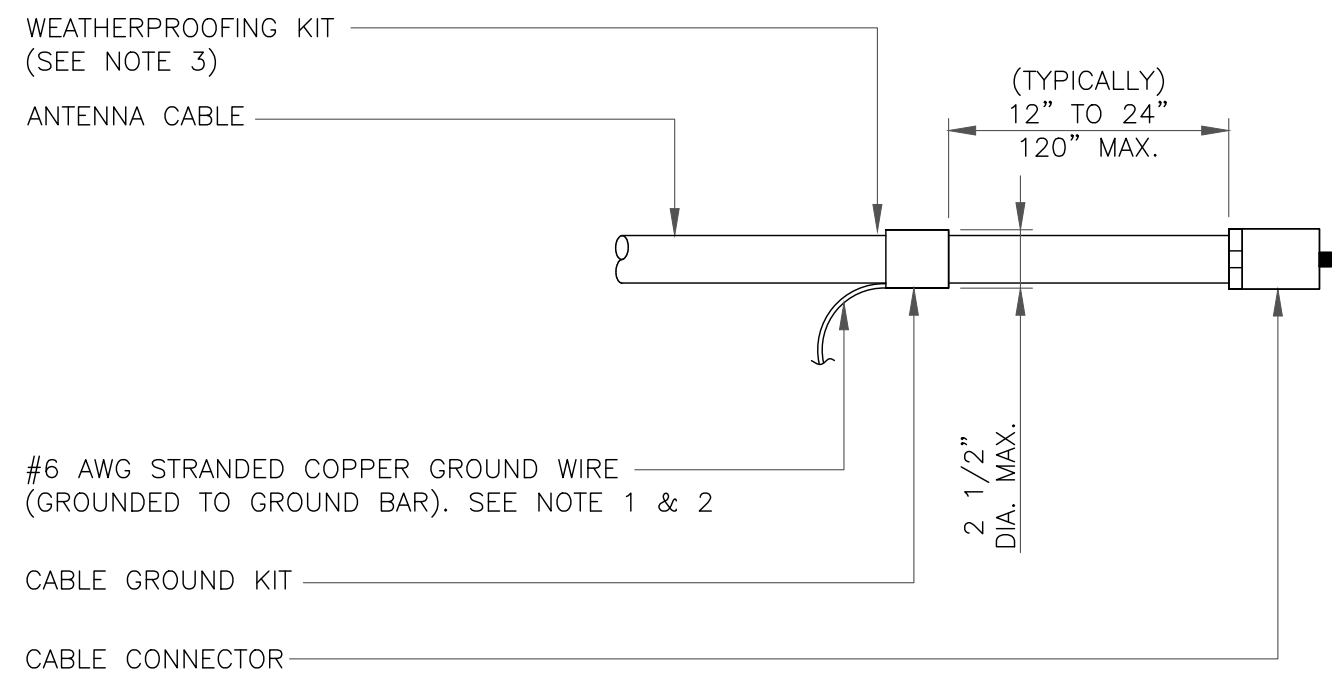
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NOTE:

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

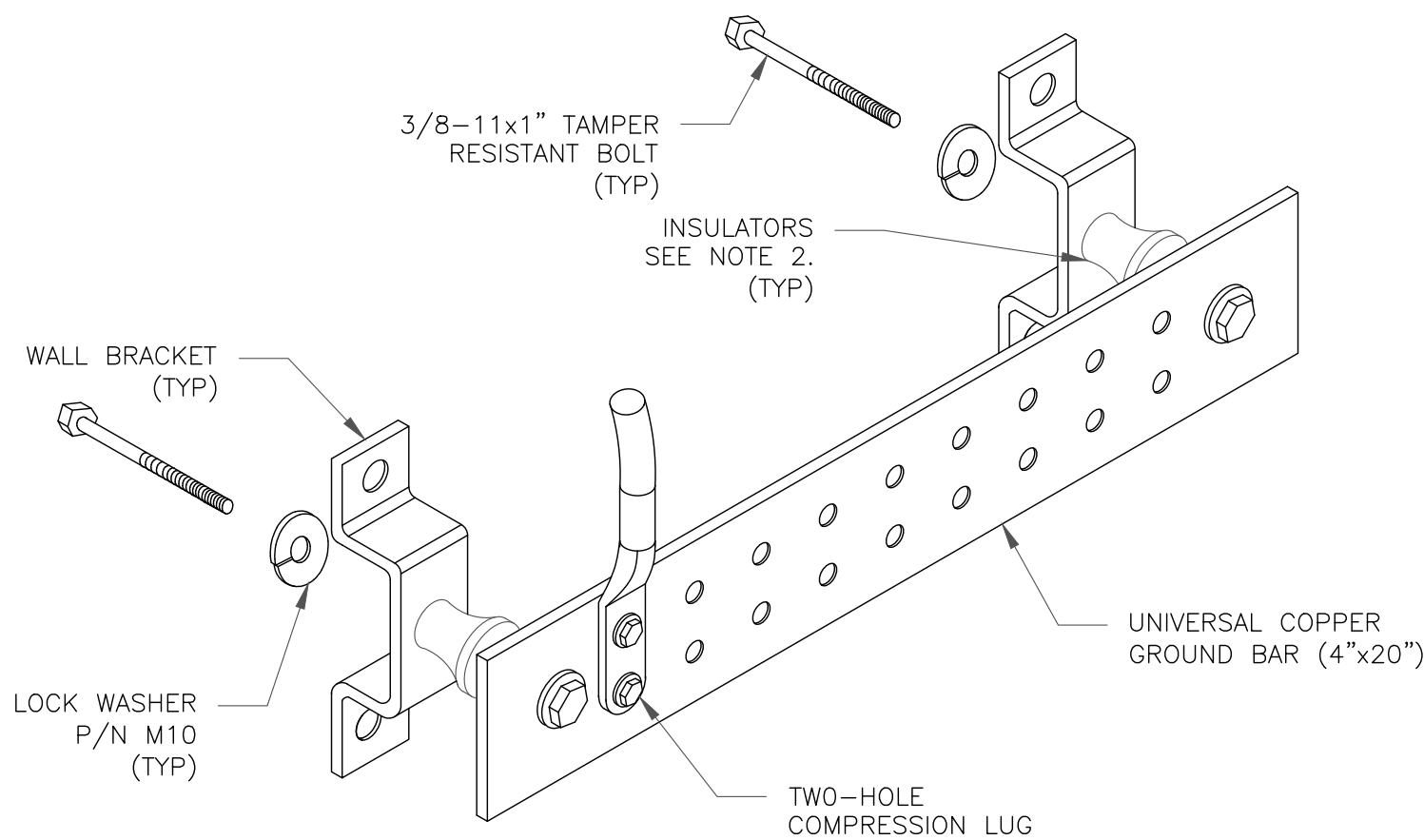
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

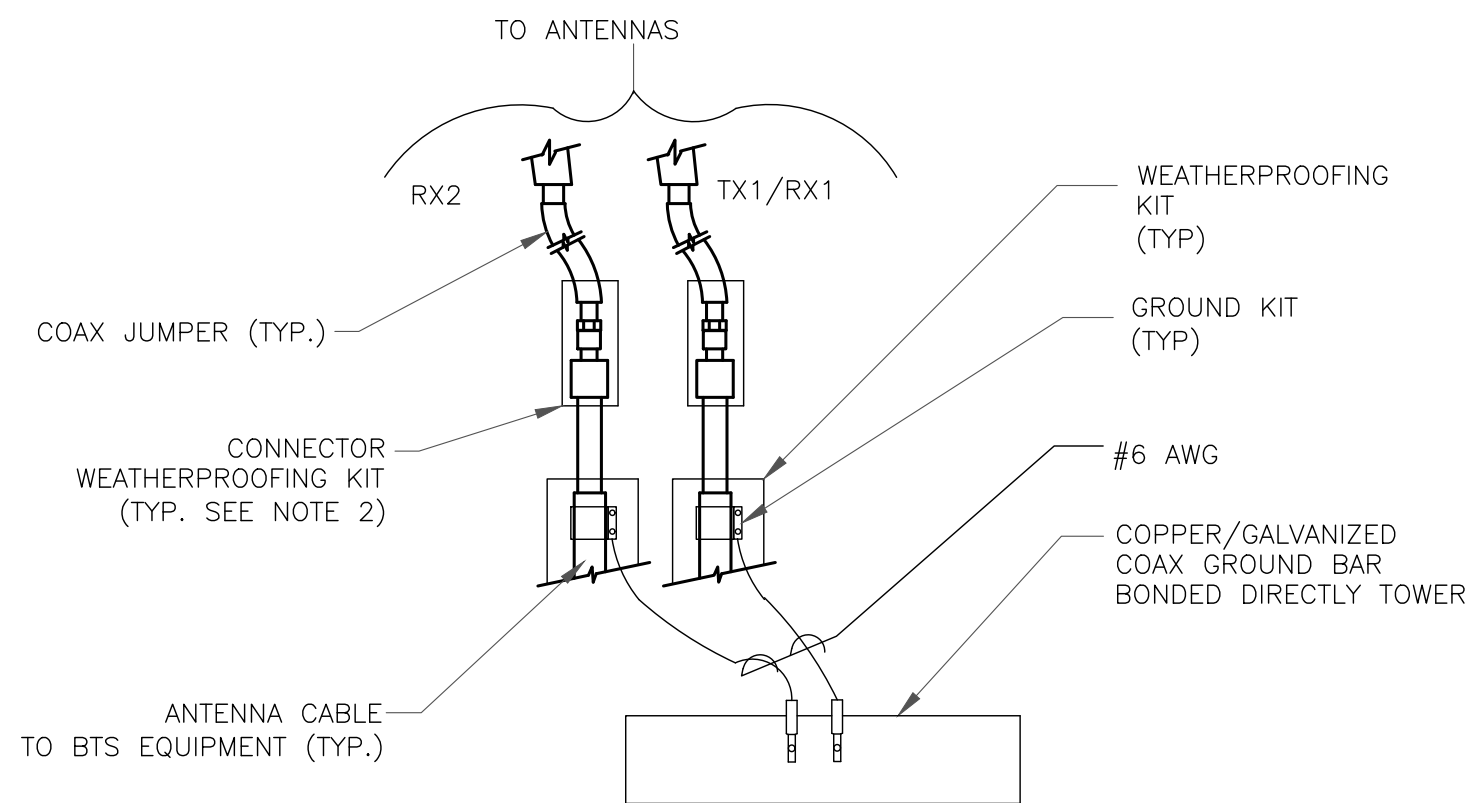
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

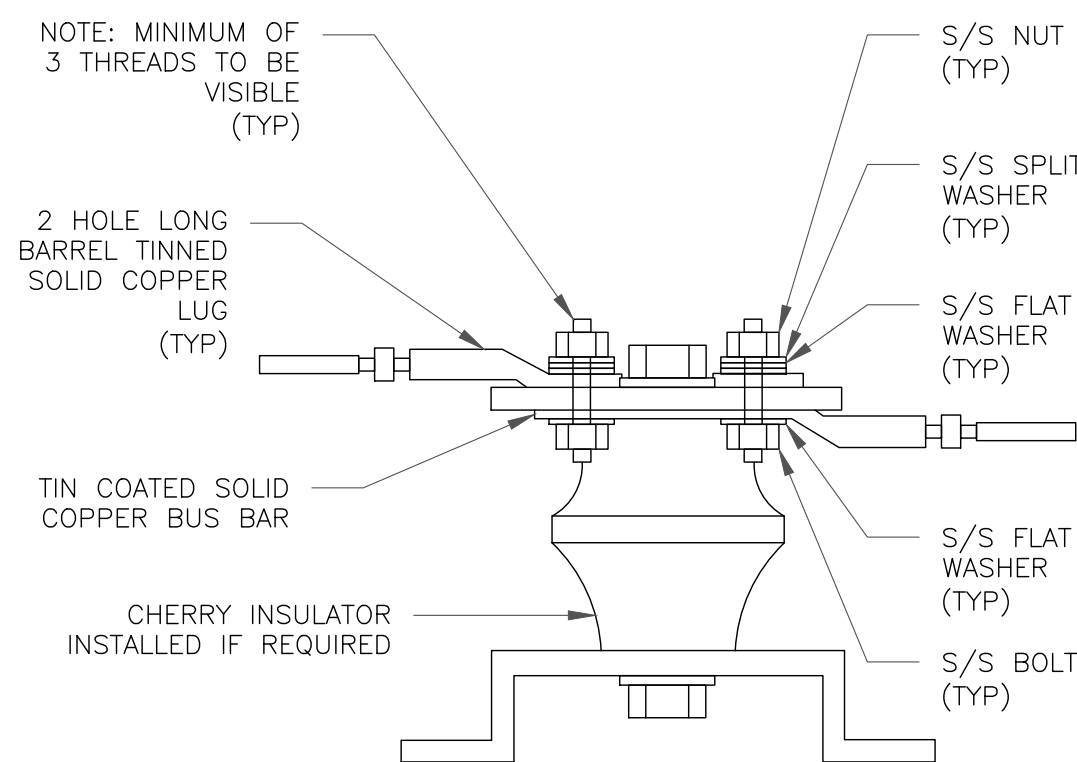
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

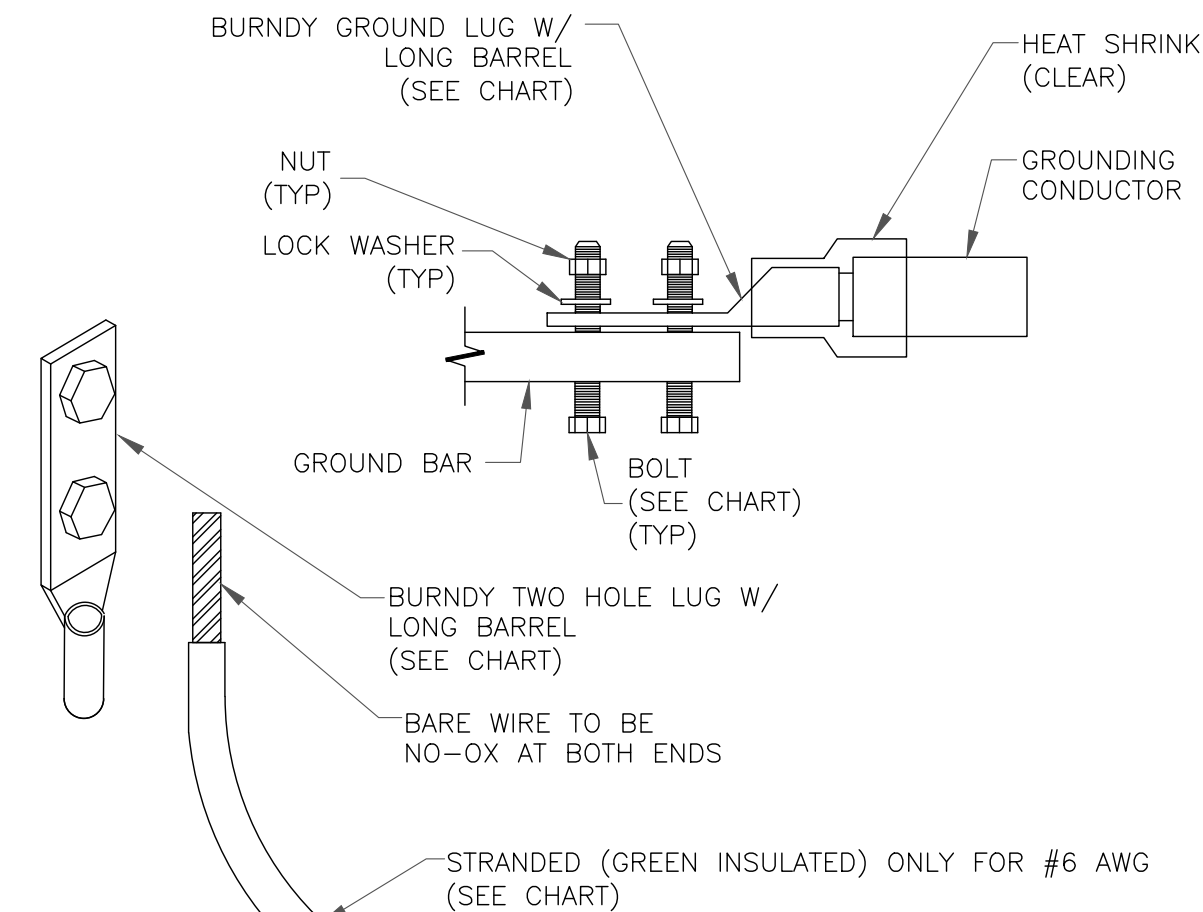
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

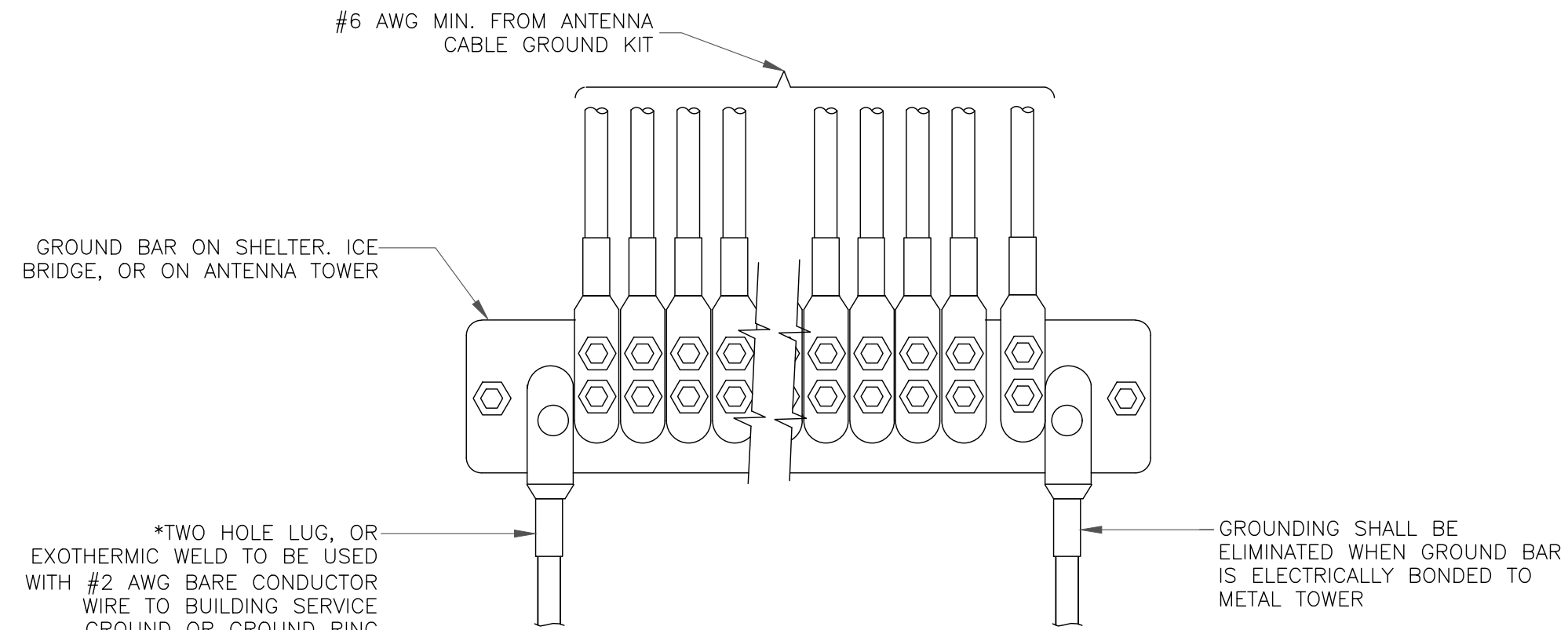
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



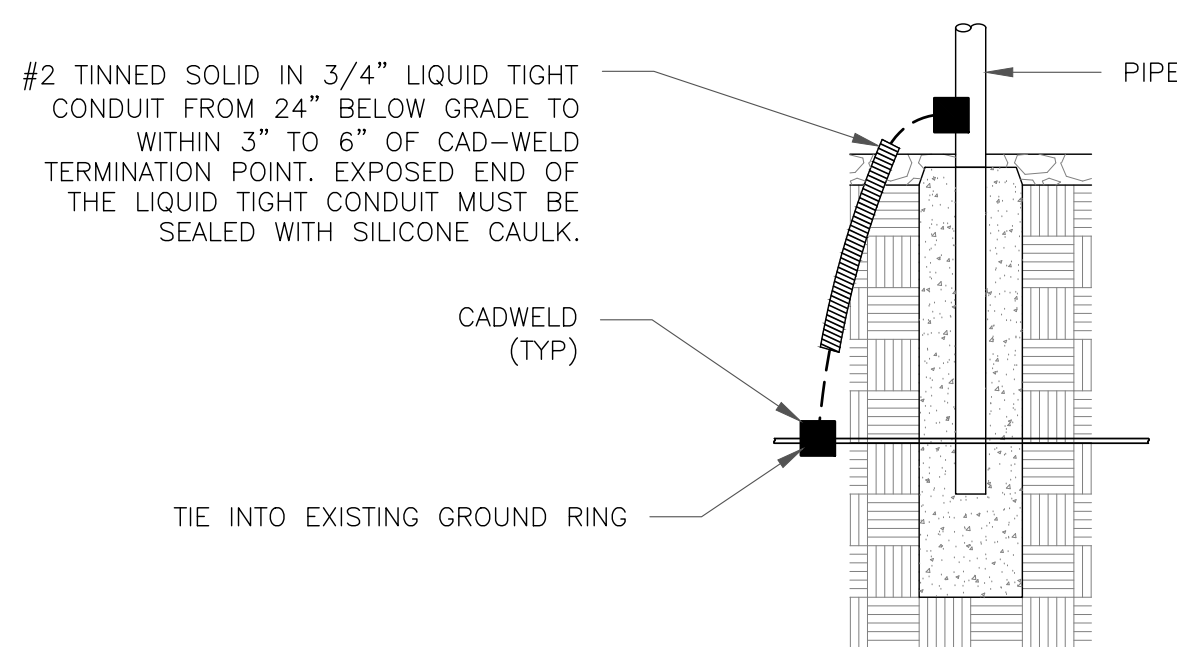
NOTES:

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

2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 176678.633475

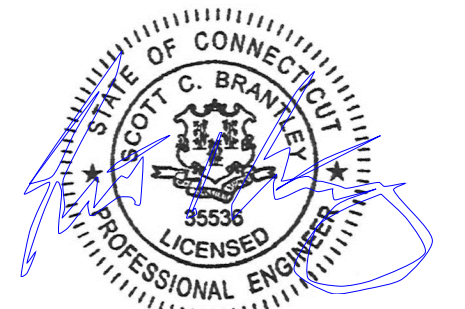
VERIZON SITE NUMBER:
467808

BU #: 857012
PLAINVILLE SOUTH WASHINGTON ST

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

EXISTING 121'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/06/22	PSS	CONSTRUCTION	RST



01/06/22

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:

0

Exhibit D

Structural Analysis Report

Date: **June 9th, 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: 467808
Site Name: Southington North CT

Crown Castle Designation: **BU Number:** 857012
Site Name: Plainville South Washington ST
JDE Job Number: 673169
Work Order Number: 1982614
Order Number: 574559 Rev. 1

Engineering Firm Designation: **B+T Group Project Number:** 93884.011.01

Site Data: **335 South Washington Street, Plainville, Hartford County, CT**
Latitude 41° 39' 11.03", Longitude -72° 52' 36.9"
121 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:

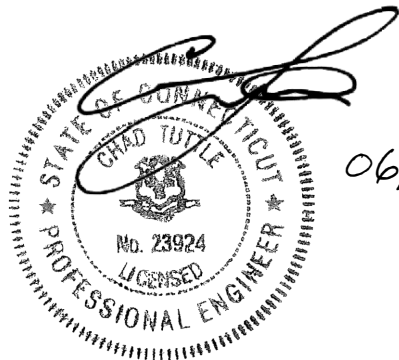
LC7: Proposed Equipment Configuration

Sufficient Capacity - 91.5%

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

Structural analysis prepared by: Tharun Cheriyan, E.I.T.,

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



06/09/2021

Chad E. Tuttle, P.E.

tnxTower Report - version 8.0.9.0

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1) INTRODUCTION

This tower is a 121 ft. Monopole tower mapped by B+T Group.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft.)	Center Line Elevation (ft.)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
110.0	114.0	3	Commscope	LNK-6514DS-A1M	7	1-5/8
		3	Samsung Telecomm.	MT6407-77A		
		3	Samsung Telecomm.	RFV01U-D1A		
		3	Samsung Telecomm.	RFV01U-D2A		
	112.0	6	Andrew	SBNHH-1D65B		
		1	Raycap	RVZDC-6627-PF-48_CCIV2		
	110.0	3	Samsung Telecomm.	CBRS		
		3	Commscope	BASMNT-SBS-1-2		
		1	--	Platform Mount [LP 1201-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft.)	Center Line Elevation (ft.)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
121.0	122.0	1	Raycap	DC6-48-60-18-8F	12 6 2	1-5/8 3/4 3/8
	121.0	3	CCI Antennas	HPA-65R-BUU-H6		
		3	Ericsson	RRUS 11 B12		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B30		
		3	Ericsson	RRUS 4426 B66		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 4478 B5		
		3	Kaelus	DBC0061F1V51-2		
		6	Kaelus	DBCT108F1V92-1		
		3	Kathrein	80010965		
		6	Powerwave Tech.	7020.00		
		6	Powerwave Tech.	LGP21401		
		3	Powerwave Tech.	RA21.7770.00		
		3	Quintel Tech.	QS66512-2		

Mounting Level (ft.)	Center Line Elevation (ft.)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		2	Raycap	DC6-48-60-18-8C		
		1	--	Platform Mount [LP 1201-1_KCKR-HR-1]		
100.0	102.0	3	Ericsson	AIR 32 B2A B66AA_T-MOBILE	10	1-5/8
		3	Ericsson	AIR6449 B41_T-MOBILE		
	100.0	3	Andrew	ONEBASE TWIN DUAL DUPLEX TMA		
		3	Commscope	SDX1926Q-43		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RRUS 4415 B25		
		3	RFS Celwave	APXVAALL24_43-U-NA20		
		1	--	Platform Mount [LP 602-1_KCKR]		
86.0	88.0	3	Alcatel Lucent	PCS 1900MHZ 4X45W-65MHZ	3 6 1	1-5/8 5/16 1/4
		1	Andrew	VHLP2.5-18		
		3	Argus Tech.	LLPX310R-V4		
		3	Commscope	NNVV-65B-R4		
		1	Dragonwave	HORIZON DUO		
		3	Nokia	AHCC		
		3	Samsung Telecomm.	URAS-FLEXIBLE		
	86.0	1	Site Pro 1	HRK12 Support Rail Kit		
		1	Site Pro 1	PRK-1245 Platform Reinforcement Kit		
		1	Site Pro 1	RMQP-396 Platform Mount		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Mapping	5121623	CCI Sites
Foundation Mapping	4566996	CCI Sites
Geotech Report	4566990	CCI Sites
Crown CAD Package	Dated: 05/28/2021	CCI Sites

3.1) Analysis Method

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

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.
- 3) The following material grades were assumed:
 - a) Pole Shaft: A572-GR 65
 - b) Base Plate: 60 ksi
 - c) Anchor Rods: A615-J 75

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	121 - 96	Pole	TP27.56x21.26x0.188	1	-15.817	968.835	46.1	Pass
L2	96 - 48	Pole	TP39.56x26.316x0.25	2	-27.629	1853.890	91.5	Pass
L3	48 - 0	Pole	TP51.56x37.786x0.313	3	-42.575	3122.301	88.3	Pass
							Summary	
						Pole (L2)	91.5	Pass
						Rating =	91.5	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component		Elevation	% Capacity	Pass / Fail
1,2	Anchor Rods		Base	57.1	Pass
1,2	Base Plate		Base	72.0	Pass
1,2	Base Foundation	Structure	Base	52.2	Pass
		Soil	Base	38.9	Pass

Structure Rating (max from all components) =	91.5%
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Notes:

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

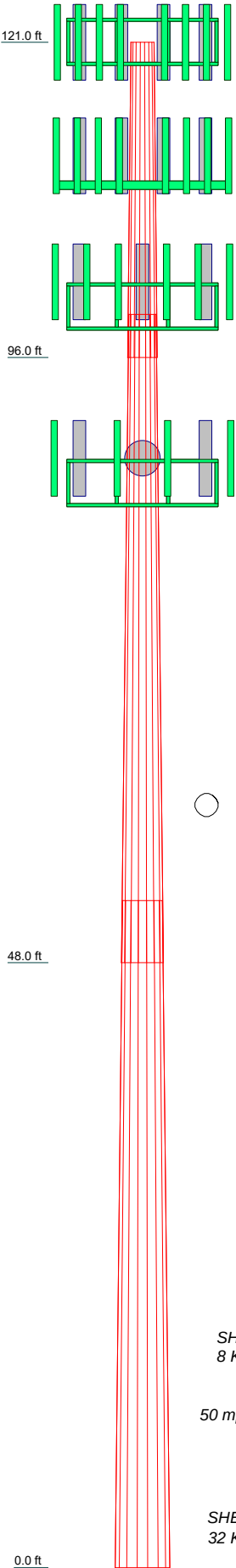
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

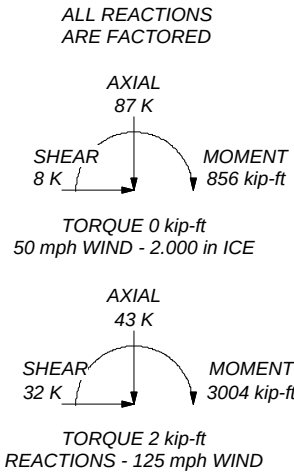
Section	1	2	3	
Length (ft)	25.000	51.450	52.950	
Number of Sides	18	18	18	
Thickness (in)	0.188	0.250	0.313	
Socket Length (ft)	3.450	4.950		
Top Dia (in)	21.260	26.316	37.786	
Bot Dia (in)	27.560	39.560	51.560	
Grade		A572-65		
Weight (K)	1.2	4.5	7.9	13.7



MATERIAL STRENGTH					
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

- 1. Tower is located in Hartford County, Connecticut.
- 2. Tower designed for Exposure C to the TIA-222-H Standard.
- 3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
- 4. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
- 5. Deflections are based upon a 60 mph wind.
- 6. Tower Risk Category II.
- 7. Topographic Category 1 with Crest Height of 0.000 ft
- 8. TIA-222-H Annex S
- 9. TOWER RATING: 91.5%



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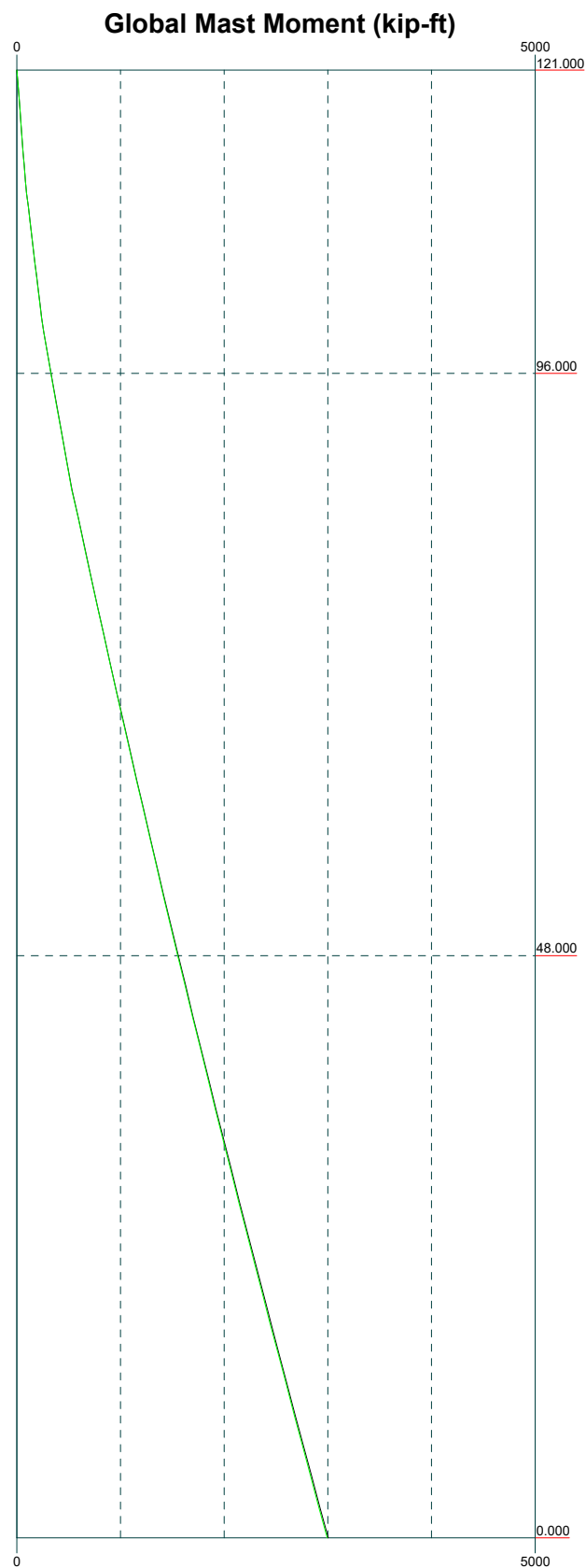
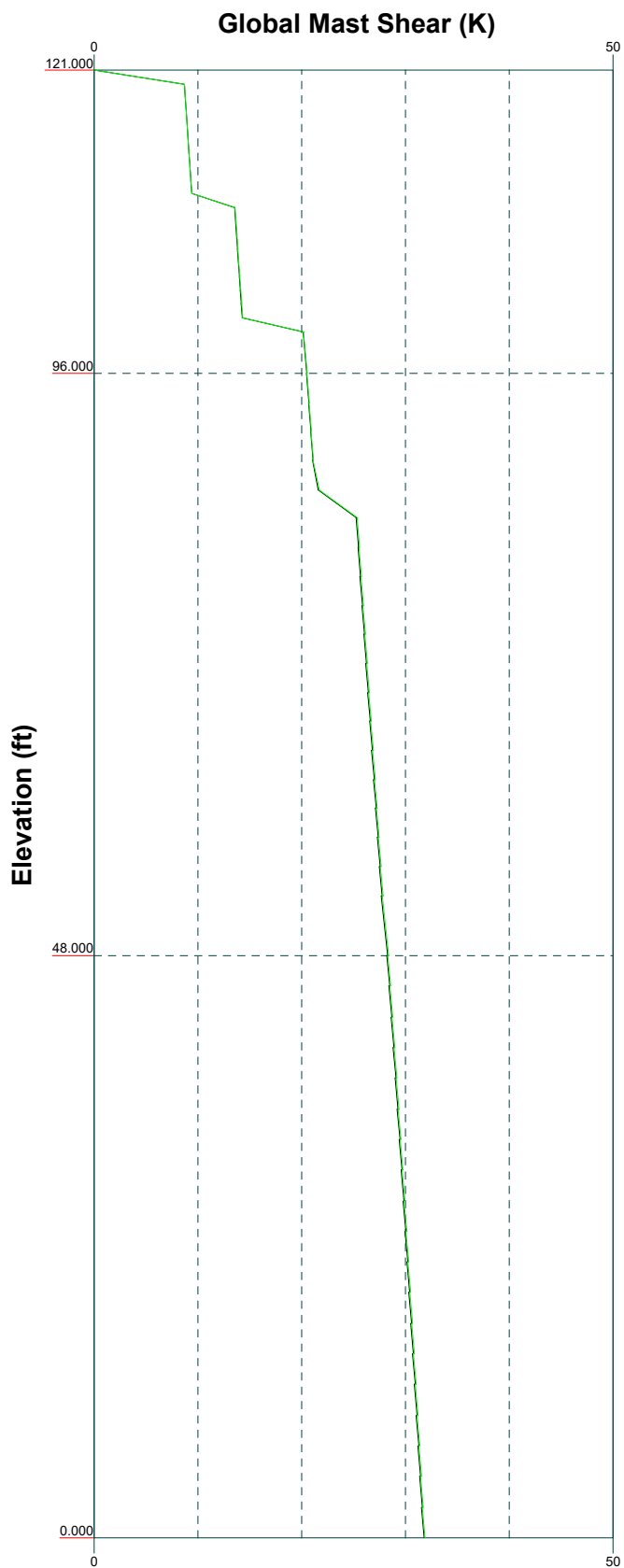
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Project:
Client: Crown Castle
Code: TIA-222-H
Path:
Drawn by: Sampath
Date: 06/09/21
App'd:
Scale: NTS
Dwg No. E-1

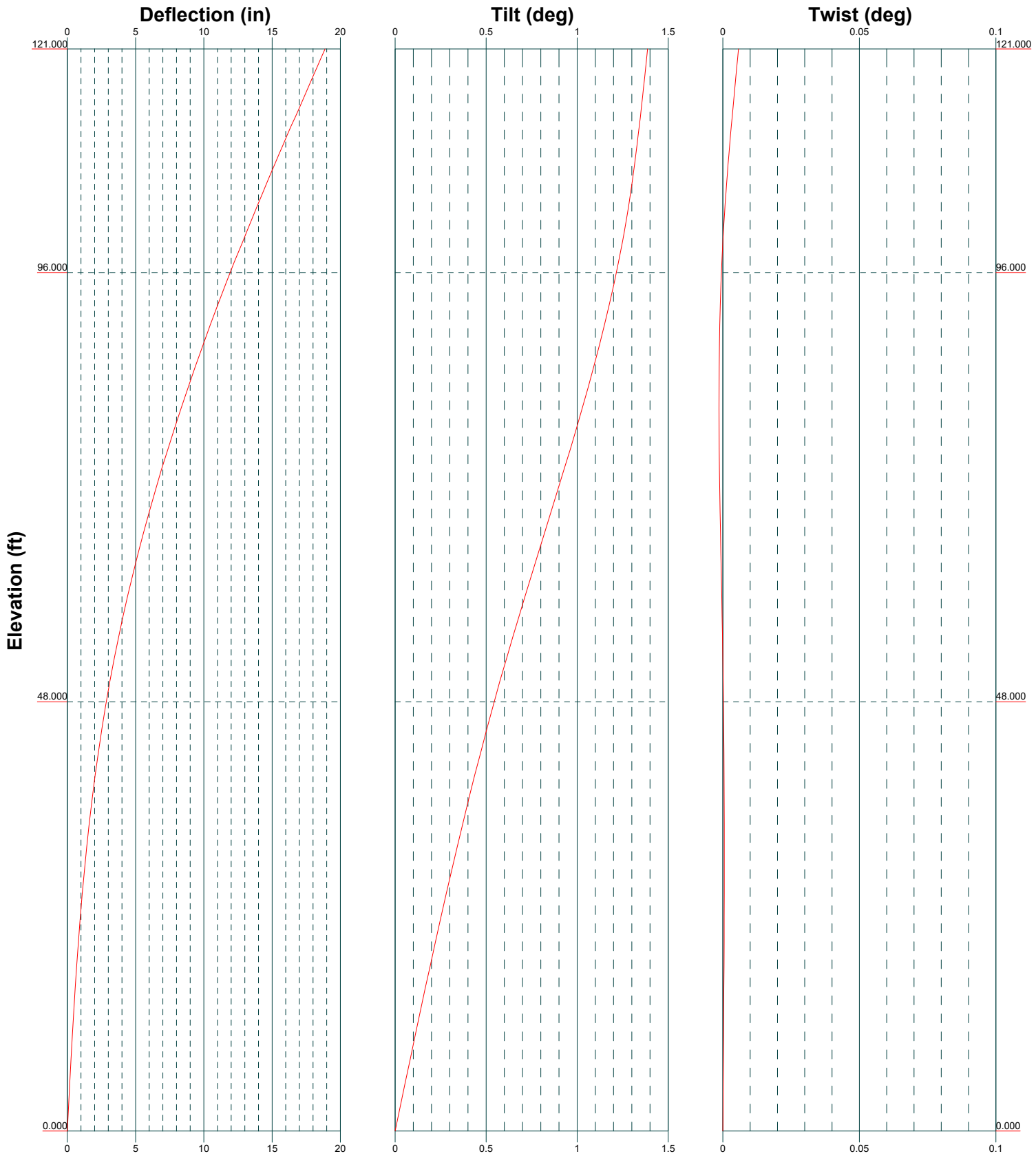
Vx

Vz

Mx

Mz



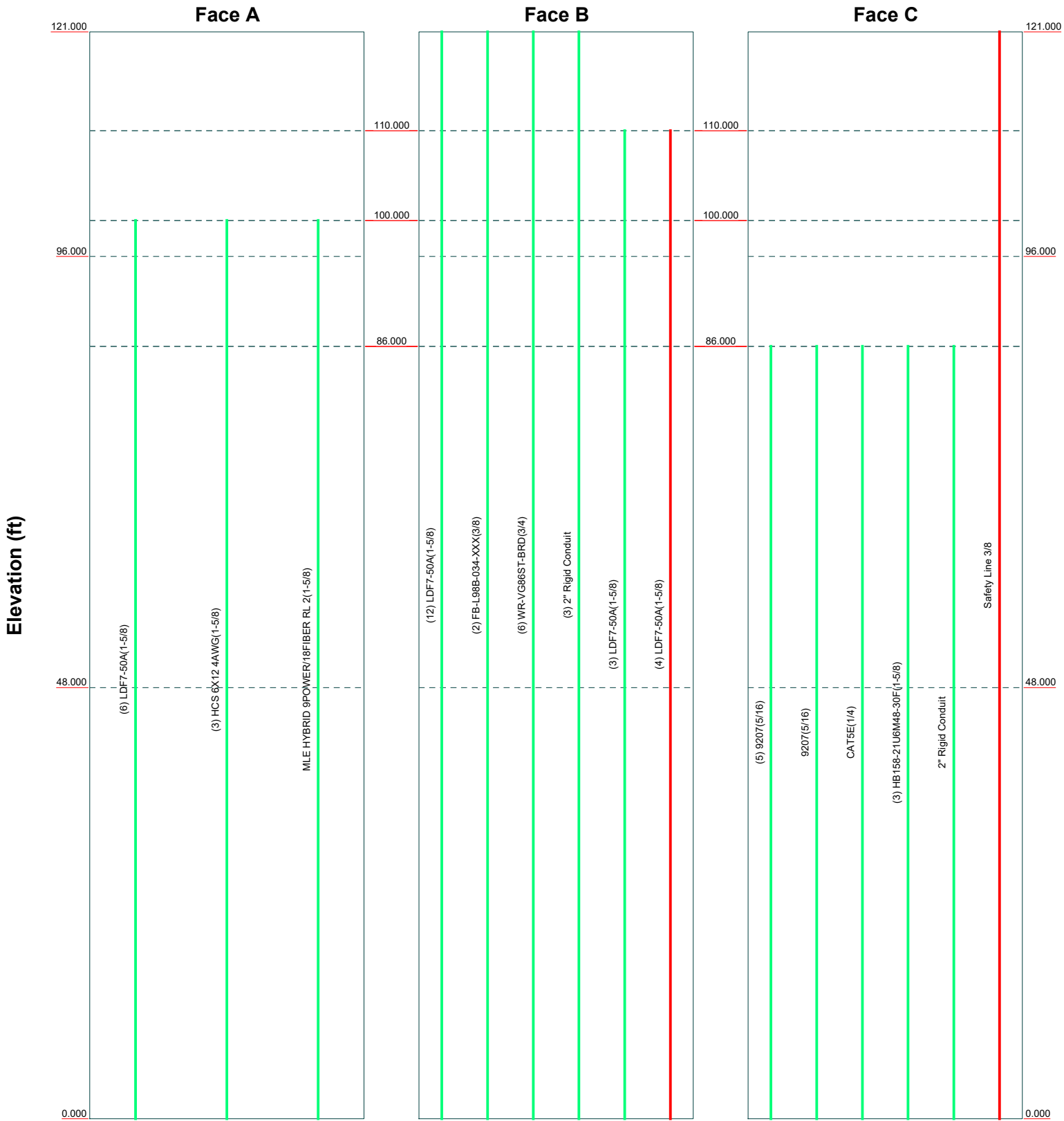


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	Project:		
	Client: Crown Castle	Drawn by: Sampath	App'd:
	Code: TIA-222-H	Date: 06/09/21	Scale: NTS
	Path:	Dwg No. E-5	

Feed Line Distribution Chart

0' - 121'

Round Flat App In Face App Out Face Truss Leg



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	Project:		
	Client: Crown Castle	Drawn by: Sampath	App'd:
	Code: TIA-222-H	Date: 06/09/21	Scale: NTS
	Path:	Dwg No. E-7	

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	Project	Date 18:48:31 06/09/21
	Client Crown Castle	Designed by Sampath

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

Tower is located in Hartford County, Connecticut.

Tower base elevation above sea level: 181.000 ft.

Basic wind speed of 125 mph.

Risk Category II.

Exposure Category C.

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

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 2.000 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

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

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

TIA-222-H Annex S.

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

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

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

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

Maximum demand-capacity ratio is: 1.05.

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

Options

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

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	Client Crown Castle	Designed by Sampath

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	121.000-96.000	25.000	3.450	18	21.260	27.560	0.188	0.750	A572-65 (65 ksi)
L2	96.000-48.000	51.450	4.950	18	26.316	39.560	0.250	1.000	A572-65 (65 ksi)
L3	48.000-0.000	52.950		18	37.786	51.560	0.313	1.250	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	21.559	12.541	703.548	7.481	10.800	65.143	1408.022	6.272	3.412	18.196
	27.956	16.290	1542.017	9.717	14.000	110.140	3086.062	8.147	4.521	24.11
L2	27.585	20.683	1775.365	9.253	13.368	132.804	3553.065	10.343	4.192	16.766
	40.132	31.192	6089.667	13.955	20.096	303.022	12187.346	15.599	6.523	26.09
L3	39.628	37.169	6594.148	13.303	19.195	343.532	13196.974	18.588	6.100	19.521
	52.307	50.831	16866.014	18.193	26.192	643.926	33754.220	25.420	8.525	27.279

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 121.000-96.00 0				1	1	1			
L2 96.000-48.000				1	1	1			
L3 48.000-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	110.000 - 0.000	4	4	0.150 0.300	1.980		0.001
* Safety Line 3/8	C	No	Surface Ar (CaAa)	121.000 - 0.000	1	1	0.350 0.360	0.375		0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

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	Project	Date 18:48:31 06/09/21
	Client Crown Castle	Designed by Sampath

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	121.000-96.000	A	0.000	0.000	0.000	0.000	0.053
		B	0.000	0.000	11.088	0.000	0.627
		C	0.000	0.000	0.938	0.000	0.005
L2	96.000-48.000	A	0.000	0.000	0.000	0.000	0.633
		B	0.000	0.000	38.016	0.000	1.325
		C	0.000	0.000	1.800	0.000	0.528
L3	48.000-0.000	A	0.000	0.000	0.000	0.000	0.633
		B	0.000	0.000	38.016	0.000	1.325
		C	0.000	0.000	1.800	0.000	0.664

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	121.000-96.000	A	1.914	0.000	0.000	0.000	0.000	0.053
		B		0.000	0.000	20.559	0.000	0.892
		C		0.000	0.000	10.507	0.000	0.139
L2	96.000-48.000	A	1.835	0.000	0.000	0.000	0.000	0.633
		B		0.000	0.000	70.487	0.000	2.233
		C		0.000	0.000	20.174	0.000	0.785
L3	48.000-0.000	A	1.647	0.000	0.000	0.000	0.000	0.633
		B		0.000	0.000	69.543	0.000	2.189
		C		0.000	0.000	19.418	0.000	0.902

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	121.000-96.000	2.937	0.010	1.748	0.718
L2	96.000-48.000	4.692	-0.092	3.318	0.607
L3	48.000-0.000	4.999	-0.096	3.735	0.669

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 _o No Ice	K _o Ice
L1	9	LDF7-50A(1-5/8)	96.00 - 110.00	1.0000	1.0000
L1	23	Safety Line 3/8	96.00 - 121.00	1.0000	1.0000

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	Client Crown Castle	Designed by Sampath

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L2	9	LDF7-50A(1-5/8)	48.00 - 96.00	1.0000	1.0000
L2	23	Safety Line 3/8	48.00 - 96.00	1.0000	1.0000
L3	9	LDF7-50A(1-5/8)	0.00 - 48.00	1.0000	1.0000
L3	23	Safety Line 3/8	0.00 - 48.00	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RA21.7770.00 w/ Mount Pipe	A	From Leg	4.000	0.000	121.000	No Ice	4.140	2.460	0.063
			0.000			1/2" Ice	4.570	2.870	0.111
			0.000			1" Ice	5.010	3.290	0.169
			0.000			2" Ice	5.930	4.150	0.314
RA21.7770.00 w/ Mount Pipe	B	From Leg	4.000	0.000	121.000	No Ice	4.140	2.460	0.063
			0.000			1/2" Ice	4.570	2.870	0.111
			0.000			1" Ice	5.010	3.290	0.169
			0.000			2" Ice	5.930	4.150	0.314
RA21.7770.00 w/ Mount Pipe	C	From Leg	4.000	0.000	121.000	No Ice	4.140	2.460	0.063
			0.000			1/2" Ice	4.570	2.870	0.111
			0.000			1" Ice	5.010	3.290	0.169
			0.000			2" Ice	5.930	4.150	0.314
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.000	0.000	121.000	No Ice	9.220	6.250	0.074
			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
			0.000			2" Ice	12.360	9.220	0.420
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.000	0.000	121.000	No Ice	9.220	6.250	0.074
			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
			0.000			2" Ice	12.360	9.220	0.420
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.000	0.000	121.000	No Ice	9.220	6.250	0.074
			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
			0.000			2" Ice	12.360	9.220	0.420
80010965 w/ Mount Pipe	A	From Leg	4.000	0.000	121.000	No Ice	12.260	5.790	0.136
			0.000			1/2" Ice	13.030	6.470	0.226
			0.000			1" Ice	13.800	7.170	0.328
			0.000			2" Ice	15.410	8.600	0.570
80010965 w/ Mount Pipe	B	From Leg	4.000	0.000	121.000	No Ice	12.260	5.790	0.136
			0.000			1/2" Ice	13.030	6.470	0.226
			0.000			1" Ice	13.800	7.170	0.328
			0.000			2" Ice	15.410	8.600	0.570
80010965 w/ Mount Pipe	C	From Leg	4.000	0.000	121.000	No Ice	12.260	5.790	0.136
			0.000			1/2" Ice	13.030	6.470	0.226
			0.000			1" Ice	13.800	7.170	0.328
			0.000			2" Ice	15.410	8.600	0.570
QS66512-2 w/ Mount Pipe	A	From Leg	4.000	0.000	121.000	No Ice	4.040	4.180	0.137
			0.000			1/2" Ice	4.420	4.570	0.206
			0.000			1" Ice	4.820	4.970	0.287
			0.000			2" Ice	5.630	5.790	0.482
QS66512-2 w/ Mount Pipe	B	From Leg	4.000	0.000	121.000	No Ice	4.040	4.180	0.137

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
QS66512-2 w/ Mount Pipe	C	From Leg	0.000	0.000	121.000	1/2" Ice	4.420	0.206
			0.000			1" Ice	4.820	0.287
			0.000			2" Ice	5.630	0.482
			4.000			No Ice	4.040	0.137
			0.000			1/2" Ice	4.420	0.206
			0.000			1" Ice	4.820	0.287
(2) LGP21401	A	From Leg	0.000	0.000	121.000	2" Ice	5.630	0.482
			4.000			No Ice	1.104	0.014
			0.000			1/2" Ice	1.239	0.021
(3) LGP21401	B	From Leg	0.000	0.000	121.000	1" Ice	1.381	0.030
			4.000			2" Ice	1.688	0.055
			0.000			No Ice	1.104	0.014
LGP21401	C	From Leg	0.000	0.000	121.000	1/2" Ice	1.239	0.021
			0.000			1" Ice	1.381	0.030
			0.000			2" Ice	1.688	0.055
(2) 7020.00	A	From Leg	4.000	0.000	121.000	No Ice	1.104	0.014
			0.000			1/2" Ice	1.239	0.021
			0.000			1" Ice	1.381	0.030
(2) 7020.00	B	From Leg	4.000	0.000	121.000	2" Ice	1.688	0.055
			0.000			No Ice	1.104	0.014
			0.000			1/2" Ice	1.239	0.021
(2) 7020.00	C	From Leg	0.000	0.000	121.000	1" Ice	1.381	0.030
			4.000			2" Ice	1.688	0.055
			0.000			No Ice	1.104	0.014
RRUS 11 B12	A	From Leg	4.000	0.000	121.000	1/2" Ice	1.239	0.021
			0.000			1" Ice	1.381	0.030
			0.000			2" Ice	1.688	0.055
RRUS 11 B12	B	From Leg	4.000	0.000	121.000	No Ice	1.104	0.014
			0.000			1/2" Ice	1.239	0.021
			0.000			1" Ice	1.381	0.030
RRUS 11 B12	C	From Leg	4.000	0.000	121.000	2" Ice	1.688	0.055
			0.000			No Ice	1.104	0.014
			0.000			1/2" Ice	1.239	0.021
RRUS 4478 B14	A	From Leg	4.000	0.000	121.000	1" Ice	1.381	0.030
			0.000			2" Ice	1.688	0.055
			0.000			No Ice	1.104	0.014
RRUS 4478 B14	B	From Leg	4.000	0.000	121.000	1/2" Ice	1.239	0.021
			0.000			1" Ice	1.381	0.030
			0.000			2" Ice	1.688	0.055
RRUS 4478 B14	C	From Leg	4.000	0.000	121.000	No Ice	1.104	0.014
			0.000			1/2" Ice	1.239	0.021
			0.000			1" Ice	1.381	0.030
RRUS 4478 B5	A	From Leg	4.000	0.000	121.000	2" Ice	1.688	0.055
			0.000			No Ice	1.104	0.014
			0.000			1/2" Ice	1.239	0.021

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _A A _A Front ft²	C _A A _A Side ft²	Weight K	
RRUS 4478 B5	B	From Leg	0.000	0.000	121.000	1" Ice	2.190	1.342	0.094
						2" Ice	2.566	1.656	0.140
						No Ice	1.843	1.059	0.060
						1/2" Ice	2.012	1.197	0.076
						1" Ice	2.190	1.342	0.094
RRUS 4478 B5	C	From Leg	0.000	0.000	121.000	2" Ice	2.566	1.656	0.140
						No Ice	1.843	1.059	0.060
						1/2" Ice	2.012	1.197	0.076
						1" Ice	2.190	1.342	0.094
						2" Ice	2.566	1.656	0.140
RRUS 4426 B66	A	From Leg	0.000	0.000	121.000	No Ice	1.644	0.725	0.048
						1/2" Ice	1.804	0.842	0.061
						1" Ice	1.972	0.969	0.076
						2" Ice	2.329	1.244	0.115
						No Ice	1.644	0.725	0.048
RRUS 4426 B66	B	From Leg	0.000	0.000	121.000	1/2" Ice	1.804	0.842	0.061
						1" Ice	1.972	0.969	0.076
						2" Ice	2.329	1.244	0.115
						No Ice	1.644	0.725	0.048
						1/2" Ice	1.804	0.842	0.061
RRUS 4426 B66	C	From Leg	0.000	0.000	121.000	1" Ice	1.972	0.969	0.076
						2" Ice	2.329	1.244	0.115
						No Ice	1.644	0.725	0.048
						1/2" Ice	1.804	0.842	0.061
						1" Ice	1.972	0.969	0.076
(4) DBCT108F1V92-1	A	From Leg	0.000	0.000	121.000	2" Ice	2.329	1.244	0.115
						No Ice	0.637	0.604	0.029
						1/2" Ice	0.740	0.705	0.036
						1" Ice	0.850	0.813	0.045
						2" Ice	1.093	1.052	0.069
(2) DBCT108F1V92-1	B	From Leg	0.000	0.000	121.000	No Ice	0.637	0.604	0.029
						1/2" Ice	0.740	0.705	0.036
						1" Ice	0.850	0.813	0.045
						2" Ice	1.093	1.052	0.069
						No Ice	0.433	0.413	0.025
DBC0061F1V51-2	A	From Leg	0.000	0.000	121.000	1/2" Ice	0.518	0.496	0.031
						1" Ice	0.609	0.586	0.038
						2" Ice	0.815	0.788	0.057
						No Ice	0.433	0.413	0.025
						1/2" Ice	0.518	0.496	0.031
DBC0061F1V51-2	B	From Leg	0.000	0.000	121.000	1" Ice	0.609	0.586	0.038
						2" Ice	0.815	0.788	0.057
						No Ice	0.433	0.413	0.025
						1/2" Ice	0.518	0.496	0.031
						1" Ice	0.609	0.586	0.038
DBC0061F1V51-2	C	From Leg	0.000	0.000	121.000	2" Ice	0.815	0.788	0.057
						No Ice	0.433	0.413	0.025
						1/2" Ice	0.518	0.496	0.031
						1" Ice	0.609	0.586	0.038
						2" Ice	0.815	0.788	0.057
RRUS 32 B2	A	From Leg	0.000	0.000	121.000	No Ice	2.731	1.668	0.053
						1/2" Ice	2.953	1.855	0.074
						1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
						No Ice	2.731	1.668	0.053
RRUS 32 B2	B	From Leg	0.000	0.000	121.000	1/2" Ice	2.953	1.855	0.074
						1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
						No Ice	2.731	1.668	0.053
						1/2" Ice	2.953	1.855	0.074
RRUS 32 B2	C	From Leg	0.000	0.000	121.000	1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
						No Ice	2.731	1.668	0.053
						1/2" Ice	2.953	1.855	0.074
						1" Ice	3.182	2.049	0.098
RRUS 32 B30	A	From Leg	0.000	0.000	121.000	2" Ice	3.663	2.458	0.157
						No Ice	2.692	1.573	0.060
						1/2" Ice	2.912	1.756	0.080
						1" Ice	3.138	1.945	0.104

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RRUS 32 B30	B	From Leg	4.000 0.000 0.000	0.000	121.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.614 2.692 2.912 3.138 3.614	2.346 1.573 1.756 1.945 2.346	0.161 0.060 0.080 0.104 0.161
RRUS 32 B30	C	From Leg	4.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.692 2.912 3.138 3.614	1.573 1.756 1.945 2.346	0.060 0.080 0.104 0.161
DC6-48-60-18-8C	A	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.145 1.792 2.002 2.451	1.145 1.792 2.002 2.451	0.026 0.047 0.070 0.125
DC6-48-60-18-8C	B	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.145 1.792 2.002 2.451	1.145 1.792 2.002 2.451	0.026 0.047 0.070 0.125
DC6-48-60-18-8F	C	From Leg	2.000 0.000 1.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.212 1.892 2.105 2.570	1.212 1.892 2.105 2.570	0.033 0.055 0.080 0.138
4' x 2.375" Pipe Mount	A	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.457 1.748 2.046 2.664	1.457 1.748 2.046 2.664	0.022 0.031 0.044 0.082
4' x 2.375" Pipe Mount	B	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.457 1.748 2.046 2.664	1.457 1.748 2.046 2.664	0.022 0.031 0.044 0.082
4' x 2.375" Pipe Mount	C	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.457 1.748 2.046 2.664	1.457 1.748 2.046 2.664	0.022 0.031 0.044 0.082
6' x 2" Mount Pipe	A	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	C	From Leg	2.000 0.000 0.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Horizontal Mount Pipe	A	From Leg	3.000 0.000 4.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.140 1.760 2.140 2.900	0.010 0.040 0.090 0.210	0.016 0.025 0.038 0.077
6' x 2" Horizontal Mount Pipe	B	From Leg	3.000 0.000 4.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.140 1.760 2.140 2.900	0.010 0.040 0.090 0.210	0.016 0.025 0.038 0.077
6' x 2" Horizontal Mount Pipe	C	From Leg	3.000 0.000 4.000	0.000	121.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.140 1.760 2.140 2.900	0.010 0.040 0.090 0.210	0.016 0.025 0.038 0.077

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
Platform Mount [LP 1201-1_KCKR-HR-1]	C	None		0.000	121.000	No Ice	37.610	37.610	2.631
						1/2" Ice	45.620	45.620	3.478
						1" Ice	53.590	53.590	4.462
						2" Ice	69.650	69.650	6.848
*									
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	110.000	No Ice	4.090	3.300	0.066
						1/2" Ice	4.490	3.680	0.130
						1" Ice	4.890	4.070	0.204
						2" Ice	5.720	4.870	0.386
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	110.000	No Ice	4.090	3.300	0.066
						1/2" Ice	4.490	3.680	0.130
						1" Ice	4.890	4.070	0.204
						2" Ice	5.720	4.870	0.386
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	110.000	No Ice	4.090	3.300	0.066
						1/2" Ice	4.490	3.680	0.130
						1" Ice	4.890	4.070	0.204
						2" Ice	5.720	4.870	0.386
CBRS w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	110.000	No Ice	1.450	0.990	0.032
						1/2" Ice	1.670	1.180	0.048
						1" Ice	1.900	1.390	0.068
						2" Ice	2.420	1.850	0.123
CBRS w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	110.000	No Ice	1.450	0.990	0.032
						1/2" Ice	1.670	1.180	0.048
						1" Ice	1.900	1.390	0.068
						2" Ice	2.420	1.850	0.123
CBRS w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	110.000	No Ice	1.450	0.990	0.032
						1/2" Ice	1.670	1.180	0.048
						1" Ice	1.900	1.390	0.068
						2" Ice	2.420	1.850	0.123
MT6407-77A	A	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice	4.692	1.840	0.082
						1/2" Ice	4.980	2.063	0.111
						1" Ice	5.275	2.292	0.144
						2" Ice	5.887	2.772	0.223
MT6407-77A	B	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice	4.692	1.840	0.082
						1/2" Ice	4.980	2.063	0.111
						1" Ice	5.275	2.292	0.144
						2" Ice	5.887	2.772	0.223
MT6407-77A	C	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice	4.692	1.840	0.082
						1/2" Ice	4.980	2.063	0.111
						1" Ice	5.275	2.292	0.144
						2" Ice	5.887	2.772	0.223
RFV01U-D1A	A	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice	1.875	1.250	0.084
						1/2" Ice	2.045	1.393	0.103
						1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	B	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice	1.875	1.250	0.084
						1/2" Ice	2.045	1.393	0.103
						1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	C	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice	1.875	1.250	0.084
						1/2" Ice	2.045	1.393	0.103
						1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D2A	A	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice	1.875	1.013	0.070
						1/2" Ice	2.045	1.145	0.087
						1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
RFV01U-D2A	B	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RFV01U-D2A	C	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
LNx-6514DS-A1M w/ Mount Pipe	A	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.710	3.300 3.680 4.060 4.870	0.065 0.128 0.202 0.383
LNx-6514DS-A1M w/ Mount Pipe	B	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.710	3.300 3.680 4.060 4.870	0.065 0.128 0.202 0.383
LNx-6514DS-A1M w/ Mount Pipe	C	From Leg	4.000 0.000 4.000	0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.490 4.890 5.710	3.300 3.680 4.060 4.870	0.065 0.128 0.202 0.383
RVZDC-6627-PF-48_CCIV2	A	From Leg	4.000 0.000 2.000	0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.056 4.316 4.582 5.138	3.098 3.335 3.580 4.092	0.032 0.068 0.109 0.203
6' x 2.375" Mount Pipe	A	From Leg	1.000 0.000 0.000	0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.041 0.051 0.066 0.109
Side Arm Mount [SO 102-3]	C	None		0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
Platform Mount [LP 1201-1]	C	None		0.000	110.000	No Ice 1/2" Ice 1" Ice 2" Ice	18.380 22.110 25.870 33.470	18.380 22.110 25.870 33.470	2.100 2.652 3.263 4.662
*									
AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.760 4.120 4.480 5.240	3.150 3.490 3.840 4.580	0.194 0.252 0.320 0.485
AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.760 4.120 4.480 5.240	3.150 3.490 3.840 4.580	0.194 0.252 0.320 0.485
AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.760 4.120 4.480 5.240	3.150 3.490 3.840 4.580	0.194 0.252 0.320 0.485
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.183 0.311 0.453 0.782
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.183 0.311 0.453 0.782

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.183 0.311 0.453 0.782
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.190 5.590 6.020 6.900	2.710 3.040 3.380 4.120	0.128 0.174 0.227 0.354
ONEBASE TWIN DUAL DUPLEX TMA	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.578 0.674 0.778 1.008	0.263 0.336 0.416 0.600	0.011 0.016 0.022 0.040
ONEBASE TWIN DUAL DUPLEX TMA	B	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.578 0.674 0.778 1.008	0.263 0.336 0.416 0.600	0.011 0.016 0.022 0.040
ONEBASE TWIN DUAL DUPLEX TMA	C	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.578 0.674 0.778 1.008	0.263 0.336 0.416 0.600	0.011 0.016 0.022 0.040
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RRUS 4415 B25	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	0.679 0.791 0.913 1.183	0.044 0.056 0.071 0.109
RRUS 4415 B25	B	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	0.679 0.791 0.913 1.183	0.044 0.056 0.071 0.109
RRUS 4415 B25	C	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.644 1.804 1.972 2.329	0.679 0.791 0.913 1.183	0.044 0.056 0.071 0.109
SDX1926Q-43	A	From Leg	4.000 0.000 0.000	0.000	100.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.241 0.306 0.379 0.547	0.101 0.144 0.195 0.318	0.006 0.009 0.012 0.023
SDX1926Q-43	B	From Leg	4.000	0.000	100.000	No Ice	0.241	0.101	0.006

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1/2" Ice	0.306	0.144	0.009
			0.000			1" Ice	0.379	0.195	0.012
						2" Ice	0.547	0.318	0.023
SDX1926Q-43	C	From Leg	4.000	0.000	100.000	No Ice	0.241	0.101	0.006
			0.000			1/2" Ice	0.306	0.144	0.009
			0.000			1" Ice	0.379	0.195	0.012
						2" Ice	0.547	0.318	0.023
(3) 7' x 2.375" Mount Pipe	A	From Leg	4.000	0.000	100.000	No Ice	1.663	1.663	0.061
			0.000			1/2" Ice	2.391	2.391	0.073
			0.000			1" Ice	2.825	2.825	0.090
						2" Ice	3.706	3.706	0.140
(3) 7' x 2.375" Mount Pipe	B	From Leg	4.000	0.000	100.000	No Ice	1.663	1.663	0.061
			0.000			1/2" Ice	2.391	2.391	0.073
			0.000			1" Ice	2.825	2.825	0.090
						2" Ice	3.706	3.706	0.140
(3) 7' x 2.375" Mount Pipe	C	From Leg	4.000	0.000	100.000	No Ice	1.663	1.663	0.061
			0.000			1/2" Ice	2.391	2.391	0.073
			0.000			1" Ice	2.825	2.825	0.090
						2" Ice	3.706	3.706	0.140
Platform Mount [LP 602-1_KCKR]	C	None		0.000	100.000	No Ice	42.300	42.300	1.618
						1/2" Ice	49.040	49.040	2.384
						1" Ice	55.870	55.870	3.267
						2" Ice	69.850	69.850	5.398
*									
*									
LLPX310R-V4 w/ Mount Pipe	A	From Leg	4.000	0.000	86.000	No Ice	3.880	2.360	0.057
			0.000			1/2" Ice	4.290	2.730	0.091
			2.000			1" Ice	4.720	3.120	0.133
						2" Ice	5.610	3.940	0.238
LLPX310R-V4 w/ Mount Pipe	B	From Leg	4.000	0.000	86.000	No Ice	3.880	2.360	0.057
			0.000			1/2" Ice	4.290	2.730	0.091
			2.000			1" Ice	4.720	3.120	0.133
						2" Ice	5.610	3.940	0.238
LLPX310R-V4 w/ Mount Pipe	C	From Leg	4.000	0.000	86.000	No Ice	3.880	2.360	0.057
			0.000			1/2" Ice	4.290	2.730	0.091
			2.000			1" Ice	4.720	3.120	0.133
						2" Ice	5.610	3.940	0.238
URAS-FLEXIBLE	A	From Leg	4.000	0.000	86.000	No Ice	1.547	0.684	0.033
			0.000			1/2" Ice	1.704	0.800	0.045
			2.000			1" Ice	1.868	0.923	0.058
						2" Ice	2.219	1.193	0.094
(2) URAS-FLEXIBLE	B	From Leg	4.000	0.000	86.000	No Ice	1.547	0.684	0.033
			0.000			1/2" Ice	1.704	0.800	0.045
			2.000			1" Ice	1.868	0.923	0.058
						2" Ice	2.219	1.193	0.094
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.000	0.000	86.000	No Ice	7.550	4.230	0.110
			0.000			1/2" Ice	8.040	4.670	0.197
			2.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.000	0.000	86.000	No Ice	7.550	4.230	0.110
			0.000			1/2" Ice	8.040	4.670	0.197
			2.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.000	0.000	86.000	No Ice	7.550	4.230	0.110
			0.000			1/2" Ice	8.040	4.670	0.197
			2.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529

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Load Combinations

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

Maximum Member Forces

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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
L1	121 - 96	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.247	-1.558	2.546
			Max. M _x	8	-15.828	-259.182	-0.032
			Max. M _y	2	-15.818	0.330	260.167
			Max. V _y	8	20.155	-259.182	-0.032
			Max. V _x	2	-20.203	0.330	260.167
			Max. Torque	10			1.203
L2	96 - 48	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.906	-4.686	3.795
			Max. M _x	8	-27.641	-1414.188	3.378
			Max. M _y	14	-27.629	1.828	-1418.070
			Max. V _y	20	-27.755	1413.283	-3.485
			Max. V _x	14	27.852	1.828	-1418.070
			Max. Torque	10			2.045
L3	48 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-87.165	-6.765	4.499
			Max. M _x	20	-42.575	2994.277	-11.766
			Max. M _y	14	-42.575	7.802	-3004.286
			Max. V _y	20	-31.796	2994.277	-11.766
			Max. V _x	14	31.889	7.802	-3004.286
			Max. Torque	10			2.034

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	30	87.165	-8.422	0.018
	Max. H _x	20	42.611	31.748	-0.157
	Max. H _z	2	42.611	-0.084	31.774
	Max. M _x	2	3000.703	-0.084	31.774
	Max. M _z	8	2993.603	-31.706	0.097
	Max. Torsion	10	2.030	-27.480	-15.832
	Min. Vert	23	31.958	27.458	15.850
	Min. H _x	8	42.611	-31.706	0.097
	Min. H _z	15	31.958	0.117	-31.841
	Min. M _x	14	-3004.286	0.117	-31.841
	Min. M _z	20	-2994.277	31.748	-0.157
	Min. Torsion	22	-1.947	27.458	15.850

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	35.509	0.000	0.000	-1.030	-1.292	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	42.611	0.084	-31.774	-3000.703	-8.021	0.688
0.9 Dead+1.0 Wind 0 deg - No Ice	31.958	0.084	-31.774	-2960.585	-7.534	0.675
1.2 Dead+1.0 Wind 30 deg - No Ice	42.611	15.864	-27.517	-2598.225	-1497.451	-0.160
0.9 Dead+1.0 Wind 30 deg - No Ice	31.958	15.864	-27.517	-2563.450	-1477.200	-0.166

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Ice						
1.2 Dead+1.0 Wind 60 deg - No Ice	42.611	27.449	-15.916	-1502.553	-2591.257	-1.094
0.9 Dead+1.0 Wind 60 deg - No Ice	31.958	27.449	-15.916	-1482.320	-2556.493	-1.092
1.2 Dead+1.0 Wind 90 deg - No Ice	42.611	31.706	-0.097	-8.801	-2993.603	-1.788
0.9 Dead+1.0 Wind 90 deg - No Ice	31.958	31.706	-0.097	-8.389	-2953.501	-1.778
1.2 Dead+1.0 Wind 120 deg - No Ice	42.611	27.480	15.832	1494.536	-2595.482	-2.030
0.9 Dead+1.0 Wind 120 deg - No Ice	31.958	27.480	15.832	1475.022	-2560.655	-2.014
1.2 Dead+1.0 Wind 150 deg - No Ice	42.611	15.744	27.569	2601.751	-1488.734	-1.330
0.9 Dead+1.0 Wind 150 deg - No Ice	31.958	15.744	27.569	2567.581	-1468.555	-1.313
1.2 Dead+1.0 Wind 180 deg - No Ice	42.611	-0.117	31.841	3004.286	7.803	-0.504
0.9 Dead+1.0 Wind 180 deg - No Ice	31.958	-0.117	31.841	2964.782	8.145	-0.491
1.2 Dead+1.0 Wind 210 deg - No Ice	42.611	-15.918	27.584	2601.725	1499.119	0.321
0.9 Dead+1.0 Wind 210 deg - No Ice	31.958	-15.918	27.584	2567.573	1479.679	0.327
1.2 Dead+1.0 Wind 240 deg - No Ice	42.611	-27.513	15.980	1505.766	2593.837	1.152
0.9 Dead+1.0 Wind 240 deg - No Ice	31.958	-27.513	15.980	1486.155	2559.873	1.150
1.2 Dead+1.0 Wind 270 deg - No Ice	42.611	-31.748	0.157	11.766	2994.277	1.773
0.9 Dead+1.0 Wind 270 deg - No Ice	31.958	-31.748	0.157	11.977	2954.993	1.762
1.2 Dead+1.0 Wind 300 deg - No Ice	42.611	-27.458	-15.850	-1498.764	2590.231	1.947
0.9 Dead+1.0 Wind 300 deg - No Ice	31.958	-27.458	-15.850	-1478.543	2556.286	1.931
1.2 Dead+1.0 Wind 330 deg - No Ice	42.611	-15.787	-27.544	-2602.090	1489.477	1.507
0.9 Dead+1.0 Wind 330 deg - No Ice	31.958	-15.787	-27.544	-2567.252	1470.112	1.491
1.2 Dead+1.0 Ice+1.0 Temp	87.165	0.000	-0.000	-4.499	-6.765	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	87.165	0.016	-8.434	-853.938	-8.142	0.208
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	87.165	4.212	-7.304	-740.033	-430.762	-0.002
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	87.165	7.291	-4.222	-429.549	-740.884	-0.236
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	87.165	8.422	-0.018	-6.071	-854.769	-0.418
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	87.165	7.298	4.206	419.392	-741.848	-0.492
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	87.165	4.190	7.314	732.236	-429.075	-0.356
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	87.165	-0.023	8.447	846.078	-4.987	-0.170
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	87.165	-4.223	7.317	732.155	418.029	0.034
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	87.165	-7.304	4.235	421.609	728.345	0.247
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	87.165	-8.430	0.030	-1.924	841.831	0.414

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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
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	87.165	-7.293	-4.210	-428.893	727.665	0.476
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	87.165	-4.198	-7.309	-740.922	416.145	0.392
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	35.509	0.018	-6.900	-647.938	-2.730	0.150
Dead+Wind 30 deg - Service	35.509	3.445	-5.975	-561.137	-323.942	-0.036
Dead+Wind 60 deg - Service	35.509	5.961	-3.456	-324.846	-559.836	-0.241
Dead+Wind 90 deg - Service	35.509	6.885	-0.021	-2.701	-646.603	-0.393
Dead+Wind 120 deg - Service	35.509	5.967	3.438	321.511	-560.746	-0.445
Dead+Wind 150 deg - Service	35.509	3.419	5.987	560.303	-322.066	-0.290
Dead+Wind 180 deg - Service	35.509	-0.025	6.914	647.116	0.685	-0.109
Dead+Wind 210 deg - Service	35.509	-3.457	5.990	560.296	322.309	0.071
Dead+Wind 240 deg - Service	35.509	-5.974	3.470	323.936	558.396	0.253
Dead+Wind 270 deg - Service	35.509	-6.894	0.034	1.737	644.752	0.388
Dead+Wind 300 deg - Service	35.509	-5.963	-3.442	-324.027	557.617	0.426
Dead+Wind 330 deg - Service	35.509	-3.428	-5.981	-561.971	320.224	0.330

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	-35.509	0.000	0.000	35.509	0.000	0.000%
2	0.084	-42.611	-31.774	-0.084	42.611	31.774	0.000%
3	0.084	-31.958	-31.774	-0.084	31.958	31.774	0.000%
4	15.864	-42.611	-27.517	-15.864	42.611	27.517	0.000%
5	15.864	-31.958	-27.517	-15.864	31.958	27.517	0.000%
6	27.449	-42.611	-15.916	-27.449	42.611	15.916	0.000%
7	27.449	-31.958	-15.916	-27.449	31.958	15.916	0.000%
8	31.706	-42.611	-0.097	-31.706	42.611	0.097	0.000%
9	31.706	-31.958	-0.097	-31.706	31.958	0.097	0.000%
10	27.480	-42.611	15.832	-27.480	42.611	-15.832	0.000%
11	27.480	-31.958	15.832	-27.480	31.958	-15.832	0.000%
12	15.744	-42.611	27.569	-15.744	42.611	-27.569	0.000%
13	15.744	-31.958	27.569	-15.744	31.958	-27.569	0.000%
14	-0.117	-42.611	31.841	0.117	42.611	-31.841	0.000%
15	-0.117	-31.958	31.841	0.117	31.958	-31.841	0.000%
16	-15.918	-42.611	27.584	15.918	42.611	-27.584	0.000%
17	-15.918	-31.958	27.584	15.918	31.958	-27.584	0.000%
18	-27.513	-42.611	15.980	27.513	42.611	-15.980	0.000%
19	-27.513	-31.958	15.980	27.513	31.958	-15.980	0.000%
20	-31.748	-42.611	0.157	31.748	42.611	-0.157	0.000%
21	-31.748	-31.958	0.157	31.748	31.958	-0.157	0.000%
22	-27.458	-42.611	-15.850	27.458	42.611	15.850	0.000%
23	-27.458	-31.958	-15.850	27.458	31.958	15.850	0.000%
24	-15.787	-42.611	-27.544	15.787	42.611	27.544	0.000%
25	-15.787	-31.958	-27.544	15.787	31.958	27.544	0.000%
26	0.000	-87.165	0.000	-0.000	87.165	0.000	0.000%
27	0.016	-87.165	-8.434	-0.016	87.165	8.434	0.000%
28	4.212	-87.165	-7.304	-4.212	87.165	7.304	0.000%
29	7.291	-87.165	-4.222	-7.291	87.165	4.222	0.000%
30	8.421	-87.165	-0.018	-8.422	87.165	0.018	0.000%
31	7.297	-87.165	4.206	-7.298	87.165	-4.206	0.000%
32	4.190	-87.165	7.314	-4.190	87.165	-7.314	0.000%
33	-0.023	-87.165	8.447	0.023	87.165	-8.447	0.000%
34	-4.223	-87.165	7.317	4.223	87.165	-7.317	0.000%
35	-7.303	-87.165	4.235	7.304	87.165	-4.235	0.000%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
36	-8.430	-87.165	0.030	8.430	87.165	-0.030	0.000%
37	-7.293	-87.165	-4.210	7.293	87.165	4.210	0.000%
38	-4.198	-87.165	-7.309	4.198	87.165	7.309	0.000%
39	0.018	-35.509	-6.900	-0.018	35.509	6.900	0.000%
40	3.445	-35.509	-5.975	-3.445	35.509	5.975	0.000%
41	5.961	-35.509	-3.456	-5.961	35.509	3.456	0.000%
42	6.885	-35.509	-0.021	-6.885	35.509	0.021	0.000%
43	5.967	-35.509	3.438	-5.967	35.509	-3.438	0.000%
44	3.419	-35.509	5.987	-3.419	35.509	-5.987	0.000%
45	-0.025	-35.509	6.914	0.025	35.509	-6.914	0.000%
46	-3.457	-35.509	5.990	3.457	35.509	-5.990	0.000%
47	-5.974	-35.509	3.470	5.974	35.509	-3.470	0.000%
48	-6.894	-35.509	0.034	6.894	35.509	-0.034	0.000%
49	-5.963	-35.509	-3.442	5.963	35.509	3.442	0.000%
50	-3.428	-35.509	-5.981	3.428	35.509	5.981	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00010966
3	Yes	5	0.00000001	0.00004833
4	Yes	6	0.00000001	0.00025786
5	Yes	6	0.00000001	0.00007976
6	Yes	6	0.00000001	0.00026503
7	Yes	6	0.00000001	0.00008236
8	Yes	5	0.00000001	0.00026471
9	Yes	5	0.00000001	0.00012073
10	Yes	6	0.00000001	0.00024948
11	Yes	6	0.00000001	0.00007687
12	Yes	6	0.00000001	0.00026518
13	Yes	6	0.00000001	0.00008245
14	Yes	5	0.00000001	0.00005522
15	Yes	4	0.00000001	0.00056673
16	Yes	6	0.00000001	0.00026010
17	Yes	6	0.00000001	0.00008073
18	Yes	6	0.00000001	0.00025267
19	Yes	6	0.00000001	0.00007805
20	Yes	5	0.00000001	0.00020821
21	Yes	5	0.00000001	0.00009537
22	Yes	6	0.00000001	0.00026849
23	Yes	6	0.00000001	0.00008363
24	Yes	6	0.00000001	0.00025172
25	Yes	6	0.00000001	0.00007766
26	Yes	4	0.00000001	0.00008606
27	Yes	5	0.00011829	0.00096716
28	Yes	6	0.00000001	0.00032600
29	Yes	6	0.00000001	0.00033016
30	Yes	5	0.00011825	0.00097637
31	Yes	6	0.00000001	0.00030799
32	Yes	6	0.00000001	0.00032273
33	Yes	5	0.00011809	0.00094813
34	Yes	6	0.00000001	0.00030536
35	Yes	6	0.00000001	0.00030150
36	Yes	5	0.00011813	0.00095338

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37	Yes	6	0.00000001	0.00032392
38	Yes	6	0.00000001	0.00030827
39	Yes	4	0.00000001	0.00011520
40	Yes	4	0.00000001	0.00093811
41	Yes	5	0.00000001	0.00005970
42	Yes	4	0.00000001	0.00023576
43	Yes	4	0.00000001	0.00085153
44	Yes	5	0.00000001	0.00005957
45	Yes	4	0.00000001	0.00009925
46	Yes	4	0.00000001	0.00094691
47	Yes	4	0.00000001	0.00086841
48	Yes	4	0.00000001	0.00022300
49	Yes	5	0.00000001	0.00006196
50	Yes	4	0.00000001	0.00086909

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	121 - 96	18.876	39	1.386	0.004
L2	99.45 - 48	12.838	39	1.250	0.003
L3	52.95 - 0	3.449	39	0.616	0.001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
121.000	RA21.7770.00 w/ Mount Pipe	39	18.876	1.386	0.004	23349
110.000	(2) SBNHH-1D65B w/ Mount Pipe	39	15.729	1.327	0.003	10613
100.000	AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	39	12.984	1.255	0.003	5671
88.000	VHLP2.5-18	39	9.965	1.125	0.002	4691
86.000	LLPX310R-V4 w/ Mount Pipe	39	9.497	1.100	0.002	4584

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	121 - 96	87.371	2	6.411	0.018
L2	99.45 - 48	59.491	14	5.792	0.012
L3	52.95 - 0	15.997	14	2.857	0.003

Critical Deflections and Radius of Curvature - Design Wind

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Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
121.000	RA21.7770.00 w/ Mount Pipe	2	87.371	6.411	0.019	5191
110.000	(2) SBNHH-1D65B w/ Mount Pipe	14	72.844	6.146	0.016	2358
100.000	AIR 32 B2A B66AA T-MOBILE w/ Mount Pipe	14	60.164	5.815	0.013	1257
88.000	VHLP2.5-18	14	46.204	5.217	0.010	1033
86.000	LLPX310R-V4 w/ Mount Pipe	14	44.034	5.099	0.009	1008

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio P _u / φP _n
	ft		ft	ft		in ²	K	K	
L1	121 - 96 (1)	TP27.56x21.26x0.188	25.000	0.000	0.0	15.773	-15.817	922.700	0.017
L2	96 - 48 (2)	TP39.56x26.316x0.25	51.450	0.000	0.0	30.181	-27.629	1765.610	0.016
L3	48 - 0 (3)	TP51.56x37.786x0.313	52.950	0.000	0.0	50.831	-42.575	2973.620	0.014

Pole Bending Design Data

Section No.	Elevation	Size	M _{ux}	φM _{nx}	Ratio M _{ux} / φM _{nx}	M _{uy}	φM _{ny}	Ratio M _{uy} / φM _{ny}
	ft		kip-ft	kip-ft		kip-ft	kip-ft	
L1	121 - 96 (1)	TP27.56x21.26x0.188	260.373	564.949	0.461	0.000	564.949	0.000
L2	96 - 48 (2)	TP39.56x26.316x0.25	1418.075	1504.700	0.942	0.000	1504.700	0.000
L3	48 - 0 (3)	TP51.56x37.786x0.313	3004.300	3297.608	0.911	0.000	3297.608	0.000

Pole Shear Design Data

Section No.	Elevation	Size	Actual V _u	φV _n	Ratio V _u / φV _n	Actual T _u	φT _n	Ratio T _u / φT _n
	ft		K	K		kip-ft	kip-ft	
L1	121 - 96 (1)	TP27.56x21.26x0.188	20.224	276.810	0.073	0.890	642.478	0.001
L2	96 - 48 (2)	TP39.56x26.316x0.25	27.852	529.683	0.053	0.505	1764.367	0.000
L3	48 - 0 (3)	TP51.56x37.786x0.313	31.889	892.086	0.036	0.504	4003.683	0.000

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	Project	Date 18:48:31 06/09/21
	Client Crown Castle	Designed by Sampath

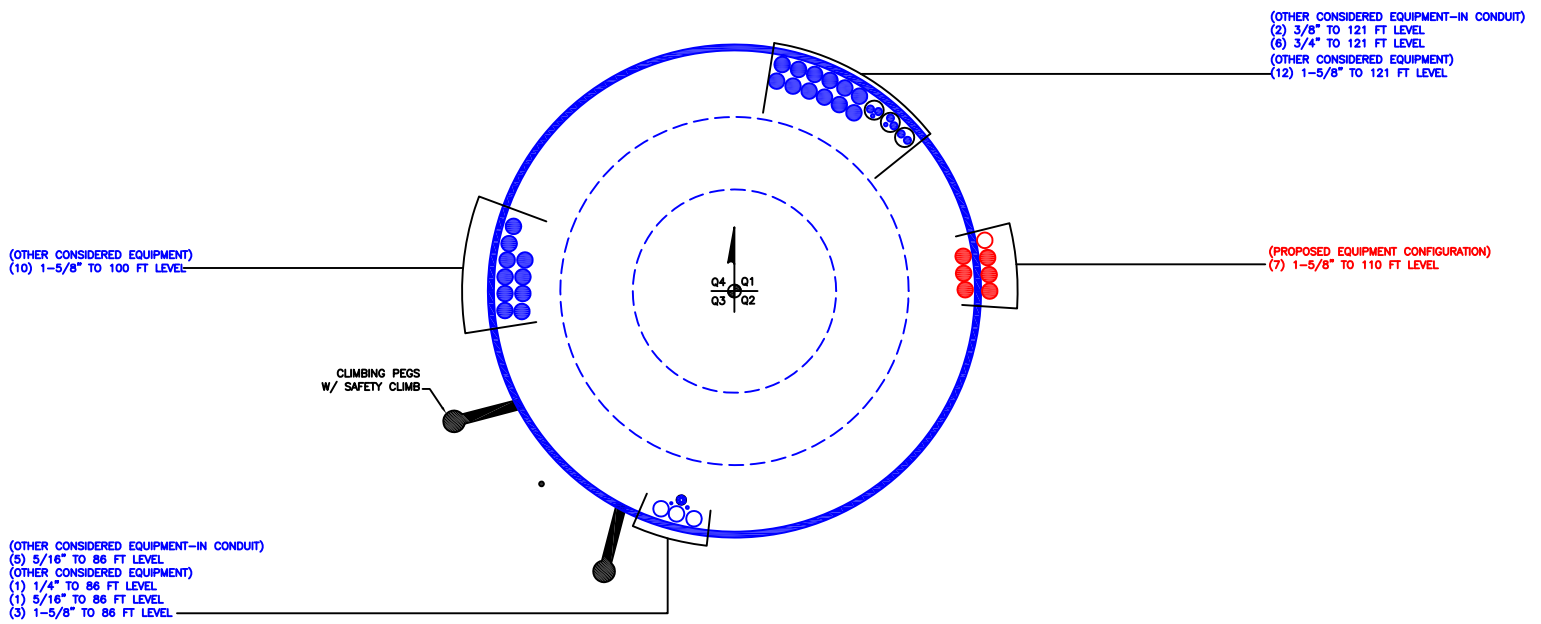
Pole Interaction Design Data

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
L1	121 - 96 (1)	0.017	0.461	0.000	0.073	0.001	0.484	1.050	4.8.2 ✓
L2	96 - 48 (2)	0.016	0.942	0.000	0.053	0.000	0.961	1.050	4.8.2 ✓
L3	48 - 0 (3)	0.014	0.911	0.000	0.036	0.000	0.927	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	121 - 96	Pole	TP27.56x21.26x0.188	1	-15.817	968.835	46.1	Pass
L2	96 - 48	Pole	TP39.56x26.316x0.25	2	-27.629	1853.890	91.5	Pass
L3	48 - 0	Pole	TP51.56x37.786x0.313	3	-42.575	3122.301	88.3	Pass
							Summary	
							Pole (L2)	91.5 Pass
							RATING =	91.5 Pass

APPENDIX B
BASE LEVEL DRAWING



BUSINESS UNIT: 857012

APPENDIX C
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

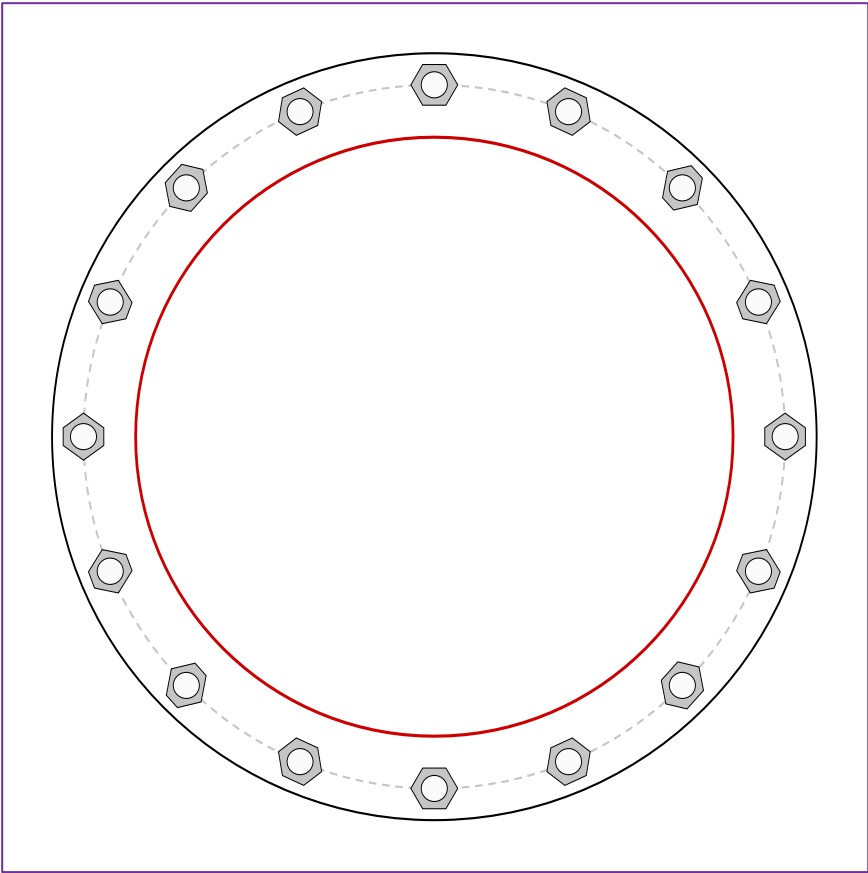


Site Info	
BU #	857012
Site Name	LE SOUTH WASHINGTON
Order #	574559, Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l _{ar} (in)	2.75

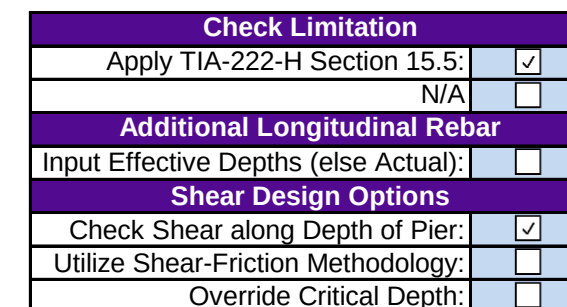
Applied Loads	
Moment (kip-ft)	3004.30
Axial Force (kips)	42.57
Shear Force (kips)	31.89

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(16) 2-1/4" $\varnothing$ bolts (A615-75 N; F _y =75 ksi, F _u =100 ksi) on 60.56" BC		Pu _t = 146.08	ϕ Pn _t = 243.75 Stress Rating
Base Plate Data		Vu = 1.99	ϕ Vn = 149.1 57.1%
66" OD x 2" Plate (A572-60; F _y =60 ksi, F _u =75 ksi)		Mu = 3.56	ϕ Mn = 128.14 Pass
Stiffener Data		Base Plate Summary	
N/A		Max Stress (ksi):	40.81 (Flexural)
Pole Data		Allowable Stress (ksi):	54
51.56" x 0.3125" 18-sided pole (A572-65; F _y =65 ksi, F _u =80 ksi)		Stress Rating:	72.0% Pass

BU #:	857012
Site Name:	PLAINVILLE SOUTH
Order Number:	574559, Rev. 0
IA-222 Revision:	H
Tower Type:	Monopole



Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	3004.3	
Axial Force (kips)	42.61	
Shear Force (kips)	31.84	

Material Properties			Rebar 2, Fy Override (ksi)
Concrete Strength, f'c:	3	ksi	
Rebar Strength, Fy:	60	ksi	
Tie Yield Strength, Fyt:	40	ksi	

Pier Design Data		
Depth	32	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
<i>From 0.5' above grade to 32' below grade</i>		
Pier Diameter	7	ft
Rebar Quantity	27	
Rebar Size	11	
Clear Cover to Ties	3	in
Tie Size	3	
Tie Spacing		in

Belled Pier Inputs

Soil Lateral Check	Compression	Uplift
D _{v=0} (ft from TOC)	7.12	-
Soil Safety Factor	3.67	-
Max Moment (kip-ft)	3224.15	-
Rating*	34.5%	-

Soil Vertical Check	Compression	Uplift
Skin Friction (kips)	169.92	-
End Bearing (kips)	287.53	-
Weight of Concrete (kips)	144.40	-
Total Capacity (kips)	457.45	-
Axial (kips)	187.01	-
Rating*	38.9%	-

Reinforced Concrete Flexure	Compression	Uplift
Critical Depth (ft from TOC)	7.04	-
Critical Moment (kip-ft)	3224.10	-
Critical Moment Capacity	6575.98	-
Rating*	46.7%	-

Reinforced Concrete Shear	Compression	Uplift
Critical Depth (ft from TOC)	22.17	-
Critical Shear (kip)	269.68	-
Critical Shear Capacity	491.97	-
Rating*	52.2%	-

Structural Foundation Rating*	52.2%
Soil Interaction Rating*	38.9%

Soil Profile

Groundwater Depth	4	# of Layers	8
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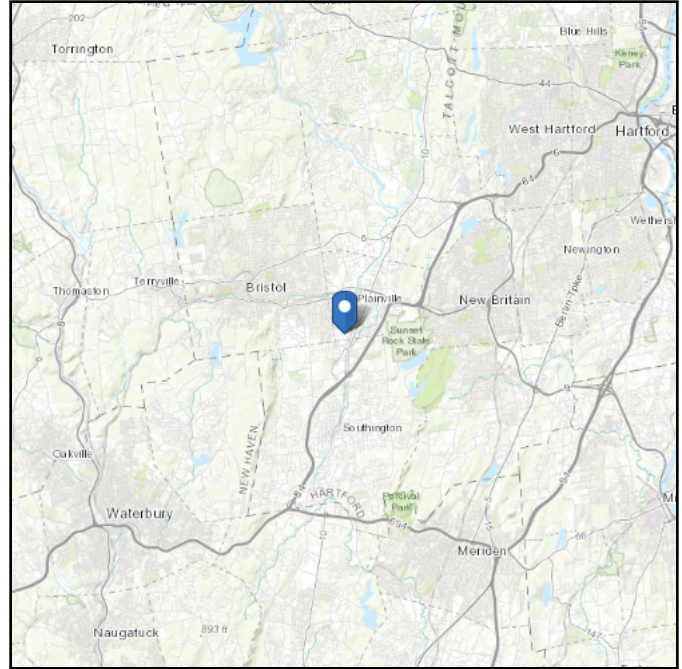
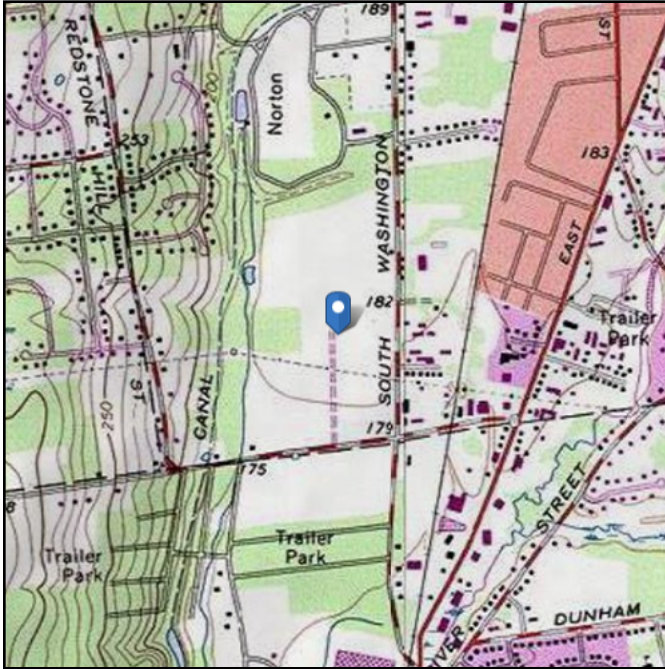
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	117.4	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	4	0.5	117.4	150	0	33	0.000	0.000	0.32	0.32			Cohesionless
3	4	13	9	55	87.6	0	33	0.000	0.000	0.32	0.32			Cohesionless
4	13	15	2	45	87.6	0	28	0.000	0.000	0.50	0.50			Cohesionless
5	15	19	4	45	87.6	0	28	0.000	0.000	0.56	0.56			Cohesionless
6	19	23	4	55	87.6	0	33	0.000	0.000	0.64	0.64			Cohesionless
7	23	25	2	40	87.6	0	28	0.00	0.00	0.76	0.76			Cohesionless
8	25	32	7	40	87.6	0	28	0.00	0.00	0.00	0.00	6.4		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: 181.15 ft (NAVD 88)
Latitude: 41.653064
Longitude: -72.876917

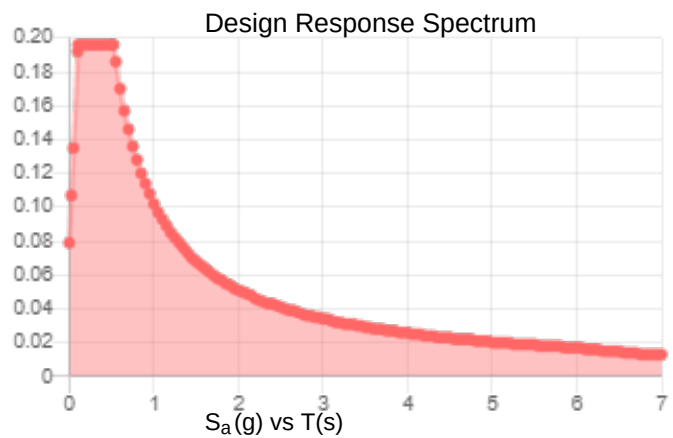
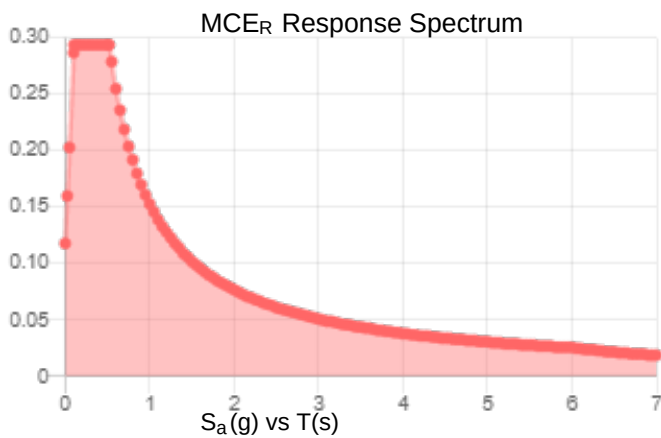


Site Soil Class: D - Stiff Soil

Results:

S_S :	0.184	S_{DS} :	0.196
S_1 :	0.064	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.094
S_{MS} :	0.294	PGA_M :	0.15
S_{M1} :	0.153	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Fri Jun 04 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.

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 5 F
Gust Speed: 50 mph

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

Date Accessed: Fri Jun 04 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.

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Exhibit E

Mount Analysis

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS: INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.

a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)

b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS

c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36)

STEEL PIPE ASTM A53 (GR 35)

BOLTS ASTM A325

NUTS ASTM A563

LOCK WASHERS LOCKING STRUCTURAL GRADE
3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

a. SUBMIT SHOP DRAWINGS TO

PETER.ALBANO@COLLIERSENGINEERING.COM

b. PROVIDE COLLIER ENGINEERING AND DESIGN CT, P.C. PROJECT # AND COLLIER ENGINEERING AND DESIGN CT, P.C. PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.

5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

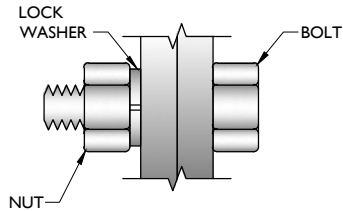
WELDING NOTES

1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)				
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

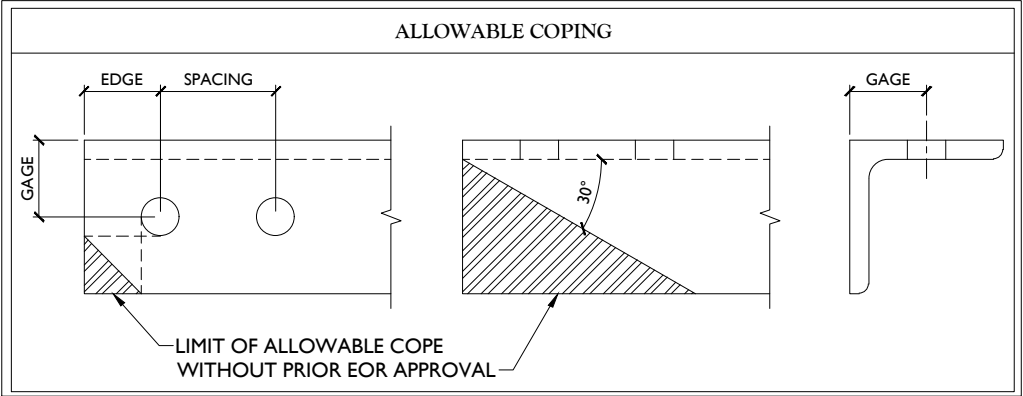
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

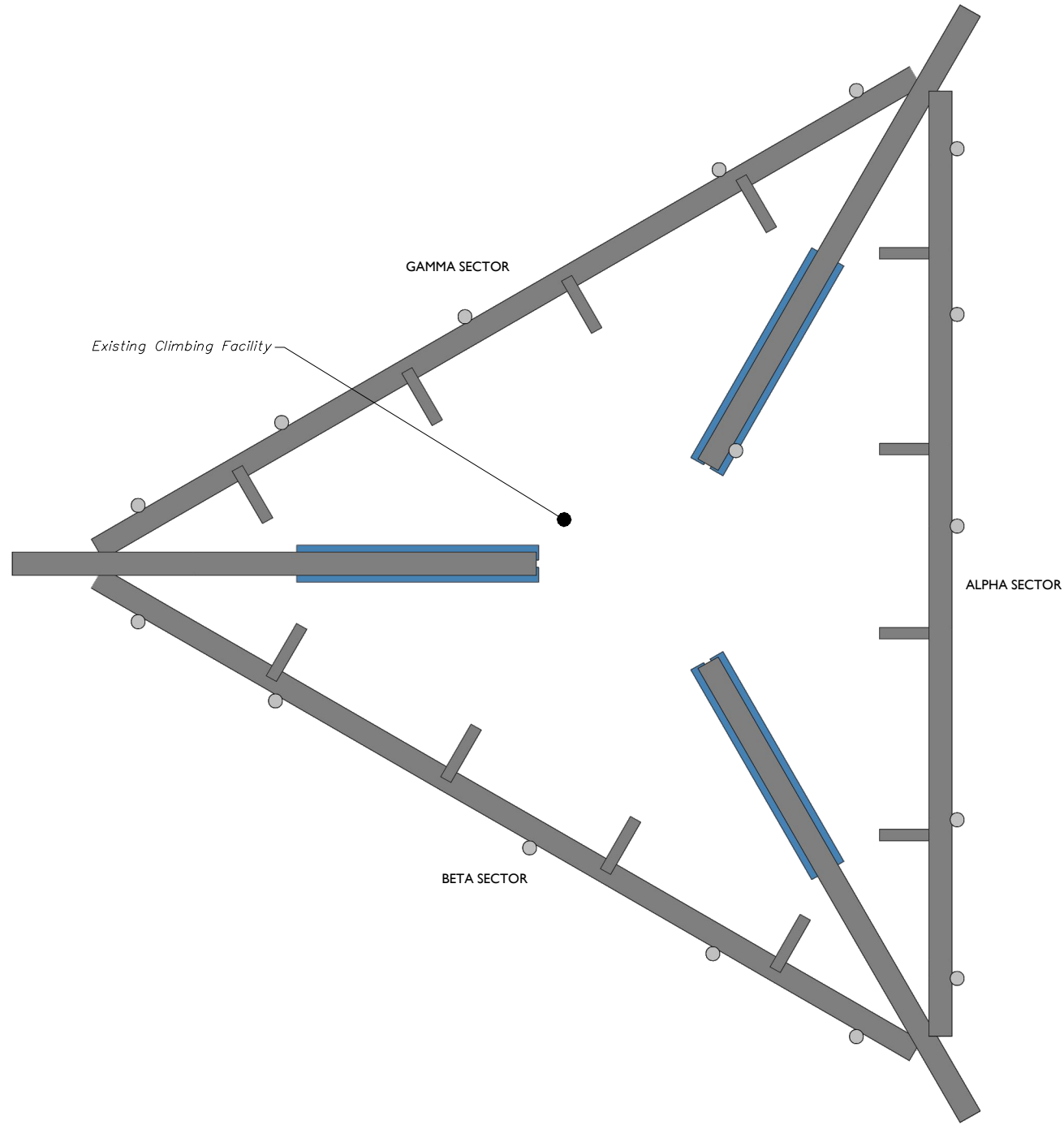
NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



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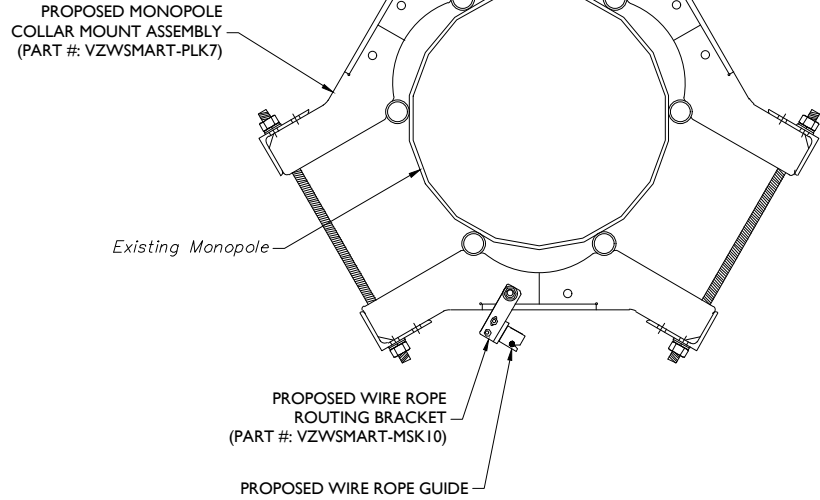
SOUTHINGTON NORTH CT
467808
335 SOUTH WASHINGTON STREET
PLAINVILLE, CT 06112
HARTFORD COUNTY



1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.

STRUCTURAL NOTES:

- PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING ON 11/7/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (110'-3") ARE IN GOOD CONDITION. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.
- INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.



CLIMBING FACILITY PHOTO



verizon



PROTECT YOURSELF
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EXCAVATORS, DESIGNERS, OR ANY PERSON
PREPARING TO DISTURB THE EARTH'S
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WWW.CALL811.COM

SCALE : AS SHOWN JOB NUMBER: 21781013A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	12/01/21	ISSUED FOR CONSTRUCTION	MSG	DRH

Deak Shif
STATE OF CONNECTICUT
R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER
COLLIERS ENGINEERING & DESIGN, INC.
Date: 2021.11.18 22:39:04

IT IS A VIOLATION OF LAW FOR ANY PERSON,
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OF THE RESPONSIBLE LICENSED PROFESSIONAL
ENGINEER, TO ALTER THIS DOCUMENT.

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467808
335 SOUTH WASHINGTON
STREET
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HARTFORD COUNTY

Colliers Engineering & Design
MT. LAUREL
2000 Midatlantic Drive,
Suite 100
Mt. Laurel, NJ 08054
Phone: 856.797.0412
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-I

LEGEND:

- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE				
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	110'-3"	1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5))	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
<u>NOTES.</u>				
MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.				



www.colliersengineering.com

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	



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HARTFORD COUNTY



Engineering & Design

MT. LAUREL
2000 Midlantic Drive,
Suite 100
Mt. Laurel, NJ 08054
Phone: 856.797.0412
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MAGNET CONSULTING

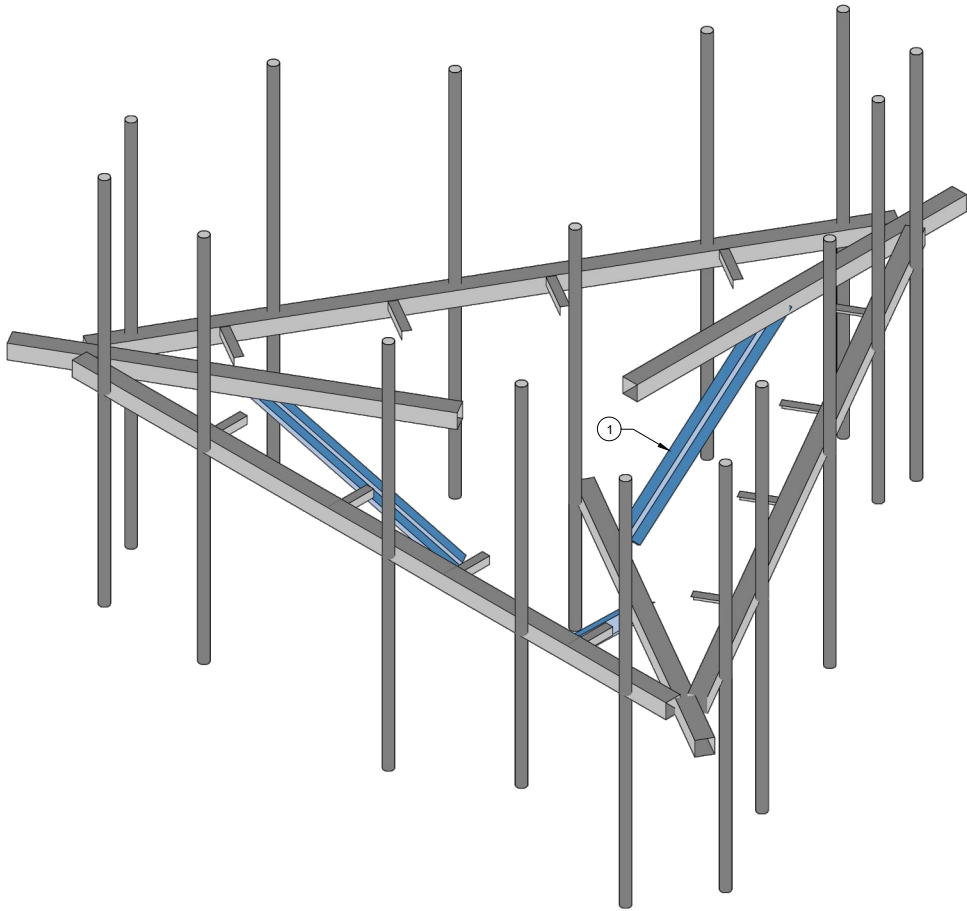
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MODIFICATION DETAILS

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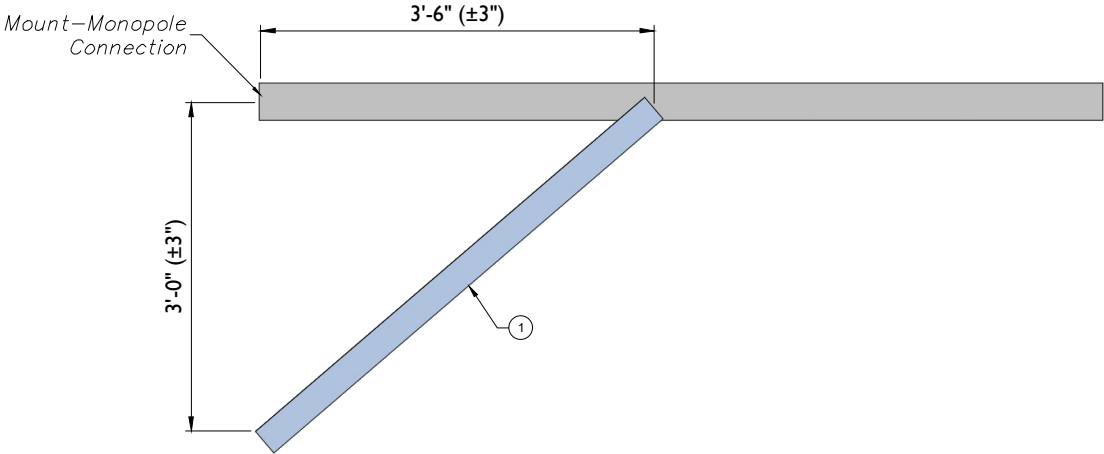
SS-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.



MOUNT PHOTO 1



MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

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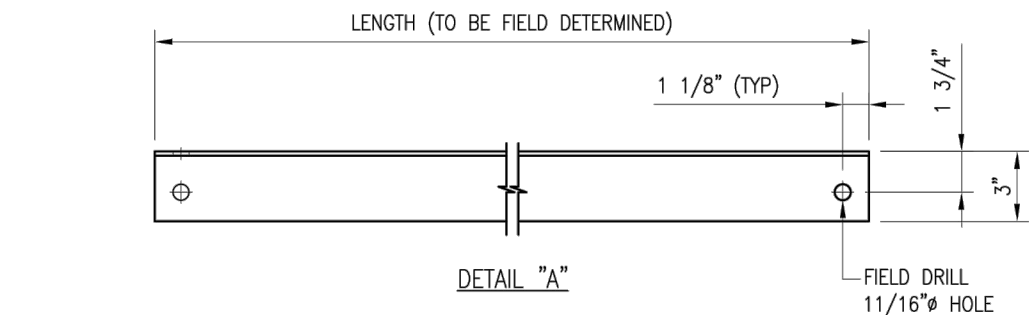
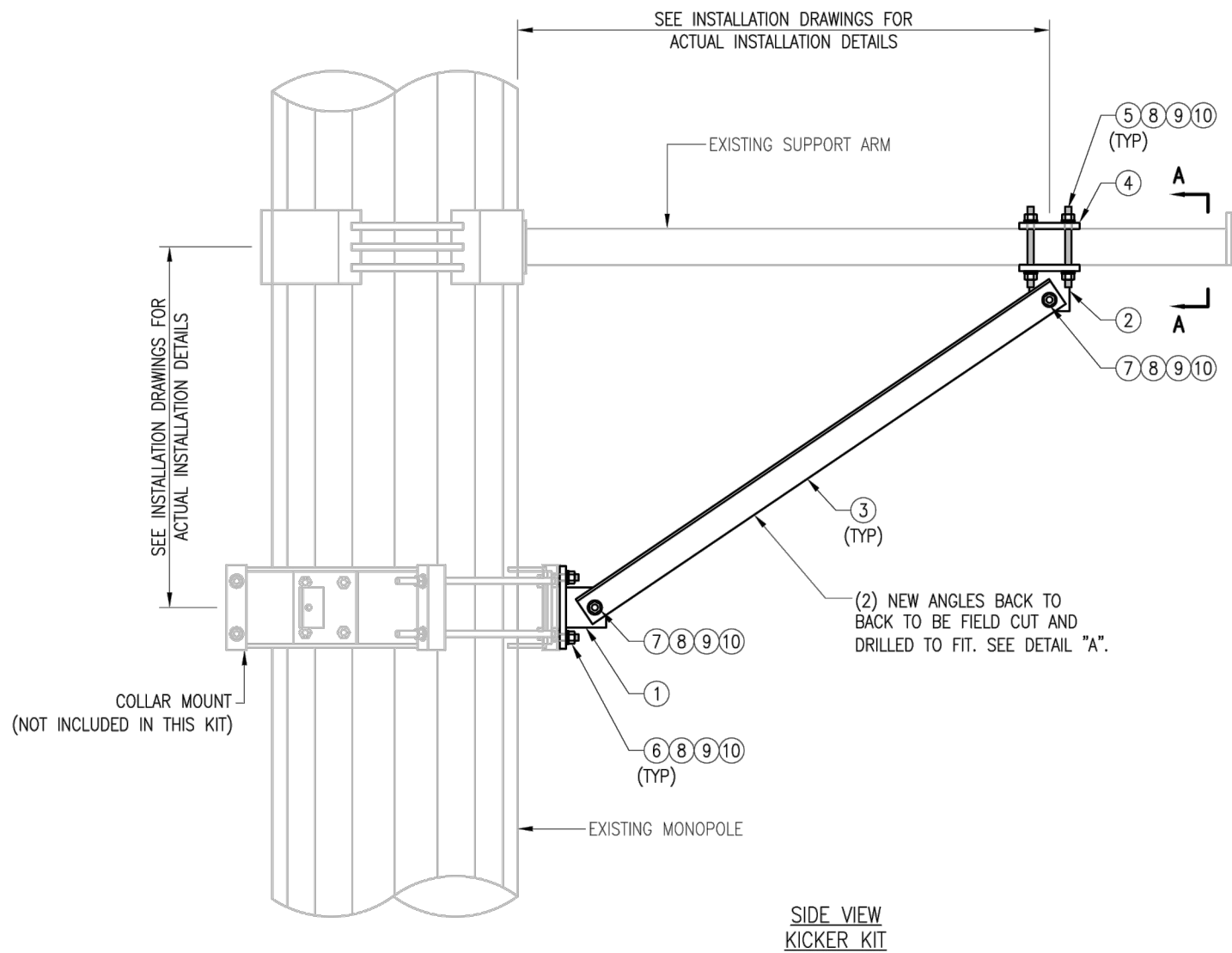
STATE OF CONNECTICUT
DECK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER
COLLIERS ENGINEERING & DESIGN, INC.
Date: 2021.11.18 22:41-04'00"

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

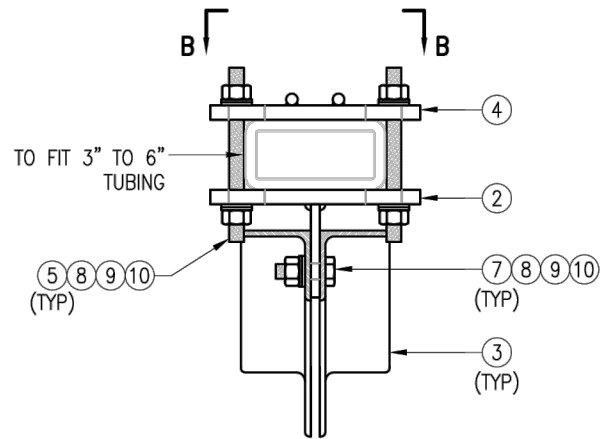
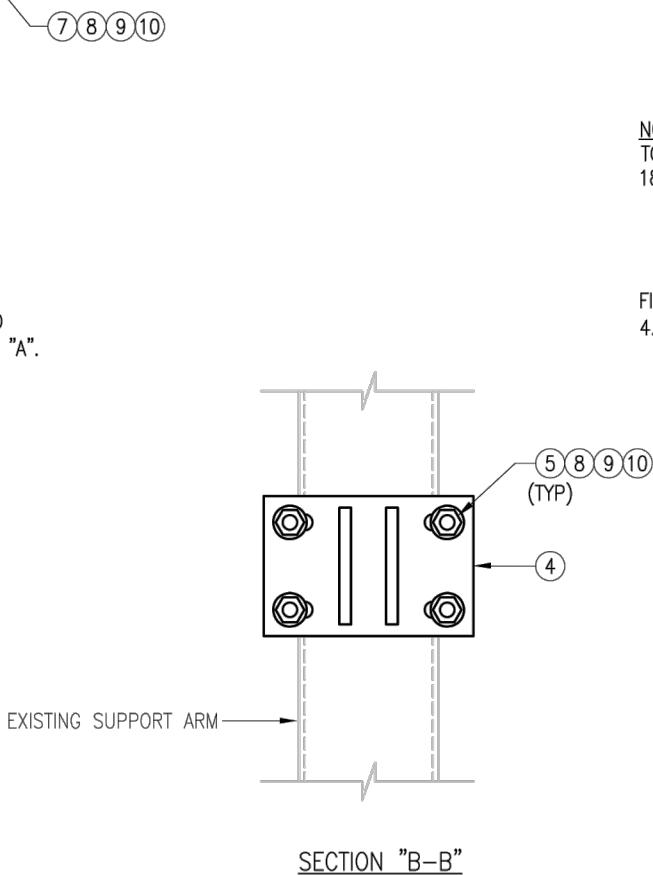
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467808
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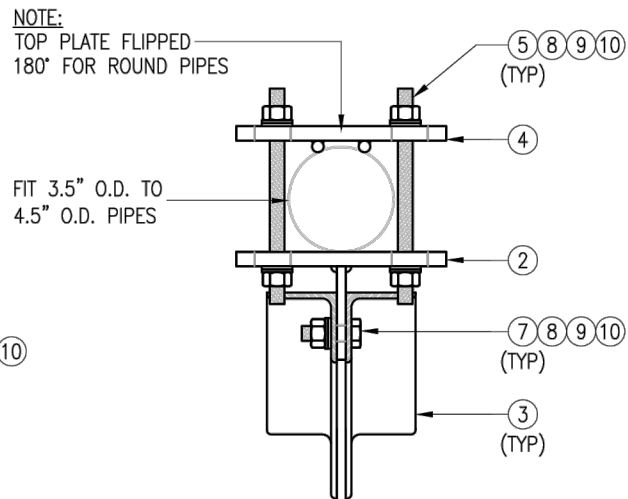
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



- NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
 2. HOT-DIPPED GALVANIZED PER ASTM A123.
 3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE



SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING

VZWSMART-PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L331875-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-KI	PL 5/8" X 6" X 9" A36	PLK5-F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	---
6	6	---	BOLT 5/8" X 2" A325	---	---
7	12	---	BOLT 5/8" X 2 1/2" A325	---	---
8	42	FW-625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW-625	5/8" HDG LOCK WASHER	---	1
10	42	NUT-625	5/8" HDG HEX NUT	---	5
GALVANIZED WT					291

VzW
SMART Tool®
Vendor

verizon

DRAWN BY: MN CHECKED BY: HMA/KW

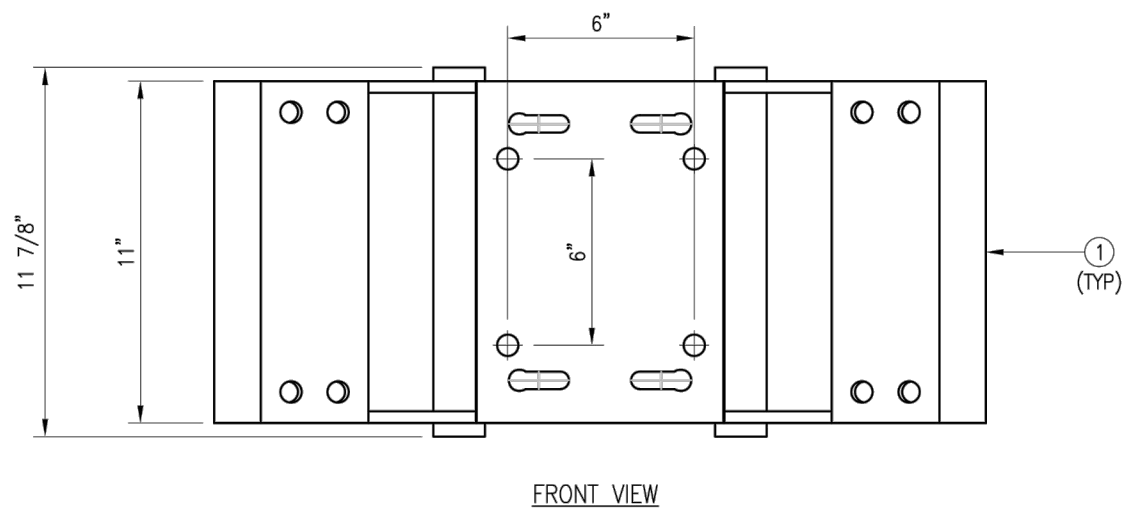
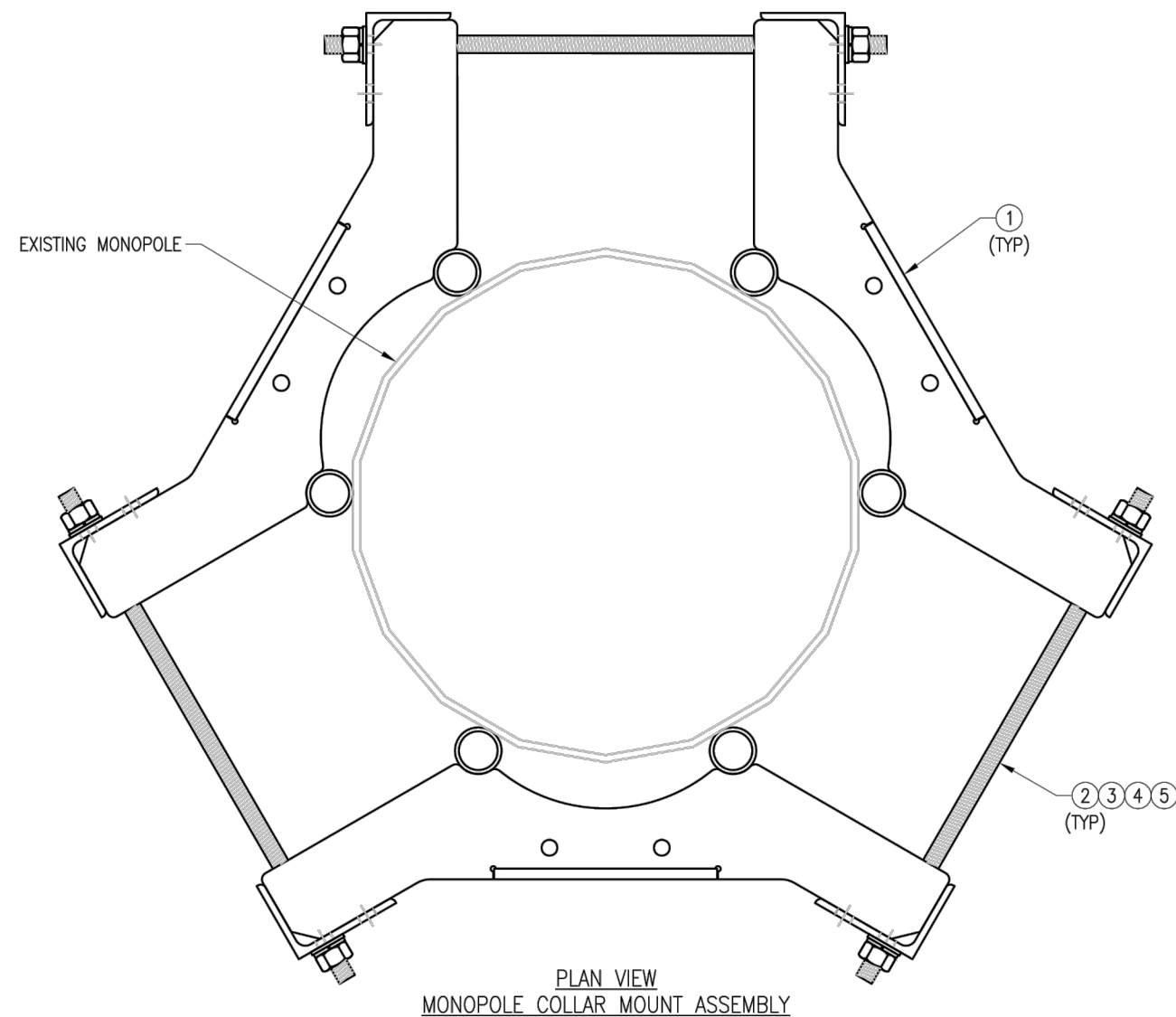
REV.	DESCRIPTION	BY	DATE
△	FIRST ISSUE	MN	05/08/20
△			
△			
△			

SHEET TITLE:

VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: REV #:

VZWSMART-PLK5 0



NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

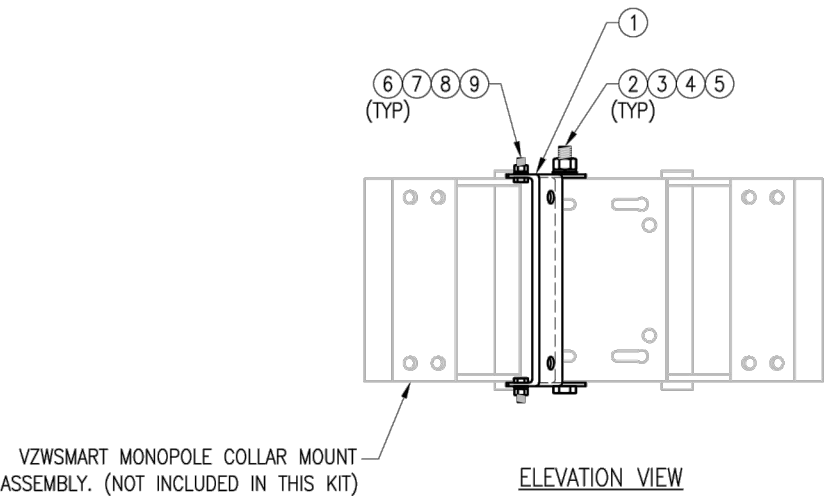
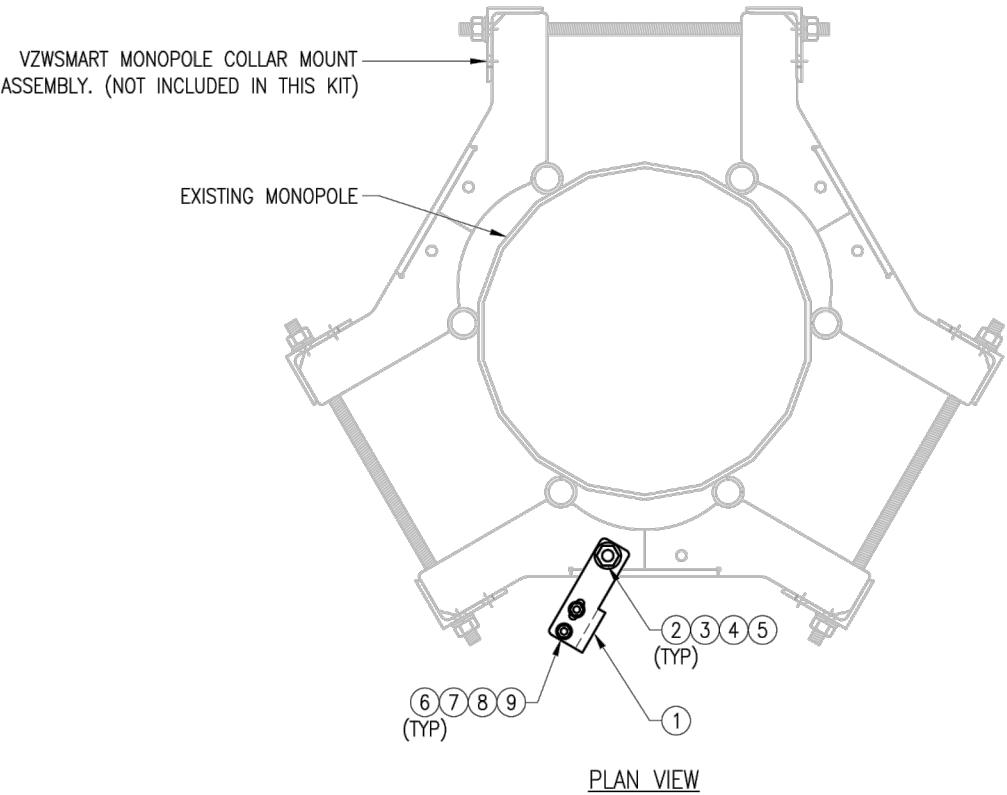
VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
GALVANIZED WT					150

DRAWN BY: BT CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
△	FIRST ISSUE	BT	05/11/20
△			
△			
△			

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7
REV #: 0



NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK10 (WIRE ROPE ROUTING BRACKET)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL-CM	PL 3/16" X 6 1/2" X 2'-0 1/2" A36	MSK10-F1	2.7
2	2	---	BOLT 1/2" X 1 3/4" A325	---	0.4
3	2	FW-500	1/2" HDG USS FLAT WASHER	---	2
4	2	LW-500	1/2" HDG LOCK WASHER	---	0
5	2	NUT-500	1/2" HDG HEX NUT	---	2
6	4	---	BOLT 3/8" X 1 1/2" FULL THREAD SAE GR 5	---	0
7	4	FW-375	3/8" HDG USS FLAT WASHER	---	0
8	4	LW-375	3/8" HDG LOCK WASHER	---	0
9	4	NUT-375	3/8" HDG HEX NUT	---	0
GALVANIZED WT					7

VzW
SMART Tool[®]
Vendor

verizon

DRAWN BY: SK		CHECKED BY: KW	
REV.	DESCRIPTION	BY	DATE
△ 0	FIRST ISSUE	SK	04/13/21
△			
△			
△			
SHEET TITLE:			
VZWSMART-MSK10 WIRE ROPE ROUTING BRACKET			
SHEET NUMBER:		REV #:	
VZWSMART-MSK10		0	



Maser Consulting Connecticut
1055 Washington Boulevard
Stamford, CT 06901
(203)324-0800
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10117475
Maser Consulting Connecticut Project #: 21781013A

December 1, 2021

Site Information

Site ID: 467808-VZW / SOUTHINGTON NORTH CT
Site Name: SOUTHINGTON NORTH CT
Carrier Name: Verizon Wireless
Address: 335 South Washington Street
Plainville, Connecticut 06112
Hartford County
Latitude: 41.652111°
Longitude: -72.879694°

Structure Information

Tower Type: 121-Ft Monopole
Mount Type: 13.67-Ft Platform Mount

FUZE ID # 16244615

Analysis Results

Platform Mount: 87.8% 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: Chuanjiao Hu



Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 324872, dated November 10, 2021
Mount Mapping Report	RKS Design & Engineering, LLC, Site ID: CC:857012, dated November 7, 2021
Mount Analysis Report	Maser Consulting Connecticut, Project #: 21781013A, dated November 16, 2021
Mount Modification Drawings	Colliers Engineering & Design, Project #: 21781013A, dated December 1, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 117 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.994
Seismic Parameters:	S_s : 0.192 g S_1 : 0.055 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
110.25	113.50	3	Samsung	MT6407-77A	Added
	112.00	3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
	112.00	6	Andrew	SBNHH-1D65B	Retained
		2	Amphenol Antel	BXA-70063-6CF	
		1	Kathrein	80010765	
	110.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Added

The recent mount mapping did not report existing OVP units. However, 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.

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

Standard Conditions:

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Antenna Pipe	87.8 %	Pass
Face Horizontal	23.6 %	Pass
Standoff Horizontal	33.2 %	Pass
Grating Support	0.8 %	Pass
Kicker	13.1 %	Pass
Mount Connection	59.4 %	Pass

Structure Rating – (Controlling Utilization of all Components)	87.8%
---	--------------

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:	11/7/2021
Site Name:	CC:PLAINVILLE SOUTH WASHINGTON STREET,VZW:NE SOUTH	Tower Type:	Monopole
Site Number or ID:	CC:857012	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	108.2

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

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	10.00	C1	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	10.00
A2	Pipe 2.375"Ø X 0.19" X 96" Long	59.50	38.75	C2	Pipe 2.375"Ø X 0.19" X 96" Long	59.50	38.75
A3	Pipe 2.375"Ø X 0.18" X 102" Long	51.25	75.50	C3	Pipe 2.375"Ø X 0.18" X 102" Long	51.25	75.50
A4	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	126.50	C4	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	126.50
A5	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	154.00	C5	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	154.00
A6				C6			
B1	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	10.00	D1			
B2	Pipe 2.375"Ø X 0.19" X 96" Long	59.50	38.75	D2			
B3	Pipe 2.375"Ø X 0.18" X 102" Long	51.25	75.50	D3			
B4	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	126.50	D4			
B5	Pipe 2.375"Ø X 0.17" X 102" Long	51.25	154.00	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :

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

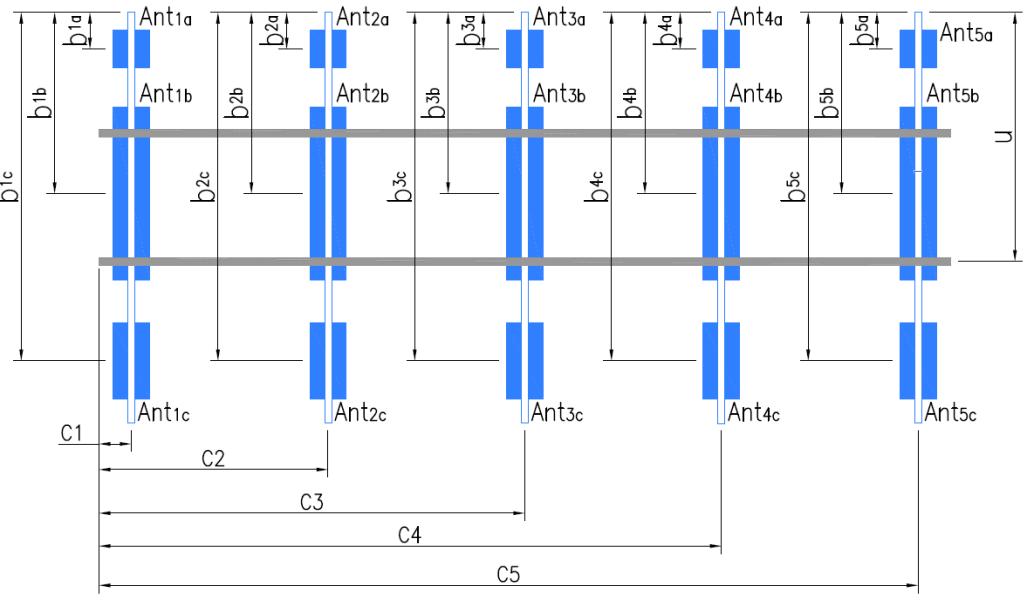
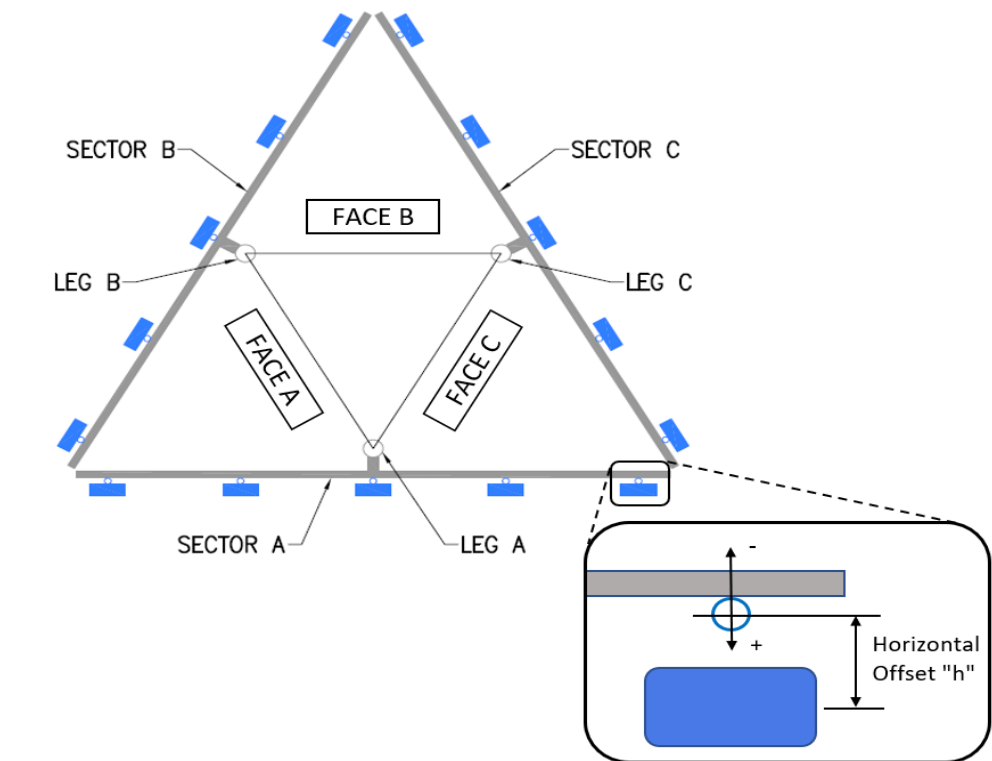
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	23
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.25

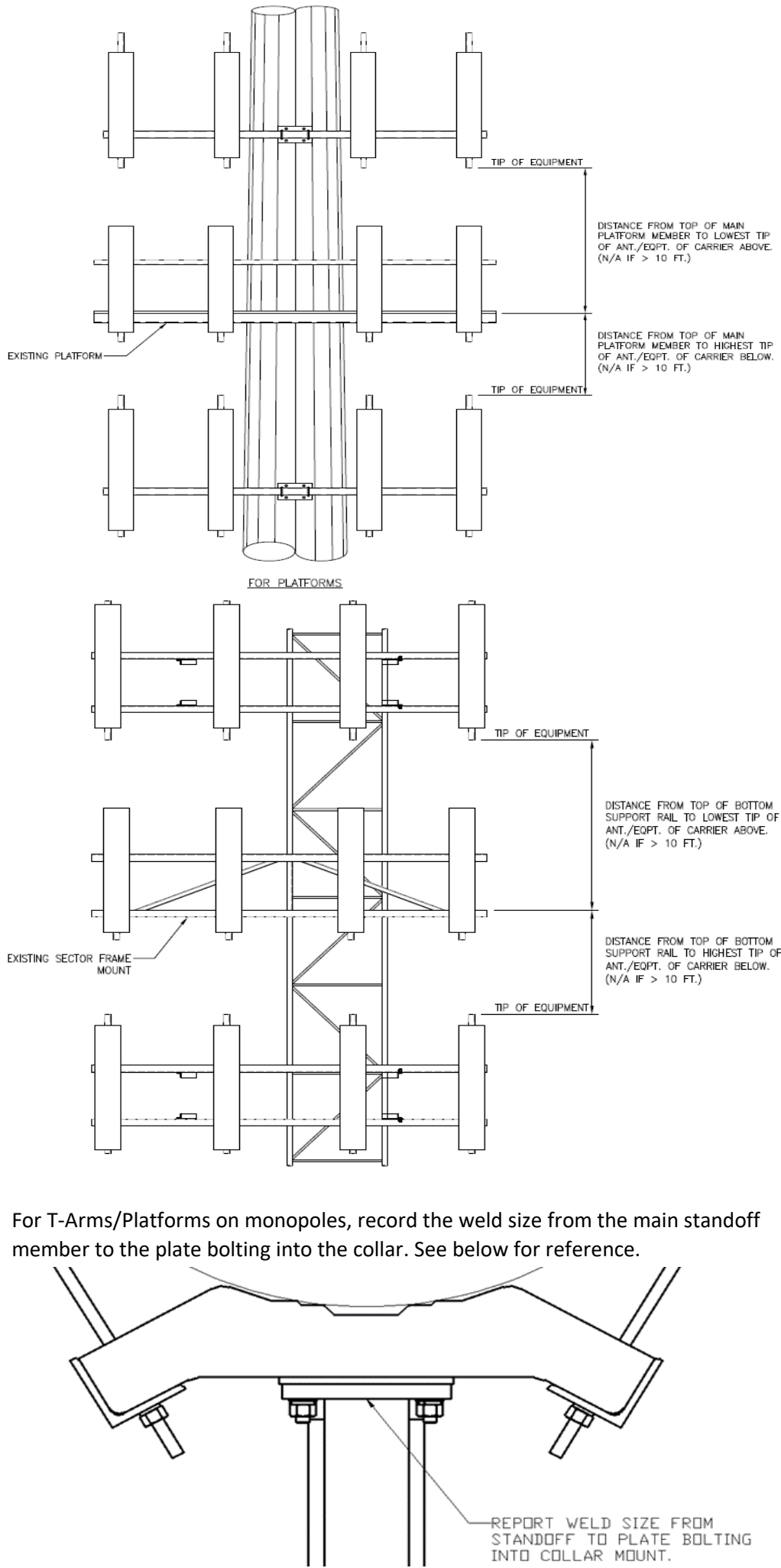
Enter antenna model. If not labeled, enter "Unknown".							Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b}" (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant _{1a}										
Ant _{1b}	LPA-80063-4CF-EDIN	15.20	13.10	47.40		110.492	23.75	14.50	60.00	24,221
Ant _{1c}										
Ant _{2a}	B4 RRH2x60-4R	10.60	5.70	36.60		110.804	28.25	-4.75		24,221
Ant _{2b}	SBNHH-1D65B	11.90	7.10	72.00		110.158	36.00	9.50	60.00	24,221
Ant _{2c}										
Ant _{3a}	B13 RRH4x30	12.00	9.00	21.60		109.908	30.75	-6.50		24,222
Ant _{3b}	80010765V01	11.80	6.00	75.50		108.908	42.75	9.00	60.00	24,222
Ant _{3c}										
Ant _{4a}										
Ant _{4b}	SBNHH-1D65B	11.90	7.10	72.00		109.888	31.00	9.50	60.00	24,222
Ant _{4c}										
Ant _{5a}										
Ant _{5b}	LPA-80063-4CF-EDIN	15.20	13.10	47.40		110.492	23.75	14.50	60.00	24,222
Ant _{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.70	10.20	25.60			14.50	-8.50		24,222
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector B										
Ant _{1a}										
Ant _{1b}	LPA-80063-4CF-EDIN	15.20	13.10	47.40		110.492	23.75	14.50	180.00	31,225
Ant _{1c}										
Ant _{2a}	B4 RRH2x60-4R	10.60	5.70	36.60		110.804	28.25	-4.75		31,225
Ant _{2b}	SBNHH-1D65B	11.90	7.10	72.00		110.158	36.00	9.50	180.00	31,225
Ant _{2c}										
Ant _{3a}	B13 RRH4x30	12.00	9.00	21.60		109.908	30.75	-6.50		31,226
Ant _{3b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		109.929	30.50	8.50	180.00	31,226
Ant _{3c}										
Ant _{4a}										
Ant _{4b}	SBNHH-1D65B	11.90	7.10	72.00		109.888	31.00	9.50	180.00	31,228
Ant _{4c}										
Ant _{5a}										
Ant _{5b}	LPA-80063-4CF-EDIN	15.20	13.10	47.40		110.492	23.75	14.50	180.00	31,228
Ant _{5c}										



Antenna Layout (Looking Out From Tower)					
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	60.00	Deg	Leg A:		Deg
Sector B:	180.00	Deg	Leg B:		Deg
Sector C:	300.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg
Climbing Facility Information					
Location:	230.00	Deg	N/A		
Climbing Facility	Corrosion Type:		N/A		
	Access:		Climbing path was unobstructed.		
	Condition:		Good condition.		

Please insert a photo of the mount centerline measurement here.



Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant _{1a}										
Ant _{1b}	LPA-80063-4CF-EDIN	15.20	13.10	47.40		110.492	23.75	14.50	300.00	38,230
Ant _{1c}										
Ant _{2a}	B4 RRH2x60-4R	10.60	5.70	36.60		110.804	28.25	-4.75		38,230
Ant _{2b}	SBNHH-1D65B	11.90	7.10	72.00		110.158	36.00	9.50	300.00	38,230
Ant _{2c}										
Ant _{3a}	B13 RRH4x30	12.00	9.00	21.60		109.908	30.75	-6.50		38,231
Ant _{3b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		109.929	30.50	8.50	300.00	38,231
Ant _{3c}										
Ant _{4a}										
Ant _{4b}	SBNHH-1D65B	11.90	7.10	72.00		109.888	31.00	9.50	300.00	38,232
Ant _{4c}										
Ant _{5a}										
Ant _{5b}	LPA-80063-4CF-EDIN	15.20	13.10	47.40		110.492	23.75	14.50	300.00	38,232
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant _{1a}										
Ant _{1b}										
Ant _{1c}										
Ant _{2a}										
Ant _{2b}										
Ant _{2c}										
Ant _{3a}										
Ant _{3b}										
Ant _{3c}										
Ant _{4a}										
Ant _{4b}										
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	COAX TOTAL (19): (1) 1.51"Ø, (18) FH 1-5/8	
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System			
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.			Photo #
Description of Obstruction:			
Type of Light:	Photo #	Additional Comments:	

Lighting Technology:		Photo #		
Elevation (AGL) at base of light (Ft.):		Photo #		
Is a service loop available?		Photo #		
Is beacon installed on an extension?		Photo #		

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

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



Antenna Mount Mapping Form (PATENT PENDING)

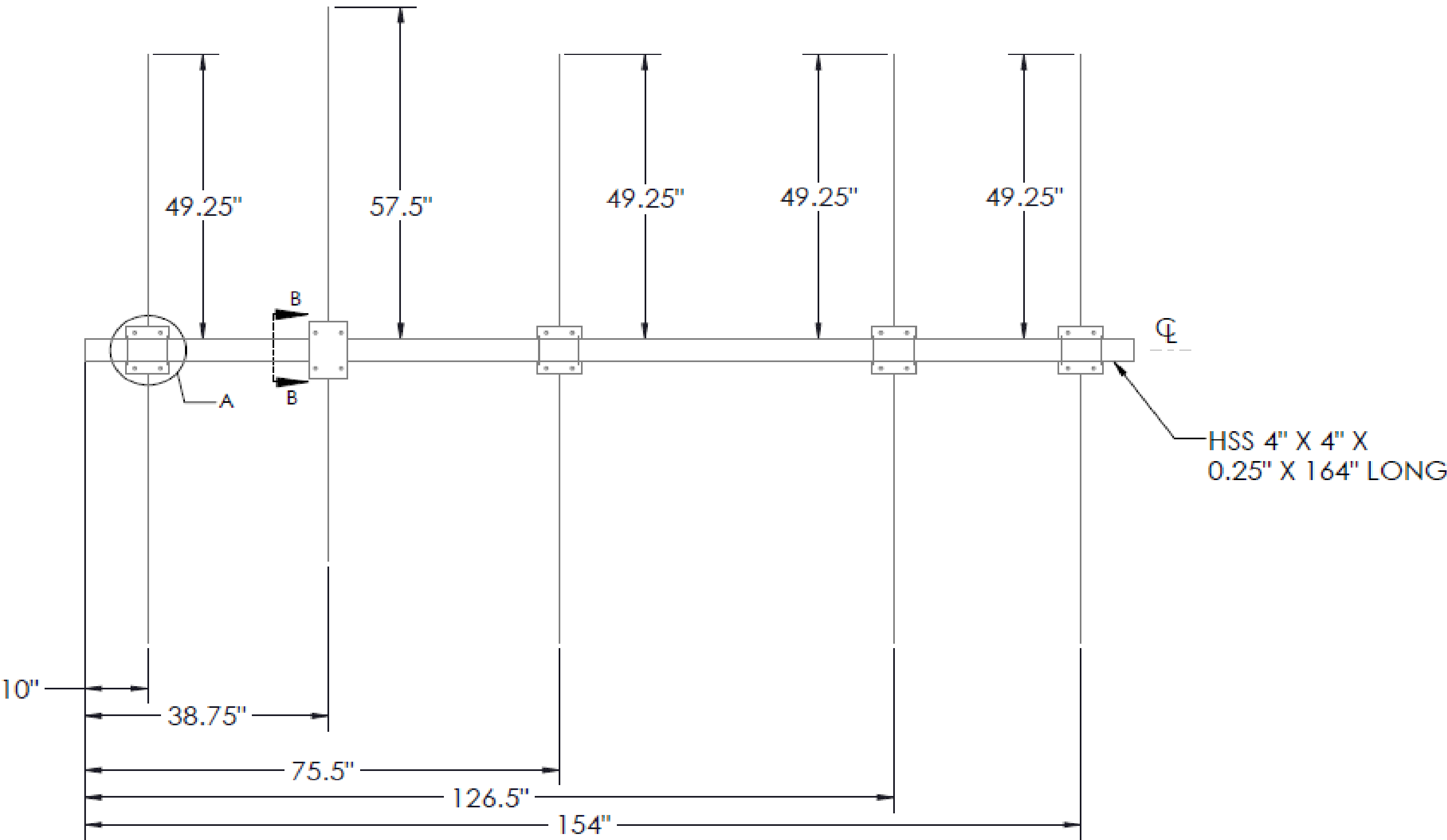
FCC #

UNKNOWN

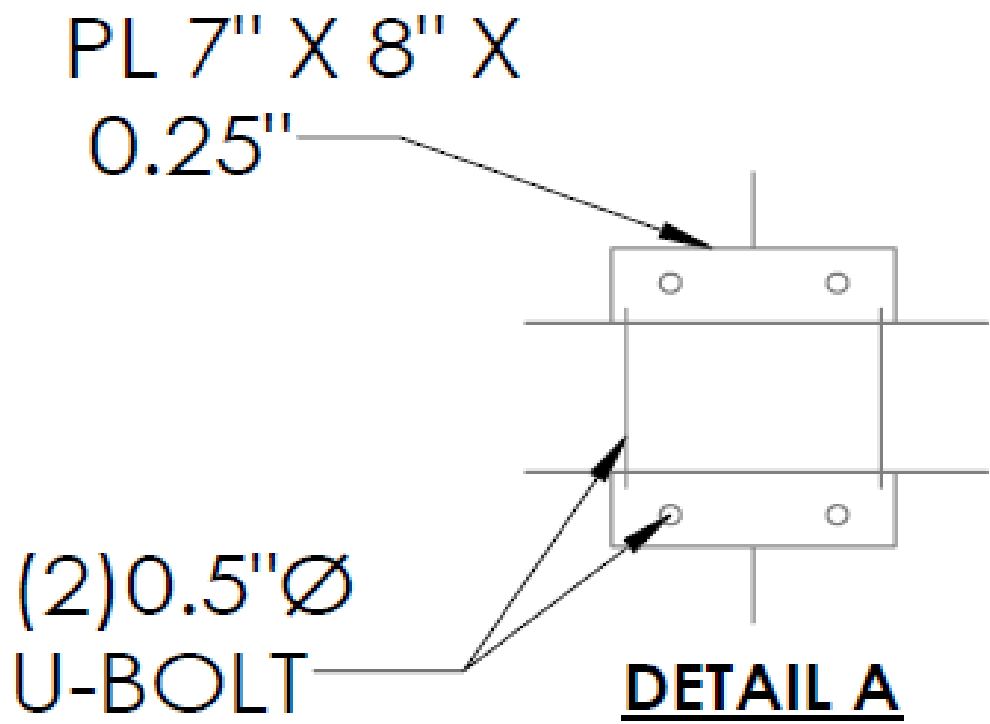
Tower Owner:	CROWN CASTLE	Mapping Date:	11/7/2021
Site Name:	CC:PLAINVILLE SOUTH WASHINGTON STREET,VZW:NE SOUTH	Tower Type:	Monopole
Site Number or ID:	CC:857012	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	108.2

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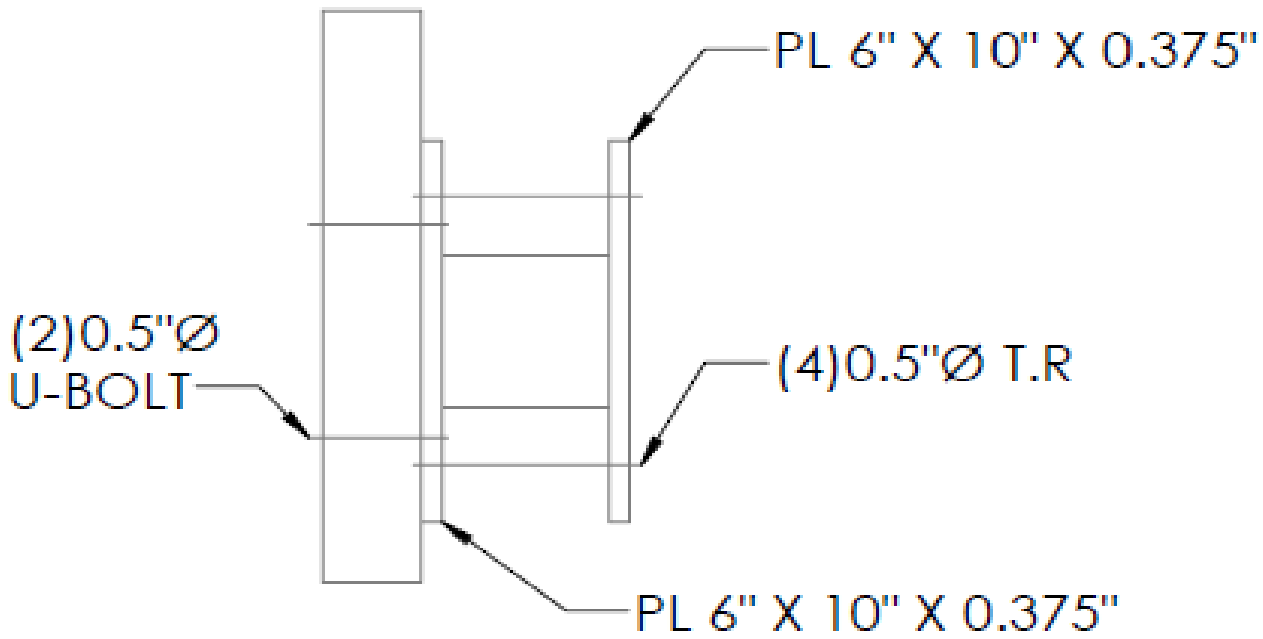
Please Insert Sketches of the Antenna Mount



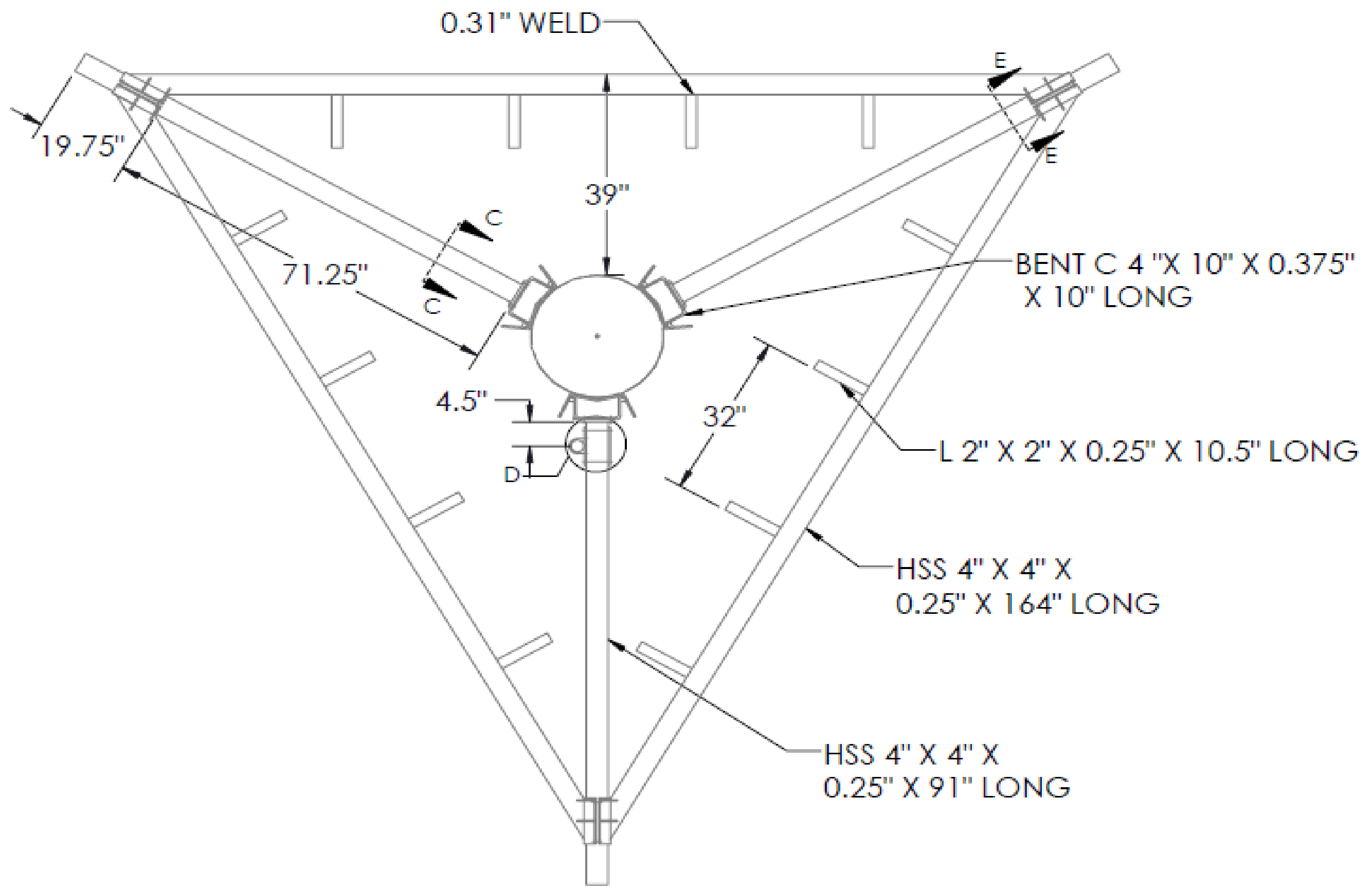
SECTOR A,B & C



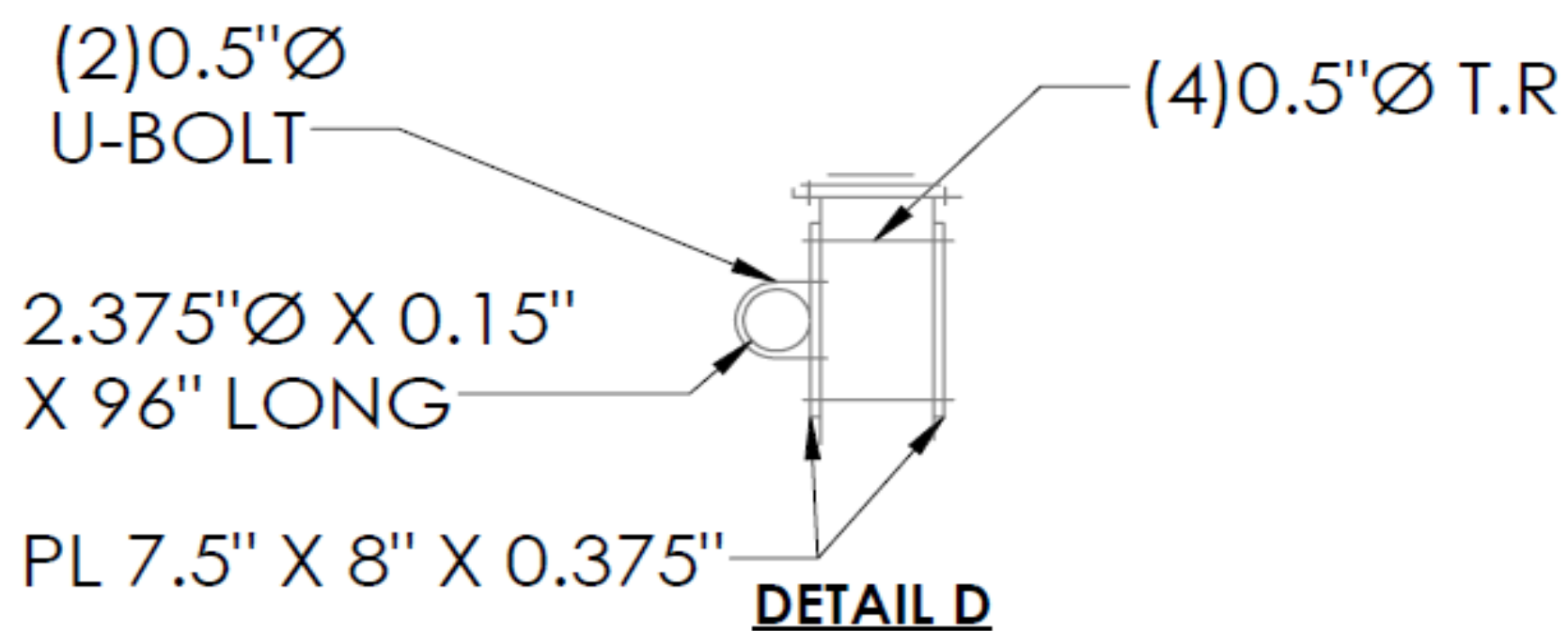
DETAIL A

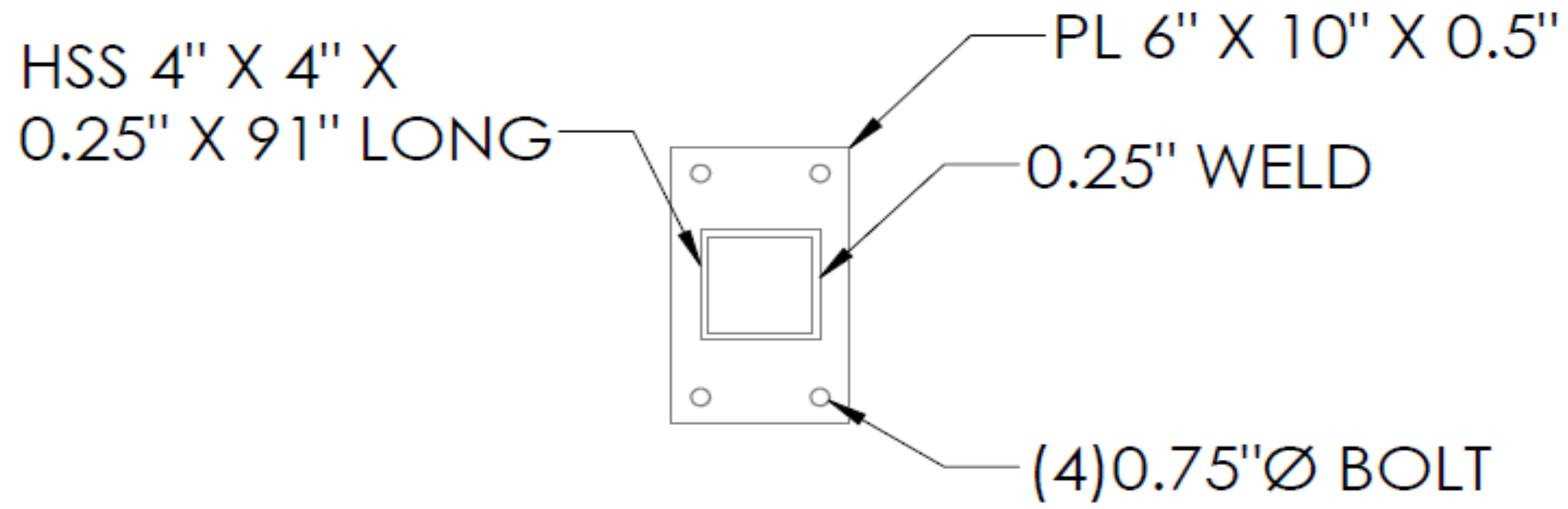


SECTION B-B

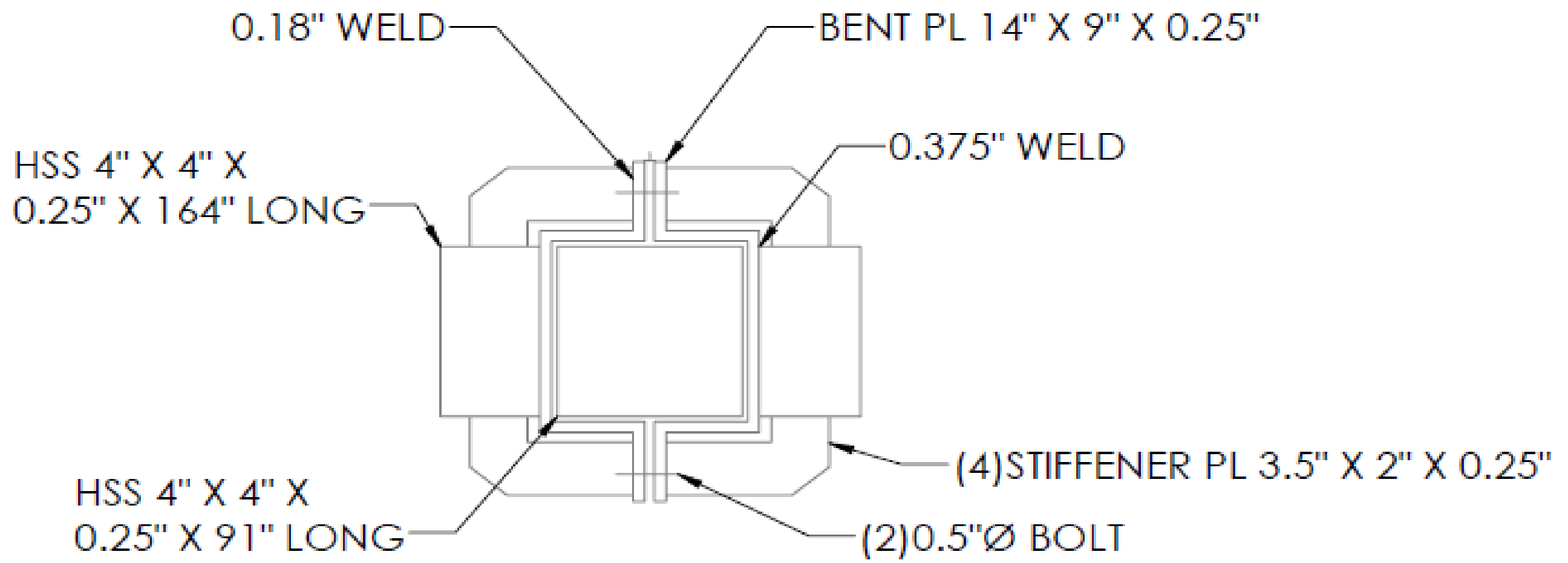


MOUNT VIEW

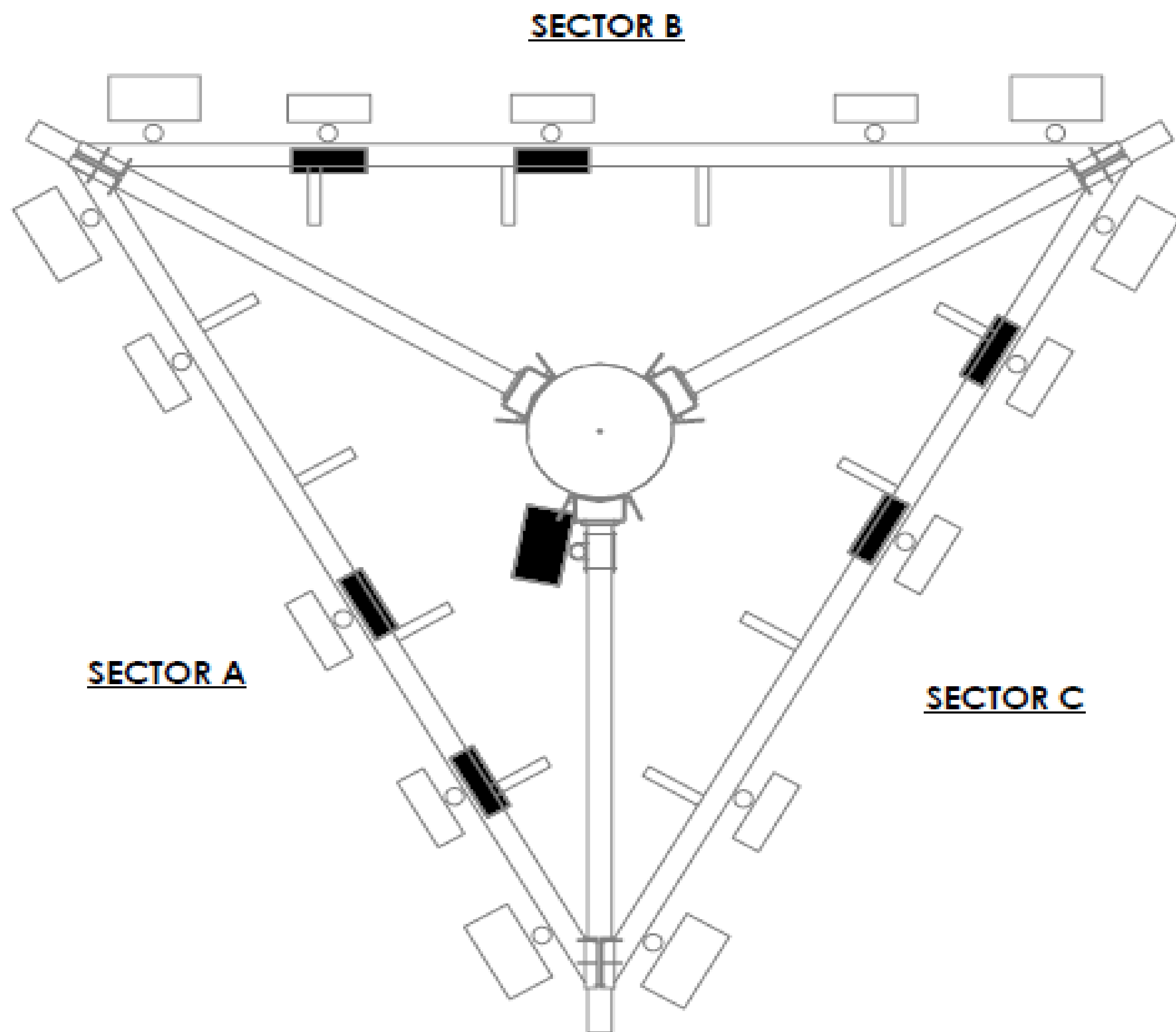




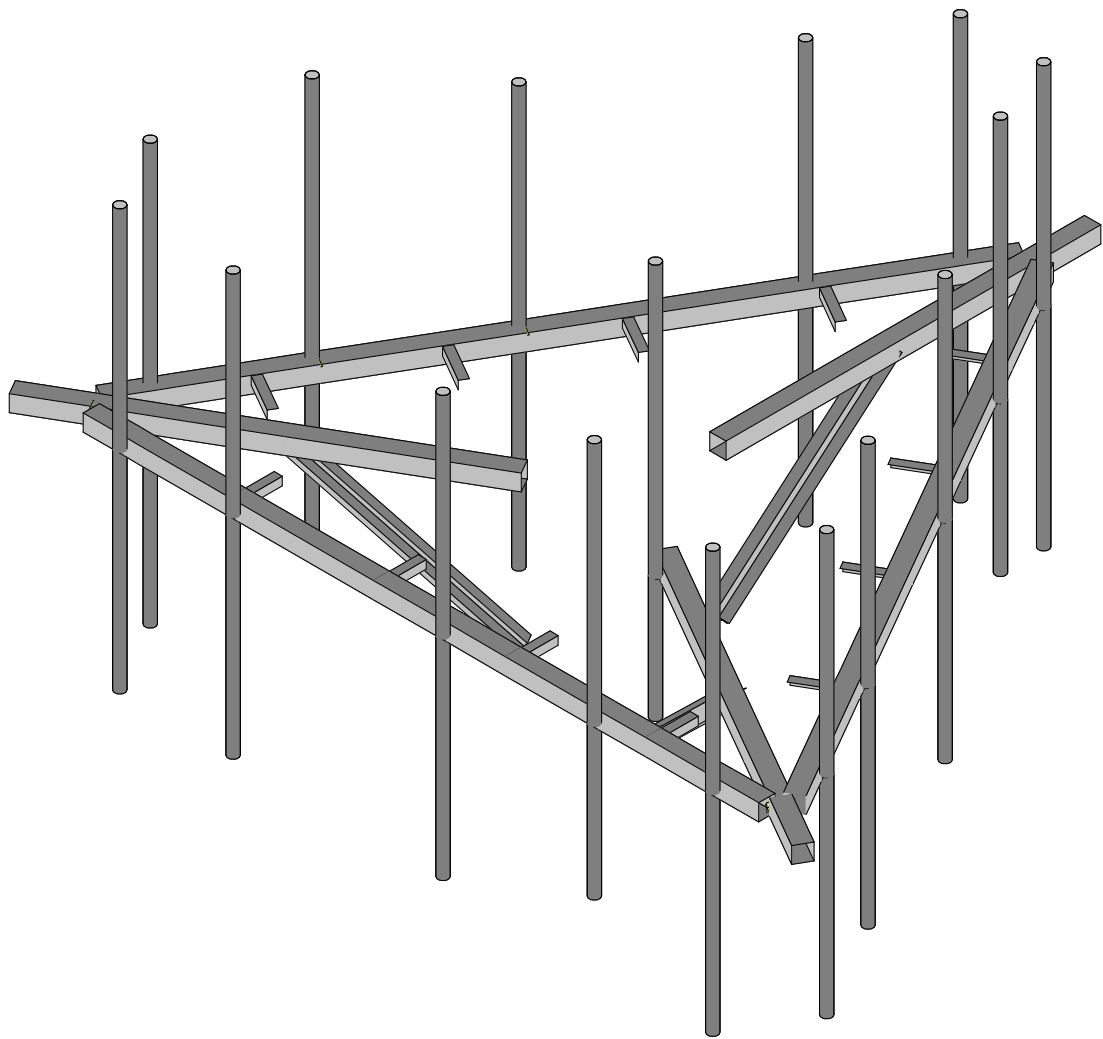
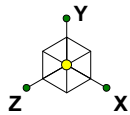
SECTION C-C



SECTION E-E



ANTENNA PLAN VIEW

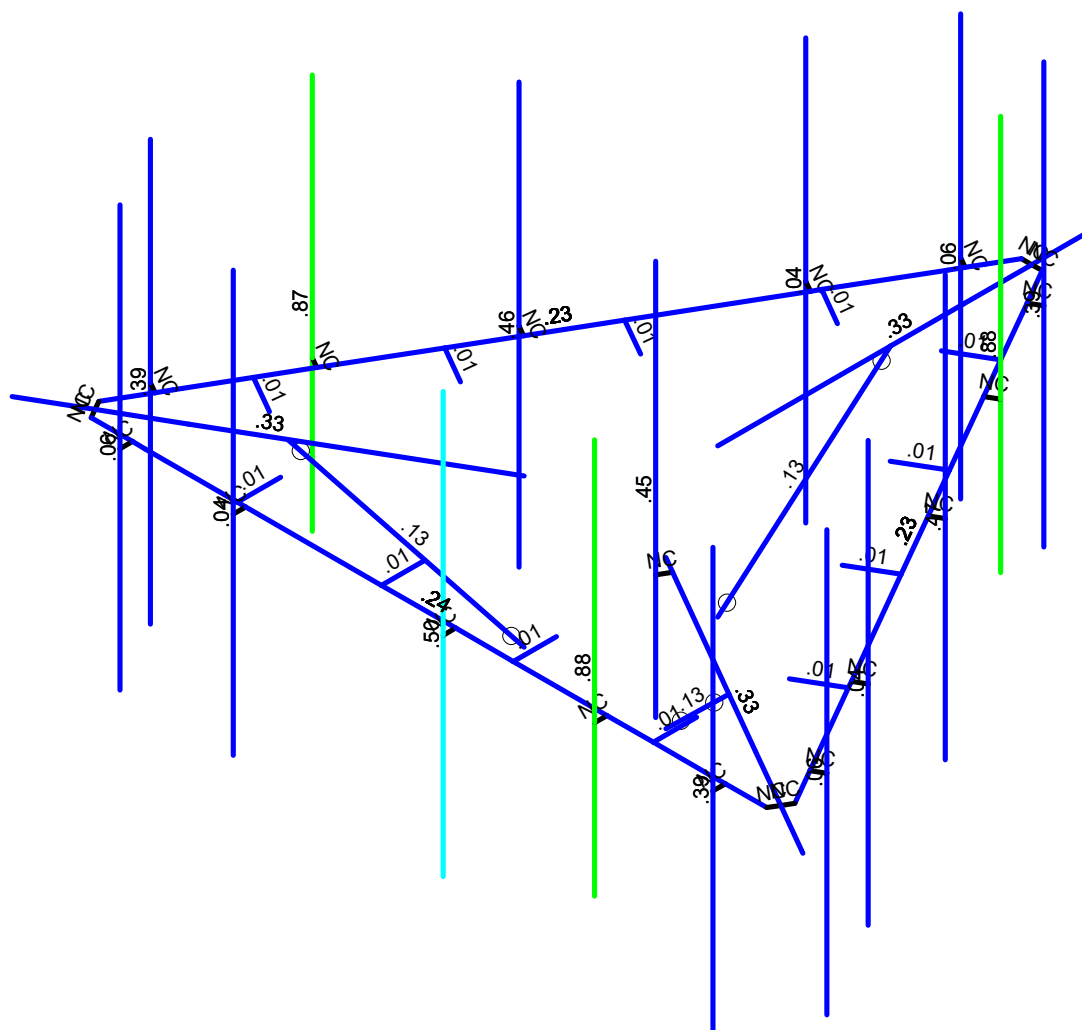
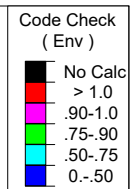


Envelope Only Solution

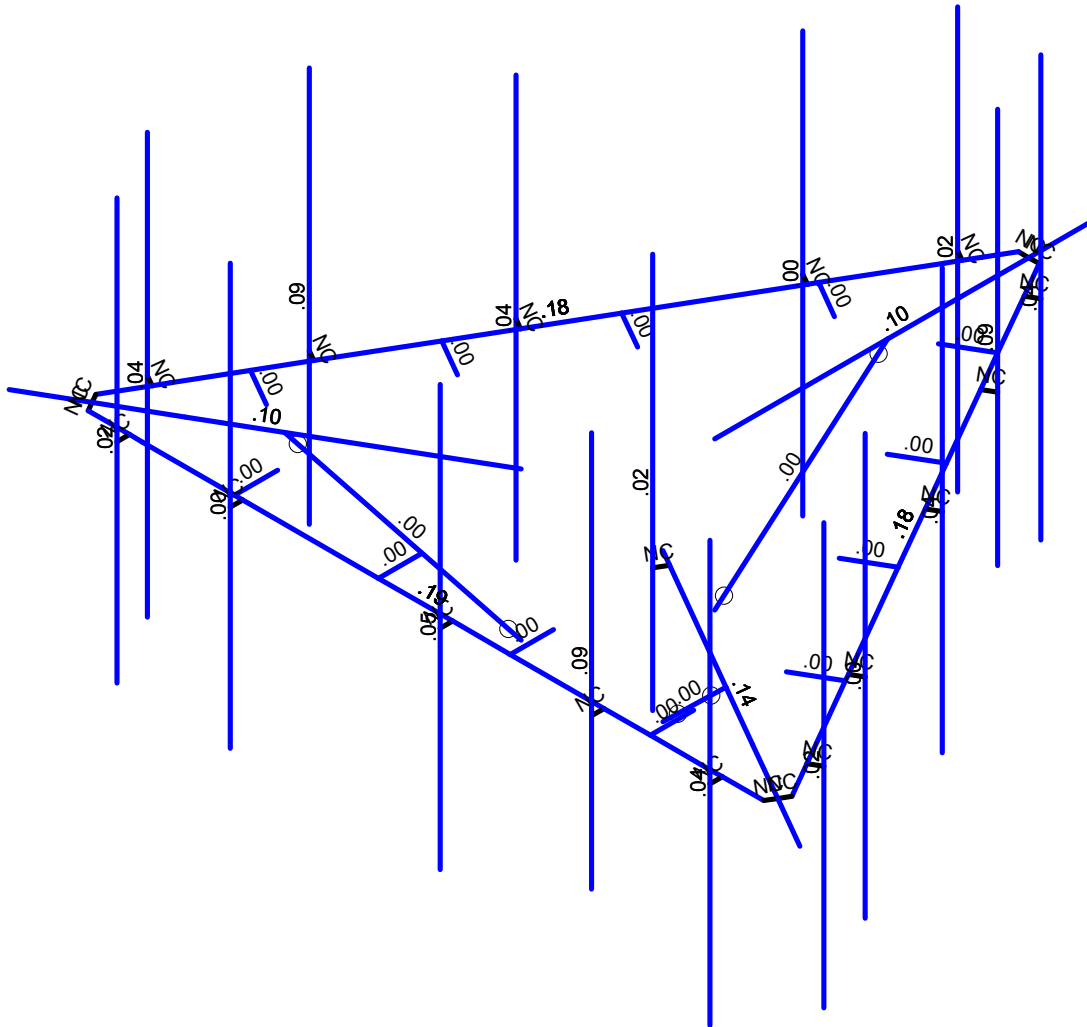
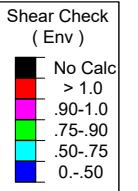
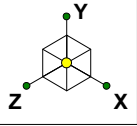
SK - 1

Nov 29, 2021 at 4:10 PM

467808-VZW_MT_LO_H.r3d



467808-VZW_MT_LO_H.r3d

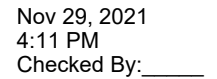


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		Nov 29, 2021 at 4:11 PM
		467808-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					102		
2	Antenna Di	None					102		
3	Antenna Wo (0 Deg)	None					102		
4	Antenna Wo (30 Deg)	None					102		
5	Antenna Wo (60 Deg)	None					102		
6	Antenna Wo (90 Deg)	None					102		
7	Antenna Wo (120 Deg)	None					102		
8	Antenna Wo (150 Deg)	None					102		
9	Antenna Wo (180 Deg)	None					102		
10	Antenna Wo (210 Deg)	None					102		
11	Antenna Wo (240 Deg)	None					102		
12	Antenna Wo (270 Deg)	None					102		
13	Antenna Wo (300 Deg)	None					102		
14	Antenna Wo (330 Deg)	None					102		
15	Antenna Wi (0 Deg)	None					102		
16	Antenna Wi (30 Deg)	None					102		
17	Antenna Wi (60 Deg)	None					102		
18	Antenna Wi (90 Deg)	None					102		
19	Antenna Wi (120 Deg)	None					102		
20	Antenna Wi (150 Deg)	None					102		
21	Antenna Wi (180 Deg)	None					102		
22	Antenna Wi (210 Deg)	None					102		
23	Antenna Wi (240 Deg)	None					102		
24	Antenna Wi (270 Deg)	None					102		
25	Antenna Wi (300 Deg)	None					102		
26	Antenna Wi (330 Deg)	None					102		
27	Antenna Wm (0 Deg)	None					102		
28	Antenna Wm (30 Deg)	None					102		
29	Antenna Wm (60 Deg)	None					102		
30	Antenna Wm (90 Deg)	None					102		
31	Antenna Wm (120 Deg)	None					102		
32	Antenna Wm (150 Deg)	None					102		
33	Antenna Wm (180 Deg)	None					102		
34	Antenna Wm (210 Deg)	None					102		
35	Antenna Wm (240 Deg)	None					102		
36	Antenna Wm (270 Deg)	None					102		
37	Antenna Wm (300 Deg)	None					102		
38	Antenna Wm (330 Deg)	None					102		
39	Structure D	None		-1					3
40	Structure Di	None						37	3
41	Structure Wo (0 Deg)	None						74	
42	Structure Wo (30 Deg)	None						74	
43	Structure Wo (60 Deg)	None						74	
44	Structure Wo (90 Deg)	None						74	
45	Structure Wo (120 D...	None						74	
46	Structure Wo (150 D...	None						74	
47	Structure Wo (180 D...	None						74	
48	Structure Wo (210 D...	None						74	
49	Structure Wo (240 D...	None						74	
50	Structure Wo (270 D...	None						74	
51	Structure Wo (300 D...	None						74	
52	Structure Wo (330 D...	None						74	
53	Structure Wi (0 Deg)	None						74	
54	Structure Wi (30 Deg)	None						74	
55	Structure Wi (60 Deg)	None						74	
56	Structure Wi (90 Deg)	None						74	



	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						74	
58	Structure Wi (150 De...	None						74	
59	Structure Wi (180 De...	None						74	
60	Structure Wi (210 De...	None						74	
61	Structure Wi (240 De...	None						74	
62	Structure Wi (270 De...	None						74	
63	Structure Wi (300 De...	None						74	
64	Structure Wi (330 De...	None						74	
65	Structure Wm (0 Deg)	None						74	
66	Structure Wm (30 De...	None						74	
67	Structure Wm (60 De...	None						74	
68	Structure Wm (90 De...	None						74	
69	Structure Wm (120 D...	None						74	
70	Structure Wm (150 D...	None						74	
71	Structure Wm (180 D...	None						74	
72	Structure Wm (210 D...	None						74	
73	Structure Wm (240 D...	None						74	
74	Structure Wm (270 D...	None						74	
75	Structure Wm (300 D...	None						74	
76	Structure Wm (330 D...	None						74	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					102		
82	Antenna Eh (0 Deg)	None					68		
83	Antenna Eh (90 Deg)	None					68		
84	Structure Ev	ELY		-.041					
85	Structure Eh (0 Deg)	ELZ	-.102						
86	Structure Eh (90 Deg)	ELX			.102				
87	BLC 39 Transient Are...	None						24	
88	BLC 40 Transient Are...	None						24	

	Description	Solve	PDelta	S...	B...	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 De...	Yes	Y		1	1.2	39	1.2	4	1	42	1								
3	1.2D+1.0Wo (60 De...	Yes	Y		1	1.2	39	1.2	5	1	43	1								
4	1.2D+1.0Wo (90 De...	Yes	Y		1	1.2	39	1.2	6	1	44	1								
5	1.2D+1.0Wo (120 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1								
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1								
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1								
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1								
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1								
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1								
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1								
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1								
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1				
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1				

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1						
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1						
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1						
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1						
25	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1								
26	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1								
27	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1								
28	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1								
29	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1								
30	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1								
31	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1								
32	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1								
33	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1								
34	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1								
35	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1								
36	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1								
37	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1								
38	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1								
39	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1								
40	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1								
41	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1								
42	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1								
43	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1								
44	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1								
45	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1								
46	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1								
47	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1								
48	1.2D + 1.5Lm2 + 1....	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	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...			
53	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5		
54	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866		
55	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1		
56	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866		
57	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5		
58	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...			
59	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5		
60	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866		
61	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1		
62	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866		
63	1.2D + 1.0Ev + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5		
64	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...			
65	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5		
66	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866		
67	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1		
68	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866		
69	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5		
70	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...			
71	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5		
72	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866		
73	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1		
74	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866		
75	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5		

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	-0.833333	0	
2	N115	6	0	3.354167	0	
3	N116	6	0	3.604167	0	
4	N117	6	4.270833	3.604167	0	
5	N118	6	-4.229167	3.604167	0	
6	N16	6.833333	0	3.354167	0	
7	N17	-6.833333	0	3.354167	0	
8	N26	0.	0	-2.488914	0	
9	N27	0.	0	-10.072247	0	
10	N88A	-3.875	0	3.354167	0	
11	N89	-3.875	0	2.479167	0	
12	N90	-0.958333	0	3.354167	0	
13	N91	-0.958333	0	2.479167	0	
14	N92	1.708333	0	3.354167	0	
15	N93	1.708333	0	2.479167	0	
16	N94	4.541667	0	3.354167	0	
17	N95	4.541667	0	2.479167	0	
18	N28	0.209815	0	-8.844924	0	
19	N29A	7.043148	0	2.990757	0	
20	N31	-7.043148	0	2.990757	0	
21	N32	-0.209815	0	-8.844924	0	
22	N31A	6.938241	0	3.172462	0	
23	N35	-0.	0	-8.844924	0	
24	N39	-6.938241	0	3.172462	0	
25	N37A	4.105648	0	-2.097142	0	
26	N38A	3.347876	0	-1.659642	0	
27	N39A	2.772315	0	-4.406543	0	
28	N40	2.014542	0	-3.969043	0	
29	N46	-3.147315	0	-3.757024	0	
30	N47	-2.389542	0	-3.319524	0	
31	N48	-4.480648	0	-1.447623	0	
32	N49	-3.722876	0	-1.010123	0	
33	N44A	-1.433775	0	-0.005543	0	
34	N45A	-8.001134	0	3.786124	0	
35	N47A	1.433775	0	-0.005543	0	
36	N48A	8.001134	0	3.786124	0	
37	N47B	3.604167	0	3.354167	0	
38	N48B	3.604167	0	3.604167	0	
39	N49A	3.604167	4.958333	3.604167	0	
40	N50A	3.604167	-3.041667	3.604167	0	
41	N51A	0.541667	0	3.354167	0	
42	N52	0.541667	0	3.604167	0	
43	N53	0.541667	4.270833	3.604167	0	
44	N54	0.541667	-4.229167	3.604167	0	
45	N55	-3.708333	0	3.354167	0	
46	N56	-3.708333	0	3.604167	0	
47	N57	-3.708333	4.270833	3.604167	0	
48	N58	-3.708333	-4.229167	3.604167	0	
49	N59	-6	0	3.354167	0	
50	N60	-6	0	3.604167	0	
51	N61	-6	4.270833	3.604167	0	
52	N62	-6	-4.229167	3.604167	0	
53	N56A	5.563981	0	0.428765	0	
54	N57A	4.806209	0	0.866265	0	
55	N58A	1.355648	0	-6.860282	0	
56	N59A	0.597876	0	-6.422782	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N61A	-1.688981	0	-6.282932	0	
58	N62A	-0.931209	0	-5.845432	0	
59	N63	-5.897315	0	1.006115	0	
60	N64	-5.139542	0	1.443615	0	
61	N64A	0.626481	0	-8.123236	0	
62	N65	0.842988	0	-8.248236	0	
63	N66	0.842988	4.270833	-8.248236	0	
64	N67	0.842988	-4.229167	-8.248236	0	
65	N68	1.824398	0	-6.048383	0	
66	N69	2.040904	0	-6.173383	0	
67	N70	2.040904	4.958333	-6.173383	0	
68	N71	2.040904	-3.041667	-6.173383	0	
69	N72	3.355648	0	-3.39618	0	
70	N73	3.572154	0	-3.52118	0	
71	N74	3.572154	4.270833	-3.52118	0	
72	N75	3.572154	-4.229167	-3.52118	0	
73	N76	5.480648	0	0.284428	0	
74	N77	5.697154	0	0.159428	0	
75	N78	5.697154	4.270833	0.159428	0	
76	N79	5.697154	-4.229167	0.159428	0	
77	N80	6.626481	0	2.269069	0	
78	N81	6.842988	0	2.144069	0	
79	N82	6.842988	4.270833	2.144069	0	
80	N83	6.842988	-4.229167	2.144069	0	
81	N85	-6.626481	0	2.269069	0	
82	N86	-6.842988	0	2.144069	0	
83	N87	-6.842988	4.270833	2.144069	0	
84	N88	-6.842988	-4.229167	2.144069	0	
85	N89A	-5.428565	0	0.194217	0	
86	N90A	-5.645071	0	0.069217	0	
87	N91A	-5.645071	4.958333	0.069217	0	
88	N92A	-5.645071	-3.041667	0.069217	0	
89	N93A	-3.897315	0	-2.457986	0	
90	N94A	-4.113821	0	-2.582986	0	
91	N95A	-4.113821	4.270833	-2.582986	0	
92	N96	-4.113821	-4.229167	-2.582986	0	
93	N97	-1.772315	0	-6.138594	0	
94	N98	-1.988821	0	-6.263594	0	
95	N99	-1.988821	4.270833	-6.263594	0	
96	N100	-1.988821	-4.229167	-6.263594	0	
97	N101	-0.626481	0	-8.123236	0	
98	N102	-0.842988	0	-8.248236	0	
99	N103	-0.842988	4.270833	-8.248236	0	
100	N104	-0.842988	-4.229167	-8.248236	0	
101	N103A	1.758534	0	0.181957	0	
102	N104A	1.633534	0	0.398463	0	
103	N105	1.633534	5.5	0.398463	0	
104	N106	1.633534	-2.5	0.398463	0	
105	N107	-5.737418	0	2.479167	0	
106	N108	5.737418	0	2.479167	0	
107	N111	0.	0	-7.458333	0	
108	N110	-5.737418	0	3.354167	0	
109	N111A	5.737418	0	3.354167	0	
110	N113	6.495191	0	2.041667	0	
111	N114	0.757772	0	-7.895833	0	
112	N116A	-0.757772	0	-7.895833	0	
113	N117A	-6.495191	0	2.041667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N114A	0.	0	-5.988914	0	
115	N115A	0.	-3	-2.488914	0	
116	N117B	-4.464864	0	1.744457	0	
117	N118A	-1.433775	-3	-0.005543	0	
118	N120	4.464864	0	1.744457	0	
119	N121	1.433775	-3	-0.005543	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	HSS4X4X4	Beam	Tube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
3	Standoff Horizontal	HSS4X4X4	Beam	Tube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
4	Grating Support	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
5	Kicker	LL3x3x3x3	Column	Double Angle (3...	A36 Gr.36	Typical	2.18	4.09	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M107	N116	N115			RIGID	None	None	RIGID	Typical
2	MP1A	N117	N118			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
3	M7	N17	N16			Face Horizontal	Beam	Tube	A500 Gr. ...	Typical
4	M17	N27	N26			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
5	M48	N88A	N89		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
6	M49	N90	N91		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
7	M50	N92	N93		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M51	N94	N95		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M12	N29A	N28			Face Horizontal	Beam	Tube	A500 Gr. ...	Typical
10	M13	N32	N31			Face Horizontal	Beam	Tube	A500 Gr. ...	Typical
11	M14	N31A	N16			RIGID	None	None	RIGID	Typical
12	M15	N31A	N29A			RIGID	None	None	RIGID	Typical
13	M16A	N35	N28			RIGID	None	None	RIGID	Typical
14	M17A	N35	N32			RIGID	None	None	RIGID	Typical
15	M18A	N39	N31			RIGID	None	None	RIGID	Typical
16	M19	N39	N17			RIGID	None	None	RIGID	Typical
17	M21	N37A	N38A		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M22	N39A	N40		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
19	M25	N46	N47		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
20	M26	N48	N49		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
21	M26A	N45A	N44A			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
22	M27A	N48A	N47A			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
23	M28	N48B	N47B			RIGID	None	None	RIGID	Typical
24	MP2A	N49A	N50A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
25	M30	N52	N51A			RIGID	None	None	RIGID	Typical
26	MP3A	N53	N54			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
27	M32	N56	N55			RIGID	None	None	RIGID	Typical
28	MP4A	N57	N58			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
29	M34	N60	N59			RIGID	None	None	RIGID	Typical
30	MP5A	N61	N62			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
31	M32A	N56A	N57A		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M33A	N58A	N59A		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M34A	N61A	N62A		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
34	M35A	N63	N64		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
35	M36	N65	N64A			RIGID	None	None	RIGID	Typical
36	MP1C	N66	N67			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
37	M38	N69	N68			RIGID	None	None	RIGID	Typical
38	MP2C	N70	N71			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
39	M40	N73	N72			RIGID	None	None	RIGID	Typical
40	MP3C	N74	N75			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
41	M42	N77	N76			RIGID	None	None	RIGID	Typical
42	MP4C	N78	N79			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
43	M44	N81	N80			RIGID	None	None	RIGID	Typical
44	MP5C	N82	N83			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
45	M46	N86	N85			RIGID	None	None	RIGID	Typical
46	MP1B	N87	N88			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
47	M48A	N90A	N89A			RIGID	None	None	RIGID	Typical
48	MP2B	N91A	N92A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
49	M50A	N94A	N93A			RIGID	None	None	RIGID	Typical
50	MP3B	N95A	N96			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
51	M52	N98	N97			RIGID	None	None	RIGID	Typical
52	MP4B	N99	N100			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
53	M54	N102	N101			RIGID	None	None	RIGID	Typical
54	MP5B	N103	N104			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
55	M56	N103A	N104A			RIGID	None	None	RIGID	Typical
56	M57	N105	N106			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
57	M57A	N114A	N115A			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
58	M58	N117B	N118A			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
59	M59	N120	N121			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M107						Yes	** NA **			None
2	MP1A						Yes	** NA **			None
3	M7						Yes				None
4	M17						Yes				None
5	M48						Yes				None
6	M49						Yes				None
7	M50						Yes				None
8	M51						Yes				None
9	M12						Yes				None
10	M13						Yes				None
11	M14						Yes	** NA **			None
12	M15						Yes	** NA **			None
13	M16A						Yes	** NA **			None
14	M17A						Yes	** NA **			None
15	M18A						Yes	** NA **			None
16	M19						Yes	** NA **			None
17	M21						Yes				None
18	M22						Yes				None
19	M25						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
20	M26						Yes				None
21	M26A						Yes				None
22	M27A						Yes				None
23	M28						Yes	** NA **			None
24	MP2A						Yes	** NA **			None
25	M30						Yes	** NA **			None
26	MP3A						Yes	** NA **			None
27	M32						Yes	** NA **			None
28	MP4A						Yes	** NA **			None
29	M34						Yes	** NA **			None
30	MP5A						Yes	** NA **			None
31	M32A						Yes				None
32	M33A						Yes				None
33	M34A						Yes				None
34	M35A						Yes				None
35	M36						Yes	** NA **			None
36	MP1C						Yes	** NA **			None
37	M38						Yes	** NA **			None
38	MP2C						Yes	** NA **			None
39	M40						Yes	** NA **			None
40	MP3C						Yes	** NA **			None
41	M42						Yes	** NA **			None
42	MP4C						Yes	** NA **			None
43	M44						Yes	** NA **			None
44	MP5C						Yes	** NA **			None
45	M46						Yes	** NA **			None
46	MP1B						Yes	** NA **			None
47	M48A						Yes	** NA **			None
48	MP2B						Yes	** NA **			None
49	M50A						Yes	** NA **			None
50	MP3B						Yes	** NA **			None
51	M52						Yes	** NA **			None
52	MP4B						Yes	** NA **			None
53	M54						Yes	** NA **			None
54	MP5B						Yes	** NA **			None
55	M56						Yes	** NA **			None
56	M57						Yes	** NA **			None
57	M57A	BenPIN	BenPIN				Yes	** NA **			None
58	M58	BenPIN	BenPIN				Yes	** NA **			None
59	M59	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	.25
2	MP1A	My	-.022	.25
3	MP1A	Mz	0	.25
4	MP1A	Y	-43.55	1.75
5	MP1A	My	-.022	1.75
6	MP1A	Mz	0	1.75
7	MP1B	Y	-43.55	.25
8	MP1B	My	.007	.25
9	MP1B	Mz	-.02	.25
10	MP1B	Y	-43.55	1.75
11	MP1B	My	.007	1.75
12	MP1B	Mz	-.02	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
13	MP1C	Y	-43.55	.25
14	MP1C	My	.011	.25
15	MP1C	Mz	.019	.25
16	MP1C	Y	-43.55	1.75
17	MP1C	My	.011	1.75
18	MP1C	Mz	.019	1.75
19	MP2A	Y	-84.4	2.5
20	MP2A	My	.042	2.5
21	MP2A	Mz	0	2.5
22	MP2B	Y	-84.4	2.5
23	MP2B	My	-.014	2.5
24	MP2B	Mz	.04	2.5
25	MP2C	Y	-84.4	2.5
26	MP2C	My	-.021	2.5
27	MP2C	Mz	-.037	2.5
28	MP3A	Y	-70.3	2
29	MP3A	My	.035	2
30	MP3A	Mz	0	2
31	MP3B	Y	-70.3	2
32	MP3B	My	-.012	2
33	MP3B	Mz	.033	2
34	MP3C	Y	-70.3	2
35	MP3C	My	-.018	2
36	MP3C	Mz	-.03	2
37	MP5A	Y	-23.1	4.5
38	MP5A	My	-.012	4.5
39	MP5A	Mz	0	4.5
40	MP5B	Y	-23.1	4.5
41	MP5B	My	.004	4.5
42	MP5B	Mz	-.011	4.5
43	MP5C	Y	-23.1	4.5
44	MP5C	My	.006	4.5
45	MP5C	Mz	.01	4.5
46	MP2A	Y	-20	.75
47	MP2A	My	-.01	.75
48	MP2A	Mz	.012	.75
49	MP2A	Y	-20	5.25
50	MP2A	My	-.01	5.25
51	MP2A	Mz	.012	5.25
52	MP2B	Y	-20	.75
53	MP2B	My	-.008	.75
54	MP2B	Mz	-.013	.75
55	MP2B	Y	-20	5.25
56	MP2B	My	-.008	5.25
57	MP2B	Mz	-.013	5.25
58	MP2C	Y	-20	.75
59	MP2C	My	.015	.75
60	MP2C	Mz	.003	.75
61	MP2C	Y	-20	5.25
62	MP2C	My	.015	5.25
63	MP2C	Mz	.003	5.25
64	MP2A	Y	-20	.75
65	MP2A	My	-.01	.75
66	MP2A	Mz	-.012	.75
67	MP2A	Y	-20	5.25
68	MP2A	My	-.01	5.25
69	MP2A	Mz	-.012	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
70	MP2B	Y	-20	.75
71	MP2B	My	.014	.75
72	MP2B	Mz	-.005	.75
73	MP2B	Y	-20	5.25
74	MP2B	My	.014	5.25
75	MP2B	Mz	-.005	5.25
76	MP2C	Y	-20	.75
77	MP2C	My	-.005	.75
78	MP2C	Mz	.014	.75
79	MP2C	Y	-20	5.25
80	MP2C	My	-.005	5.25
81	MP2C	Mz	.014	5.25
82	MP3B	Y	-8.5	.25
83	MP3B	My	.001	.25
84	MP3B	Mz	-.004	.25
85	MP3B	Y	-8.5	4.75
86	MP3B	My	.001	4.75
87	MP3B	Mz	-.004	4.75
88	MP3C	Y	-8.5	.25
89	MP3C	My	.002	.25
90	MP3C	Mz	.004	.25
91	MP3C	Y	-8.5	4.75
92	MP3C	My	.002	4.75
93	MP3C	Mz	.004	4.75
94	MP3A	Y	-28.3	.25
95	MP3A	My	-.014	.25
96	MP3A	Mz	0	.25
97	MP3A	Y	-28.3	4.75
98	MP3A	My	-.014	4.75
99	MP3A	Mz	0	4.75
100	M57	Y	-32	1
101	M57	My	0	1
102	M57	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	Y	-55.031	.25
2	MP1A	My	-.028	.25
3	MP1A	Mz	0	.25
4	MP1A	Y	-55.031	1.75
5	MP1A	My	-.028	1.75
6	MP1A	Mz	0	1.75
7	MP1B	Y	-55.031	.25
8	MP1B	My	.009	.25
9	MP1B	Mz	-.026	.25
10	MP1B	Y	-55.031	1.75
11	MP1B	My	.009	1.75
12	MP1B	Mz	-.026	1.75
13	MP1C	Y	-55.031	.25
14	MP1C	My	.014	.25
15	MP1C	Mz	.024	.25
16	MP1C	Y	-55.031	1.75
17	MP1C	My	.014	1.75
18	MP1C	Mz	.024	1.75
19	MP2A	Y	-69.906	2.5
20	MP2A	My	.035	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
21	MP2A	Mz	0	2.5
22	MP2B	Y	-69.906	2.5
23	MP2B	My	-.012	2.5
24	MP2B	Mz	.033	2.5
25	MP2C	Y	-69.906	2.5
26	MP2C	My	-.017	2.5
27	MP2C	Mz	-.03	2.5
28	MP3A	Y	-63.1	2
29	MP3A	My	.032	2
30	MP3A	Mz	0	2
31	MP3B	Y	-63.1	2
32	MP3B	My	-.011	2
33	MP3B	Mz	.03	2
34	MP3C	Y	-63.1	2
35	MP3C	My	-.016	2
36	MP3C	Mz	-.027	2
37	MP5A	Y	-47.216	4.5
38	MP5A	My	-.024	4.5
39	MP5A	Mz	0	4.5
40	MP5B	Y	-47.216	4.5
41	MP5B	My	.008	4.5
42	MP5B	Mz	-.022	4.5
43	MP5C	Y	-47.216	4.5
44	MP5C	My	.012	4.5
45	MP5C	Mz	.02	4.5
46	MP2A	Y	-93.967	.75
47	MP2A	My	-.047	.75
48	MP2A	Mz	.055	.75
49	MP2A	Y	-93.967	5.25
50	MP2A	My	-.047	5.25
51	MP2A	Mz	.055	5.25
52	MP2B	Y	-93.967	.75
53	MP2B	My	-.035	.75
54	MP2B	Mz	-.063	.75
55	MP2B	Y	-93.967	5.25
56	MP2B	My	-.035	5.25
57	MP2B	Mz	-.063	5.25
58	MP2C	Y	-93.967	.75
59	MP2C	My	.071	.75
60	MP2C	Mz	.013	.75
61	MP2C	Y	-93.967	5.25
62	MP2C	My	.071	5.25
63	MP2C	Mz	.013	5.25
64	MP2A	Y	-93.967	.75
65	MP2A	My	-.047	.75
66	MP2A	Mz	-.055	.75
67	MP2A	Y	-93.967	5.25
68	MP2A	My	-.047	5.25
69	MP2A	Mz	-.055	5.25
70	MP2B	Y	-93.967	.75
71	MP2B	My	.068	.75
72	MP2B	Mz	-.025	.75
73	MP2B	Y	-93.967	5.25
74	MP2B	My	.068	5.25
75	MP2B	Mz	-.025	5.25
76	MP2C	Y	-93.967	.75
77	MP2C	My	-.024	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mz	.068	.75
79	MP2C	Y	-93.967	5.25
80	MP2C	My	-.024	5.25
81	MP2C	Mz	.068	5.25
82	MP3B	Y	-80.124	.25
83	MP3B	My	.014	.25
84	MP3B	Mz	-.038	.25
85	MP3B	Y	-80.124	4.75
86	MP3B	My	.014	4.75
87	MP3B	Mz	-.038	4.75
88	MP3C	Y	-80.124	.25
89	MP3C	My	.02	.25
90	MP3C	Mz	.035	.25
91	MP3C	Y	-80.124	4.75
92	MP3C	My	.02	4.75
93	MP3C	Mz	.035	4.75
94	MP3A	Y	-91.517	.25
95	MP3A	My	-.046	.25
96	MP3A	Mz	0	.25
97	MP3A	Y	-91.517	4.75
98	MP3A	My	-.046	4.75
99	MP3A	Mz	0	4.75
100	M57	Y	-134.708	1
101	M57	My	0	1
102	M57	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.25
2	MP1A	Z	-90.376	.25
3	MP1A	Mx	0	.25
4	MP1A	X	0	1.75
5	MP1A	Z	-90.376	1.75
6	MP1A	Mx	0	1.75
7	MP1B	X	0	.25
8	MP1B	Z	-41.815	.25
9	MP1B	Mx	.02	.25
10	MP1B	X	0	1.75
11	MP1B	Z	-41.815	1.75
12	MP1B	Mx	.02	1.75
13	MP1C	X	0	.25
14	MP1C	Z	-49.131	.25
15	MP1C	Mx	-.021	.25
16	MP1C	X	0	1.75
17	MP1C	Z	-49.131	1.75
18	MP1C	Mx	-.021	1.75
19	MP2A	X	0	2.5
20	MP2A	Z	-71.916	2.5
21	MP2A	Mx	0	2.5
22	MP2B	X	0	2.5
23	MP2B	Z	-50.862	2.5
24	MP2B	Mx	-.024	2.5
25	MP2C	X	0	2.5
26	MP2C	Z	-54.033	2.5
27	MP2C	Mx	.023	2.5
28	MP3A	X	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
29	MP3A	Z	-71.916	2
30	MP3A	Mx	0	2
31	MP3B	X	0	2
32	MP3B	Z	-42.796	2
33	MP3B	Mx	-.02	2
34	MP3C	X	0	2
35	MP3C	Z	-47.183	2
36	MP3C	Mx	.02	2
37	MP5A	X	0	4.5
38	MP5A	Z	-59.225	4.5
39	MP5A	Mx	0	4.5
40	MP5B	X	0	4.5
41	MP5B	Z	-32.559	4.5
42	MP5B	Mx	.015	4.5
43	MP5C	X	0	4.5
44	MP5C	Z	-36.576	4.5
45	MP5C	Mx	-.016	4.5
46	MP2A	X	0	.75
47	MP2A	Z	-156.909	.75
48	MP2A	Mx	-.092	.75
49	MP2A	X	0	5.25
50	MP2A	Z	-156.909	5.25
51	MP2A	Mx	-.092	5.25
52	MP2B	X	0	.75
53	MP2B	Z	-109.981	.75
54	MP2B	Mx	.074	.75
55	MP2B	X	0	5.25
56	MP2B	Z	-109.981	5.25
57	MP2B	Mx	.074	5.25
58	MP2C	X	0	.75
59	MP2C	Z	-117.051	.75
60	MP2C	Mx	-.017	.75
61	MP2C	X	0	5.25
62	MP2C	Z	-117.051	5.25
63	MP2C	Mx	-.017	5.25
64	MP2A	X	0	.75
65	MP2A	Z	-156.909	.75
66	MP2A	Mx	.092	.75
67	MP2A	X	0	5.25
68	MP2A	Z	-156.909	5.25
69	MP2A	Mx	.092	5.25
70	MP2B	X	0	.75
71	MP2B	Z	-109.981	.75
72	MP2B	Mx	.03	.75
73	MP2B	X	0	5.25
74	MP2B	Z	-109.981	5.25
75	MP2B	Mx	.03	5.25
76	MP2C	X	0	.75
77	MP2C	Z	-117.051	.75
78	MP2C	Mx	-.085	.75
79	MP2C	X	0	5.25
80	MP2C	Z	-117.051	5.25
81	MP2C	Mx	-.085	5.25
82	MP3B	X	0	.25
83	MP3B	Z	-87.631	.25
84	MP3B	Mx	.041	.25
85	MP3B	X	0	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3B	Z	-87.631	4.75
87	MP3B	Mx	.041	4.75
88	MP3C	X	0	.25
89	MP3C	Z	-96.358	.25
90	MP3C	Mx	-.042	.25
91	MP3C	X	0	4.75
92	MP3C	Z	-96.358	4.75
93	MP3C	Mx	-.042	4.75
94	MP3A	X	0	.25
95	MP3A	Z	-163.446	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	4.75
98	MP3A	Z	-163.446	4.75
99	MP3A	Mx	0	4.75
100	M57	X	0	1
101	M57	Z	-146.885	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	38.314	.25
2	MP1A	Z	-66.362	.25
3	MP1A	Mx	-.019	.25
4	MP1A	X	38.314	1.75
5	MP1A	Z	-66.362	1.75
6	MP1A	Mx	-.019	1.75
7	MP1B	X	18.52	.25
8	MP1B	Z	-32.078	.25
9	MP1B	Mx	.018	.25
10	MP1B	X	18.52	1.75
11	MP1B	Z	-32.078	1.75
12	MP1B	Mx	.018	1.75
13	MP1C	X	38.314	.25
14	MP1C	Z	-66.362	.25
15	MP1C	Mx	-.019	.25
16	MP1C	X	38.314	1.75
17	MP1C	Z	-66.362	1.75
18	MP1C	Mx	-.019	1.75
19	MP2A	X	32.978	2.5
20	MP2A	Z	-57.119	2.5
21	MP2A	Mx	.016	2.5
22	MP2B	X	24.396	2.5
23	MP2B	Z	-42.255	2.5
24	MP2B	Mx	-.024	2.5
25	MP2C	X	32.978	2.5
26	MP2C	Z	-57.119	2.5
27	MP2C	Mx	.016	2.5
28	MP3A	X	31.836	2
29	MP3A	Z	-55.142	2
30	MP3A	Mx	.016	2
31	MP3B	X	19.967	2
32	MP3B	Z	-34.583	2
33	MP3B	Mx	-.02	2
34	MP3C	X	31.836	2
35	MP3C	Z	-55.142	2
36	MP3C	Mx	.016	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
37	MP5A	X	25.838	4.5
38	MP5A	Z	-44.752	4.5
39	MP5A	Mx	-.013	4.5
40	MP5B	X	14.968	4.5
41	MP5B	Z	-25.926	4.5
42	MP5B	Mx	.015	4.5
43	MP5C	X	25.838	4.5
44	MP5C	Z	-44.752	4.5
45	MP5C	Mx	-.013	4.5
46	MP2A	X	71.811	.75
47	MP2A	Z	-124.381	.75
48	MP2A	Mx	-.108	.75
49	MP2A	X	71.811	5.25
50	MP2A	Z	-124.381	5.25
51	MP2A	Mx	-.108	5.25
52	MP2B	X	52.684	.75
53	MP2B	Z	-91.251	.75
54	MP2B	Mx	.041	.75
55	MP2B	X	52.684	5.25
56	MP2B	Z	-91.251	5.25
57	MP2B	Mx	.041	5.25
58	MP2C	X	71.811	.75
59	MP2C	Z	-124.381	.75
60	MP2C	Mx	.037	.75
61	MP2C	X	71.811	5.25
62	MP2C	Z	-124.381	5.25
63	MP2C	Mx	.037	5.25
64	MP2A	X	71.811	.75
65	MP2A	Z	-124.381	.75
66	MP2A	Mx	.037	.75
67	MP2A	X	71.811	5.25
68	MP2A	Z	-124.381	5.25
69	MP2A	Mx	.037	5.25
70	MP2B	X	52.684	.75
71	MP2B	Z	-91.251	.75
72	MP2B	Mx	.063	.75
73	MP2B	X	52.684	5.25
74	MP2B	Z	-91.251	5.25
75	MP2B	Mx	.063	5.25
76	MP2C	X	71.811	.75
77	MP2C	Z	-124.381	.75
78	MP2C	Mx	-.108	.75
79	MP2C	X	71.811	5.25
80	MP2C	Z	-124.381	5.25
81	MP2C	Mx	-.108	5.25
82	MP3B	X	40.967	.25
83	MP3B	Z	-70.957	.25
84	MP3B	Mx	.04	.25
85	MP3B	X	40.967	4.75
86	MP3B	Z	-70.957	4.75
87	MP3B	Mx	.04	4.75
88	MP3C	X	64.581	.25
89	MP3C	Z	-111.857	.25
90	MP3C	Mx	-.032	.25
91	MP3C	X	64.581	4.75
92	MP3C	Z	-111.857	4.75
93	MP3C	Mx	-.032	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3A	X	73.286	.25
95	MP3A	Z	-126.934	.25
96	MP3A	Mx	-.037	.25
97	MP3A	X	73.286	4.75
98	MP3A	Z	-126.934	4.75
99	MP3A	Mx	-.037	4.75
100	M57	X	64.189	1
101	M57	Z	-111.178	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	42.548	.25
2	MP1A	Z	-24.565	.25
3	MP1A	Mx	-.021	.25
4	MP1A	X	42.548	1.75
5	MP1A	Z	-24.565	1.75
6	MP1A	Mx	-.021	1.75
7	MP1B	X	50.32	.25
8	MP1B	Z	-29.052	.25
9	MP1B	Mx	.022	.25
10	MP1B	X	50.32	1.75
11	MP1B	Z	-29.052	1.75
12	MP1B	Mx	.022	1.75
13	MP1C	X	78.268	.25
14	MP1C	Z	-45.188	.25
15	MP1C	Mx	0	.25
16	MP1C	X	78.268	1.75
17	MP1C	Z	-45.188	1.75
18	MP1C	Mx	0	1.75
19	MP2A	X	46.794	2.5
20	MP2A	Z	-27.017	2.5
21	MP2A	Mx	.023	2.5
22	MP2B	X	50.164	2.5
23	MP2B	Z	-28.962	2.5
24	MP2B	Mx	-.022	2.5
25	MP2C	X	62.281	2.5
26	MP2C	Z	-35.958	2.5
27	MP2C	Mx	0	2.5
28	MP3A	X	40.862	2
29	MP3A	Z	-23.592	2
30	MP3A	Mx	.02	2
31	MP3B	X	45.522	2
32	MP3B	Z	-26.282	2
33	MP3B	Mx	-.02	2
34	MP3C	X	62.281	2
35	MP3C	Z	-35.958	2
36	MP3C	Mx	0	2
37	MP5A	X	31.676	4.5
38	MP5A	Z	-18.288	4.5
39	MP5A	Mx	-.016	4.5
40	MP5B	X	35.943	4.5
41	MP5B	Z	-20.752	4.5
42	MP5B	Mx	.016	4.5
43	MP5C	X	51.291	4.5
44	MP5C	Z	-29.613	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
45	MP5C	Mx	0	4.5
46	MP2A	X	101.369	.75
47	MP2A	Z	-58.525	.75
48	MP2A	Mx	-.085	.75
49	MP2A	X	101.369	5.25
50	MP2A	Z	-58.525	5.25
51	MP2A	Mx	-.085	5.25
52	MP2B	X	108.879	.75
53	MP2B	Z	-62.861	.75
54	MP2B	Mx	.001	.75
55	MP2B	X	108.879	5.25
56	MP2B	Z	-62.861	5.25
57	MP2B	Mx	.001	5.25
58	MP2C	X	135.887	.75
59	MP2C	Z	-78.454	.75
60	MP2C	Mx	.092	.75
61	MP2C	X	135.887	5.25
62	MP2C	Z	-78.454	5.25
63	MP2C	Mx	.092	5.25
64	MP2A	X	101.369	.75
65	MP2A	Z	-58.525	.75
66	MP2A	Mx	-.017	.75
67	MP2A	X	101.369	5.25
68	MP2A	Z	-58.525	5.25
69	MP2A	Mx	-.017	5.25
70	MP2B	X	108.879	.75
71	MP2B	Z	-62.861	.75
72	MP2B	Mx	.095	.75
73	MP2B	X	108.879	5.25
74	MP2B	Z	-62.861	5.25
75	MP2B	Mx	.095	5.25
76	MP2C	X	135.887	.75
77	MP2C	Z	-78.454	.75
78	MP2C	Mx	-.092	.75
79	MP2C	X	135.887	5.25
80	MP2C	Z	-78.454	5.25
81	MP2C	Mx	-.092	5.25
82	MP3B	X	92.72	.25
83	MP3B	Z	-53.532	.25
84	MP3B	Mx	.041	.25
85	MP3B	X	92.72	4.75
86	MP3B	Z	-53.532	4.75
87	MP3B	Mx	.041	4.75
88	MP3C	X	126.062	.25
89	MP3C	Z	-72.782	.25
90	MP3C	Mx	0	.25
91	MP3C	X	126.062	4.75
92	MP3C	Z	-72.782	4.75
93	MP3C	Mx	0	4.75
94	MP3A	X	97.706	.25
95	MP3A	Z	-56.41	.25
96	MP3A	Mx	-.049	.25
97	MP3A	X	97.706	4.75
98	MP3A	Z	-56.41	4.75
99	MP3A	Mx	-.049	4.75
100	M57	X	103.164	1
101	M57	Z	-59.562	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	35.382	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	-.018	.25
4	MP1A	X	35.382	1.75
5	MP1A	Z	0	1.75
6	MP1A	Mx	-.018	1.75
7	MP1B	X	83.943	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	.014	.25
10	MP1B	X	83.943	1.75
11	MP1B	Z	0	1.75
12	MP1B	Mx	.014	1.75
13	MP1C	X	76.628	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	.019	.25
16	MP1C	X	76.628	1.75
17	MP1C	Z	0	1.75
18	MP1C	Mx	.019	1.75
19	MP2A	X	48.072	2.5
20	MP2A	Z	0	2.5
21	MP2A	Mx	.024	2.5
22	MP2B	X	69.127	2.5
23	MP2B	Z	0	2.5
24	MP2B	Mx	-.012	2.5
25	MP2C	X	65.955	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	-.016	2.5
28	MP3A	X	38.939	2
29	MP3A	Z	0	2
30	MP3A	Mx	.019	2
31	MP3B	X	68.059	2
32	MP3B	Z	0	2
33	MP3B	Mx	-.012	2
34	MP3C	X	63.672	2
35	MP3C	Z	0	2
36	MP3C	Mx	-.016	2
37	MP5A	X	29.026	4.5
38	MP5A	Z	0	4.5
39	MP5A	Mx	-.015	4.5
40	MP5B	X	55.693	4.5
41	MP5B	Z	0	4.5
42	MP5B	Mx	.01	4.5
43	MP5C	X	51.676	4.5
44	MP5C	Z	0	4.5
45	MP5C	Mx	.013	4.5
46	MP2A	X	103.765	.75
47	MP2A	Z	0	.75
48	MP2A	Mx	-.052	.75
49	MP2A	X	103.765	5.25
50	MP2A	Z	0	5.25
51	MP2A	Mx	-.052	5.25
52	MP2B	X	150.692	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
53	MP2B	Z	0	.75
54	MP2B	Mx	-.057	.75
55	MP2B	X	150.692	5.25
56	MP2B	Z	0	5.25
57	MP2B	Mx	-.057	5.25
58	MP2C	X	143.623	.75
59	MP2C	Z	0	.75
60	MP2C	Mx	.108	.75
61	MP2C	X	143.623	5.25
62	MP2C	Z	0	5.25
63	MP2C	Mx	.108	5.25
64	MP2A	X	103.765	.75
65	MP2A	Z	0	.75
66	MP2A	Mx	-.052	.75
67	MP2A	X	103.765	5.25
68	MP2A	Z	0	5.25
69	MP2A	Mx	-.052	5.25
70	MP2B	X	150.692	.75
71	MP2B	Z	0	.75
72	MP2B	Mx	.108	.75
73	MP2B	X	150.692	5.25
74	MP2B	Z	0	5.25
75	MP2B	Mx	.108	5.25
76	MP2C	X	143.623	.75
77	MP2C	Z	0	.75
78	MP2C	Mx	-.037	.75
79	MP2C	X	143.623	5.25
80	MP2C	Z	0	5.25
81	MP2C	Mx	-.037	5.25
82	MP3B	X	137.889	.25
83	MP3B	Z	0	.25
84	MP3B	Mx	.024	.25
85	MP3B	X	137.889	4.75
86	MP3B	Z	0	4.75
87	MP3B	Mx	.024	4.75
88	MP3C	X	129.162	.25
89	MP3C	Z	0	.25
90	MP3C	Mx	.032	.25
91	MP3C	X	129.162	4.75
92	MP3C	Z	0	4.75
93	MP3C	Mx	.032	4.75
94	MP3A	X	95.946	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	-.048	.25
97	MP3A	X	95.946	4.75
98	MP3A	Z	0	4.75
99	MP3A	Mx	-.048	4.75
100	M57	X	128.378	1
101	M57	Z	0	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	42.548	.25
2	MP1A	Z	24.565	.25
3	MP1A	Mx	-.021	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	42.548	1.75
5	MP1A	Z	24.565	1.75
6	MP1A	Mx	-.021	1.75
7	MP1B	X	76.832	.25
8	MP1B	Z	44.359	.25
9	MP1B	Mx	-.008	.25
10	MP1B	X	76.832	1.75
11	MP1B	Z	44.359	1.75
12	MP1B	Mx	-.008	1.75
13	MP1C	X	42.548	.25
14	MP1C	Z	24.565	.25
15	MP1C	Mx	.021	.25
16	MP1C	X	42.548	1.75
17	MP1C	Z	24.565	1.75
18	MP1C	Mx	.021	1.75
19	MP2A	X	46.794	2.5
20	MP2A	Z	27.017	2.5
21	MP2A	Mx	.023	2.5
22	MP2B	X	61.659	2.5
23	MP2B	Z	35.599	2.5
24	MP2B	Mx	.006	2.5
25	MP2C	X	46.794	2.5
26	MP2C	Z	27.017	2.5
27	MP2C	Mx	-.023	2.5
28	MP3A	X	40.862	2
29	MP3A	Z	23.592	2
30	MP3A	Mx	.02	2
31	MP3B	X	61.42	2
32	MP3B	Z	35.461	2
33	MP3B	Mx	.006	2
34	MP3C	X	40.862	2
35	MP3C	Z	23.592	2
36	MP3C	Mx	-.02	2
37	MP5A	X	31.676	4.5
38	MP5A	Z	18.288	4.5
39	MP5A	Mx	-.016	4.5
40	MP5B	X	50.502	4.5
41	MP5B	Z	29.157	4.5
42	MP5B	Mx	-.005	4.5
43	MP5C	X	31.676	4.5
44	MP5C	Z	18.288	4.5
45	MP5C	Mx	.016	4.5
46	MP2A	X	101.369	.75
47	MP2A	Z	58.525	.75
48	MP2A	Mx	-.017	.75
49	MP2A	X	101.369	5.25
50	MP2A	Z	58.525	5.25
51	MP2A	Mx	-.017	5.25
52	MP2B	X	134.499	.75
53	MP2B	Z	77.653	.75
54	MP2B	Mx	-.103	.75
55	MP2B	X	134.499	5.25
56	MP2B	Z	77.653	5.25
57	MP2B	Mx	-.103	5.25
58	MP2C	X	101.369	.75
59	MP2C	Z	58.525	.75
60	MP2C	Mx	.085	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
61	MP2C	X	101.369	5.25
62	MP2C	Z	58.525	5.25
63	MP2C	Mx	.085	5.25
64	MP2A	X	101.369	.75
65	MP2A	Z	58.525	.75
66	MP2A	Mx	-.085	.75
67	MP2A	X	101.369	5.25
68	MP2A	Z	58.525	5.25
69	MP2A	Mx	-.085	5.25
70	MP2B	X	134.499	.75
71	MP2B	Z	77.653	.75
72	MP2B	Mx	.076	.75
73	MP2B	X	134.499	5.25
74	MP2B	Z	77.653	5.25
75	MP2B	Mx	.076	5.25
76	MP2C	X	101.369	.75
77	MP2C	Z	58.525	.75
78	MP2C	Mx	.017	.75
79	MP2C	X	101.369	5.25
80	MP2C	Z	58.525	5.25
81	MP2C	Mx	.017	5.25
82	MP3B	X	124.348	.25
83	MP3B	Z	71.793	.25
84	MP3B	Mx	-.012	.25
85	MP3B	X	124.348	4.75
86	MP3B	Z	71.793	4.75
87	MP3B	Mx	-.012	4.75
88	MP3C	X	83.448	.25
89	MP3C	Z	48.179	.25
90	MP3C	Mx	.042	.25
91	MP3C	X	83.448	4.75
92	MP3C	Z	48.179	4.75
93	MP3C	Mx	.042	4.75
94	MP3A	X	97.706	.25
95	MP3A	Z	56.41	.25
96	MP3A	Mx	-.049	.25
97	MP3A	X	97.706	4.75
98	MP3A	Z	56.41	4.75
99	MP3A	Mx	-.049	4.75
100	M57	X	127.207	1
101	M57	Z	73.443	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	38.314	.25
2	MP1A	Z	66.362	.25
3	MP1A	Mx	-.019	.25
4	MP1A	X	38.314	1.75
5	MP1A	Z	66.362	1.75
6	MP1A	Mx	-.019	1.75
7	MP1B	X	33.827	.25
8	MP1B	Z	58.59	.25
9	MP1B	Mx	-.022	.25
10	MP1B	X	33.827	1.75
11	MP1B	Z	58.59	1.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP1B	Mx	-.022	1.75
13	MP1C	X	17.691	.25
14	MP1C	Z	30.642	.25
15	MP1C	Mx	.018	.25
16	MP1C	X	17.691	1.75
17	MP1C	Z	30.642	1.75
18	MP1C	Mx	.018	1.75
19	MP2A	X	32.978	2.5
20	MP2A	Z	57.119	2.5
21	MP2A	Mx	.016	2.5
22	MP2B	X	31.032	2.5
23	MP2B	Z	53.75	2.5
24	MP2B	Mx	.02	2.5
25	MP2C	X	24.036	2.5
26	MP2C	Z	41.632	2.5
27	MP2C	Mx	-.024	2.5
28	MP3A	X	31.836	2
29	MP3A	Z	55.142	2
30	MP3A	Mx	.016	2
31	MP3B	X	29.145	2
32	MP3B	Z	50.481	2
33	MP3B	Mx	.019	2
34	MP3C	X	19.469	2
35	MP3C	Z	33.722	2
36	MP3C	Mx	-.019	2
37	MP5A	X	25.838	4.5
38	MP5A	Z	44.752	4.5
39	MP5A	Mx	-.013	4.5
40	MP5B	X	23.374	4.5
41	MP5B	Z	40.485	4.5
42	MP5B	Mx	-.015	4.5
43	MP5C	X	14.513	4.5
44	MP5C	Z	25.137	4.5
45	MP5C	Mx	.015	4.5
46	MP2A	X	71.811	.75
47	MP2A	Z	124.381	.75
48	MP2A	Mx	.037	.75
49	MP2A	X	71.811	5.25
50	MP2A	Z	124.381	5.25
51	MP2A	Mx	.037	5.25
52	MP2B	X	67.475	.75
53	MP2B	Z	116.871	.75
54	MP2B	Mx	-.104	.75
55	MP2B	X	67.475	5.25
56	MP2B	Z	116.871	5.25
57	MP2B	Mx	-.104	5.25
58	MP2C	X	51.882	.75
59	MP2C	Z	89.863	.75
60	MP2C	Mx	.052	.75
61	MP2C	X	51.882	5.25
62	MP2C	Z	89.863	5.25
63	MP2C	Mx	.052	5.25
64	MP2A	X	71.811	.75
65	MP2A	Z	124.381	.75
66	MP2A	Mx	-.108	.75
67	MP2A	X	71.811	5.25
68	MP2A	Z	124.381	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
69	MP2A	Mx	-.108	5.25
70	MP2B	X	67.475	.75
71	MP2B	Z	116.871	.75
72	MP2B	Mx	.017	.75
73	MP2B	X	67.475	5.25
74	MP2B	Z	116.871	5.25
75	MP2B	Mx	.017	5.25
76	MP2C	X	51.882	.75
77	MP2C	Z	89.863	.75
78	MP2C	Mx	.052	.75
79	MP2C	X	51.882	5.25
80	MP2C	Z	89.863	5.25
81	MP2C	Mx	.052	5.25
82	MP3B	X	59.228	.25
83	MP3B	Z	102.586	.25
84	MP3B	Mx	-.038	.25
85	MP3B	X	59.228	4.75
86	MP3B	Z	102.586	4.75
87	MP3B	Mx	-.038	4.75
88	MP3C	X	39.978	.25
89	MP3C	Z	69.244	.25
90	MP3C	Mx	.04	.25
91	MP3C	X	39.978	4.75
92	MP3C	Z	69.244	4.75
93	MP3C	Mx	.04	4.75
94	MP3A	X	73.286	.25
95	MP3A	Z	126.934	.25
96	MP3A	Mx	-.037	.25
97	MP3A	X	73.286	4.75
98	MP3A	Z	126.934	4.75
99	MP3A	Mx	-.037	4.75
100	M57	X	78.07	1
101	M57	Z	135.221	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	.25
2	MP1A	Z	90.376	.25
3	MP1A	Mx	0	.25
4	MP1A	X	0	1.75
5	MP1A	Z	90.376	1.75
6	MP1A	Mx	0	1.75
7	MP1B	X	0	.25
8	MP1B	Z	41.815	.25
9	MP1B	Mx	-.02	.25
10	MP1B	X	0	1.75
11	MP1B	Z	41.815	1.75
12	MP1B	Mx	-.02	1.75
13	MP1C	X	0	.25
14	MP1C	Z	49.131	.25
15	MP1C	Mx	.021	.25
16	MP1C	X	0	1.75
17	MP1C	Z	49.131	1.75
18	MP1C	Mx	.021	1.75
19	MP2A	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	71.916	2.5
21	MP2A	Mx	0	2.5
22	MP2B	X	0	2.5
23	MP2B	Z	50.862	2.5
24	MP2B	Mx	.024	2.5
25	MP2C	X	0	2.5
26	MP2C	Z	54.033	2.5
27	MP2C	Mx	-.023	2.5
28	MP3A	X	0	2
29	MP3A	Z	71.916	2
30	MP3A	Mx	0	2
31	MP3B	X	0	2
32	MP3B	Z	42.796	2
33	MP3B	Mx	.02	2
34	MP3C	X	0	2
35	MP3C	Z	47.183	2
36	MP3C	Mx	-.02	2
37	MP5A	X	0	4.5
38	MP5A	Z	59.225	4.5
39	MP5A	Mx	0	4.5
40	MP5B	X	0	4.5
41	MP5B	Z	32.559	4.5
42	MP5B	Mx	-.015	4.5
43	MP5C	X	0	4.5
44	MP5C	Z	36.576	4.5
45	MP5C	Mx	.016	4.5
46	MP2A	X	0	.75
47	MP2A	Z	156.909	.75
48	MP2A	Mx	.092	.75
49	MP2A	X	0	5.25
50	MP2A	Z	156.909	5.25
51	MP2A	Mx	.092	5.25
52	MP2B	X	0	.75
53	MP2B	Z	109.981	.75
54	MP2B	Mx	-.074	.75
55	MP2B	X	0	5.25
56	MP2B	Z	109.981	5.25
57	MP2B	Mx	-.074	5.25
58	MP2C	X	0	.75
59	MP2C	Z	117.051	.75
60	MP2C	Mx	.017	.75
61	MP2C	X	0	5.25
62	MP2C	Z	117.051	5.25
63	MP2C	Mx	.017	5.25
64	MP2A	X	0	.75
65	MP2A	Z	156.909	.75
66	MP2A	Mx	-.092	.75
67	MP2A	X	0	5.25
68	MP2A	Z	156.909	5.25
69	MP2A	Mx	-.092	5.25
70	MP2B	X	0	.75
71	MP2B	Z	109.981	.75
72	MP2B	Mx	-.03	.75
73	MP2B	X	0	5.25
74	MP2B	Z	109.981	5.25
75	MP2B	Mx	-.03	5.25
76	MP2C	X	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
77	MP2C	Z	117.051	.75
78	MP2C	Mx	.085	.75
79	MP2C	X	0	5.25
80	MP2C	Z	117.051	5.25
81	MP2C	Mx	.085	5.25
82	MP3B	X	0	.25
83	MP3B	Z	87.631	.25
84	MP3B	Mx	-.041	.25
85	MP3B	X	0	4.75
86	MP3B	Z	87.631	4.75
87	MP3B	Mx	-.041	4.75
88	MP3C	X	0	.25
89	MP3C	Z	96.358	.25
90	MP3C	Mx	.042	.25
91	MP3C	X	0	4.75
92	MP3C	Z	96.358	4.75
93	MP3C	Mx	.042	4.75
94	MP3A	X	0	.25
95	MP3A	Z	163.446	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	4.75
98	MP3A	Z	163.446	4.75
99	MP3A	Mx	0	4.75
100	M57	X	0	1
101	M57	Z	146.885	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-38.314	.25
2	MP1A	Z	66.362	.25
3	MP1A	Mx	.019	.25
4	MP1A	X	-38.314	1.75
5	MP1A	Z	66.362	1.75
6	MP1A	Mx	.019	1.75
7	MP1B	X	-18.52	.25
8	MP1B	Z	32.078	.25
9	MP1B	Mx	-.018	.25
10	MP1B	X	-18.52	1.75
11	MP1B	Z	32.078	1.75
12	MP1B	Mx	-.018	1.75
13	MP1C	X	-38.314	.25
14	MP1C	Z	66.362	.25
15	MP1C	Mx	.019	.25
16	MP1C	X	-38.314	1.75
17	MP1C	Z	66.362	1.75
18	MP1C	Mx	.019	1.75
19	MP2A	X	-32.978	2.5
20	MP2A	Z	57.119	2.5
21	MP2A	Mx	-.016	2.5
22	MP2B	X	-24.396	2.5
23	MP2B	Z	42.255	2.5
24	MP2B	Mx	.024	2.5
25	MP2C	X	-32.978	2.5
26	MP2C	Z	57.119	2.5
27	MP2C	Mx	-.016	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
28	MP3A	X	-31.836	2
29	MP3A	Z	55.142	2
30	MP3A	Mx	-.016	2
31	MP3B	X	-19.967	2
32	MP3B	Z	34.583	2
33	MP3B	Mx	.02	2
34	MP3C	X	-31.836	2
35	MP3C	Z	55.142	2
36	MP3C	Mx	-.016	2
37	MP5A	X	-25.838	4.5
38	MP5A	Z	44.752	4.5
39	MP5A	Mx	.013	4.5
40	MP5B	X	-14.968	4.5
41	MP5B	Z	25.926	4.5
42	MP5B	Mx	-.015	4.5
43	MP5C	X	-25.838	4.5
44	MP5C	Z	44.752	4.5
45	MP5C	Mx	.013	4.5
46	MP2A	X	-71.811	.75
47	MP2A	Z	124.381	.75
48	MP2A	Mx	.108	.75
49	MP2A	X	-71.811	5.25
50	MP2A	Z	124.381	5.25
51	MP2A	Mx	.108	5.25
52	MP2B	X	-52.684	.75
53	MP2B	Z	91.251	.75
54	MP2B	Mx	-.041	.75
55	MP2B	X	-52.684	5.25
56	MP2B	Z	91.251	5.25
57	MP2B	Mx	-.041	5.25
58	MP2C	X	-71.811	.75
59	MP2C	Z	124.381	.75
60	MP2C	Mx	-.037	.75
61	MP2C	X	-71.811	5.25
62	MP2C	Z	124.381	5.25
63	MP2C	Mx	-.037	5.25
64	MP2A	X	-71.811	.75
65	MP2A	Z	124.381	.75
66	MP2A	Mx	-.037	.75
67	MP2A	X	-71.811	5.25
68	MP2A	Z	124.381	5.25
69	MP2A	Mx	-.037	5.25
70	MP2B	X	-52.684	.75
71	MP2B	Z	91.251	.75
72	MP2B	Mx	-.063	.75
73	MP2B	X	-52.684	5.25
74	MP2B	Z	91.251	5.25
75	MP2B	Mx	-.063	5.25
76	MP2C	X	-71.811	.75
77	MP2C	Z	124.381	.75
78	MP2C	Mx	.108	.75
79	MP2C	X	-71.811	5.25
80	MP2C	Z	124.381	5.25
81	MP2C	Mx	.108	5.25
82	MP3B	X	-40.967	.25
83	MP3B	Z	70.957	.25
84	MP3B	Mx	-.04	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
85	MP3B	X	-40.967	4.75
86	MP3B	Z	70.957	4.75
87	MP3B	Mx	-.04	4.75
88	MP3C	X	-64.581	.25
89	MP3C	Z	111.857	.25
90	MP3C	Mx	.032	.25
91	MP3C	X	-64.581	4.75
92	MP3C	Z	111.857	4.75
93	MP3C	Mx	.032	4.75
94	MP3A	X	-73.286	.25
95	MP3A	Z	126.934	.25
96	MP3A	Mx	.037	.25
97	MP3A	X	-73.286	4.75
98	MP3A	Z	126.934	4.75
99	MP3A	Mx	.037	4.75
100	M57	X	-64.189	1
101	M57	Z	111.178	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-42.548	.25
2	MP1A	Z	24.565	.25
3	MP1A	Mx	.021	.25
4	MP1A	X	-42.548	1.75
5	MP1A	Z	24.565	1.75
6	MP1A	Mx	.021	1.75
7	MP1B	X	-50.32	.25
8	MP1B	Z	29.052	.25
9	MP1B	Mx	-.022	.25
10	MP1B	X	-50.32	1.75
11	MP1B	Z	29.052	1.75
12	MP1B	Mx	-.022	1.75
13	MP1C	X	-78.268	.25
14	MP1C	Z	45.188	.25
15	MP1C	Mx	0	.25
16	MP1C	X	-78.268	1.75
17	MP1C	Z	45.188	1.75
18	MP1C	Mx	0	1.75
19	MP2A	X	-46.794	2.5
20	MP2A	Z	27.017	2.5
21	MP2A	Mx	-.023	2.5
22	MP2B	X	-50.164	2.5
23	MP2B	Z	28.962	2.5
24	MP2B	Mx	.022	2.5
25	MP2C	X	-62.281	2.5
26	MP2C	Z	35.958	2.5
27	MP2C	Mx	0	2.5
28	MP3A	X	-40.862	2
29	MP3A	Z	23.592	2
30	MP3A	Mx	-.02	2
31	MP3B	X	-45.522	2
32	MP3B	Z	26.282	2
33	MP3B	Mx	.02	2
34	MP3C	X	-62.281	2
35	MP3C	Z	35.958	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP3C	Mx	0	2
37	MP5A	X	-31.676	4.5
38	MP5A	Z	18.288	4.5
39	MP5A	Mx	.016	4.5
40	MP5B	X	-35.943	4.5
41	MP5B	Z	20.752	4.5
42	MP5B	Mx	-.016	4.5
43	MP5C	X	-51.291	4.5
44	MP5C	Z	29.613	4.5
45	MP5C	Mx	0	4.5
46	MP2A	X	-101.369	.75
47	MP2A	Z	58.525	.75
48	MP2A	Mx	.085	.75
49	MP2A	X	-101.369	5.25
50	MP2A	Z	58.525	5.25
51	MP2A	Mx	.085	5.25
52	MP2B	X	-108.879	.75
53	MP2B	Z	62.861	.75
54	MP2B	Mx	-.001	.75
55	MP2B	X	-108.879	5.25
56	MP2B	Z	62.861	5.25
57	MP2B	Mx	-.001	5.25
58	MP2C	X	-135.887	.75
59	MP2C	Z	78.454	.75
60	MP2C	Mx	-.092	.75
61	MP2C	X	-135.887	5.25
62	MP2C	Z	78.454	5.25
63	MP2C	Mx	-.092	5.25
64	MP2A	X	-101.369	.75
65	MP2A	Z	58.525	.75
66	MP2A	Mx	.017	.75
67	MP2A	X	-101.369	5.25
68	MP2A	Z	58.525	5.25
69	MP2A	Mx	.017	5.25
70	MP2B	X	-108.879	.75
71	MP2B	Z	62.861	.75
72	MP2B	Mx	-.095	.75
73	MP2B	X	-108.879	5.25
74	MP2B	Z	62.861	5.25
75	MP2B	Mx	-.095	5.25
76	MP2C	X	-135.887	.75
77	MP2C	Z	78.454	.75
78	MP2C	Mx	.092	.75
79	MP2C	X	-135.887	5.25
80	MP2C	Z	78.454	5.25
81	MP2C	Mx	.092	5.25
82	MP3B	X	-92.72	.25
83	MP3B	Z	53.532	.25
84	MP3B	Mx	-.041	.25
85	MP3B	X	-92.72	4.75
86	MP3B	Z	53.532	4.75
87	MP3B	Mx	-.041	4.75
88	MP3C	X	-126.062	.25
89	MP3C	Z	72.782	.25
90	MP3C	Mx	0	.25
91	MP3C	X	-126.062	4.75
92	MP3C	Z	72.782	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
93	MP3C	Mx	0	4.75
94	MP3A	X	-97.706	.25
95	MP3A	Z	56.41	.25
96	MP3A	Mx	.049	.25
97	MP3A	X	-97.706	4.75
98	MP3A	Z	56.41	4.75
99	MP3A	Mx	.049	4.75
100	M57	X	-103.164	1
101	M57	Z	59.562	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-35.382	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	.018	.25
4	MP1A	X	-35.382	1.75
5	MP1A	Z	0	1.75
6	MP1A	Mx	.018	1.75
7	MP1B	X	-83.943	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	-.014	.25
10	MP1B	X	-83.943	1.75
11	MP1B	Z	0	1.75
12	MP1B	Mx	-.014	1.75
13	MP1C	X	-76.628	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	-.019	.25
16	MP1C	X	-76.628	1.75
17	MP1C	Z	0	1.75
18	MP1C	Mx	-.019	1.75
19	MP2A	X	-48.072	2.5
20	MP2A	Z	0	2.5
21	MP2A	Mx	-.024	2.5
22	MP2B	X	-69.127	2.5
23	MP2B	Z	0	2.5
24	MP2B	Mx	.012	2.5
25	MP2C	X	-65.955	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	.016	2.5
28	MP3A	X	-38.939	2
29	MP3A	Z	0	2
30	MP3A	Mx	-.019	2
31	MP3B	X	-68.059	2
32	MP3B	Z	0	2
33	MP3B	Mx	.012	2
34	MP3C	X	-63.672	2
35	MP3C	Z	0	2
36	MP3C	Mx	.016	2
37	MP5A	X	-29.026	4.5
38	MP5A	Z	0	4.5
39	MP5A	Mx	.015	4.5
40	MP5B	X	-55.693	4.5
41	MP5B	Z	0	4.5
42	MP5B	Mx	-.01	4.5
43	MP5C	X	-51.676	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP5C	Z	0	4.5
45	MP5C	Mx	-.013	4.5
46	MP2A	X	-103.765	.75
47	MP2A	Z	0	.75
48	MP2A	Mx	.052	.75
49	MP2A	X	-103.765	5.25
50	MP2A	Z	0	5.25
51	MP2A	Mx	.052	5.25
52	MP2B	X	-150.692	.75
53	MP2B	Z	0	.75
54	MP2B	Mx	.057	.75
55	MP2B	X	-150.692	5.25
56	MP2B	Z	0	5.25
57	MP2B	Mx	.057	5.25
58	MP2C	X	-143.623	.75
59	MP2C	Z	0	.75
60	MP2C	Mx	-.108	.75
61	MP2C	X	-143.623	5.25
62	MP2C	Z	0	5.25
63	MP2C	Mx	-.108	5.25
64	MP2A	X	-103.765	.75
65	MP2A	Z	0	.75
66	MP2A	Mx	.052	.75
67	MP2A	X	-103.765	5.25
68	MP2A	Z	0	5.25
69	MP2A	Mx	.052	5.25
70	MP2B	X	-150.692	.75
71	MP2B	Z	0	.75
72	MP2B	Mx	-.108	.75
73	MP2B	X	-150.692	5.25
74	MP2B	Z	0	5.25
75	MP2B	Mx	-.108	5.25
76	MP2C	X	-143.623	.75
77	MP2C	Z	0	.75
78	MP2C	Mx	.037	.75
79	MP2C	X	-143.623	5.25
80	MP2C	Z	0	5.25
81	MP2C	Mx	.037	5.25
82	MP3B	X	-137.889	.25
83	MP3B	Z	0	.25
84	MP3B	Mx	-.024	.25
85	MP3B	X	-137.889	4.75
86	MP3B	Z	0	4.75
87	MP3B	Mx	-.024	4.75
88	MP3C	X	-129.162	.25
89	MP3C	Z	0	.25
90	MP3C	Mx	-.032	.25
91	MP3C	X	-129.162	4.75
92	MP3C	Z	0	4.75
93	MP3C	Mx	-.032	4.75
94	MP3A	X	-95.946	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	.048	.25
97	MP3A	X	-95.946	4.75
98	MP3A	Z	0	4.75
99	MP3A	Mx	.048	4.75
100	M57	X	-128.378	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	M57	Z	0	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-42.548	.25
2	MP1A	Z	-24.565	.25
3	MP1A	Mx	.021	.25
4	MP1A	X	-42.548	1.75
5	MP1A	Z	-24.565	1.75
6	MP1A	Mx	.021	1.75
7	MP1B	X	-76.832	.25
8	MP1B	Z	-44.359	.25
9	MP1B	Mx	.008	.25
10	MP1B	X	-76.832	1.75
11	MP1B	Z	-44.359	1.75
12	MP1B	Mx	.008	1.75
13	MP1C	X	-42.548	.25
14	MP1C	Z	-24.565	.25
15	MP1C	Mx	-.021	.25
16	MP1C	X	-42.548	1.75
17	MP1C	Z	-24.565	1.75
18	MP1C	Mx	-.021	1.75
19	MP2A	X	-46.794	2.5
20	MP2A	Z	-27.017	2.5
21	MP2A	Mx	-.023	2.5
22	MP2B	X	-61.659	2.5
23	MP2B	Z	-35.599	2.5
24	MP2B	Mx	-.006	2.5
25	MP2C	X	-46.794	2.5
26	MP2C	Z	-27.017	2.5
27	MP2C	Mx	.023	2.5
28	MP3A	X	-40.862	2
29	MP3A	Z	-23.592	2
30	MP3A	Mx	-.02	2
31	MP3B	X	-61.42	2
32	MP3B	Z	-35.461	2
33	MP3B	Mx	-.006	2
34	MP3C	X	-40.862	2
35	MP3C	Z	-23.592	2
36	MP3C	Mx	.02	2
37	MP5A	X	-31.676	4.5
38	MP5A	Z	-18.288	4.5
39	MP5A	Mx	.016	4.5
40	MP5B	X	-50.502	4.5
41	MP5B	Z	-29.157	4.5
42	MP5B	Mx	.005	4.5
43	MP5C	X	-31.676	4.5
44	MP5C	Z	-18.288	4.5
45	MP5C	Mx	-.016	4.5
46	MP2A	X	-101.369	.75
47	MP2A	Z	-58.525	.75
48	MP2A	Mx	.017	.75
49	MP2A	X	-101.369	5.25
50	MP2A	Z	-58.525	5.25
51	MP2A	Mx	.017	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP2B	X	-134.499	.75
53	MP2B	Z	-77.653	.75
54	MP2B	Mx	.103	.75
55	MP2B	X	-134.499	5.25
56	MP2B	Z	-77.653	5.25
57	MP2B	Mx	.103	5.25
58	MP2C	X	-101.369	.75
59	MP2C	Z	-58.525	.75
60	MP2C	Mx	-.085	.75
61	MP2C	X	-101.369	5.25
62	MP2C	Z	-58.525	5.25
63	MP2C	Mx	-.085	5.25
64	MP2A	X	-101.369	.75
65	MP2A	Z	-58.525	.75
66	MP2A	Mx	.085	.75
67	MP2A	X	-101.369	5.25
68	MP2A	Z	-58.525	5.25
69	MP2A	Mx	.085	5.25
70	MP2B	X	-134.499	.75
71	MP2B	Z	-77.653	.75
72	MP2B	Mx	-.076	.75
73	MP2B	X	-134.499	5.25
74	MP2B	Z	-77.653	5.25
75	MP2B	Mx	-.076	5.25
76	MP2C	X	-101.369	.75
77	MP2C	Z	-58.525	.75
78	MP2C	Mx	-.017	.75
79	MP2C	X	-101.369	5.25
80	MP2C	Z	-58.525	5.25
81	MP2C	Mx	-.017	5.25
82	MP3B	X	-124.348	.25
83	MP3B	Z	-71.793	.25
84	MP3B	Mx	.012	.25
85	MP3B	X	-124.348	4.75
86	MP3B	Z	-71.793	4.75
87	MP3B	Mx	.012	4.75
88	MP3C	X	-83.448	.25
89	MP3C	Z	-48.179	.25
90	MP3C	Mx	-.042	.25
91	MP3C	X	-83.448	4.75
92	MP3C	Z	-48.179	4.75
93	MP3C	Mx	-.042	4.75
94	MP3A	X	-97.706	.25
95	MP3A	Z	-56.41	.25
96	MP3A	Mx	.049	.25
97	MP3A	X	-97.706	4.75
98	MP3A	Z	-56.41	4.75
99	MP3A	Mx	.049	4.75
100	M57	X	-127.207	1
101	M57	Z	-73.443	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-38.314	.25
2	MP1A	Z	-66.362	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
3	MP1A	Mx	.019	.25
4	MP1A	X	-38.314	1.75
5	MP1A	Z	-66.362	1.75
6	MP1A	Mx	.019	1.75
7	MP1B	X	-33.827	.25
8	MP1B	Z	-58.59	.25
9	MP1B	Mx	.022	.25
10	MP1B	X	-33.827	1.75
11	MP1B	Z	-58.59	1.75
12	MP1B	Mx	.022	1.75
13	MP1C	X	-17.691	.25
14	MP1C	Z	-30.642	.25
15	MP1C	Mx	-.018	.25
16	MP1C	X	-17.691	1.75
17	MP1C	Z	-30.642	1.75
18	MP1C	Mx	-.018	1.75
19	MP2A	X	-32.978	2.5
20	MP2A	Z	-57.119	2.5
21	MP2A	Mx	-.016	2.5
22	MP2B	X	-31.032	2.5
23	MP2B	Z	-53.75	2.5
24	MP2B	Mx	-.02	2.5
25	MP2C	X	-24.036	2.5
26	MP2C	Z	-41.632	2.5
27	MP2C	Mx	.024	2.5
28	MP3A	X	-31.836	2
29	MP3A	Z	-55.142	2
30	MP3A	Mx	-.016	2
31	MP3B	X	-29.145	2
32	MP3B	Z	-50.481	2
33	MP3B	Mx	-.019	2
34	MP3C	X	-19.469	2
35	MP3C	Z	-33.722	2
36	MP3C	Mx	.019	2
37	MP5A	X	-25.838	4.5
38	MP5A	Z	-44.752	4.5
39	MP5A	Mx	.013	4.5
40	MP5B	X	-23.374	4.5
41	MP5B	Z	-40.485	4.5
42	MP5B	Mx	.015	4.5
43	MP5C	X	-14.513	4.5
44	MP5C	Z	-25.137	4.5
45	MP5C	Mx	-.015	4.5
46	MP2A	X	-71.811	.75
47	MP2A	Z	-124.381	.75
48	MP2A	Mx	-.037	.75
49	MP2A	X	-71.811	5.25
50	MP2A	Z	-124.381	5.25
51	MP2A	Mx	-.037	5.25
52	MP2B	X	-67.475	.75
53	MP2B	Z	-116.871	.75
54	MP2B	Mx	.104	.75
55	MP2B	X	-67.475	5.25
56	MP2B	Z	-116.871	5.25
57	MP2B	Mx	.104	5.25
58	MP2C	X	-51.882	.75
59	MP2C	Z	-89.863	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
60	MP2C	Mx	-.052	.75
61	MP2C	X	-51.882	5.25
62	MP2C	Z	-89.863	5.25
63	MP2C	Mx	-.052	5.25
64	MP2A	X	-71.811	.75
65	MP2A	Z	-124.381	.75
66	MP2A	Mx	.108	.75
67	MP2A	X	-71.811	5.25
68	MP2A	Z	-124.381	5.25
69	MP2A	Mx	.108	5.25
70	MP2B	X	-67.475	.75
71	MP2B	Z	-116.871	.75
72	MP2B	Mx	-.017	.75
73	MP2B	X	-67.475	5.25
74	MP2B	Z	-116.871	5.25
75	MP2B	Mx	-.017	5.25
76	MP2C	X	-51.882	.75
77	MP2C	Z	-89.863	.75
78	MP2C	Mx	-.052	.75
79	MP2C	X	-51.882	5.25
80	MP2C	Z	-89.863	5.25
81	MP2C	Mx	-.052	5.25
82	MP3B	X	-59.228	.25
83	MP3B	Z	-102.586	.25
84	MP3B	Mx	.038	.25
85	MP3B	X	-59.228	4.75
86	MP3B	Z	-102.586	4.75
87	MP3B	Mx	.038	4.75
88	MP3C	X	-39.978	.25
89	MP3C	Z	-69.244	.25
90	MP3C	Mx	-.04	.25
91	MP3C	X	-39.978	4.75
92	MP3C	Z	-69.244	4.75
93	MP3C	Mx	-.04	4.75
94	MP3A	X	-73.286	.25
95	MP3A	Z	-126.934	.25
96	MP3A	Mx	.037	.25
97	MP3A	X	-73.286	4.75
98	MP3A	Z	-126.934	4.75
99	MP3A	Mx	.037	4.75
100	M57	X	-78.07	1
101	M57	Z	-135.221	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	.25
2	MP1A	Z	-19.692	.25
3	MP1A	Mx	0	.25
4	MP1A	X	0	1.75
5	MP1A	Z	-19.692	1.75
6	MP1A	Mx	0	1.75
7	MP1B	X	0	.25
8	MP1B	Z	-10.005	.25
9	MP1B	Mx	.005	.25
10	MP1B	X	0	1.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
11	MP1B	Z	-10.005	1.75
12	MP1B	Mx	.005	1.75
13	MP1C	X	0	.25
14	MP1C	Z	-11.464	.25
15	MP1C	Mx	-.005	.25
16	MP1C	X	0	1.75
17	MP1C	Z	-11.464	1.75
18	MP1C	Mx	-.005	1.75
19	MP2A	X	0	2.5
20	MP2A	Z	-17.027	2.5
21	MP2A	Mx	0	2.5
22	MP2B	X	0	2.5
23	MP2B	Z	-12.641	2.5
24	MP2B	Mx	-.006	2.5
25	MP2C	X	0	2.5
26	MP2C	Z	-13.301	2.5
27	MP2C	Mx	.006	2.5
28	MP3A	X	0	2
29	MP3A	Z	-17.027	2
30	MP3A	Mx	0	2
31	MP3B	X	0	2
32	MP3B	Z	-10.974	2
33	MP3B	Mx	-.005	2
34	MP3C	X	0	2
35	MP3C	Z	-11.886	2
36	MP3C	Mx	.005	2
37	MP5A	X	0	4.5
38	MP5A	Z	-14.39	4.5
39	MP5A	Mx	0	4.5
40	MP5B	X	0	4.5
41	MP5B	Z	-8.848	4.5
42	MP5B	Mx	.004	4.5
43	MP5C	X	0	4.5
44	MP5C	Z	-9.683	4.5
45	MP5C	Mx	-.004	4.5
46	MP2A	X	0	.75
47	MP2A	Z	-33.073	.75
48	MP2A	Mx	-.019	.75
49	MP2A	X	0	5.25
50	MP2A	Z	-33.073	5.25
51	MP2A	Mx	-.019	5.25
52	MP2B	X	0	.75
53	MP2B	Z	-24.378	.75
54	MP2B	Mx	.016	.75
55	MP2B	X	0	5.25
56	MP2B	Z	-24.378	5.25
57	MP2B	Mx	.016	5.25
58	MP2C	X	0	.75
59	MP2C	Z	-25.688	.75
60	MP2C	Mx	-.004	.75
61	MP2C	X	0	5.25
62	MP2C	Z	-25.688	5.25
63	MP2C	Mx	-.004	5.25
64	MP2A	X	0	.75
65	MP2A	Z	-33.073	.75
66	MP2A	Mx	.019	.75
67	MP2A	X	0	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
68	MP2A	Z	-33.073	5.25
69	MP2A	Mx	.019	5.25
70	MP2B	X	0	.75
71	MP2B	Z	-24.378	.75
72	MP2B	Mx	.007	.75
73	MP2B	X	0	5.25
74	MP2B	Z	-24.378	5.25
75	MP2B	Mx	.007	5.25
76	MP2C	X	0	.75
77	MP2C	Z	-25.688	.75
78	MP2C	Mx	-.019	.75
79	MP2C	X	0	5.25
80	MP2C	Z	-25.688	5.25
81	MP2C	Mx	-.019	5.25
82	MP3B	X	0	.25
83	MP3B	Z	-20.038	.25
84	MP3B	Mx	.009	.25
85	MP3B	X	0	4.75
86	MP3B	Z	-20.038	4.75
87	MP3B	Mx	.009	4.75
88	MP3C	X	0	.25
89	MP3C	Z	-21.669	.25
90	MP3C	Mx	-.009	.25
91	MP3C	X	0	4.75
92	MP3C	Z	-21.669	4.75
93	MP3C	Mx	-.009	4.75
94	MP3A	X	0	.25
95	MP3A	Z	-34.362	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	4.75
98	MP3A	Z	-34.362	4.75
99	MP3A	Mx	0	4.75
100	M57	X	0	1
101	M57	Z	-32.4	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	8.475	.25
2	MP1A	Z	-14.678	.25
3	MP1A	Mx	-.004	.25
4	MP1A	X	8.475	1.75
5	MP1A	Z	-14.678	1.75
6	MP1A	Mx	-.004	1.75
7	MP1B	X	4.526	.25
8	MP1B	Z	-7.84	.25
9	MP1B	Mx	.004	.25
10	MP1B	X	4.526	1.75
11	MP1B	Z	-7.84	1.75
12	MP1B	Mx	.004	1.75
13	MP1C	X	8.475	.25
14	MP1C	Z	-14.678	.25
15	MP1C	Mx	-.004	.25
16	MP1C	X	8.475	1.75
17	MP1C	Z	-14.678	1.75
18	MP1C	Mx	-.004	1.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
19	MP2A	X	7.893	2.5
20	MP2A	Z	-13.67	2.5
21	MP2A	Mx	.004	2.5
22	MP2B	X	6.105	2.5
23	MP2B	Z	-10.574	2.5
24	MP2B	Mx	-.006	2.5
25	MP2C	X	7.893	2.5
26	MP2C	Z	-13.67	2.5
27	MP2C	Mx	.004	2.5
28	MP3A	X	7.657	2
29	MP3A	Z	-13.262	2
30	MP3A	Mx	.004	2
31	MP3B	X	5.189	2
32	MP3B	Z	-8.988	2
33	MP3B	Mx	-.005	2
34	MP3C	X	7.657	2
35	MP3C	Z	-13.262	2
36	MP3C	Mx	.004	2
37	MP5A	X	6.41	4.5
38	MP5A	Z	-11.103	4.5
39	MP5A	Mx	-.003	4.5
40	MP5B	X	4.151	4.5
41	MP5B	Z	-7.191	4.5
42	MP5B	Mx	.004	4.5
43	MP5C	X	6.41	4.5
44	MP5C	Z	-11.103	4.5
45	MP5C	Mx	-.003	4.5
46	MP2A	X	15.306	.75
47	MP2A	Z	-26.51	.75
48	MP2A	Mx	-.023	.75
49	MP2A	X	15.306	5.25
50	MP2A	Z	-26.51	5.25
51	MP2A	Mx	-.023	5.25
52	MP2B	X	11.762	.75
53	MP2B	Z	-20.372	.75
54	MP2B	Mx	.009	.75
55	MP2B	X	11.762	5.25
56	MP2B	Z	-20.372	5.25
57	MP2B	Mx	.009	5.25
58	MP2C	X	15.306	.75
59	MP2C	Z	-26.51	.75
60	MP2C	Mx	.008	.75
61	MP2C	X	15.306	5.25
62	MP2C	Z	-26.51	5.25
63	MP2C	Mx	.008	5.25
64	MP2A	X	15.306	.75
65	MP2A	Z	-26.51	.75
66	MP2A	Mx	.008	.75
67	MP2A	X	15.306	5.25
68	MP2A	Z	-26.51	5.25
69	MP2A	Mx	.008	5.25
70	MP2B	X	11.762	.75
71	MP2B	Z	-20.372	.75
72	MP2B	Mx	.014	.75
73	MP2B	X	11.762	5.25
74	MP2B	Z	-20.372	5.25
75	MP2B	Mx	.014	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2C	X	15.306	.75
77	MP2C	Z	-26.51	.75
78	MP2C	Mx	-.023	.75
79	MP2C	X	15.306	5.25
80	MP2C	Z	-26.51	5.25
81	MP2C	Mx	-.023	5.25
82	MP3B	X	9.486	.25
83	MP3B	Z	-16.431	.25
84	MP3B	Mx	.009	.25
85	MP3B	X	9.486	4.75
86	MP3B	Z	-16.431	4.75
87	MP3B	Mx	.009	4.75
88	MP3C	X	13.9	.25
89	MP3C	Z	-24.075	.25
90	MP3C	Mx	-.007	.25
91	MP3C	X	13.9	4.75
92	MP3C	Z	-24.075	4.75
93	MP3C	Mx	-.007	4.75
94	MP3A	X	15.612	.25
95	MP3A	Z	-27.041	.25
96	MP3A	Mx	-.008	.25
97	MP3A	X	15.612	4.75
98	MP3A	Z	-27.041	4.75
99	MP3A	Mx	-.008	4.75
100	M57	X	14.404	1
101	M57	Z	-24.948	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.928	.25
2	MP1A	Z	-5.732	.25
3	MP1A	Mx	-.005	.25
4	MP1A	X	9.928	1.75
5	MP1A	Z	-5.732	1.75
6	MP1A	Mx	-.005	1.75
7	MP1B	X	11.479	.25
8	MP1B	Z	-6.627	.25
9	MP1B	Mx	.005	.25
10	MP1B	X	11.479	1.75
11	MP1B	Z	-6.627	1.75
12	MP1B	Mx	.005	1.75
13	MP1C	X	17.053	.25
14	MP1C	Z	-9.846	.25
15	MP1C	Mx	0	.25
16	MP1C	X	17.053	1.75
17	MP1C	Z	-9.846	1.75
18	MP1C	Mx	0	1.75
19	MP2A	X	11.519	2.5
20	MP2A	Z	-6.651	2.5
21	MP2A	Mx	.006	2.5
22	MP2B	X	12.221	2.5
23	MP2B	Z	-7.056	2.5
24	MP2B	Mx	-.005	2.5
25	MP2C	X	14.746	2.5
26	MP2C	Z	-8.513	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
27	MP2C	Mx	0	2.5
28	MP3A	X	10.293	2
29	MP3A	Z	-5.943	2
30	MP3A	Mx	.005	2
31	MP3B	X	11.262	2
32	MP3B	Z	-6.502	2
33	MP3B	Mx	-.005	2
34	MP3C	X	14.746	2
35	MP3C	Z	-8.513	2
36	MP3C	Mx	0	2
37	MP5A	X	8.385	4.5
38	MP5A	Z	-4.841	4.5
39	MP5A	Mx	-.004	4.5
40	MP5B	X	9.272	4.5
41	MP5B	Z	-5.353	4.5
42	MP5B	Mx	.004	4.5
43	MP5C	X	12.462	4.5
44	MP5C	Z	-7.195	4.5
45	MP5C	Mx	0	4.5
46	MP2A	X	22.247	.75
47	MP2A	Z	-12.844	.75
48	MP2A	Mx	-.019	.75
49	MP2A	X	22.247	5.25
50	MP2A	Z	-12.844	5.25
51	MP2A	Mx	-.019	5.25
52	MP2B	X	23.638	.75
53	MP2B	Z	-13.647	.75
54	MP2B	Mx	.00022	.75
55	MP2B	X	23.638	5.25
56	MP2B	Z	-13.647	5.25
57	MP2B	Mx	.00022	5.25
58	MP2C	X	28.642	.75
59	MP2C	Z	-16.537	.75
60	MP2C	Mx	.019	.75
61	MP2C	X	28.642	5.25
62	MP2C	Z	-16.537	5.25
63	MP2C	Mx	.019	5.25
64	MP2A	X	22.247	.75
65	MP2A	Z	-12.844	.75
66	MP2A	Mx	-.004	.75
67	MP2A	X	22.247	5.25
68	MP2A	Z	-12.844	5.25
69	MP2A	Mx	-.004	5.25
70	MP2B	X	23.638	.75
71	MP2B	Z	-13.647	.75
72	MP2B	Mx	.021	.75
73	MP2B	X	23.638	5.25
74	MP2B	Z	-13.647	5.25
75	MP2B	Mx	.021	5.25
76	MP2C	X	28.642	.75
77	MP2C	Z	-16.537	.75
78	MP2C	Mx	-.019	.75
79	MP2C	X	28.642	5.25
80	MP2C	Z	-16.537	5.25
81	MP2C	Mx	-.019	5.25
82	MP3B	X	20.499	.25
83	MP3B	Z	-11.835	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP3B	Mx	.009	.25
85	MP3B	X	20.499	4.75
86	MP3B	Z	-11.835	4.75
87	MP3B	Mx	.009	4.75
88	MP3C	X	26.73	.25
89	MP3C	Z	-15.433	.25
90	MP3C	Mx	0	.25
91	MP3C	X	26.73	4.75
92	MP3C	Z	-15.433	4.75
93	MP3C	Mx	0	4.75
94	MP3A	X	21.604	.25
95	MP3A	Z	-12.473	.25
96	MP3A	Mx	-.011	.25
97	MP3A	X	21.604	4.75
98	MP3A	Z	-12.473	4.75
99	MP3A	Mx	-.011	4.75
100	M57	X	23.393	1
101	M57	Z	-13.506	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.722	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	-.004	.25
4	MP1A	X	8.722	1.75
5	MP1A	Z	0	1.75
6	MP1A	Mx	-.004	1.75
7	MP1B	X	18.408	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	.003	.25
10	MP1B	X	18.408	1.75
11	MP1B	Z	0	1.75
12	MP1B	Mx	.003	1.75
13	MP1C	X	16.949	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	.004	.25
16	MP1C	X	16.949	1.75
17	MP1C	Z	0	1.75
18	MP1C	Mx	.004	1.75
19	MP2A	X	12.059	2.5
20	MP2A	Z	0	2.5
21	MP2A	Mx	.006	2.5
22	MP2B	X	16.446	2.5
23	MP2B	Z	0	2.5
24	MP2B	Mx	-.003	2.5
25	MP2C	X	15.785	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	-.004	2.5
28	MP3A	X	10.172	2
29	MP3A	Z	0	2
30	MP3A	Mx	.005	2
31	MP3B	X	16.225	2
32	MP3B	Z	0	2
33	MP3B	Mx	-.003	2
34	MP3C	X	15.313	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
35	MP3C	Z	0	2
36	MP3C	Mx	-.004	2
37	MP5A	X	8.114	4.5
38	MP5A	Z	0	4.5
39	MP5A	Mx	-.004	4.5
40	MP5B	X	13.656	4.5
41	MP5B	Z	0	4.5
42	MP5B	Mx	.002	4.5
43	MP5C	X	12.821	4.5
44	MP5C	Z	0	4.5
45	MP5C	Mx	.003	4.5
46	MP2A	X	23.226	.75
47	MP2A	Z	0	.75
48	MP2A	Mx	-.012	.75
49	MP2A	X	23.226	5.25
50	MP2A	Z	0	5.25
51	MP2A	Mx	-.012	5.25
52	MP2B	X	31.921	.75
53	MP2B	Z	0	.75
54	MP2B	Mx	-.012	.75
55	MP2B	X	31.921	5.25
56	MP2B	Z	0	5.25
57	MP2B	Mx	-.012	5.25
58	MP2C	X	30.612	.75
59	MP2C	Z	0	.75
60	MP2C	Mx	.023	.75
61	MP2C	X	30.612	5.25
62	MP2C	Z	0	5.25
63	MP2C	Mx	.023	5.25
64	MP2A	X	23.226	.75
65	MP2A	Z	0	.75
66	MP2A	Mx	-.012	.75
67	MP2A	X	23.226	5.25
68	MP2A	Z	0	5.25
69	MP2A	Mx	-.012	5.25
70	MP2B	X	31.921	.75
71	MP2B	Z	0	.75
72	MP2B	Mx	.023	.75
73	MP2B	X	31.921	5.25
74	MP2B	Z	0	5.25
75	MP2B	Mx	.023	5.25
76	MP2C	X	30.612	.75
77	MP2C	Z	0	.75
78	MP2C	Mx	-.008	.75
79	MP2C	X	30.612	5.25
80	MP2C	Z	0	5.25
81	MP2C	Mx	-.008	5.25
82	MP3B	X	29.431	.25
83	MP3B	Z	0	.25
84	MP3B	Mx	.005	.25
85	MP3B	X	29.431	4.75
86	MP3B	Z	0	4.75
87	MP3B	Mx	.005	4.75
88	MP3C	X	27.8	.25
89	MP3C	Z	0	.25
90	MP3C	Mx	.007	.25
91	MP3C	X	27.8	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP3C	Z	0	4.75
93	MP3C	Mx	.007	4.75
94	MP3A	X	21.808	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	-.011	.25
97	MP3A	X	21.808	4.75
98	MP3A	Z	0	4.75
99	MP3A	Mx	-.011	4.75
100	M57	X	28.808	1
101	M57	Z	0	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	9.928	.25
2	MP1A	Z	5.732	.25
3	MP1A	Mx	-.005	.25
4	MP1A	X	9.928	1.75
5	MP1A	Z	5.732	1.75
6	MP1A	Mx	-.005	1.75
7	MP1B	X	16.767	.25
8	MP1B	Z	9.68	.25
9	MP1B	Mx	-.002	.25
10	MP1B	X	16.767	1.75
11	MP1B	Z	9.68	1.75
12	MP1B	Mx	-.002	1.75
13	MP1C	X	9.928	.25
14	MP1C	Z	5.732	.25
15	MP1C	Mx	.005	.25
16	MP1C	X	9.928	1.75
17	MP1C	Z	5.732	1.75
18	MP1C	Mx	.005	1.75
19	MP2A	X	11.519	2.5
20	MP2A	Z	6.651	2.5
21	MP2A	Mx	.006	2.5
22	MP2B	X	14.616	2.5
23	MP2B	Z	8.439	2.5
24	MP2B	Mx	.001	2.5
25	MP2C	X	11.519	2.5
26	MP2C	Z	6.651	2.5
27	MP2C	Mx	-.006	2.5
28	MP3A	X	10.293	2
29	MP3A	Z	5.943	2
30	MP3A	Mx	.005	2
31	MP3B	X	14.567	2
32	MP3B	Z	8.41	2
33	MP3B	Mx	.001	2
34	MP3C	X	10.293	2
35	MP3C	Z	5.943	2
36	MP3C	Mx	-.005	2
37	MP5A	X	8.385	4.5
38	MP5A	Z	4.841	4.5
39	MP5A	Mx	-.004	4.5
40	MP5B	X	12.298	4.5
41	MP5B	Z	7.1	4.5
42	MP5B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP5C	X	8.385	4.5
44	MP5C	Z	4.841	4.5
45	MP5C	Mx	.004	4.5
46	MP2A	X	22.247	.75
47	MP2A	Z	12.844	.75
48	MP2A	Mx	-.004	.75
49	MP2A	X	22.247	5.25
50	MP2A	Z	12.844	5.25
51	MP2A	Mx	-.004	5.25
52	MP2B	X	28.385	.75
53	MP2B	Z	16.388	.75
54	MP2B	Mx	-.022	.75
55	MP2B	X	28.385	5.25
56	MP2B	Z	16.388	5.25
57	MP2B	Mx	-.022	5.25
58	MP2C	X	22.247	.75
59	MP2C	Z	12.844	.75
60	MP2C	Mx	.019	.75
61	MP2C	X	22.247	5.25
62	MP2C	Z	12.844	5.25
63	MP2C	Mx	.019	5.25
64	MP2A	X	22.247	.75
65	MP2A	Z	12.844	.75
66	MP2A	Mx	-.019	.75
67	MP2A	X	22.247	5.25
68	MP2A	Z	12.844	5.25
69	MP2A	Mx	-.019	5.25
70	MP2B	X	28.385	.75
71	MP2B	Z	16.388	.75
72	MP2B	Mx	.016	.75
73	MP2B	X	28.385	5.25
74	MP2B	Z	16.388	5.25
75	MP2B	Mx	.016	5.25
76	MP2C	X	22.247	.75
77	MP2C	Z	12.844	.75
78	MP2C	Mx	.004	.75
79	MP2C	X	22.247	5.25
80	MP2C	Z	12.844	5.25
81	MP2C	Mx	.004	5.25
82	MP3B	X	26.41	.25
83	MP3B	Z	15.248	.25
84	MP3B	Mx	-.003	.25
85	MP3B	X	26.41	4.75
86	MP3B	Z	15.248	4.75
87	MP3B	Mx	-.003	4.75
88	MP3C	X	18.766	.25
89	MP3C	Z	10.834	.25
90	MP3C	Mx	.009	.25
91	MP3C	X	18.766	4.75
92	MP3C	Z	10.834	4.75
93	MP3C	Mx	.009	4.75
94	MP3A	X	21.604	.25
95	MP3A	Z	12.473	.25
96	MP3A	Mx	-.011	.25
97	MP3A	X	21.604	4.75
98	MP3A	Z	12.473	4.75
99	MP3A	Mx	-.011	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	M57	X	28.059	1
101	M57	Z	16.2	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.475	.25
2	MP1A	Z	14.678	.25
3	MP1A	Mx	-.004	.25
4	MP1A	X	8.475	1.75
5	MP1A	Z	14.678	1.75
6	MP1A	Mx	-.004	1.75
7	MP1B	X	7.58	.25
8	MP1B	Z	13.128	.25
9	MP1B	Mx	-.005	.25
10	MP1B	X	7.58	1.75
11	MP1B	Z	13.128	1.75
12	MP1B	Mx	-.005	1.75
13	MP1C	X	4.361	.25
14	MP1C	Z	7.553	.25
15	MP1C	Mx	.004	.25
16	MP1C	X	4.361	1.75
17	MP1C	Z	7.553	1.75
18	MP1C	Mx	.004	1.75
19	MP2A	X	7.893	2.5
20	MP2A	Z	13.67	2.5
21	MP2A	Mx	.004	2.5
22	MP2B	X	7.487	2.5
23	MP2B	Z	12.968	2.5
24	MP2B	Mx	.005	2.5
25	MP2C	X	6.03	2.5
26	MP2C	Z	10.444	2.5
27	MP2C	Mx	-.006	2.5
28	MP3A	X	7.657	2
29	MP3A	Z	13.262	2
30	MP3A	Mx	.004	2
31	MP3B	X	7.097	2
32	MP3B	Z	12.293	2
33	MP3B	Mx	.005	2
34	MP3C	X	5.086	2
35	MP3C	Z	8.809	2
36	MP3C	Mx	-.005	2
37	MP5A	X	6.41	4.5
38	MP5A	Z	11.103	4.5
39	MP5A	Mx	-.003	4.5
40	MP5B	X	5.898	4.5
41	MP5B	Z	10.216	4.5
42	MP5B	Mx	-.004	4.5
43	MP5C	X	4.057	4.5
44	MP5C	Z	7.027	4.5
45	MP5C	Mx	.004	4.5
46	MP2A	X	15.306	.75
47	MP2A	Z	26.51	.75
48	MP2A	Mx	.008	.75
49	MP2A	X	15.306	5.25
50	MP2A	Z	26.51	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
51	MP2A	Mx	.008	5.25
52	MP2B	X	14.502	.75
53	MP2B	Z	25.119	.75
54	MP2B	Mx	-.022	.75
55	MP2B	X	14.502	5.25
56	MP2B	Z	25.119	5.25
57	MP2B	Mx	-.022	5.25
58	MP2C	X	11.613	.75
59	MP2C	Z	20.115	.75
60	MP2C	Mx	.012	.75
61	MP2C	X	11.613	5.25
62	MP2C	Z	20.115	5.25
63	MP2C	Mx	.012	5.25
64	MP2A	X	15.306	.75
65	MP2A	Z	26.51	.75
66	MP2A	Mx	-.023	.75
67	MP2A	X	15.306	5.25
68	MP2A	Z	26.51	5.25
69	MP2A	Mx	-.023	5.25
70	MP2B	X	14.502	.75
71	MP2B	Z	25.119	.75
72	MP2B	Mx	.004	.75
73	MP2B	X	14.502	5.25
74	MP2B	Z	25.119	5.25
75	MP2B	Mx	.004	5.25
76	MP2C	X	11.613	.75
77	MP2C	Z	20.115	.75
78	MP2C	Mx	.012	.75
79	MP2C	X	11.613	5.25
80	MP2C	Z	20.115	5.25
81	MP2C	Mx	.012	5.25
82	MP3B	X	12.9	.25
83	MP3B	Z	22.343	.25
84	MP3B	Mx	-.008	.25
85	MP3B	X	12.9	4.75
86	MP3B	Z	22.343	4.75
87	MP3B	Mx	-.008	4.75
88	MP3C	X	9.302	.25
89	MP3C	Z	16.111	.25
90	MP3C	Mx	.009	.25
91	MP3C	X	9.302	4.75
92	MP3C	Z	16.111	4.75
93	MP3C	Mx	.009	4.75
94	MP3A	X	15.612	.25
95	MP3A	Z	27.041	.25
96	MP3A	Mx	-.008	.25
97	MP3A	X	15.612	4.75
98	MP3A	Z	27.041	4.75
99	MP3A	Mx	-.008	4.75
100	M57	X	17.098	1
101	M57	Z	29.615	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP1A	Z	19.692	.25
3	MP1A	Mx	0	.25
4	MP1A	X	0	1.75
5	MP1A	Z	19.692	1.75
6	MP1A	Mx	0	1.75
7	MP1B	X	0	.25
8	MP1B	Z	10.005	.25
9	MP1B	Mx	-.005	.25
10	MP1B	X	0	1.75
11	MP1B	Z	10.005	1.75
12	MP1B	Mx	-.005	1.75
13	MP1C	X	0	.25
14	MP1C	Z	11.464	.25
15	MP1C	Mx	.005	.25
16	MP1C	X	0	1.75
17	MP1C	Z	11.464	1.75
18	MP1C	Mx	.005	1.75
19	MP2A	X	0	2.5
20	MP2A	Z	17.027	2.5
21	MP2A	Mx	0	2.5
22	MP2B	X	0	2.5
23	MP2B	Z	12.641	2.5
24	MP2B	Mx	.006	2.5
25	MP2C	X	0	2.5
26	MP2C	Z	13.301	2.5
27	MP2C	Mx	-.006	2.5
28	MP3A	X	0	2
29	MP3A	Z	17.027	2
30	MP3A	Mx	0	2
31	MP3B	X	0	2
32	MP3B	Z	10.974	2
33	MP3B	Mx	.005	2
34	MP3C	X	0	2
35	MP3C	Z	11.886	2
36	MP3C	Mx	-.005	2
37	MP5A	X	0	4.5
38	MP5A	Z	14.39	4.5
39	MP5A	Mx	0	4.5
40	MP5B	X	0	4.5
41	MP5B	Z	8.848	4.5
42	MP5B	Mx	-.004	4.5
43	MP5C	X	0	4.5
44	MP5C	Z	9.683	4.5
45	MP5C	Mx	.004	4.5
46	MP2A	X	0	.75
47	MP2A	Z	33.073	.75
48	MP2A	Mx	.019	.75
49	MP2A	X	0	5.25
50	MP2A	Z	33.073	5.25
51	MP2A	Mx	.019	5.25
52	MP2B	X	0	.75
53	MP2B	Z	24.378	.75
54	MP2B	Mx	-.016	.75
55	MP2B	X	0	5.25
56	MP2B	Z	24.378	5.25
57	MP2B	Mx	-.016	5.25
58	MP2C	X	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
59	MP2C	Z	25.688	.75
60	MP2C	Mx	.004	.75
61	MP2C	X	0	5.25
62	MP2C	Z	25.688	5.25
63	MP2C	Mx	.004	5.25
64	MP2A	X	0	.75
65	MP2A	Z	33.073	.75
66	MP2A	Mx	-.019	.75
67	MP2A	X	0	5.25
68	MP2A	Z	33.073	5.25
69	MP2A	Mx	-.019	5.25
70	MP2B	X	0	.75
71	MP2B	Z	24.378	.75
72	MP2B	Mx	-.007	.75
73	MP2B	X	0	5.25
74	MP2B	Z	24.378	5.25
75	MP2B	Mx	-.007	5.25
76	MP2C	X	0	.75
77	MP2C	Z	25.688	.75
78	MP2C	Mx	.019	.75
79	MP2C	X	0	5.25
80	MP2C	Z	25.688	5.25
81	MP2C	Mx	.019	5.25
82	MP3B	X	0	.25
83	MP3B	Z	20.038	.25
84	MP3B	Mx	-.009	.25
85	MP3B	X	0	4.75
86	MP3B	Z	20.038	4.75
87	MP3B	Mx	-.009	4.75
88	MP3C	X	0	.25
89	MP3C	Z	21.669	.25
90	MP3C	Mx	.009	.25
91	MP3C	X	0	4.75
92	MP3C	Z	21.669	4.75
93	MP3C	Mx	.009	4.75
94	MP3A	X	0	.25
95	MP3A	Z	34.362	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	4.75
98	MP3A	Z	34.362	4.75
99	MP3A	Mx	0	4.75
100	M57	X	0	1
101	M57	Z	32.4	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-8.475	.25
2	MP1A	Z	14.678	.25
3	MP1A	Mx	.004	.25
4	MP1A	X	-8.475	1.75
5	MP1A	Z	14.678	1.75
6	MP1A	Mx	.004	1.75
7	MP1B	X	-4.526	.25
8	MP1B	Z	7.84	.25
9	MP1B	Mx	-.004	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP1B	X	-4.526	1.75
11	MP1B	Z	7.84	1.75
12	MP1B	Mx	-.004	1.75
13	MP1C	X	-8.475	.25
14	MP1C	Z	14.678	.25
15	MP1C	Mx	.004	.25
16	MP1C	X	-8.475	1.75
17	MP1C	Z	14.678	1.75
18	MP1C	Mx	.004	1.75
19	MP2A	X	-7.893	2.5
20	MP2A	Z	13.67	2.5
21	MP2A	Mx	-.004	2.5
22	MP2B	X	-6.105	2.5
23	MP2B	Z	10.574	2.5
24	MP2B	Mx	.006	2.5
25	MP2C	X	-7.893	2.5
26	MP2C	Z	13.67	2.5
27	MP2C	Mx	-.004	2.5
28	MP3A	X	-7.657	2
29	MP3A	Z	13.262	2
30	MP3A	Mx	-.004	2
31	MP3B	X	-5.189	2
32	MP3B	Z	8.988	2
33	MP3B	Mx	.005	2
34	MP3C	X	-7.657	2
35	MP3C	Z	13.262	2
36	MP3C	Mx	-.004	2
37	MP5A	X	-6.41	4.5
38	MP5A	Z	11.103	4.5
39	MP5A	Mx	.003	4.5
40	MP5B	X	-4.151	4.5
41	MP5B	Z	7.191	4.5
42	MP5B	Mx	-.004	4.5
43	MP5C	X	-6.41	4.5
44	MP5C	Z	11.103	4.5
45	MP5C	Mx	.003	4.5
46	MP2A	X	-15.306	.75
47	MP2A	Z	26.51	.75
48	MP2A	Mx	.023	.75
49	MP2A	X	-15.306	5.25
50	MP2A	Z	26.51	5.25
51	MP2A	Mx	.023	5.25
52	MP2B	X	-11.762	.75
53	MP2B	Z	20.372	.75
54	MP2B	Mx	-.009	.75
55	MP2B	X	-11.762	5.25
56	MP2B	Z	20.372	5.25
57	MP2B	Mx	-.009	5.25
58	MP2C	X	-15.306	.75
59	MP2C	Z	26.51	.75
60	MP2C	Mx	-.008	.75
61	MP2C	X	-15.306	5.25
62	MP2C	Z	26.51	5.25
63	MP2C	Mx	-.008	5.25
64	MP2A	X	-15.306	.75
65	MP2A	Z	26.51	.75
66	MP2A	Mx	-.008	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
67	MP2A	X	-15.306	5.25
68	MP2A	Z	26.51	5.25
69	MP2A	Mx	-.008	5.25
70	MP2B	X	-11.762	.75
71	MP2B	Z	20.372	.75
72	MP2B	Mx	-.014	.75
73	MP2B	X	-11.762	5.25
74	MP2B	Z	20.372	5.25
75	MP2B	Mx	-.014	5.25
76	MP2C	X	-15.306	.75
77	MP2C	Z	26.51	.75
78	MP2C	Mx	.023	.75
79	MP2C	X	-15.306	5.25
80	MP2C	Z	26.51	5.25
81	MP2C	Mx	.023	5.25
82	MP3B	X	-9.486	.25
83	MP3B	Z	16.431	.25
84	MP3B	Mx	-.009	.25
85	MP3B	X	-9.486	4.75
86	MP3B	Z	16.431	4.75
87	MP3B	Mx	-.009	4.75
88	MP3C	X	-13.9	.25
89	MP3C	Z	24.075	.25
90	MP3C	Mx	.007	.25
91	MP3C	X	-13.9	4.75
92	MP3C	Z	24.075	4.75
93	MP3C	Mx	.007	4.75
94	MP3A	X	-15.612	.25
95	MP3A	Z	27.041	.25
96	MP3A	Mx	.008	.25
97	MP3A	X	-15.612	4.75
98	MP3A	Z	27.041	4.75
99	MP3A	Mx	.008	4.75
100	M57	X	-14.404	1
101	M57	Z	24.948	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-9.928	.25
2	MP1A	Z	5.732	.25
3	MP1A	Mx	.005	.25
4	MP1A	X	-9.928	1.75
5	MP1A	Z	5.732	1.75
6	MP1A	Mx	.005	1.75
7	MP1B	X	-11.479	.25
8	MP1B	Z	6.627	.25
9	MP1B	Mx	-.005	.25
10	MP1B	X	-11.479	1.75
11	MP1B	Z	6.627	1.75
12	MP1B	Mx	-.005	1.75
13	MP1C	X	-17.053	.25
14	MP1C	Z	9.846	.25
15	MP1C	Mx	0	.25
16	MP1C	X	-17.053	1.75
17	MP1C	Z	9.846	1.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP1C	Mx	0	1.75
19	MP2A	X	-11.519	2.5
20	MP2A	Z	6.651	2.5
21	MP2A	Mx	-.006	2.5
22	MP2B	X	-12.221	2.5
23	MP2B	Z	7.056	2.5
24	MP2B	Mx	.005	2.5
25	MP2C	X	-14.746	2.5
26	MP2C	Z	8.513	2.5
27	MP2C	Mx	0	2.5
28	MP3A	X	-10.293	2
29	MP3A	Z	5.943	2
30	MP3A	Mx	-.005	2
31	MP3B	X	-11.262	2
32	MP3B	Z	6.502	2
33	MP3B	Mx	.005	2
34	MP3C	X	-14.746	2
35	MP3C	Z	8.513	2
36	MP3C	Mx	0	2
37	MP5A	X	-8.385	4.5
38	MP5A	Z	4.841	4.5
39	MP5A	Mx	.004	4.5
40	MP5B	X	-9.272	4.5
41	MP5B	Z	5.353	4.5
42	MP5B	Mx	-.004	4.5
43	MP5C	X	-12.462	4.5
44	MP5C	Z	7.195	4.5
45	MP5C	Mx	0	4.5
46	MP2A	X	-22.247	.75
47	MP2A	Z	12.844	.75
48	MP2A	Mx	.019	.75
49	MP2A	X	-22.247	5.25
50	MP2A	Z	12.844	5.25
51	MP2A	Mx	.019	5.25
52	MP2B	X	-23.638	.75
53	MP2B	Z	13.647	.75
54	MP2B	Mx	-.00022	.75
55	MP2B	X	-23.638	5.25
56	MP2B	Z	13.647	5.25
57	MP2B	Mx	-.00022	5.25
58	MP2C	X	-28.642	.75
59	MP2C	Z	16.537	.75
60	MP2C	Mx	-.019	.75
61	MP2C	X	-28.642	5.25
62	MP2C	Z	16.537	5.25
63	MP2C	Mx	-.019	5.25
64	MP2A	X	-22.247	.75
65	MP2A	Z	12.844	.75
66	MP2A	Mx	.004	.75
67	MP2A	X	-22.247	5.25
68	MP2A	Z	12.844	5.25
69	MP2A	Mx	.004	5.25
70	MP2B	X	-23.638	.75
71	MP2B	Z	13.647	.75
72	MP2B	Mx	-.021	.75
73	MP2B	X	-23.638	5.25
74	MP2B	Z	13.647	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2B	Mx	-.021	5.25
76	MP2C	X	-28.642	.75
77	MP2C	Z	16.537	.75
78	MP2C	Mx	.019	.75
79	MP2C	X	-28.642	5.25
80	MP2C	Z	16.537	5.25
81	MP2C	Mx	.019	5.25
82	MP3B	X	-20.499	.25
83	MP3B	Z	11.835	.25
84	MP3B	Mx	-.009	.25
85	MP3B	X	-20.499	4.75
86	MP3B	Z	11.835	4.75
87	MP3B	Mx	-.009	4.75
88	MP3C	X	-26.73	.25
89	MP3C	Z	15.433	.25
90	MP3C	Mx	0	.25
91	MP3C	X	-26.73	4.75
92	MP3C	Z	15.433	4.75
93	MP3C	Mx	0	4.75
94	MP3A	X	-21.604	.25
95	MP3A	Z	12.473	.25
96	MP3A	Mx	.011	.25
97	MP3A	X	-21.604	4.75
98	MP3A	Z	12.473	4.75
99	MP3A	Mx	.011	4.75
100	M57	X	-23.393	1
101	M57	Z	13.506	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.722	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	.004	.25
4	MP1A	X	-8.722	1.75
5	MP1A	Z	0	1.75
6	MP1A	Mx	.004	1.75
7	MP1B	X	-18.408	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	-.003	.25
10	MP1B	X	-18.408	1.75
11	MP1B	Z	0	1.75
12	MP1B	Mx	-.003	1.75
13	MP1C	X	-16.949	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	-.004	.25
16	MP1C	X	-16.949	1.75
17	MP1C	Z	0	1.75
18	MP1C	Mx	-.004	1.75
19	MP2A	X	-12.059	2.5
20	MP2A	Z	0	2.5
21	MP2A	Mx	-.006	2.5
22	MP2B	X	-16.446	2.5
23	MP2B	Z	0	2.5
24	MP2B	Mx	.003	2.5
25	MP2C	X	-15.785	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2C	Z	0	2.5
27	MP2C	Mx	.004	2.5
28	MP3A	X	-10.172	2
29	MP3A	Z	0	2
30	MP3A	Mx	-.005	2
31	MP3B	X	-16.225	2
32	MP3B	Z	0	2
33	MP3B	Mx	.003	2
34	MP3C	X	-15.313	2
35	MP3C	Z	0	2
36	MP3C	Mx	.004	2
37	MP5A	X	-8.114	4.5
38	MP5A	Z	0	4.5
39	MP5A	Mx	.004	4.5
40	MP5B	X	-13.656	4.5
41	MP5B	Z	0	4.5
42	MP5B	Mx	-.002	4.5
43	MP5C	X	-12.821	4.5
44	MP5C	Z	0	4.5
45	MP5C	Mx	-.003	4.5
46	MP2A	X	-23.226	.75
47	MP2A	Z	0	.75
48	MP2A	Mx	.012	.75
49	MP2A	X	-23.226	5.25
50	MP2A	Z	0	5.25
51	MP2A	Mx	.012	5.25
52	MP2B	X	-31.921	.75
53	MP2B	Z	0	.75
54	MP2B	Mx	.012	.75
55	MP2B	X	-31.921	5.25
56	MP2B	Z	0	5.25
57	MP2B	Mx	.012	5.25
58	MP2C	X	-30.612	.75
59	MP2C	Z	0	.75
60	MP2C	Mx	-.023	.75
61	MP2C	X	-30.612	5.25
62	MP2C	Z	0	5.25
63	MP2C	Mx	-.023	5.25
64	MP2A	X	-23.226	.75
65	MP2A	Z	0	.75
66	MP2A	Mx	.012	.75
67	MP2A	X	-23.226	5.25
68	MP2A	Z	0	5.25
69	MP2A	Mx	.012	5.25
70	MP2B	X	-31.921	.75
71	MP2B	Z	0	.75
72	MP2B	Mx	-.023	.75
73	MP2B	X	-31.921	5.25
74	MP2B	Z	0	5.25
75	MP2B	Mx	-.023	5.25
76	MP2C	X	-30.612	.75
77	MP2C	Z	0	.75
78	MP2C	Mx	.008	.75
79	MP2C	X	-30.612	5.25
80	MP2C	Z	0	5.25
81	MP2C	Mx	.008	5.25
82	MP3B	X	-29.431	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
83	MP3B	Z	0	.25
84	MP3B	Mx	-.005	.25
85	MP3B	X	-29.431	4.75
86	MP3B	Z	0	4.75
87	MP3B	Mx	-.005	4.75
88	MP3C	X	-27.8	.25
89	MP3C	Z	0	.25
90	MP3C	Mx	-.007	.25
91	MP3C	X	-27.8	4.75
92	MP3C	Z	0	4.75
93	MP3C	Mx	-.007	4.75
94	MP3A	X	-21.808	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	.011	.25
97	MP3A	X	-21.808	4.75
98	MP3A	Z	0	4.75
99	MP3A	Mx	.011	4.75
100	M57	X	-28.808	1
101	M57	Z	0	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-9.928	.25
2	MP1A	Z	-5.732	.25
3	MP1A	Mx	.005	.25
4	MP1A	X	-9.928	1.75
5	MP1A	Z	-5.732	1.75
6	MP1A	Mx	.005	1.75
7	MP1B	X	-16.767	.25
8	MP1B	Z	-9.68	.25
9	MP1B	Mx	.002	.25
10	MP1B	X	-16.767	1.75
11	MP1B	Z	-9.68	1.75
12	MP1B	Mx	.002	1.75
13	MP1C	X	-9.928	.25
14	MP1C	Z	-5.732	.25
15	MP1C	Mx	-.005	.25
16	MP1C	X	-9.928	1.75
17	MP1C	Z	-5.732	1.75
18	MP1C	Mx	-.005	1.75
19	MP2A	X	-11.519	2.5
20	MP2A	Z	-6.651	2.5
21	MP2A	Mx	-.006	2.5
22	MP2B	X	-14.616	2.5
23	MP2B	Z	-8.439	2.5
24	MP2B	Mx	-.001	2.5
25	MP2C	X	-11.519	2.5
26	MP2C	Z	-6.651	2.5
27	MP2C	Mx	.006	2.5
28	MP3A	X	-10.293	2
29	MP3A	Z	-5.943	2
30	MP3A	Mx	-.005	2
31	MP3B	X	-14.567	2
32	MP3B	Z	-8.41	2
33	MP3B	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	-10.293	2
35	MP3C	Z	-5.943	2
36	MP3C	Mx	.005	2
37	MP5A	X	-8.385	4.5
38	MP5A	Z	-4.841	4.5
39	MP5A	Mx	.004	4.5
40	MP5B	X	-12.298	4.5
41	MP5B	Z	-7.1	4.5
42	MP5B	Mx	.001	4.5
43	MP5C	X	-8.385	4.5
44	MP5C	Z	-4.841	4.5
45	MP5C	Mx	-.004	4.5
46	MP2A	X	-22.247	.75
47	MP2A	Z	-12.844	.75
48	MP2A	Mx	.004	.75
49	MP2A	X	-22.247	5.25
50	MP2A	Z	-12.844	5.25
51	MP2A	Mx	.004	5.25
52	MP2B	X	-28.385	.75
53	MP2B	Z	-16.388	.75
54	MP2B	Mx	.022	.75
55	MP2B	X	-28.385	5.25
56	MP2B	Z	-16.388	5.25
57	MP2B	Mx	.022	5.25
58	MP2C	X	-22.247	.75
59	MP2C	Z	-12.844	.75
60	MP2C	Mx	-.019	.75
61	MP2C	X	-22.247	5.25
62	MP2C	Z	-12.844	5.25
63	MP2C	Mx	-.019	5.25
64	MP2A	X	-22.247	.75
65	MP2A	Z	-12.844	.75
66	MP2A	Mx	.019	.75
67	MP2A	X	-22.247	5.25
68	MP2A	Z	-12.844	5.25
69	MP2A	Mx	.019	5.25
70	MP2B	X	-28.385	.75
71	MP2B	Z	-16.388	.75
72	MP2B	Mx	-.016	.75
73	MP2B	X	-28.385	5.25
74	MP2B	Z	-16.388	5.25
75	MP2B	Mx	-.016	5.25
76	MP2C	X	-22.247	.75
77	MP2C	Z	-12.844	.75
78	MP2C	Mx	-.004	.75
79	MP2C	X	-22.247	5.25
80	MP2C	Z	-12.844	5.25
81	MP2C	Mx	-.004	5.25
82	MP3B	X	-26.41	.25
83	MP3B	Z	-15.248	.25
84	MP3B	Mx	.003	.25
85	MP3B	X	-26.41	4.75
86	MP3B	Z	-15.248	4.75
87	MP3B	Mx	.003	4.75
88	MP3C	X	-18.766	.25
89	MP3C	Z	-10.834	.25
90	MP3C	Mx	-.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP3C	X	-18.766	4.75
92	MP3C	Z	-10.834	4.75
93	MP3C	Mx	-.009	4.75
94	MP3A	X	-21.604	.25
95	MP3A	Z	-12.473	.25
96	MP3A	Mx	.011	.25
97	MP3A	X	-21.604	4.75
98	MP3A	Z	-12.473	4.75
99	MP3A	Mx	.011	4.75
100	M57	X	-28.059	1
101	M57	Z	-16.2	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.475	.25
2	MP1A	Z	-14.678	.25
3	MP1A	Mx	.004	.25
4	MP1A	X	-8.475	1.75
5	MP1A	Z	-14.678	1.75
6	MP1A	Mx	.004	1.75
7	MP1B	X	-7.58	.25
8	MP1B	Z	-13.128	.25
9	MP1B	Mx	.005	.25
10	MP1B	X	-7.58	1.75
11	MP1B	Z	-13.128	1.75
12	MP1B	Mx	.005	1.75
13	MP1C	X	-4.361	.25
14	MP1C	Z	-7.553	.25
15	MP1C	Mx	-.004	.25
16	MP1C	X	-4.361	1.75
17	MP1C	Z	-7.553	1.75
18	MP1C	Mx	-.004	1.75
19	MP2A	X	-7.893	2.5
20	MP2A	Z	-13.67	2.5
21	MP2A	Mx	-.004	2.5
22	MP2B	X	-7.487	2.5
23	MP2B	Z	-12.968	2.5
24	MP2B	Mx	-.005	2.5
25	MP2C	X	-6.03	2.5
26	MP2C	Z	-10.444	2.5
27	MP2C	Mx	.006	2.5
28	MP3A	X	-7.657	2
29	MP3A	Z	-13.262	2
30	MP3A	Mx	-.004	2
31	MP3B	X	-7.097	2
32	MP3B	Z	-12.293	2
33	MP3B	Mx	-.005	2
34	MP3C	X	-5.086	2
35	MP3C	Z	-8.809	2
36	MP3C	Mx	.005	2
37	MP5A	X	-6.41	4.5
38	MP5A	Z	-11.103	4.5
39	MP5A	Mx	.003	4.5
40	MP5B	X	-5.898	4.5
41	MP5B	Z	-10.216	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
42	MP5B	Mx	.004	4.5
43	MP5C	X	-4.057	4.5
44	MP5C	Z	-7.027	4.5
45	MP5C	Mx	-.004	4.5
46	MP2A	X	-15.306	.75
47	MP2A	Z	-26.51	.75
48	MP2A	Mx	-.008	.75
49	MP2A	X	-15.306	5.25
50	MP2A	Z	-26.51	5.25
51	MP2A	Mx	-.008	5.25
52	MP2B	X	-14.502	.75
53	MP2B	Z	-25.119	.75
54	MP2B	Mx	.022	.75
55	MP2B	X	-14.502	5.25
56	MP2B	Z	-25.119	5.25
57	MP2B	Mx	.022	5.25
58	MP2C	X	-11.613	.75
59	MP2C	Z	-20.115	.75
60	MP2C	Mx	-.012	.75
61	MP2C	X	-11.613	5.25
62	MP2C	Z	-20.115	5.25
63	MP2C	Mx	-.012	5.25
64	MP2A	X	-15.306	.75
65	MP2A	Z	-26.51	.75
66	MP2A	Mx	.023	.75
67	MP2A	X	-15.306	5.25
68	MP2A	Z	-26.51	5.25
69	MP2A	Mx	.023	5.25
70	MP2B	X	-14.502	.75
71	MP2B	Z	-25.119	.75
72	MP2B	Mx	-.004	.75
73	MP2B	X	-14.502	5.25
74	MP2B	Z	-25.119	5.25
75	MP2B	Mx	-.004	5.25
76	MP2C	X	-11.613	.75
77	MP2C	Z	-20.115	.75
78	MP2C	Mx	-.012	.75
79	MP2C	X	-11.613	5.25
80	MP2C	Z	-20.115	5.25
81	MP2C	Mx	-.012	5.25
82	MP3B	X	-12.9	.25
83	MP3B	Z	-22.343	.25
84	MP3B	Mx	.008	.25
85	MP3B	X	-12.9	4.75
86	MP3B	Z	-22.343	4.75
87	MP3B	Mx	.008	4.75
88	MP3C	X	-9.302	.25
89	MP3C	Z	-16.111	.25
90	MP3C	Mx	-.009	.25
91	MP3C	X	-9.302	4.75
92	MP3C	Z	-16.111	4.75
93	MP3C	Mx	-.009	4.75
94	MP3A	X	-15.612	.25
95	MP3A	Z	-27.041	.25
96	MP3A	Mx	.008	.25
97	MP3A	X	-15.612	4.75
98	MP3A	Z	-27.041	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
99	MP3A	Mx	.008	4.75
100	M57	X	-17.098	1
101	M57	Z	-29.615	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	.25
2	MP1A	Z	-5.942	.25
3	MP1A	Mx	0	.25
4	MP1A	X	0	1.75
5	MP1A	Z	-5.942	1.75
6	MP1A	Mx	0	1.75
7	MP1B	X	0	.25
8	MP1B	Z	-2.749	.25
9	MP1B	Mx	.001	.25
10	MP1B	X	0	1.75
11	MP1B	Z	-2.749	1.75
12	MP1B	Mx	.001	1.75
13	MP1C	X	0	.25
14	MP1C	Z	-3.23	.25
15	MP1C	Mx	-.001	.25
16	MP1C	X	0	1.75
17	MP1C	Z	-3.23	1.75
18	MP1C	Mx	-.001	1.75
19	MP2A	X	0	2.5
20	MP2A	Z	-4.728	2.5
21	MP2A	Mx	0	2.5
22	MP2B	X	0	2.5
23	MP2B	Z	-3.344	2.5
24	MP2B	Mx	-.002	2.5
25	MP2C	X	0	2.5
26	MP2C	Z	-3.552	2.5
27	MP2C	Mx	.002	2.5
28	MP3A	X	0	2
29	MP3A	Z	-4.728	2
30	MP3A	Mx	0	2
31	MP3B	X	0	2
32	MP3B	Z	-2.814	2
33	MP3B	Mx	-.001	2
34	MP3C	X	0	2
35	MP3C	Z	-3.102	2
36	MP3C	Mx	.001	2
37	MP5A	X	0	4.5
38	MP5A	Z	-3.894	4.5
39	MP5A	Mx	0	4.5
40	MP5B	X	0	4.5
41	MP5B	Z	-2.141	4.5
42	MP5B	Mx	.001	4.5
43	MP5C	X	0	4.5
44	MP5C	Z	-2.405	4.5
45	MP5C	Mx	-.001	4.5
46	MP2A	X	0	.75
47	MP2A	Z	-10.316	.75
48	MP2A	Mx	-.006	.75
49	MP2A	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2A	Z	-10.316	5.25
51	MP2A	Mx	-.006	5.25
52	MP2B	X	0	.75
53	MP2B	Z	-7.231	.75
54	MP2B	Mx	.005	.75
55	MP2B	X	0	5.25
56	MP2B	Z	-7.231	5.25
57	MP2B	Mx	.005	5.25
58	MP2C	X	0	.75
59	MP2C	Z	-7.696	.75
60	MP2C	Mx	-.001	.75
61	MP2C	X	0	5.25
62	MP2C	Z	-7.696	5.25
63	MP2C	Mx	-.001	5.25
64	MP2A	X	0	.75
65	MP2A	Z	-10.316	.75
66	MP2A	Mx	.006	.75
67	MP2A	X	0	5.25
68	MP2A	Z	-10.316	5.25
69	MP2A	Mx	.006	5.25
70	MP2B	X	0	.75
71	MP2B	Z	-7.231	.75
72	MP2B	Mx	.002	.75
73	MP2B	X	0	5.25
74	MP2B	Z	-7.231	5.25
75	MP2B	Mx	.002	5.25
76	MP2C	X	0	.75
77	MP2C	Z	-7.696	.75
78	MP2C	Mx	-.006	.75
79	MP2C	X	0	5.25
80	MP2C	Z	-7.696	5.25
81	MP2C	Mx	-.006	5.25
82	MP3B	X	0	.25
83	MP3B	Z	-5.761	.25
84	MP3B	Mx	.003	.25
85	MP3B	X	0	4.75
86	MP3B	Z	-5.761	4.75
87	MP3B	Mx	.003	4.75
88	MP3C	X	0	.25
89	MP3C	Z	-6.335	.25
90	MP3C	Mx	-.003	.25
91	MP3C	X	0	4.75
92	MP3C	Z	-6.335	4.75
93	MP3C	Mx	-.003	4.75
94	MP3A	X	0	.25
95	MP3A	Z	-10.746	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	4.75
98	MP3A	Z	-10.746	4.75
99	MP3A	Mx	0	4.75
100	M57	X	0	1
101	M57	Z	-9.657	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	2.519	.25
2	MP1A	Z	-4.363	.25
3	MP1A	Mx	-.001	.25
4	MP1A	X	2.519	1.75
5	MP1A	Z	-4.363	1.75
6	MP1A	Mx	-.001	1.75
7	MP1B	X	1.218	.25
8	MP1B	Z	-2.109	.25
9	MP1B	Mx	.001	.25
10	MP1B	X	1.218	1.75
11	MP1B	Z	-2.109	1.75
12	MP1B	Mx	.001	1.75
13	MP1C	X	2.519	.25
14	MP1C	Z	-4.363	.25
15	MP1C	Mx	-.001	.25
16	MP1C	X	2.519	1.75
17	MP1C	Z	-4.363	1.75
18	MP1C	Mx	-.001	1.75
19	MP2A	X	2.168	2.5
20	MP2A	Z	-3.755	2.5
21	MP2A	Mx	.001	2.5
22	MP2B	X	1.604	2.5
23	MP2B	Z	-2.778	2.5
24	MP2B	Mx	-.002	2.5
25	MP2C	X	2.168	2.5
26	MP2C	Z	-3.755	2.5
27	MP2C	Mx	.001	2.5
28	MP3A	X	2.093	2
29	MP3A	Z	-3.625	2
30	MP3A	Mx	.001	2
31	MP3B	X	1.313	2
32	MP3B	Z	-2.274	2
33	MP3B	Mx	-.001	2
34	MP3C	X	2.093	2
35	MP3C	Z	-3.625	2
36	MP3C	Mx	.001	2
37	MP5A	X	1.699	4.5
38	MP5A	Z	-2.942	4.5
39	MP5A	Mx	-.00085	4.5
40	MP5B	X	.984	4.5
41	MP5B	Z	-1.705	4.5
42	MP5B	Mx	.000969	4.5
43	MP5C	X	1.699	4.5
44	MP5C	Z	-2.942	4.5
45	MP5C	Mx	-.000849	4.5
46	MP2A	X	4.721	.75
47	MP2A	Z	-8.178	.75
48	MP2A	Mx	-.007	.75
49	MP2A	X	4.721	5.25
50	MP2A	Z	-8.178	5.25
51	MP2A	Mx	-.007	5.25
52	MP2B	X	3.464	.75
53	MP2B	Z	-5.999	.75
54	MP2B	Mx	.003	.75
55	MP2B	X	3.464	5.25
56	MP2B	Z	-5.999	5.25
57	MP2B	Mx	.003	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP2C	X	4.721	.75
59	MP2C	Z	-8.178	.75
60	MP2C	Mx	.002	.75
61	MP2C	X	4.721	5.25
62	MP2C	Z	-8.178	5.25
63	MP2C	Mx	.002	5.25
64	MP2A	X	4.721	.75
65	MP2A	Z	-8.178	.75
66	MP2A	Mx	.002	.75
67	MP2A	X	4.721	5.25
68	MP2A	Z	-8.178	5.25
69	MP2A	Mx	.002	5.25
70	MP2B	X	3.464	.75
71	MP2B	Z	-5.999	.75
72	MP2B	Mx	.004	.75
73	MP2B	X	3.464	5.25
74	MP2B	Z	-5.999	5.25
75	MP2B	Mx	.004	5.25
76	MP2C	X	4.721	.75
77	MP2C	Z	-8.178	.75
78	MP2C	Mx	-.007	.75
79	MP2C	X	4.721	5.25
80	MP2C	Z	-8.178	5.25
81	MP2C	Mx	-.007	5.25
82	MP3B	X	2.693	.25
83	MP3B	Z	-4.665	.25
84	MP3B	Mx	.003	.25
85	MP3B	X	2.693	4.75
86	MP3B	Z	-4.665	4.75
87	MP3B	Mx	.003	4.75
88	MP3C	X	4.246	.25
89	MP3C	Z	-7.354	.25
90	MP3C	Mx	-.002	.25
91	MP3C	X	4.246	4.75
92	MP3C	Z	-7.354	4.75
93	MP3C	Mx	-.002	4.75
94	MP3A	X	4.818	.25
95	MP3A	Z	-8.345	.25
96	MP3A	Mx	-.002	.25
97	MP3A	X	4.818	4.75
98	MP3A	Z	-8.345	4.75
99	MP3A	Mx	-.002	4.75
100	M57	X	4.22	1
101	M57	Z	-7.31	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	2.797	.25
2	MP1A	Z	-1.615	.25
3	MP1A	Mx	-.001	.25
4	MP1A	X	2.797	1.75
5	MP1A	Z	-1.615	1.75
6	MP1A	Mx	-.001	1.75
7	MP1B	X	3.308	.25
8	MP1B	Z	-1.91	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP1B	Mx	.001	.25
10	MP1B	X	3.308	1.75
11	MP1B	Z	-1.91	1.75
12	MP1B	Mx	.001	1.75
13	MP1C	X	5.146	.25
14	MP1C	Z	-2.971	.25
15	MP1C	Mx	0	.25
16	MP1C	X	5.146	1.75
17	MP1C	Z	-2.971	1.75
18	MP1C	Mx	0	1.75
19	MP2A	X	3.077	2.5
20	MP2A	Z	-1.776	2.5
21	MP2A	Mx	.002	2.5
22	MP2B	X	3.298	2.5
23	MP2B	Z	-1.904	2.5
24	MP2B	Mx	-.001	2.5
25	MP2C	X	4.095	2.5
26	MP2C	Z	-2.364	2.5
27	MP2C	Mx	0	2.5
28	MP3A	X	2.687	2
29	MP3A	Z	-1.551	2
30	MP3A	Mx	.001	2
31	MP3B	X	2.993	2
32	MP3B	Z	-1.728	2
33	MP3B	Mx	-.001	2
34	MP3C	X	4.095	2
35	MP3C	Z	-2.364	2
36	MP3C	Mx	0	2
37	MP5A	X	2.083	4.5
38	MP5A	Z	-1.202	4.5
39	MP5A	Mx	-.001	4.5
40	MP5B	X	2.363	4.5
41	MP5B	Z	-1.364	4.5
42	MP5B	Mx	.001	4.5
43	MP5C	X	3.372	4.5
44	MP5C	Z	-1.947	4.5
45	MP5C	Mx	0	4.5
46	MP2A	X	6.665	.75
47	MP2A	Z	-3.848	.75
48	MP2A	Mx	-.006	.75
49	MP2A	X	6.665	5.25
50	MP2A	Z	-3.848	5.25
51	MP2A	Mx	-.006	5.25
52	MP2B	X	7.158	.75
53	MP2B	Z	-4.133	.75
54	MP2B	Mx	6.7e-5	.75
55	MP2B	X	7.158	5.25
56	MP2B	Z	-4.133	5.25
57	MP2B	Mx	6.7e-5	5.25
58	MP2C	X	8.934	.75
59	MP2C	Z	-5.158	.75
60	MP2C	Mx	.006	.75
61	MP2C	X	8.934	5.25
62	MP2C	Z	-5.158	5.25
63	MP2C	Mx	.006	5.25
64	MP2A	X	6.665	.75
65	MP2A	Z	-3.848	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	-.001	.75
67	MP2A	X	6.665	5.25
68	MP2A	Z	-3.848	5.25
69	MP2A	Mx	-.001	5.25
70	MP2B	X	7.158	.75
71	MP2B	Z	-4.133	.75
72	MP2B	Mx	.006	.75
73	MP2B	X	7.158	5.25
74	MP2B	Z	-4.133	5.25
75	MP2B	Mx	.006	5.25
76	MP2C	X	8.934	.75
77	MP2C	Z	-5.158	.75
78	MP2C	Mx	-.006	.75
79	MP2C	X	8.934	5.25
80	MP2C	Z	-5.158	5.25
81	MP2C	Mx	-.006	5.25
82	MP3B	X	6.096	.25
83	MP3B	Z	-3.52	.25
84	MP3B	Mx	.003	.25
85	MP3B	X	6.096	4.75
86	MP3B	Z	-3.52	4.75
87	MP3B	Mx	.003	4.75
88	MP3C	X	8.288	.25
89	MP3C	Z	-4.785	.25
90	MP3C	Mx	0	.25
91	MP3C	X	8.288	4.75
92	MP3C	Z	-4.785	4.75
93	MP3C	Mx	0	4.75
94	MP3A	X	6.424	.25
95	MP3A	Z	-3.709	.25
96	MP3A	Mx	-.003	.25
97	MP3A	X	6.424	4.75
98	MP3A	Z	-3.709	4.75
99	MP3A	Mx	-.003	4.75
100	M57	X	6.783	1
101	M57	Z	-3.916	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.326	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	-.001	.25
4	MP1A	X	2.326	1.75
5	MP1A	Z	0	1.75
6	MP1A	Mx	-.001	1.75
7	MP1B	X	5.519	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	.000944	.25
10	MP1B	X	5.519	1.75
11	MP1B	Z	0	1.75
12	MP1B	Mx	.000944	1.75
13	MP1C	X	5.038	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	.001	.25
16	MP1C	X	5.038	1.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
17	MP1C	Z	0	1.75
18	MP1C	Mx	.001	1.75
19	MP2A	X	3.161	2.5
20	MP2A	Z	0	2.5
21	MP2A	Mx	.002	2.5
22	MP2B	X	4.545	2.5
23	MP2B	Z	0	2.5
24	MP2B	Mx	-.000777	2.5
25	MP2C	X	4.336	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	-.001	2.5
28	MP3A	X	2.56	2
29	MP3A	Z	0	2
30	MP3A	Mx	.001	2
31	MP3B	X	4.475	2
32	MP3B	Z	0	2
33	MP3B	Mx	-.000765	2
34	MP3C	X	4.186	2
35	MP3C	Z	0	2
36	MP3C	Mx	-.001	2
37	MP5A	X	1.908	4.5
38	MP5A	Z	0	4.5
39	MP5A	Mx	-.000954	4.5
40	MP5B	X	3.662	4.5
41	MP5B	Z	0	4.5
42	MP5B	Mx	.000626	4.5
43	MP5C	X	3.397	4.5
44	MP5C	Z	0	4.5
45	MP5C	Mx	.000849	4.5
46	MP2A	X	6.822	.75
47	MP2A	Z	0	.75
48	MP2A	Mx	-.003	.75
49	MP2A	X	6.822	5.25
50	MP2A	Z	0	5.25
51	MP2A	Mx	-.003	5.25
52	MP2B	X	9.907	.75
53	MP2B	Z	0	.75
54	MP2B	Mx	-.004	.75
55	MP2B	X	9.907	5.25
56	MP2B	Z	0	5.25
57	MP2B	Mx	-.004	5.25
58	MP2C	X	9.443	.75
59	MP2C	Z	0	.75
60	MP2C	Mx	.007	.75
61	MP2C	X	9.443	5.25
62	MP2C	Z	0	5.25
63	MP2C	Mx	.007	5.25
64	MP2A	X	6.822	.75
65	MP2A	Z	0	.75
66	MP2A	Mx	-.003	.75
67	MP2A	X	6.822	5.25
68	MP2A	Z	0	5.25
69	MP2A	Mx	-.003	5.25
70	MP2B	X	9.907	.75
71	MP2B	Z	0	.75
72	MP2B	Mx	.007	.75
73	MP2B	X	9.907	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2B	Z	0	5.25
75	MP2B	Mx	.007	5.25
76	MP2C	X	9.443	.75
77	MP2C	Z	0	.75
78	MP2C	Mx	-.002	.75
79	MP2C	X	9.443	5.25
80	MP2C	Z	0	5.25
81	MP2C	Mx	-.002	5.25
82	MP3B	X	9.066	.25
83	MP3B	Z	0	.25
84	MP3B	Mx	.002	.25
85	MP3B	X	9.066	4.75
86	MP3B	Z	0	4.75
87	MP3B	Mx	.002	4.75
88	MP3C	X	8.492	.25
89	MP3C	Z	0	.25
90	MP3C	Mx	.002	.25
91	MP3C	X	8.492	4.75
92	MP3C	Z	0	4.75
93	MP3C	Mx	.002	4.75
94	MP3A	X	6.308	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	-.003	.25
97	MP3A	X	6.308	4.75
98	MP3A	Z	0	4.75
99	MP3A	Mx	-.003	4.75
100	M57	X	8.44	1
101	M57	Z	0	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.797	.25
2	MP1A	Z	1.615	.25
3	MP1A	Mx	-.001	.25
4	MP1A	X	2.797	1.75
5	MP1A	Z	1.615	1.75
6	MP1A	Mx	-.001	1.75
7	MP1B	X	5.051	.25
8	MP1B	Z	2.916	.25
9	MP1B	Mx	-.000506	.25
10	MP1B	X	5.051	1.75
11	MP1B	Z	2.916	1.75
12	MP1B	Mx	-.000506	1.75
13	MP1C	X	2.797	.25
14	MP1C	Z	1.615	.25
15	MP1C	Mx	.001	.25
16	MP1C	X	2.797	1.75
17	MP1C	Z	1.615	1.75
18	MP1C	Mx	.001	1.75
19	MP2A	X	3.077	2.5
20	MP2A	Z	1.776	2.5
21	MP2A	Mx	.002	2.5
22	MP2B	X	4.054	2.5
23	MP2B	Z	2.34	2.5
24	MP2B	Mx	.000406	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP2C	X	3.077	2.5
26	MP2C	Z	1.776	2.5
27	MP2C	Mx	-.002	2.5
28	MP3A	X	2.687	2
29	MP3A	Z	1.551	2
30	MP3A	Mx	.001	2
31	MP3B	X	4.038	2
32	MP3B	Z	2.331	2
33	MP3B	Mx	.000405	2
34	MP3C	X	2.687	2
35	MP3C	Z	1.551	2
36	MP3C	Mx	-.001	2
37	MP5A	X	2.083	4.5
38	MP5A	Z	1.202	4.5
39	MP5A	Mx	-.001	4.5
40	MP5B	X	3.32	4.5
41	MP5B	Z	1.917	4.5
42	MP5B	Mx	-.000333	4.5
43	MP5C	X	2.083	4.5
44	MP5C	Z	1.202	4.5
45	MP5C	Mx	.001	4.5
46	MP2A	X	6.665	.75
47	MP2A	Z	3.848	.75
48	MP2A	Mx	-.001	.75
49	MP2A	X	6.665	5.25
50	MP2A	Z	3.848	5.25
51	MP2A	Mx	-.001	5.25
52	MP2B	X	8.843	.75
53	MP2B	Z	5.105	.75
54	MP2B	Mx	-.007	.75
55	MP2B	X	8.843	5.25
56	MP2B	Z	5.105	5.25
57	MP2B	Mx	-.007	5.25
58	MP2C	X	6.665	.75
59	MP2C	Z	3.848	.75
60	MP2C	Mx	.006	.75
61	MP2C	X	6.665	5.25
62	MP2C	Z	3.848	5.25
63	MP2C	Mx	.006	5.25
64	MP2A	X	6.665	.75
65	MP2A	Z	3.848	.75
66	MP2A	Mx	-.006	.75
67	MP2A	X	6.665	5.25
68	MP2A	Z	3.848	5.25
69	MP2A	Mx	-.006	5.25
70	MP2B	X	8.843	.75
71	MP2B	Z	5.105	.75
72	MP2B	Mx	.005	.75
73	MP2B	X	8.843	5.25
74	MP2B	Z	5.105	5.25
75	MP2B	Mx	.005	5.25
76	MP2C	X	6.665	.75
77	MP2C	Z	3.848	.75
78	MP2C	Mx	.001	.75
79	MP2C	X	6.665	5.25
80	MP2C	Z	3.848	5.25
81	MP2C	Mx	.001	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP3B	X	8.175	.25
83	MP3B	Z	4.72	.25
84	MP3B	Mx	-.00082	.25
85	MP3B	X	8.175	4.75
86	MP3B	Z	4.72	4.75
87	MP3B	Mx	-.00082	4.75
88	MP3C	X	5.486	.25
89	MP3C	Z	3.168	.25
90	MP3C	Mx	.003	.25
91	MP3C	X	5.486	4.75
92	MP3C	Z	3.168	4.75
93	MP3C	Mx	.003	4.75
94	MP3A	X	6.424	.25
95	MP3A	Z	3.709	.25
96	MP3A	Mx	-.003	.25
97	MP3A	X	6.424	4.75
98	MP3A	Z	3.709	4.75
99	MP3A	Mx	-.003	4.75
100	M57	X	8.363	1
101	M57	Z	4.829	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	2.519	.25
2	MP1A	Z	4.363	.25
3	MP1A	Mx	-.001	.25
4	MP1A	X	2.519	1.75
5	MP1A	Z	4.363	1.75
6	MP1A	Mx	-.001	1.75
7	MP1B	X	2.224	.25
8	MP1B	Z	3.852	.25
9	MP1B	Mx	-.001	.25
10	MP1B	X	2.224	1.75
11	MP1B	Z	3.852	1.75
12	MP1B	Mx	-.001	1.75
13	MP1C	X	1.163	.25
14	MP1C	Z	2.015	.25
15	MP1C	Mx	.001	.25
16	MP1C	X	1.163	1.75
17	MP1C	Z	2.015	1.75
18	MP1C	Mx	.001	1.75
19	MP2A	X	2.168	2.5
20	MP2A	Z	3.755	2.5
21	MP2A	Mx	.001	2.5
22	MP2B	X	2.04	2.5
23	MP2B	Z	3.534	2.5
24	MP2B	Mx	.001	2.5
25	MP2C	X	1.58	2.5
26	MP2C	Z	2.737	2.5
27	MP2C	Mx	-.002	2.5
28	MP3A	X	2.093	2
29	MP3A	Z	3.625	2
30	MP3A	Mx	.001	2
31	MP3B	X	1.916	2
32	MP3B	Z	3.319	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP3B	Mx	.001	2
34	MP3C	X	1.28	2
35	MP3C	Z	2.217	2
36	MP3C	Mx	-.001	2
37	MP5A	X	1.699	4.5
38	MP5A	Z	2.942	4.5
39	MP5A	Mx	-.00085	4.5
40	MP5B	X	1.537	4.5
41	MP5B	Z	2.662	4.5
42	MP5B	Mx	-.000988	4.5
43	MP5C	X	.954	4.5
44	MP5C	Z	1.653	4.5
45	MP5C	Mx	.000954	4.5
46	MP2A	X	4.721	.75
47	MP2A	Z	8.178	.75
48	MP2A	Mx	.002	.75
49	MP2A	X	4.721	5.25
50	MP2A	Z	8.178	5.25
51	MP2A	Mx	.002	5.25
52	MP2B	X	4.436	.75
53	MP2B	Z	7.684	.75
54	MP2B	Mx	-.007	.75
55	MP2B	X	4.436	5.25
56	MP2B	Z	7.684	5.25
57	MP2B	Mx	-.007	5.25
58	MP2C	X	3.411	.75
59	MP2C	Z	5.908	.75
60	MP2C	Mx	.003	.75
61	MP2C	X	3.411	5.25
62	MP2C	Z	5.908	5.25
63	MP2C	Mx	.003	5.25
64	MP2A	X	4.721	.75
65	MP2A	Z	8.178	.75
66	MP2A	Mx	-.007	.75
67	MP2A	X	4.721	5.25
68	MP2A	Z	8.178	5.25
69	MP2A	Mx	-.007	5.25
70	MP2B	X	4.436	.75
71	MP2B	Z	7.684	.75
72	MP2B	Mx	.001	.75
73	MP2B	X	4.436	5.25
74	MP2B	Z	7.684	5.25
75	MP2B	Mx	.001	5.25
76	MP2C	X	3.411	.75
77	MP2C	Z	5.908	.75
78	MP2C	Mx	.003	.75
79	MP2C	X	3.411	5.25
80	MP2C	Z	5.908	5.25
81	MP2C	Mx	.003	5.25
82	MP3B	X	3.894	.25
83	MP3B	Z	6.745	.25
84	MP3B	Mx	-.003	.25
85	MP3B	X	3.894	4.75
86	MP3B	Z	6.745	4.75
87	MP3B	Mx	-.003	4.75
88	MP3C	X	2.628	.25
89	MP3C	Z	4.553	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mx	.003	.25
91	MP3C	X	2.628	4.75
92	MP3C	Z	4.553	4.75
93	MP3C	Mx	.003	4.75
94	MP3A	X	4.818	.25
95	MP3A	Z	8.345	.25
96	MP3A	Mx	-.002	.25
97	MP3A	X	4.818	4.75
98	MP3A	Z	8.345	4.75
99	MP3A	Mx	-.002	4.75
100	M57	X	5.133	1
101	M57	Z	8.89	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.25
2	MP1A	Z	5.942	.25
3	MP1A	Mx	0	.25
4	MP1A	X	0	1.75
5	MP1A	Z	5.942	1.75
6	MP1A	Mx	0	1.75
7	MP1B	X	0	.25
8	MP1B	Z	2.749	.25
9	MP1B	Mx	-.001	.25
10	MP1B	X	0	1.75
11	MP1B	Z	2.749	1.75
12	MP1B	Mx	-.001	1.75
13	MP1C	X	0	.25
14	MP1C	Z	3.23	.25
15	MP1C	Mx	.001	.25
16	MP1C	X	0	1.75
17	MP1C	Z	3.23	1.75
18	MP1C	Mx	.001	1.75
19	MP2A	X	0	2.5
20	MP2A	Z	4.728	2.5
21	MP2A	Mx	0	2.5
22	MP2B	X	0	2.5
23	MP2B	Z	3.344	2.5
24	MP2B	Mx	.002	2.5
25	MP2C	X	0	2.5
26	MP2C	Z	3.552	2.5
27	MP2C	Mx	-.002	2.5
28	MP3A	X	0	2
29	MP3A	Z	4.728	2
30	MP3A	Mx	0	2
31	MP3B	X	0	2
32	MP3B	Z	2.814	2
33	MP3B	Mx	.001	2
34	MP3C	X	0	2
35	MP3C	Z	3.102	2
36	MP3C	Mx	-.001	2
37	MP5A	X	0	4.5
38	MP5A	Z	3.894	4.5
39	MP5A	Mx	0	4.5
40	MP5B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
41	MP5B	Z	2.141	4.5
42	MP5B	Mx	-.001	4.5
43	MP5C	X	0	4.5
44	MP5C	Z	2.405	4.5
45	MP5C	Mx	.001	4.5
46	MP2A	X	0	.75
47	MP2A	Z	10.316	.75
48	MP2A	Mx	.006	.75
49	MP2A	X	0	5.25
50	MP2A	Z	10.316	5.25
51	MP2A	Mx	.006	5.25
52	MP2B	X	0	.75
53	MP2B	Z	7.231	.75
54	MP2B	Mx	-.005	.75
55	MP2B	X	0	5.25
56	MP2B	Z	7.231	5.25
57	MP2B	Mx	-.005	5.25
58	MP2C	X	0	.75
59	MP2C	Z	7.696	.75
60	MP2C	Mx	.001	.75
61	MP2C	X	0	5.25
62	MP2C	Z	7.696	5.25
63	MP2C	Mx	.001	5.25
64	MP2A	X	0	.75
65	MP2A	Z	10.316	.75
66	MP2A	Mx	-.006	.75
67	MP2A	X	0	5.25
68	MP2A	Z	10.316	5.25
69	MP2A	Mx	-.006	5.25
70	MP2B	X	0	.75
71	MP2B	Z	7.231	.75
72	MP2B	Mx	-.002	.75
73	MP2B	X	0	5.25
74	MP2B	Z	7.231	5.25
75	MP2B	Mx	-.002	5.25
76	MP2C	X	0	.75
77	MP2C	Z	7.696	.75
78	MP2C	Mx	.006	.75
79	MP2C	X	0	5.25
80	MP2C	Z	7.696	5.25
81	MP2C	Mx	.006	5.25
82	MP3B	X	0	.25
83	MP3B	Z	5.761	.25
84	MP3B	Mx	-.003	.25
85	MP3B	X	0	4.75
86	MP3B	Z	5.761	4.75
87	MP3B	Mx	-.003	4.75
88	MP3C	X	0	.25
89	MP3C	Z	6.335	.25
90	MP3C	Mx	.003	.25
91	MP3C	X	0	4.75
92	MP3C	Z	6.335	4.75
93	MP3C	Mx	.003	4.75
94	MP3A	X	0	.25
95	MP3A	Z	10.746	.25
96	MP3A	Mx	0	.25
97	MP3A	X	0	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP3A	Z	10.746	4.75
99	MP3A	Mx	0	4.75
100	M57	X	0	1
101	M57	Z	9.657	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.519	.25
2	MP1A	Z	4.363	.25
3	MP1A	Mx	.001	.25
4	MP1A	X	-2.519	1.75
5	MP1A	Z	4.363	1.75
6	MP1A	Mx	.001	1.75
7	MP1B	X	-1.218	.25
8	MP1B	Z	2.109	.25
9	MP1B	Mx	-.001	.25
10	MP1B	X	-1.218	1.75
11	MP1B	Z	2.109	1.75
12	MP1B	Mx	-.001	1.75
13	MP1C	X	-2.519	.25
14	MP1C	Z	4.363	.25
15	MP1C	Mx	.001	.25
16	MP1C	X	-2.519	1.75
17	MP1C	Z	4.363	1.75
18	MP1C	Mx	.001	1.75
19	MP2A	X	-2.168	2.5
20	MP2A	Z	3.755	2.5
21	MP2A	Mx	-.001	2.5
22	MP2B	X	-1.604	2.5
23	MP2B	Z	2.778	2.5
24	MP2B	Mx	.002	2.5
25	MP2C	X	-2.168	2.5
26	MP2C	Z	3.755	2.5
27	MP2C	Mx	-.001	2.5
28	MP3A	X	-2.093	2
29	MP3A	Z	3.625	2
30	MP3A	Mx	-.001	2
31	MP3B	X	-1.313	2
32	MP3B	Z	2.274	2
33	MP3B	Mx	.001	2
34	MP3C	X	-2.093	2
35	MP3C	Z	3.625	2
36	MP3C	Mx	-.001	2
37	MP5A	X	-1.699	4.5
38	MP5A	Z	2.942	4.5
39	MP5A	Mx	.00085	4.5
40	MP5B	X	-.984	4.5
41	MP5B	Z	1.705	4.5
42	MP5B	Mx	-.000969	4.5
43	MP5C	X	-1.699	4.5
44	MP5C	Z	2.942	4.5
45	MP5C	Mx	.000849	4.5
46	MP2A	X	-4.721	.75
47	MP2A	Z	8.178	.75
48	MP2A	Mx	.007	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP2A	X	-4.721	5.25
50	MP2A	Z	8.178	5.25
51	MP2A	Mx	.007	5.25
52	MP2B	X	-3.464	.75
53	MP2B	Z	5.999	.75
54	MP2B	Mx	-.003	.75
55	MP2B	X	-3.464	5.25
56	MP2B	Z	5.999	5.25
57	MP2B	Mx	-.003	5.25
58	MP2C	X	-4.721	.75
59	MP2C	Z	8.178	.75
60	MP2C	Mx	-.002	.75
61	MP2C	X	-4.721	5.25
62	MP2C	Z	8.178	5.25
63	MP2C	Mx	-.002	5.25
64	MP2A	X	-4.721	.75
65	MP2A	Z	8.178	.75
66	MP2A	Mx	-.002	.75
67	MP2A	X	-4.721	5.25
68	MP2A	Z	8.178	5.25
69	MP2A	Mx	-.002	5.25
70	MP2B	X	-3.464	.75
71	MP2B	Z	5.999	.75
72	MP2B	Mx	-.004	.75
73	MP2B	X	-3.464	5.25
74	MP2B	Z	5.999	5.25
75	MP2B	Mx	-.004	5.25
76	MP2C	X	-4.721	.75
77	MP2C	Z	8.178	.75
78	MP2C	Mx	.007	.75
79	MP2C	X	-4.721	5.25
80	MP2C	Z	8.178	5.25
81	MP2C	Mx	.007	5.25
82	MP3B	X	-2.693	.25
83	MP3B	Z	4.665	.25
84	MP3B	Mx	-.003	.25
85	MP3B	X	-2.693	4.75
86	MP3B	Z	4.665	4.75
87	MP3B	Mx	-.003	4.75
88	MP3C	X	-4.246	.25
89	MP3C	Z	7.354	.25
90	MP3C	Mx	.002	.25
91	MP3C	X	-4.246	4.75
92	MP3C	Z	7.354	4.75
93	MP3C	Mx	.002	4.75
94	MP3A	X	-4.818	.25
95	MP3A	Z	8.345	.25
96	MP3A	Mx	.002	.25
97	MP3A	X	-4.818	4.75
98	MP3A	Z	8.345	4.75
99	MP3A	Mx	.002	4.75
100	M57	X	-4.22	1
101	M57	Z	7.31	1
102	M57	Mx	0	1

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-2.797	.25
2	MP1A	Z	1.615	.25
3	MP1A	Mx	.001	.25
4	MP1A	X	-2.797	1.75
5	MP1A	Z	1.615	1.75
6	MP1A	Mx	.001	1.75
7	MP1B	X	-3.308	.25
8	MP1B	Z	1.91	.25
9	MP1B	Mx	-.001	.25
10	MP1B	X	-3.308	1.75
11	MP1B	Z	1.91	1.75
12	MP1B	Mx	-.001	1.75
13	MP1C	X	-5.146	.25
14	MP1C	Z	2.971	.25
15	MP1C	Mx	0	.25
16	MP1C	X	-5.146	1.75
17	MP1C	Z	2.971	1.75
18	MP1C	Mx	0	1.75
19	MP2A	X	-3.077	2.5
20	MP2A	Z	1.776	2.5
21	MP2A	Mx	-.002	2.5
22	MP2B	X	-3.298	2.5
23	MP2B	Z	1.904	2.5
24	MP2B	Mx	.001	2.5
25	MP2C	X	-4.095	2.5
26	MP2C	Z	2.364	2.5
27	MP2C	Mx	0	2.5
28	MP3A	X	-2.687	2
29	MP3A	Z	1.551	2
30	MP3A	Mx	-.001	2
31	MP3B	X	-2.993	2
32	MP3B	Z	1.728	2
33	MP3B	Mx	.001	2
34	MP3C	X	-4.095	2
35	MP3C	Z	2.364	2
36	MP3C	Mx	0	2
37	MP5A	X	-2.083	4.5
38	MP5A	Z	1.202	4.5
39	MP5A	Mx	.001	4.5
40	MP5B	X	-2.363	4.5
41	MP5B	Z	1.364	4.5
42	MP5B	Mx	-.001	4.5
43	MP5C	X	-3.372	4.5
44	MP5C	Z	1.947	4.5
45	MP5C	Mx	0	4.5
46	MP2A	X	-6.665	.75
47	MP2A	Z	3.848	.75
48	MP2A	Mx	.006	.75
49	MP2A	X	-6.665	5.25
50	MP2A	Z	3.848	5.25
51	MP2A	Mx	.006	5.25
52	MP2B	X	-7.158	.75
53	MP2B	Z	4.133	.75
54	MP2B	Mx	-6.7e-5	.75
55	MP2B	X	-7.158	5.25
56	MP2B	Z	4.133	5.25
57	MP2B	Mx	-6.7e-5	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2C	X	-8.934	.75
59	MP2C	Z	5.158	.75
60	MP2C	Mx	-.006	.75
61	MP2C	X	-8.934	5.25
62	MP2C	Z	5.158	5.25
63	MP2C	Mx	-.006	5.25
64	MP2A	X	-6.665	.75
65	MP2A	Z	3.848	.75
66	MP2A	Mx	.001	.75
67	MP2A	X	-6.665	5.25
68	MP2A	Z	3.848	5.25
69	MP2A	Mx	.001	5.25
70	MP2B	X	-7.158	.75
71	MP2B	Z	4.133	.75
72	MP2B	Mx	-.006	.75
73	MP2B	X	-7.158	5.25
74	MP2B	Z	4.133	5.25
75	MP2B	Mx	-.006	5.25
76	MP2C	X	-8.934	.75
77	MP2C	Z	5.158	.75
78	MP2C	Mx	.006	.75
79	MP2C	X	-8.934	5.25
80	MP2C	Z	5.158	5.25
81	MP2C	Mx	.006	5.25
82	MP3B	X	-6.096	.25
83	MP3B	Z	3.52	.25
84	MP3B	Mx	-.003	.25
85	MP3B	X	-6.096	4.75
86	MP3B	Z	3.52	4.75
87	MP3B	Mx	-.003	4.75
88	MP3C	X	-8.288	.25
89	MP3C	Z	4.785	.25
90	MP3C	Mx	0	.25
91	MP3C	X	-8.288	4.75
92	MP3C	Z	4.785	4.75
93	MP3C	Mx	0	4.75
94	MP3A	X	-6.424	.25
95	MP3A	Z	3.709	.25
96	MP3A	Mx	.003	.25
97	MP3A	X	-6.424	4.75
98	MP3A	Z	3.709	4.75
99	MP3A	Mx	.003	4.75
100	M57	X	-6.783	1
101	M57	Z	3.916	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-2.326	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	.001	.25
4	MP1A	X	-2.326	1.75
5	MP1A	Z	0	1.75
6	MP1A	Mx	.001	1.75
7	MP1B	X	-5.519	.25
8	MP1B	Z	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP1B	Mx	-.000944	.25
10	MP1B	X	-5.519	1.75
11	MP1B	Z	0	1.75
12	MP1B	Mx	-.000944	1.75
13	MP1C	X	-5.038	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	-.001	.25
16	MP1C	X	-5.038	1.75
17	MP1C	Z	0	1.75
18	MP1C	Mx	-.001	1.75
19	MP2A	X	-3.161	2.5
20	MP2A	Z	0	2.5
21	MP2A	Mx	-.002	2.5
22	MP2B	X	-4.545	2.5
23	MP2B	Z	0	2.5
24	MP2B	Mx	.000777	2.5
25	MP2C	X	-4.336	2.5
26	MP2C	Z	0	2.5
27	MP2C	Mx	.001	2.5
28	MP3A	X	-2.56	2
29	MP3A	Z	0	2
30	MP3A	Mx	-.001	2
31	MP3B	X	-4.475	2
32	MP3B	Z	0	2
33	MP3B	Mx	.000765	2
34	MP3C	X	-4.186	2
35	MP3C	Z	0	2
36	MP3C	Mx	.001	2
37	MP5A	X	-1.908	4.5
38	MP5A	Z	0	4.5
39	MP5A	Mx	.000954	4.5
40	MP5B	X	-3.662	4.5
41	MP5B	Z	0	4.5
42	MP5B	Mx	-.000626	4.5
43	MP5C	X	-3.397	4.5
44	MP5C	Z	0	4.5
45	MP5C	Mx	-.000849	4.5
46	MP2A	X	-6.822	.75
47	MP2A	Z	0	.75
48	MP2A	Mx	.003	.75
49	MP2A	X	-6.822	5.25
50	MP2A	Z	0	5.25
51	MP2A	Mx	.003	5.25
52	MP2B	X	-9.907	.75
53	MP2B	Z	0	.75
54	MP2B	Mx	.004	.75
55	MP2B	X	-9.907	5.25
56	MP2B	Z	0	5.25
57	MP2B	Mx	.004	5.25
58	MP2C	X	-9.443	.75
59	MP2C	Z	0	.75
60	MP2C	Mx	-.007	.75
61	MP2C	X	-9.443	5.25
62	MP2C	Z	0	5.25
63	MP2C	Mx	-.007	5.25
64	MP2A	X	-6.822	.75
65	MP2A	Z	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP2A	Mx	.003	.75
67	MP2A	X	-6.822	5.25
68	MP2A	Z	0	5.25
69	MP2A	Mx	.003	5.25
70	MP2B	X	-9.907	.75
71	MP2B	Z	0	.75
72	MP2B	Mx	-.007	.75
73	MP2B	X	-9.907	5.25
74	MP2B	Z	0	5.25
75	MP2B	Mx	-.007	5.25
76	MP2C	X	-9.443	.75
77	MP2C	Z	0	.75
78	MP2C	Mx	.002	.75
79	MP2C	X	-9.443	5.25
80	MP2C	Z	0	5.25
81	MP2C	Mx	.002	5.25
82	MP3B	X	-9.066	.25
83	MP3B	Z	0	.25
84	MP3B	Mx	-.002	.25
85	MP3B	X	-9.066	4.75
86	MP3B	Z	0	4.75
87	MP3B	Mx	-.002	4.75
88	MP3C	X	-8.492	.25
89	MP3C	Z	0	.25
90	MP3C	Mx	-.002	.25
91	MP3C	X	-8.492	4.75
92	MP3C	Z	0	4.75
93	MP3C	Mx	-.002	4.75
94	MP3A	X	-6.308	.25
95	MP3A	Z	0	.25
96	MP3A	Mx	.003	.25
97	MP3A	X	-6.308	4.75
98	MP3A	Z	0	4.75
99	MP3A	Mx	.003	4.75
100	M57	X	-8.44	1
101	M57	Z	0	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-2.797	.25
2	MP1A	Z	-1.615	.25
3	MP1A	Mx	.001	.25
4	MP1A	X	-2.797	1.75
5	MP1A	Z	-1.615	1.75
6	MP1A	Mx	.001	1.75
7	MP1B	X	-5.051	.25
8	MP1B	Z	-2.916	.25
9	MP1B	Mx	.000506	.25
10	MP1B	X	-5.051	1.75
11	MP1B	Z	-2.916	1.75
12	MP1B	Mx	.000506	1.75
13	MP1C	X	-2.797	.25
14	MP1C	Z	-1.615	.25
15	MP1C	Mx	-.001	.25
16	MP1C	X	-2.797	1.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP1C	Z	-1.615	1.75
18	MP1C	Mx	-.001	1.75
19	MP2A	X	-3.077	2.5
20	MP2A	Z	-1.776	2.5
21	MP2A	Mx	-.002	2.5
22	MP2B	X	-4.054	2.5
23	MP2B	Z	-2.34	2.5
24	MP2B	Mx	-.000406	2.5
25	MP2C	X	-3.077	2.5
26	MP2C	Z	-1.776	2.5
27	MP2C	Mx	.002	2.5
28	MP3A	X	-2.687	2
29	MP3A	Z	-1.551	2
30	MP3A	Mx	-.001	2
31	MP3B	X	-4.038	2
32	MP3B	Z	-2.331	2
33	MP3B	Mx	-.000405	2
34	MP3C	X	-2.687	2
35	MP3C	Z	-1.551	2
36	MP3C	Mx	.001	2
37	MP5A	X	-2.083	4.5
38	MP5A	Z	-1.202	4.5
39	MP5A	Mx	.001	4.5
40	MP5B	X	-3.32	4.5
41	MP5B	Z	-1.917	4.5
42	MP5B	Mx	.000333	4.5
43	MP5C	X	-2.083	4.5
44	MP5C	Z	-1.202	4.5
45	MP5C	Mx	-.001	4.5
46	MP2A	X	-6.665	.75
47	MP2A	Z	-3.848	.75
48	MP2A	Mx	.001	.75
49	MP2A	X	-6.665	5.25
50	MP2A	Z	-3.848	5.25
51	MP2A	Mx	.001	5.25
52	MP2B	X	-8.843	.75
53	MP2B	Z	-5.105	.75
54	MP2B	Mx	.007	.75
55	MP2B	X	-8.843	5.25
56	MP2B	Z	-5.105	5.25
57	MP2B	Mx	.007	5.25
58	MP2C	X	-6.665	.75
59	MP2C	Z	-3.848	.75
60	MP2C	Mx	-.006	.75
61	MP2C	X	-6.665	5.25
62	MP2C	Z	-3.848	5.25
63	MP2C	Mx	-.006	5.25
64	MP2A	X	-6.665	.75
65	MP2A	Z	-3.848	.75
66	MP2A	Mx	.006	.75
67	MP2A	X	-6.665	5.25
68	MP2A	Z	-3.848	5.25
69	MP2A	Mx	.006	5.25
70	MP2B	X	-8.843	.75
71	MP2B	Z	-5.105	.75
72	MP2B	Mx	-.005	.75
73	MP2B	X	-8.843	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
74	MP2B	Z	-5.105	5.25
75	MP2B	Mx	-0.005	5.25
76	MP2C	X	-6.665	.75
77	MP2C	Z	-3.848	.75
78	MP2C	Mx	-.001	.75
79	MP2C	X	-6.665	5.25
80	MP2C	Z	-3.848	5.25
81	MP2C	Mx	-.001	5.25
82	MP3B	X	-8.175	.25
83	MP3B	Z	-4.72	.25
84	MP3B	Mx	.00082	.25
85	MP3B	X	-8.175	4.75
86	MP3B	Z	-4.72	4.75
87	MP3B	Mx	.00082	4.75
88	MP3C	X	-5.486	.25
89	MP3C	Z	-3.168	.25
90	MP3C	Mx	-.003	.25
91	MP3C	X	-5.486	4.75
92	MP3C	Z	-3.168	4.75
93	MP3C	Mx	-.003	4.75
94	MP3A	X	-6.424	.25
95	MP3A	Z	-3.709	.25
96	MP3A	Mx	.003	.25
97	MP3A	X	-6.424	4.75
98	MP3A	Z	-3.709	4.75
99	MP3A	Mx	.003	4.75
100	M57	X	-8.363	1
101	M57	Z	-4.829	1
102	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-2.519	.25
2	MP1A	Z	-4.363	.25
3	MP1A	Mx	.001	.25
4	MP1A	X	-2.519	1.75
5	MP1A	Z	-4.363	1.75
6	MP1A	Mx	.001	1.75
7	MP1B	X	-2.224	.25
8	MP1B	Z	-3.852	.25
9	MP1B	Mx	.001	.25
10	MP1B	X	-2.224	1.75
11	MP1B	Z	-3.852	1.75
12	MP1B	Mx	.001	1.75
13	MP1C	X	-1.163	.25
14	MP1C	Z	-2.015	.25
15	MP1C	Mx	-.001	.25
16	MP1C	X	-1.163	1.75
17	MP1C	Z	-2.015	1.75
18	MP1C	Mx	-.001	1.75
19	MP2A	X	-2.168	2.5
20	MP2A	Z	-3.755	2.5
21	MP2A	Mx	-.001	2.5
22	MP2B	X	-2.04	2.5
23	MP2B	Z	-3.534	2.5
24	MP2B	Mx	-.001	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP2C	X	-1.58	2.5
26	MP2C	Z	-2.737	2.5
27	MP2C	Mx	.002	2.5
28	MP3A	X	-2.093	2
29	MP3A	Z	-3.625	2
30	MP3A	Mx	-.001	2
31	MP3B	X	-1.916	2
32	MP3B	Z	-3.319	2
33	MP3B	Mx	-.001	2
34	MP3C	X	-1.28	2
35	MP3C	Z	-2.217	2
36	MP3C	Mx	.001	2
37	MP5A	X	-1.699	4.5
38	MP5A	Z	-2.942	4.5
39	MP5A	Mx	.00085	4.5
40	MP5B	X	-1.537	4.5
41	MP5B	Z	-2.662	4.5
42	MP5B	Mx	.000988	4.5
43	MP5C	X	-.954	4.5
44	MP5C	Z	-1.653	4.5
45	MP5C	Mx	-.000954	4.5
46	MP2A	X	-4.721	.75
47	MP2A	Z	-8.178	.75
48	MP2A	Mx	-.002	.75
49	MP2A	X	-4.721	5.25
50	MP2A	Z	-8.178	5.25
51	MP2A	Mx	-.002	5.25
52	MP2B	X	-4.436	.75
53	MP2B	Z	-7.684	.75
54	MP2B	Mx	.007	.75
55	MP2B	X	-4.436	5.25
56	MP2B	Z	-7.684	5.25
57	MP2B	Mx	.007	5.25
58	MP2C	X	-3.411	.75
59	MP2C	Z	-5.908	.75
60	MP2C	Mx	-.003	.75
61	MP2C	X	-3.411	5.25
62	MP2C	Z	-5.908	5.25
63	MP2C	Mx	-.003	5.25
64	MP2A	X	-4.721	.75
65	MP2A	Z	-8.178	.75
66	MP2A	Mx	.007	.75
67	MP2A	X	-4.721	5.25
68	MP2A	Z	-8.178	5.25
69	MP2A	Mx	.007	5.25
70	MP2B	X	-4.436	.75
71	MP2B	Z	-7.684	.75
72	MP2B	Mx	-.001	.75
73	MP2B	X	-4.436	5.25
74	MP2B	Z	-7.684	5.25
75	MP2B	Mx	-.001	5.25
76	MP2C	X	-3.411	.75
77	MP2C	Z	-5.908	.75
78	MP2C	Mx	-.003	.75
79	MP2C	X	-3.411	5.25
80	MP2C	Z	-5.908	5.25
81	MP2C	Mx	-.003	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP3B	X	-3.894	.25
83	MP3B	Z	-6.745	.25
84	MP3B	Mx	.003	.25
85	MP3B	X	-3.894	4.75
86	MP3B	Z	-6.745	4.75
87	MP3B	Mx	.003	4.75
88	MP3C	X	-2.628	.25
89	MP3C	Z	-4.553	.25
90	MP3C	Mx	-.003	.25
91	MP3C	X	-2.628	4.75
92	MP3C	Z	-4.553	4.75
93	MP3C	Mx	-.003	4.75
94	MP3A	X	-4.818	.25
95	MP3A	Z	-8.345	.25
96	MP3A	Mx	.002	.25
97	MP3A	X	-4.818	4.75
98	MP3A	Z	-8.345	4.75
99	MP3A	Mx	.002	4.75
100	M57	X	-5.133	1
101	M57	Z	-8.89	1
102	M57	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M28	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M30	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M7	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M7	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-1.784	.25
2	MP1A	My	-.000892	.25
3	MP1A	Mz	0	.25
4	MP1A	Y	-1.784	1.75
5	MP1A	My	-.000892	1.75
6	MP1A	Mz	0	1.75
7	MP1B	Y	-1.784	.25
8	MP1B	My	.000305	.25
9	MP1B	Mz	-.000838	.25
10	MP1B	Y	-1.784	1.75
11	MP1B	My	.000305	1.75
12	MP1B	Mz	-.000838	1.75
13	MP1C	Y	-1.784	.25
14	MP1C	My	.000446	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
15	MP1C	Mz	.000772	.25
16	MP1C	Y	-1.784	1.75
17	MP1C	My	.000446	1.75
18	MP1C	Mz	.000772	1.75
19	MP2A	Y	-3.457	2.5
20	MP2A	My	.002	2.5
21	MP2A	Mz	0	2.5
22	MP2B	Y	-3.457	2.5
23	MP2B	My	-.000591	2.5
24	MP2B	Mz	.002	2.5
25	MP2C	Y	-3.457	2.5
26	MP2C	My	-.000864	2.5
27	MP2C	Mz	-.001	2.5
28	MP3A	Y	-2.879	2
29	MP3A	My	.001	2
30	MP3A	Mz	0	2
31	MP3B	Y	-2.879	2
32	MP3B	My	-.000492	2
33	MP3B	Mz	.001	2
34	MP3C	Y	-2.879	2
35	MP3C	My	-.00072	2
36	MP3C	Mz	-.001	2
37	MP5A	Y	-.946	4.5
38	MP5A	My	-.000473	4.5
39	MP5A	Mz	0	4.5
40	MP5B	Y	-.946	4.5
41	MP5B	My	.000162	4.5
42	MP5B	Mz	-.000445	4.5
43	MP5C	Y	-.946	4.5
44	MP5C	My	.000237	4.5
45	MP5C	Mz	.00041	4.5
46	MP2A	Y	-.819	.75
47	MP2A	My	-.00041	.75
48	MP2A	Mz	.000478	.75
49	MP2A	Y	-.819	5.25
50	MP2A	My	-.00041	5.25
51	MP2A	Mz	.000478	5.25
52	MP2B	Y	-.819	.75
53	MP2B	My	-.000309	.75
54	MP2B	Mz	-.000548	.75
55	MP2B	Y	-.819	5.25
56	MP2B	My	-.000309	5.25
57	MP2B	Mz	-.000548	5.25
58	MP2C	Y	-.819	.75
59	MP2C	My	.000619	.75
60	MP2C	Mz	.000116	.75
61	MP2C	Y	-.819	5.25
62	MP2C	My	.000619	5.25
63	MP2C	Mz	.000116	5.25
64	MP2A	Y	-.819	.75
65	MP2A	My	-.00041	.75
66	MP2A	Mz	-.000478	.75
67	MP2A	Y	-.819	5.25
68	MP2A	My	-.00041	5.25
69	MP2A	Mz	-.000478	5.25
70	MP2B	Y	-.819	.75
71	MP2B	My	.000589	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
72	MP2B	Mz	-.000221	.75
73	MP2B	Y	-.819	5.25
74	MP2B	My	.000589	5.25
75	MP2B	Mz	-.000221	5.25
76	MP2C	Y	-.819	.75
77	MP2C	My	-.000209	.75
78	MP2C	Mz	.000594	.75
79	MP2C	Y	-.819	5.25
80	MP2C	My	-.000209	5.25
81	MP2C	Mz	.000594	5.25
82	MP3B	Y	-.348	.25
83	MP3B	My	6e-5	.25
84	MP3B	Mz	-.000164	.25
85	MP3B	Y	-.348	4.75
86	MP3B	My	6e-5	4.75
87	MP3B	Mz	-.000164	4.75
88	MP3C	Y	-.348	.25
89	MP3C	My	8.7e-5	.25
90	MP3C	Mz	.000151	.25
91	MP3C	Y	-.348	4.75
92	MP3C	My	8.7e-5	4.75
93	MP3C	Mz	.000151	4.75
94	MP3A	Y	-1.159	.25
95	MP3A	My	-.00058	.25
96	MP3A	Mz	0	.25
97	MP3A	Y	-1.159	4.75
98	MP3A	My	-.00058	4.75
99	MP3A	Mz	0	4.75
100	M57	Y	-1.311	1
101	M57	My	0	1
102	M57	Mz	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	Z	-4.46	.25
2	MP1A	Mx	0	.25
3	MP1A	Z	-4.46	1.75
4	MP1A	Mx	0	1.75
5	MP1B	Z	-4.46	.25
6	MP1B	Mx	.002	.25
7	MP1B	Z	-4.46	1.75
8	MP1B	Mx	.002	1.75
9	MP1C	Z	-4.46	.25
10	MP1C	Mx	-.002	.25
11	MP1C	Z	-4.46	1.75
12	MP1C	Mx	-.002	1.75
13	MP2A	Z	-8.643	2.5
14	MP2A	Mx	0	2.5
15	MP2B	Z	-8.643	2.5
16	MP2B	Mx	-.004	2.5
17	MP2C	Z	-8.643	2.5
18	MP2C	Mx	.004	2.5
19	MP3A	Z	-7.199	2
20	MP3A	Mx	0	2
21	MP3B	Z	-7.199	2
22	MP3B	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
23	MP3C	Z	-7.199	2
24	MP3C	Mx	.003	2
25	MP5A	Z	-2.365	4.5
26	MP5A	Mx	0	4.5
27	MP5B	Z	-2.365	4.5
28	MP5B	Mx	.001	4.5
29	MP5C	Z	-2.365	4.5
30	MP5C	Mx	-.001	4.5
31	MP2A	Z	-2.048	.75
32	MP2A	Mx	-.001	.75
33	MP2A	Z	-2.048	5.25
34	MP2A	Mx	-.001	5.25
35	MP2B	Z	-2.048	.75
36	MP2B	Mx	.001	.75
37	MP2B	Z	-2.048	5.25
38	MP2B	Mx	.001	5.25
39	MP2C	Z	-2.048	.75
40	MP2C	Mx	-.000289	.75
41	MP2C	Z	-2.048	5.25
42	MP2C	Mx	-.000289	5.25
43	MP2A	Z	-2.048	.75
44	MP2A	Mx	.001	.75
45	MP2A	Z	-2.048	5.25
46	MP2A	Mx	.001	5.25
47	MP2B	Z	-2.048	.75
48	MP2B	Mx	.000554	.75
49	MP2B	Z	-2.048	5.25
50	MP2B	Mx	.000554	5.25
51	MP2C	Z	-2.048	.75
52	MP2C	Mx	-.001	.75
53	MP2C	Z	-2.048	5.25
54	MP2C	Mx	-.001	5.25
55	MP3B	Z	-.87	.25
56	MP3B	Mx	.000409	.25
57	MP3B	Z	-.87	4.75
58	MP3B	Mx	.000409	4.75
59	MP3C	Z	-.87	.25
60	MP3C	Mx	-.000377	.25
61	MP3C	Z	-.87	4.75
62	MP3C	Mx	-.000377	4.75
63	MP3A	Z	-2.898	.25
64	MP3A	Mx	0	.25
65	MP3A	Z	-2.898	4.75
66	MP3A	Mx	0	4.75
67	M57	Z	-3.277	1
68	M57	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	4.46	.25
2	MP1A	Mx	-.002	.25
3	MP1A	X	4.46	1.75
4	MP1A	Mx	-.002	1.75
5	MP1B	X	4.46	.25
6	MP1B	Mx	.000763	.25
7	MP1B	X	4.46	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Mx	.000763	1.75
9	MP1C	X	4.46	.25
10	MP1C	Mx	.001	.25
11	MP1C	X	4.46	1.75
12	MP1C	Mx	.001	1.75
13	MP2A	X	8.643	2.5
14	MP2A	Mx	.004	2.5
15	MP2B	X	8.643	2.5
16	MP2B	Mx	-.001	2.5
17	MP2C	X	8.643	2.5
18	MP2C	Mx	-.002	2.5
19	MP3A	X	7.199	2
20	MP3A	Mx	.004	2
21	MP3B	X	7.199	2
22	MP3B	Mx	-.001	2
23	MP3C	X	7.199	2
24	MP3C	Mx	-.002	2
25	MP5A	X	2.365	4.5
26	MP5A	Mx	-.001	4.5
27	MP5B	X	2.365	4.5
28	MP5B	Mx	.000405	4.5
29	MP5C	X	2.365	4.5
30	MP5C	Mx	.000591	4.5
31	MP2A	X	2.048	.75
32	MP2A	Mx	-.001	.75
33	MP2A	X	2.048	5.25
34	MP2A	Mx	-.001	5.25
35	MP2B	X	2.048	.75
36	MP2B	Mx	-.000772	.75
37	MP2B	X	2.048	5.25
38	MP2B	Mx	-.000772	5.25
39	MP2C	X	2.048	.75
40	MP2C	Mx	.002	.75
41	MP2C	X	2.048	5.25
42	MP2C	Mx	.002	5.25
43	MP2A	X	2.048	.75
44	MP2A	Mx	-.001	.75
45	MP2A	X	2.048	5.25
46	MP2A	Mx	-.001	5.25
47	MP2B	X	2.048	.75
48	MP2B	Mx	.001	.75
49	MP2B	X	2.048	5.25
50	MP2B	Mx	.001	5.25
51	MP2C	X	2.048	.75
52	MP2C	Mx	-.000523	.75
53	MP2C	X	2.048	5.25
54	MP2C	Mx	-.000523	5.25
55	MP3B	X	.87	.25
56	MP3B	Mx	.000149	.25
57	MP3B	X	.87	4.75
58	MP3B	Mx	.000149	4.75
59	MP3C	X	.87	.25
60	MP3C	Mx	.000218	.25
61	MP3C	X	.87	4.75
62	MP3C	Mx	.000218	4.75
63	MP3A	X	2.898	.25
64	MP3A	Mx	-.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
65	MP3A	X	2.898	4.75
66	MP3A	Mx	-0.001	4.75
67	M57	X	3.277	1
68	M57	Mx	0	1

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/f,...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	MP1A	Y	-8.409	-8.409	0	%100
2	M7	Y	-15.195	-15.195	0	%100
3	M17	Y	-15.195	-15.195	0	%100
4	M48	Y	-9.347	-9.347	0	%100
5	M49	Y	-9.347	-9.347	0	%100
6	M50	Y	-9.347	-9.347	0	%100
7	M51	Y	-9.347	-9.347	0	%100
8	M12	Y	-15.195	-15.195	0	%100
9	M13	Y	-15.195	-15.195	0	%100
10	M21	Y	-9.347	-9.347	0	%100
11	M22	Y	-9.347	-9.347	0	%100
12	M25	Y	-9.347	-9.347	0	%100
13	M26	Y	-9.347	-9.347	0	%100
14	M26A	Y	-15.195	-15.195	0	%100
15	M27A	Y	-15.195	-15.195	0	%100
16	MP2A	Y	-8.409	-8.409	0	%100
17	MP3A	Y	-8.409	-8.409	0	%100
18	MP4A	Y	-8.409	-8.409	0	%100
19	MP5A	Y	-8.409	-8.409	0	%100
20	M32A	Y	-9.347	-9.347	0	%100
21	M33A	Y	-9.347	-9.347	0	%100
22	M34A	Y	-9.347	-9.347	0	%100
23	M35A	Y	-9.347	-9.347	0	%100
24	MP1C	Y	-8.409	-8.409	0	%100
25	MP2C	Y	-8.409	-8.409	0	%100
26	MP3C	Y	-8.409	-8.409	0	%100
27	MP4C	Y	-8.409	-8.409	0	%100
28	MP5C	Y	-8.409	-8.409	0	%100
29	MP1B	Y	-8.409	-8.409	0	%100
30	MP2B	Y	-8.409	-8.409	0	%100
31	MP3B	Y	-8.409	-8.409	0	%100
32	MP4B	Y	-8.409	-8.409	0	%100
33	MP5B	Y	-8.409	-8.409	0	%100
34	M57	Y	-8.409	-8.409	0	%100
35	M57A	Y	-16.679	-16.679	0	%100
36	M58	Y	-16.679	-16.679	0	%100
37	M59	Y	-16.679	-16.679	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f,...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	-9.134	-9.134	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-16.024	-16.024	0	%100
5	M17	X	0	0	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	0	0	0	%100
8	M48	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
9	M49	X	0	0	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	0	0	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-4.006	-4.006	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-4.006	-4.006	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-6.356	-6.356	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-6.356	-6.356	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-6.356	-6.356	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-6.356	-6.356	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	-11.597	-11.597	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	-11.597	-11.597	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-9.134	-9.134	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-9.134	-9.134	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	-9.134	-9.134	0	%100
37	MP5A	X	0	0	0	%100
38	MP5A	Z	-9.134	-9.134	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	-6.356	-6.356	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	-6.356	-6.356	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	-6.356	-6.356	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	-6.356	-6.356	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-9.134	-9.134	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-9.134	-9.134	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-9.134	-9.134	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-9.134	-9.134	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-9.134	-9.134	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-9.134	-9.134	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-9.134	-9.134	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-9.134	-9.134	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-9.134	-9.134	0	%100
65	MP5B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
66	MP5B	Z	-9.134	-9.134	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	-9.134	-9.134	0	%100
69	M57A	X	0	0	0	%100
70	M57A	Z	-12.598	-12.598	0	%100
71	M58	X	0	0	0	%100
72	M58	Z	-15.994	-15.994	0	%100
73	M59	X	0	0	0	%100
74	M59	Z	-15.994	-15.994	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	4.567	4.567	0	%100
2	MP1A	Z	-7.91	-7.91	0	%100
3	M7	X	6.009	6.009	0	%100
4	M7	Z	-10.408	-10.408	0	%100
5	M17	X	1.933	1.933	0	%100
6	M17	Z	-3.348	-3.348	0	%100
7	M48	X	1.059	1.059	0	%100
8	M48	Z	-1.835	-1.835	0	%100
9	M49	X	1.059	1.059	0	%100
10	M49	Z	-1.835	-1.835	0	%100
11	M50	X	1.059	1.059	0	%100
12	M50	Z	-1.835	-1.835	0	%100
13	M51	X	1.059	1.059	0	%100
14	M51	Z	-1.835	-1.835	0	%100
15	M12	X	6.009	6.009	0	%100
16	M12	Z	-10.408	-10.408	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	1.059	1.059	0	%100
20	M21	Z	-1.835	-1.835	0	%100
21	M22	X	1.059	1.059	0	%100
22	M22	Z	-1.835	-1.835	0	%100
23	M25	X	4.237	4.237	0	%100
24	M25	Z	-7.34	-7.34	0	%100
25	M26	X	4.237	4.237	0	%100
26	M26	Z	-7.34	-7.34	0	%100
27	M26A	X	1.933	1.933	0	%100
28	M26A	Z	-3.348	-3.348	0	%100
29	M27A	X	7.732	7.732	0	%100
30	M27A	Z	-13.392	-13.392	0	%100
31	MP2A	X	4.567	4.567	0	%100
32	MP2A	Z	-7.91	-7.91	0	%100
33	MP3A	X	4.567	4.567	0	%100
34	MP3A	Z	-7.91	-7.91	0	%100
35	MP4A	X	4.567	4.567	0	%100
36	MP4A	Z	-7.91	-7.91	0	%100
37	MP5A	X	4.567	4.567	0	%100
38	MP5A	Z	-7.91	-7.91	0	%100
39	M32A	X	1.059	1.059	0	%100
40	M32A	Z	-1.835	-1.835	0	%100
41	M33A	X	1.059	1.059	0	%100
42	M33A	Z	-1.835	-1.835	0	%100
43	M34A	X	4.237	4.237	0	%100
44	M34A	Z	-7.34	-7.34	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
45	M35A	X	4.237	4.237	0	%100
46	M35A	Z	-7.34	-7.34	0	%100
47	MP1C	X	4.567	4.567	0	%100
48	MP1C	Z	-7.91	-7.91	0	%100
49	MP2C	X	4.567	4.567	0	%100
50	MP2C	Z	-7.91	-7.91	0	%100
51	MP3C	X	4.567	4.567	0	%100
52	MP3C	Z	-7.91	-7.91	0	%100
53	MP4C	X	4.567	4.567	0	%100
54	MP4C	Z	-7.91	-7.91	0	%100
55	MP5C	X	4.567	4.567	0	%100
56	MP5C	Z	-7.91	-7.91	0	%100
57	MP1B	X	4.567	4.567	0	%100
58	MP1B	Z	-7.91	-7.91	0	%100
59	MP2B	X	4.567	4.567	0	%100
60	MP2B	Z	-7.91	-7.91	0	%100
61	MP3B	X	4.567	4.567	0	%100
62	MP3B	Z	-7.91	-7.91	0	%100
63	MP4B	X	4.567	4.567	0	%100
64	MP4B	Z	-7.91	-7.91	0	%100
65	MP5B	X	4.567	4.567	0	%100
66	MP5B	Z	-7.91	-7.91	0	%100
67	M57	X	4.567	4.567	0	%100
68	M57	Z	-7.91	-7.91	0	%100
69	M57A	X	6.865	6.865	0	%100
70	M57A	Z	-11.891	-11.891	0	%100
71	M58	X	6.865	6.865	0	%100
72	M58	Z	-11.891	-11.891	0	%100
73	M59	X	8.563	8.563	0	%100
74	M59	Z	-14.832	-14.832	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	7.91	7.91	0	%100
2	MP1A	Z	-4.567	-4.567	0	%100
3	M7	X	3.469	3.469	0	%100
4	M7	Z	-2.003	-2.003	0	%100
5	M17	X	10.044	10.044	0	%100
6	M17	Z	-5.799	-5.799	0	%100
7	M48	X	5.505	5.505	0	%100
8	M48	Z	-3.178	-3.178	0	%100
9	M49	X	5.505	5.505	0	%100
10	M49	Z	-3.178	-3.178	0	%100
11	M50	X	5.505	5.505	0	%100
12	M50	Z	-3.178	-3.178	0	%100
13	M51	X	5.505	5.505	0	%100
14	M51	Z	-3.178	-3.178	0	%100
15	M12	X	13.877	13.877	0	%100
16	M12	Z	-8.012	-8.012	0	%100
17	M13	X	3.469	3.469	0	%100
18	M13	Z	-2.003	-2.003	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	5.505	5.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
24	M25	Z	-3.178	-3.178	0	%100
25	M26	X	5.505	5.505	0	%100
26	M26	Z	-3.178	-3.178	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	10.044	10.044	0	%100
30	M27A	Z	-5.799	-5.799	0	%100
31	MP2A	X	7.91	7.91	0	%100
32	MP2A	Z	-4.567	-4.567	0	%100
33	MP3A	X	7.91	7.91	0	%100
34	MP3A	Z	-4.567	-4.567	0	%100
35	MP4A	X	7.91	7.91	0	%100
36	MP4A	Z	-4.567	-4.567	0	%100
37	MP5A	X	7.91	7.91	0	%100
38	MP5A	Z	-4.567	-4.567	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	5.505	5.505	0	%100
44	M34A	Z	-3.178	-3.178	0	%100
45	M35A	X	5.505	5.505	0	%100
46	M35A	Z	-3.178	-3.178	0	%100
47	MP1C	X	7.91	7.91	0	%100
48	MP1C	Z	-4.567	-4.567	0	%100
49	MP2C	X	7.91	7.91	0	%100
50	MP2C	Z	-4.567	-4.567	0	%100
51	MP3C	X	7.91	7.91	0	%100
52	MP3C	Z	-4.567	-4.567	0	%100
53	MP4C	X	7.91	7.91	0	%100
54	MP4C	Z	-4.567	-4.567	0	%100
55	MP5C	X	7.91	7.91	0	%100
56	MP5C	Z	-4.567	-4.567	0	%100
57	MP1B	X	7.91	7.91	0	%100
58	MP1B	Z	-4.567	-4.567	0	%100
59	MP2B	X	7.91	7.91	0	%100
60	MP2B	Z	-4.567	-4.567	0	%100
61	MP3B	X	7.91	7.91	0	%100
62	MP3B	Z	-4.567	-4.567	0	%100
63	MP4B	X	7.91	7.91	0	%100
64	MP4B	Z	-4.567	-4.567	0	%100
65	MP5B	X	7.91	7.91	0	%100
66	MP5B	Z	-4.567	-4.567	0	%100
67	M57	X	7.91	7.91	0	%100
68	M57	Z	-4.567	-4.567	0	%100
69	M57A	X	13.851	13.851	0	%100
70	M57A	Z	-7.997	-7.997	0	%100
71	M58	X	10.91	10.91	0	%100
72	M58	Z	-6.299	-6.299	0	%100
73	M59	X	13.851	13.851	0	%100
74	M59	Z	-7.997	-7.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	9.134	9.134	0	%100
2	MP1A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M17	X	15.463	15.463	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	8.475	8.475	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	8.475	8.475	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	8.475	8.475	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	8.475	8.475	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	12.018	12.018	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	12.018	12.018	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	2.119	2.119	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	2.119	2.119	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	2.119	2.119	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	2.119	2.119	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	3.866	3.866	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	3.866	3.866	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	9.134	9.134	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	9.134	9.134	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	9.134	9.134	0	%100
36	MP4A	Z	0	0	0	%100
37	MP5A	X	9.134	9.134	0	%100
38	MP5A	Z	0	0	0	%100
39	M32A	X	2.119	2.119	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	2.119	2.119	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	2.119	2.119	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	2.119	2.119	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	9.134	9.134	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	9.134	9.134	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	9.134	9.134	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	9.134	9.134	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	9.134	9.134	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	9.134	9.134	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	9.134	9.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
60	MP2B	Z	0	0	0	%100
61	MP3B	X	9.134	9.134	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	9.134	9.134	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	9.134	9.134	0	%100
66	MP5B	Z	0	0	0	%100
67	M57	X	9.134	9.134	0	%100
68	M57	Z	0	0	0	%100
69	M57A	X	17.126	17.126	0	%100
70	M57A	Z	0	0	0	%100
71	M58	X	13.73	13.73	0	%100
72	M58	Z	0	0	0	%100
73	M59	X	13.73	13.73	0	%100
74	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	7.91	7.91	0	%100
2	MP1A	Z	4.567	4.567	0	%100
3	M7	X	3.469	3.469	0	%100
4	M7	Z	2.003	2.003	0	%100
5	M17	X	10.044	10.044	0	%100
6	M17	Z	5.799	5.799	0	%100
7	M48	X	5.505	5.505	0	%100
8	M48	Z	3.178	3.178	0	%100
9	M49	X	5.505	5.505	0	%100
10	M49	Z	3.178	3.178	0	%100
11	M50	X	5.505	5.505	0	%100
12	M50	Z	3.178	3.178	0	%100
13	M51	X	5.505	5.505	0	%100
14	M51	Z	3.178	3.178	0	%100
15	M12	X	3.469	3.469	0	%100
16	M12	Z	2.003	2.003	0	%100
17	M13	X	13.877	13.877	0	%100
18	M13	Z	8.012	8.012	0	%100
19	M21	X	5.505	5.505	0	%100
20	M21	Z	3.178	3.178	0	%100
21	M22	X	5.505	5.505	0	%100
22	M22	Z	3.178	3.178	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	10.044	10.044	0	%100
28	M26A	Z	5.799	5.799	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	7.91	7.91	0	%100
32	MP2A	Z	4.567	4.567	0	%100
33	MP3A	X	7.91	7.91	0	%100
34	MP3A	Z	4.567	4.567	0	%100
35	MP4A	X	7.91	7.91	0	%100
36	MP4A	Z	4.567	4.567	0	%100
37	MP5A	X	7.91	7.91	0	%100
38	MP5A	Z	4.567	4.567	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
39	M32A	X	5.505	5.505	0	%100
40	M32A	Z	3.178	3.178	0	%100
41	M33A	X	5.505	5.505	0	%100
42	M33A	Z	3.178	3.178	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	7.91	7.91	0	%100
48	MP1C	Z	4.567	4.567	0	%100
49	MP2C	X	7.91	7.91	0	%100
50	MP2C	Z	4.567	4.567	0	%100
51	MP3C	X	7.91	7.91	0	%100
52	MP3C	Z	4.567	4.567	0	%100
53	MP4C	X	7.91	7.91	0	%100
54	MP4C	Z	4.567	4.567	0	%100
55	MP5C	X	7.91	7.91	0	%100
56	MP5C	Z	4.567	4.567	0	%100
57	MP1B	X	7.91	7.91	0	%100
58	MP1B	Z	4.567	4.567	0	%100
59	MP2B	X	7.91	7.91	0	%100
60	MP2B	Z	4.567	4.567	0	%100
61	MP3B	X	7.91	7.91	0	%100
62	MP3B	Z	4.567	4.567	0	%100
63	MP4B	X	7.91	7.91	0	%100
64	MP4B	Z	4.567	4.567	0	%100
65	MP5B	X	7.91	7.91	0	%100
66	MP5B	Z	4.567	4.567	0	%100
67	M57	X	7.91	7.91	0	%100
68	M57	Z	4.567	4.567	0	%100
69	M57A	X	13.851	13.851	0	%100
70	M57A	Z	7.997	7.997	0	%100
71	M58	X	13.851	13.851	0	%100
72	M58	Z	7.997	7.997	0	%100
73	M59	X	10.91	10.91	0	%100
74	M59	Z	6.299	6.299	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	4.567	4.567	0	%100
2	MP1A	Z	7.91	7.91	0	%100
3	M7	X	6.009	6.009	0	%100
4	M7	Z	10.408	10.408	0	%100
5	M17	X	1.933	1.933	0	%100
6	M17	Z	3.348	3.348	0	%100
7	M48	X	1.059	1.059	0	%100
8	M48	Z	1.835	1.835	0	%100
9	M49	X	1.059	1.059	0	%100
10	M49	Z	1.835	1.835	0	%100
11	M50	X	1.059	1.059	0	%100
12	M50	Z	1.835	1.835	0	%100
13	M51	X	1.059	1.059	0	%100
14	M51	Z	1.835	1.835	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	6.009	6.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
18	M13	Z	10.408	10.408	0	%100
19	M21	X	4.237	4.237	0	%100
20	M21	Z	7.34	7.34	0	%100
21	M22	X	4.237	4.237	0	%100
22	M22	Z	7.34	7.34	0	%100
23	M25	X	1.059	1.059	0	%100
24	M25	Z	1.835	1.835	0	%100
25	M26	X	1.059	1.059	0	%100
26	M26	Z	1.835	1.835	0	%100
27	M26A	X	7.732	7.732	0	%100
28	M26A	Z	13.392	13.392	0	%100
29	M27A	X	1.933	1.933	0	%100
30	M27A	Z	3.348	3.348	0	%100
31	MP2A	X	4.567	4.567	0	%100
32	MP2A	Z	7.91	7.91	0	%100
33	MP3A	X	4.567	4.567	0	%100
34	MP3A	Z	7.91	7.91	0	%100
35	MP4A	X	4.567	4.567	0	%100
36	MP4A	Z	7.91	7.91	0	%100
37	MP5A	X	4.567	4.567	0	%100
38	MP5A	Z	7.91	7.91	0	%100
39	M32A	X	4.237	4.237	0	%100
40	M32A	Z	7.34	7.34	0	%100
41	M33A	X	4.237	4.237	0	%100
42	M33A	Z	7.34	7.34	0	%100
43	M34A	X	1.059	1.059	0	%100
44	M34A	Z	1.835	1.835	0	%100
45	M35A	X	1.059	1.059	0	%100
46	M35A	Z	1.835	1.835	0	%100
47	MP1C	X	4.567	4.567	0	%100
48	MP1C	Z	7.91	7.91	0	%100
49	MP2C	X	4.567	4.567	0	%100
50	MP2C	Z	7.91	7.91	0	%100
51	MP3C	X	4.567	4.567	0	%100
52	MP3C	Z	7.91	7.91	0	%100
53	MP4C	X	4.567	4.567	0	%100
54	MP4C	Z	7.91	7.91	0	%100
55	MP5C	X	4.567	4.567	0	%100
56	MP5C	Z	7.91	7.91	0	%100
57	MP1B	X	4.567	4.567	0	%100
58	MP1B	Z	7.91	7.91	0	%100
59	MP2B	X	4.567	4.567	0	%100
60	MP2B	Z	7.91	7.91	0	%100
61	MP3B	X	4.567	4.567	0	%100
62	MP3B	Z	7.91	7.91	0	%100
63	MP4B	X	4.567	4.567	0	%100
64	MP4B	Z	7.91	7.91	0	%100
65	MP5B	X	4.567	4.567	0	%100
66	MP5B	Z	7.91	7.91	0	%100
67	M57	X	4.567	4.567	0	%100
68	M57	Z	7.91	7.91	0	%100
69	M57A	X	6.865	6.865	0	%100
70	M57A	Z	11.891	11.891	0	%100
71	M58	X	8.563	8.563	0	%100
72	M58	Z	14.832	14.832	0	%100
73	M59	X	6.865	6.865	0	%100
74	M59	Z	11.891	11.891	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/f,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	9.134	9.134	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	16.024	16.024	0	%100
5	M17	X	0	0	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	0	0	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	0	0	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	0	0	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	4.006	4.006	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	4.006	4.006	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	6.356	6.356	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	6.356	6.356	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	6.356	6.356	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	6.356	6.356	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	11.597	11.597	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	11.597	11.597	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	9.134	9.134	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	9.134	9.134	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	9.134	9.134	0	%100
37	MP5A	X	0	0	0	%100
38	MP5A	Z	9.134	9.134	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	6.356	6.356	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	6.356	6.356	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	6.356	6.356	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	6.356	6.356	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	9.134	9.134	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	9.134	9.134	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	9.134	9.134	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	9.134	9.134	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	9.134	9.134	0	%100
57	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
58	MP1B	Z	9.134	9.134	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	9.134	9.134	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	9.134	9.134	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	9.134	9.134	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	9.134	9.134	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	9.134	9.134	0	%100
69	M57A	X	0	0	0	%100
70	M57A	Z	12.598	12.598	0	%100
71	M58	X	0	0	0	%100
72	M58	Z	15.994	15.994	0	%100
73	M59	X	0	0	0	%100
74	M59	Z	15.994	15.994	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-4.567	-4.567	0	%100
2	MP1A	Z	7.91	7.91	0	%100
3	M7	X	-6.009	-6.009	0	%100
4	M7	Z	10.408	10.408	0	%100
5	M17	X	-1.933	-1.933	0	%100
6	M17	Z	3.348	3.348	0	%100
7	M48	X	-1.059	-1.059	0	%100
8	M48	Z	1.835	1.835	0	%100
9	M49	X	-1.059	-1.059	0	%100
10	M49	Z	1.835	1.835	0	%100
11	M50	X	-1.059	-1.059	0	%100
12	M50	Z	1.835	1.835	0	%100
13	M51	X	-1.059	-1.059	0	%100
14	M51	Z	1.835	1.835	0	%100
15	M12	X	-6.009	-6.009	0	%100
16	M12	Z	10.408	10.408	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	-1.059	-1.059	0	%100
20	M21	Z	1.835	1.835	0	%100
21	M22	X	-1.059	-1.059	0	%100
22	M22	Z	1.835	1.835	0	%100
23	M25	X	-4.237	-4.237	0	%100
24	M25	Z	7.34	7.34	0	%100
25	M26	X	-4.237	-4.237	0	%100
26	M26	Z	7.34	7.34	0	%100
27	M26A	X	-1.933	-1.933	0	%100
28	M26A	Z	3.348	3.348	0	%100
29	M27A	X	-7.732	-7.732	0	%100
30	M27A	Z	13.392	13.392	0	%100
31	MP2A	X	-4.567	-4.567	0	%100
32	MP2A	Z	7.91	7.91	0	%100
33	MP3A	X	-4.567	-4.567	0	%100
34	MP3A	Z	7.91	7.91	0	%100
35	MP4A	X	-4.567	-4.567	0	%100
36	MP4A	Z	7.91	7.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
37	MP5A	X	-4.567	-4.567	0	%100
38	MP5A	Z	7.91	7.91	0	%100
39	M32A	X	-1.059	-1.059	0	%100
40	M32A	Z	1.835	1.835	0	%100
41	M33A	X	-1.059	-1.059	0	%100
42	M33A	Z	1.835	1.835	0	%100
43	M34A	X	-4.237	-4.237	0	%100
44	M34A	Z	7.34	7.34	0	%100
45	M35A	X	-4.237	-4.237	0	%100
46	M35A	Z	7.34	7.34	0	%100
47	MP1C	X	-4.567	-4.567	0	%100
48	MP1C	Z	7.91	7.91	0	%100
49	MP2C	X	-4.567	-4.567	0	%100
50	MP2C	Z	7.91	7.91	0	%100
51	MP3C	X	-4.567	-4.567	0	%100
52	MP3C	Z	7.91	7.91	0	%100
53	MP4C	X	-4.567	-4.567	0	%100
54	MP4C	Z	7.91	7.91	0	%100
55	MP5C	X	-4.567	-4.567	0	%100
56	MP5C	Z	7.91	7.91	0	%100
57	MP1B	X	-4.567	-4.567	0	%100
58	MP1B	Z	7.91	7.91	0	%100
59	MP2B	X	-4.567	-4.567	0	%100
60	MP2B	Z	7.91	7.91	0	%100
61	MP3B	X	-4.567	-4.567	0	%100
62	MP3B	Z	7.91	7.91	0	%100
63	MP4B	X	-4.567	-4.567	0	%100
64	MP4B	Z	7.91	7.91	0	%100
65	MP5B	X	-4.567	-4.567	0	%100
66	MP5B	Z	7.91	7.91	0	%100
67	M57	X	-4.567	-4.567	0	%100
68	M57	Z	7.91	7.91	0	%100
69	M57A	X	-6.865	-6.865	0	%100
70	M57A	Z	11.891	11.891	0	%100
71	M58	X	-6.865	-6.865	0	%100
72	M58	Z	11.891	11.891	0	%100
73	M59	X	-8.563	-8.563	0	%100
74	M59	Z	14.832	14.832	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-7.91	-7.91	0	%100
2	MP1A	Z	4.567	4.567	0	%100
3	M7	X	-3.469	-3.469	0	%100
4	M7	Z	2.003	2.003	0	%100
5	M17	X	-10.044	-10.044	0	%100
6	M17	Z	5.799	5.799	0	%100
7	M48	X	-5.505	-5.505	0	%100
8	M48	Z	3.178	3.178	0	%100
9	M49	X	-5.505	-5.505	0	%100
10	M49	Z	3.178	3.178	0	%100
11	M50	X	-5.505	-5.505	0	%100
12	M50	Z	3.178	3.178	0	%100
13	M51	X	-5.505	-5.505	0	%100
14	M51	Z	3.178	3.178	0	%100
15	M12	X	-13.877	-13.877	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
16	M12	Z	8.012	8.012	0	%100
17	M13	X	-3.469	-3.469	0	%100
18	M13	Z	2.003	2.003	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	-5.505	-5.505	0	%100
24	M25	Z	3.178	3.178	0	%100
25	M26	X	-5.505	-5.505	0	%100
26	M26	Z	3.178	3.178	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-10.044	-10.044	0	%100
30	M27A	Z	5.799	5.799	0	%100
31	MP2A	X	-7.91	-7.91	0	%100
32	MP2A	Z	4.567	4.567	0	%100
33	MP3A	X	-7.91	-7.91	0	%100
34	MP3A	Z	4.567	4.567	0	%100
35	MP4A	X	-7.91	-7.91	0	%100
36	MP4A	Z	4.567	4.567	0	%100
37	MP5A	X	-7.91	-7.91	0	%100
38	MP5A	Z	4.567	4.567	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	-5.505	-5.505	0	%100
44	M34A	Z	3.178	3.178	0	%100
45	M35A	X	-5.505	-5.505	0	%100
46	M35A	Z	3.178	3.178	0	%100
47	MP1C	X	-7.91	-7.91	0	%100
48	MP1C	Z	4.567	4.567	0	%100
49	MP2C	X	-7.91	-7.91	0	%100
50	MP2C	Z	4.567	4.567	0	%100
51	MP3C	X	-7.91	-7.91	0	%100
52	MP3C	Z	4.567	4.567	0	%100
53	MP4C	X	-7.91	-7.91	0	%100
54	MP4C	Z	4.567	4.567	0	%100
55	MP5C	X	-7.91	-7.91	0	%100
56	MP5C	Z	4.567	4.567	0	%100
57	MP1B	X	-7.91	-7.91	0	%100
58	MP1B	Z	4.567	4.567	0	%100
59	MP2B	X	-7.91	-7.91	0	%100
60	MP2B	Z	4.567	4.567	0	%100
61	MP3B	X	-7.91	-7.91	0	%100
62	MP3B	Z	4.567	4.567	0	%100
63	MP4B	X	-7.91	-7.91	0	%100
64	MP4B	Z	4.567	4.567	0	%100
65	MP5B	X	-7.91	-7.91	0	%100
66	MP5B	Z	4.567	4.567	0	%100
67	M57	X	-7.91	-7.91	0	%100
68	M57	Z	4.567	4.567	0	%100
69	M57A	X	-13.851	-13.851	0	%100
70	M57A	Z	7.997	7.997	0	%100
71	M58	X	-10.91	-10.91	0	%100
72	M58	Z	6.299	6.299	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
73	M59	X	-13.851	-13.851	0	%100
74	M59	Z	7.997	7.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-9.134	-9.134	0	%100
2	MP1A	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M17	X	-15.463	-15.463	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	-8.475	-8.475	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	-8.475	-8.475	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	-8.475	-8.475	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	-8.475	-8.475	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	-12.018	-12.018	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-12.018	-12.018	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	-2.119	-2.119	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-2.119	-2.119	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	-2.119	-2.119	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	-2.119	-2.119	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	-3.866	-3.866	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-3.866	-3.866	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	-9.134	-9.134	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	-9.134	-9.134	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	-9.134	-9.134	0	%100
36	MP4A	Z	0	0	0	%100
37	MP5A	X	-9.134	-9.134	0	%100
38	MP5A	Z	0	0	0	%100
39	M32A	X	-2.119	-2.119	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	-2.119	-2.119	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	-2.119	-2.119	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	-2.119	-2.119	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	-9.134	-9.134	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-9.134	-9.134	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-9.134	-9.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-9.134	-9.134	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-9.134	-9.134	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-9.134	-9.134	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-9.134	-9.134	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-9.134	-9.134	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-9.134	-9.134	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-9.134	-9.134	0	%100
66	MP5B	Z	0	0	0	%100
67	M57	X	-9.134	-9.134	0	%100
68	M57	Z	0	0	0	%100
69	M57A	X	-17.126	-17.126	0	%100
70	M57A	Z	0	0	0	%100
71	M58	X	-13.73	-13.73	0	%100
72	M58	Z	0	0	0	%100
73	M59	X	-13.73	-13.73	0	%100
74	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-7.91	-7.91	0	%100
2	MP1A	Z	-4.567	-4.567	0	%100
3	M7	X	-3.469	-3.469	0	%100
4	M7	Z	-2.003	-2.003	0	%100
5	M17	X	-10.044	-10.044	0	%100
6	M17	Z	-5.799	-5.799	0	%100
7	M48	X	-5.505	-5.505	0	%100
8	M48	Z	-3.178	-3.178	0	%100
9	M49	X	-5.505	-5.505	0	%100
10	M49	Z	-3.178	-3.178	0	%100
11	M50	X	-5.505	-5.505	0	%100
12	M50	Z	-3.178	-3.178	0	%100
13	M51	X	-5.505	-5.505	0	%100
14	M51	Z	-3.178	-3.178	0	%100
15	M12	X	-3.469	-3.469	0	%100
16	M12	Z	-2.003	-2.003	0	%100
17	M13	X	-13.877	-13.877	0	%100
18	M13	Z	-8.012	-8.012	0	%100
19	M21	X	-5.505	-5.505	0	%100
20	M21	Z	-3.178	-3.178	0	%100
21	M22	X	-5.505	-5.505	0	%100
22	M22	Z	-3.178	-3.178	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	-10.044	-10.044	0	%100
28	M26A	Z	-5.799	-5.799	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	MP2A	X	-7.91	-7.91	0	%100
32	MP2A	Z	-4.567	-4.567	0	%100
33	MP3A	X	-7.91	-7.91	0	%100
34	MP3A	Z	-4.567	-4.567	0	%100
35	MP4A	X	-7.91	-7.91	0	%100
36	MP4A	Z	-4.567	-4.567	0	%100
37	MP5A	X	-7.91	-7.91	0	%100
38	MP5A	Z	-4.567	-4.567	0	%100
39	M32A	X	-5.505	-5.505	0	%100
40	M32A	Z	-3.178	-3.178	0	%100
41	M33A	X	-5.505	-5.505	0	%100
42	M33A	Z	-3.178	-3.178	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	-7.91	-7.91	0	%100
48	MP1C	Z	-4.567	-4.567	0	%100
49	MP2C	X	-7.91	-7.91	0	%100
50	MP2C	Z	-4.567	-4.567	0	%100
51	MP3C	X	-7.91	-7.91	0	%100
52	MP3C	Z	-4.567	-4.567	0	%100
53	MP4C	X	-7.91	-7.91	0	%100
54	MP4C	Z	-4.567	-4.567	0	%100
55	MP5C	X	-7.91	-7.91	0	%100
56	MP5C	Z	-4.567	-4.567	0	%100
57	MP1B	X	-7.91	-7.91	0	%100
58	MP1B	Z	-4.567	-4.567	0	%100
59	MP2B	X	-7.91	-7.91	0	%100
60	MP2B	Z	-4.567	-4.567	0	%100
61	MP3B	X	-7.91	-7.91	0	%100
62	MP3B	Z	-4.567	-4.567	0	%100
63	MP4B	X	-7.91	-7.91	0	%100
64	MP4B	Z	-4.567	-4.567	0	%100
65	MP5B	X	-7.91	-7.91	0	%100
66	MP5B	Z	-4.567	-4.567	0	%100
67	M57	X	-7.91	-7.91	0	%100
68	M57	Z	-4.567	-4.567	0	%100
69	M57A	X	-13.851	-13.851	0	%100
70	M57A	Z	-7.997	-7.997	0	%100
71	M58	X	-13.851	-13.851	0	%100
72	M58	Z	-7.997	-7.997	0	%100
73	M59	X	-10.91	-10.91	0	%100
74	M59	Z	-6.299	-6.299	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-4.567	-4.567	0	%100
2	MP1A	Z	-7.91	-7.91	0	%100
3	M7	X	-6.009	-6.009	0	%100
4	M7	Z	-10.408	-10.408	0	%100
5	M17	X	-1.933	-1.933	0	%100
6	M17	Z	-3.348	-3.348	0	%100
7	M48	X	-1.059	-1.059	0	%100
8	M48	Z	-1.835	-1.835	0	%100
9	M49	X	-1.059	-1.059	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
10	M49	Z	-1.835	-1.835	0	%100
11	M50	X	-1.059	-1.059	0	%100
12	M50	Z	-1.835	-1.835	0	%100
13	M51	X	-1.059	-1.059	0	%100
14	M51	Z	-1.835	-1.835	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-6.009	-6.009	0	%100
18	M13	Z	-10.408	-10.408	0	%100
19	M21	X	-4.237	-4.237	0	%100
20	M21	Z	-7.34	-7.34	0	%100
21	M22	X	-4.237	-4.237	0	%100
22	M22	Z	-7.34	-7.34	0	%100
23	M25	X	-1.059	-1.059	0	%100
24	M25	Z	-1.835	-1.835	0	%100
25	M26	X	-1.059	-1.059	0	%100
26	M26	Z	-1.835	-1.835	0	%100
27	M26A	X	-7.732	-7.732	0	%100
28	M26A	Z	-13.392	-13.392	0	%100
29	M27A	X	-1.933	-1.933	0	%100
30	M27A	Z	-3.348	-3.348	0	%100
31	MP2A	X	-4.567	-4.567	0	%100
32	MP2A	Z	-7.91	-7.91	0	%100
33	MP3A	X	-4.567	-4.567	0	%100
34	MP3A	Z	-7.91	-7.91	0	%100
35	MP4A	X	-4.567	-4.567	0	%100
36	MP4A	Z	-7.91	-7.91	0	%100
37	MP5A	X	-4.567	-4.567	0	%100
38	MP5A	Z	-7.91	-7.91	0	%100
39	M32A	X	-4.237	-4.237	0	%100
40	M32A	Z	-7.34	-7.34	0	%100
41	M33A	X	-4.237	-4.237	0	%100
42	M33A	Z	-7.34	-7.34	0	%100
43	M34A	X	-1.059	-1.059	0	%100
44	M34A	Z	-1.835	-1.835	0	%100
45	M35A	X	-1.059	-1.059	0	%100
46	M35A	Z	-1.835	-1.835	0	%100
47	MP1C	X	-4.567	-4.567	0	%100
48	MP1C	Z	-7.91	-7.91	0	%100
49	MP2C	X	-4.567	-4.567	0	%100
50	MP2C	Z	-7.91	-7.91	0	%100
51	MP3C	X	-4.567	-4.567	0	%100
52	MP3C	Z	-7.91	-7.91	0	%100
53	MP4C	X	-4.567	-4.567	0	%100
54	MP4C	Z	-7.91	-7.91	0	%100
55	MP5C	X	-4.567	-4.567	0	%100
56	MP5C	Z	-7.91	-7.91	0	%100
57	MP1B	X	-4.567	-4.567	0	%100
58	MP1B	Z	-7.91	-7.91	0	%100
59	MP2B	X	-4.567	-4.567	0	%100
60	MP2B	Z	-7.91	-7.91	0	%100
61	MP3B	X	-4.567	-4.567	0	%100
62	MP3B	Z	-7.91	-7.91	0	%100
63	MP4B	X	-4.567	-4.567	0	%100
64	MP4B	Z	-7.91	-7.91	0	%100
65	MP5B	X	-4.567	-4.567	0	%100
66	MP5B	Z	-7.91	-7.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
67	M57	X	-4.567	-4.567	0	%100
68	M57	Z	-7.91	-7.91	0	%100
69	M57A	X	-6.865	-6.865	0	%100
70	M57A	Z	-11.891	-11.891	0	%100
71	M58	X	-8.563	-8.563	0	%100
72	M58	Z	-14.832	-14.832	0	%100
73	M59	X	-6.865	-6.865	0	%100
74	M59	Z	-11.891	-11.891	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	-4.045	-4.045	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-5.304	-5.304	0	%100
5	M17	X	0	0	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	0	0	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	0	0	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	0	0	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-1.326	-1.326	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-1.326	-1.326	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-2.221	-2.221	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-2.221	-2.221	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-2.221	-2.221	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-2.221	-2.221	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	-3.901	-3.901	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	-3.901	-3.901	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-4.045	-4.045	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-4.045	-4.045	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	-4.045	-4.045	0	%100
37	MP5A	X	0	0	0	%100
38	MP5A	Z	-4.045	-4.045	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	-2.221	-2.221	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	-2.221	-2.221	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	-2.221	-2.221	0	%100
45	M35A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
46	M35A	Z	-2.221	-2.221	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-4.045	-4.045	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-4.045	-4.045	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-4.045	-4.045	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-4.045	-4.045	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-4.045	-4.045	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-4.045	-4.045	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-4.045	-4.045	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-4.045	-4.045	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-4.045	-4.045	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-4.045	-4.045	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	-4.045	-4.045	0	%100
69	M57A	X	0	0	0	%100
70	M57A	Z	-3.146	-3.146	0	%100
71	M58	X	0	0	0	%100
72	M58	Z	-4.629	-4.629	0	%100
73	M59	X	0	0	0	%100
74	M59	Z	-4.629	-4.629	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	2.023	2.023	0	%100
2	MP1A	Z	-3.503	-3.503	0	%100
3	M7	X	1.989	1.989	0	%100
4	M7	Z	-3.445	-3.445	0	%100
5	M17	X	.65	.65	0	%100
6	M17	Z	-1.126	-1.126	0	%100
7	M48	X	.37	.37	0	%100
8	M48	Z	-.641	-.641	0	%100
9	M49	X	.37	.37	0	%100
10	M49	Z	-.641	-.641	0	%100
11	M50	X	.37	.37	0	%100
12	M50	Z	-.641	-.641	0	%100
13	M51	X	.37	.37	0	%100
14	M51	Z	-.641	-.641	0	%100
15	M12	X	1.989	1.989	0	%100
16	M12	Z	-3.445	-3.445	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	.37	.37	0	%100
20	M21	Z	-.641	-.641	0	%100
21	M22	X	.37	.37	0	%100
22	M22	Z	-.641	-.641	0	%100
23	M25	X	1.48	1.48	0	%100
24	M25	Z	-2.564	-2.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	M26	X	1.48	1.48	0	%100
26	M26	Z	-2.564	-2.564	0	%100
27	M26A	X	.65	.65	0	%100
28	M26A	Z	-1.126	-1.126	0	%100
29	M27A	X	2.601	2.601	0	%100
30	M27A	Z	-4.504	-4.504	0	%100
31	MP2A	X	2.023	2.023	0	%100
32	MP2A	Z	-3.503	-3.503	0	%100
33	MP3A	X	2.023	2.023	0	%100
34	MP3A	Z	-3.503	-3.503	0	%100
35	MP4A	X	2.023	2.023	0	%100
36	MP4A	Z	-3.503	-3.503	0	%100
37	MP5A	X	2.023	2.023	0	%100
38	MP5A	Z	-3.503	-3.503	0	%100
39	M32A	X	.37	.37	0	%100
40	M32A	Z	-.641	-.641	0	%100
41	M33A	X	.37	.37	0	%100
42	M33A	Z	-.641	-.641	0	%100
43	M34A	X	1.48	1.48	0	%100
44	M34A	Z	-2.564	-2.564	0	%100
45	M35A	X	1.48	1.48	0	%100
46	M35A	Z	-2.564	-2.564	0	%100
47	MP1C	X	2.023	2.023	0	%100
48	MP1C	Z	-3.503	-3.503	0	%100
49	MP2C	X	2.023	2.023	0	%100
50	MP2C	Z	-3.503	-3.503	0	%100
51	MP3C	X	2.023	2.023	0	%100
52	MP3C	Z	-3.503	-3.503	0	%100
53	MP4C	X	2.023	2.023	0	%100
54	MP4C	Z	-3.503	-3.503	0	%100
55	MP5C	X	2.023	2.023	0	%100
56	MP5C	Z	-3.503	-3.503	0	%100
57	MP1B	X	2.023	2.023	0	%100
58	MP1B	Z	-3.503	-3.503	0	%100
59	MP2B	X	2.023	2.023	0	%100
60	MP2B	Z	-3.503	-3.503	0	%100
61	MP3B	X	2.023	2.023	0	%100
62	MP3B	Z	-3.503	-3.503	0	%100
63	MP4B	X	2.023	2.023	0	%100
64	MP4B	Z	-3.503	-3.503	0	%100
65	MP5B	X	2.023	2.023	0	%100
66	MP5B	Z	-3.503	-3.503	0	%100
67	M57	X	2.023	2.023	0	%100
68	M57	Z	-3.503	-3.503	0	%100
69	M57A	X	1.82	1.82	0	%100
70	M57A	Z	-3.153	-3.153	0	%100
71	M58	X	1.82	1.82	0	%100
72	M58	Z	-3.153	-3.153	0	%100
73	M59	X	2.562	2.562	0	%100
74	M59	Z	-4.437	-4.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	3.503	3.503	0	%100
2	MP1A	Z	-2.023	-2.023	0	%100
3	M7	X	1.148	1.148	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/f,F,ksf]	Start Location[ft,%]	End Location[ft,%]
4	M7	Z	-0.663	-0.663	0	%100
5	M17	X	3.378	3.378	0	%100
6	M17	Z	-1.95	-1.95	0	%100
7	M48	X	1.923	1.923	0	%100
8	M48	Z	-1.11	-1.11	0	%100
9	M49	X	1.923	1.923	0	%100
10	M49	Z	-1.11	-1.11	0	%100
11	M50	X	1.923	1.923	0	%100
12	M50	Z	-1.11	-1.11	0	%100
13	M51	X	1.923	1.923	0	%100
14	M51	Z	-1.11	-1.11	0	%100
15	M12	X	4.593	4.593	0	%100
16	M12	Z	-2.652	-2.652	0	%100
17	M13	X	1.148	1.148	0	%100
18	M13	Z	-0.663	-0.663	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	1.923	1.923	0	%100
24	M25	Z	-1.11	-1.11	0	%100
25	M26	X	1.923	1.923	0	%100
26	M26	Z	-1.11	-1.11	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	3.378	3.378	0	%100
30	M27A	Z	-1.95	-1.95	0	%100
31	MP2A	X	3.503	3.503	0	%100
32	MP2A	Z	-2.023	-2.023	0	%100
33	MP3A	X	3.503	3.503	0	%100
34	MP3A	Z	-2.023	-2.023	0	%100
35	MP4A	X	3.503	3.503	0	%100
36	MP4A	Z	-2.023	-2.023	0	%100
37	MP5A	X	3.503	3.503	0	%100
38	MP5A	Z	-2.023	-2.023	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	1.923	1.923	0	%100
44	M34A	Z	-1.11	-1.11	0	%100
45	M35A	X	1.923	1.923	0	%100
46	M35A	Z	-1.11	-1.11	0	%100
47	MP1C	X	3.503	3.503	0	%100
48	MP1C	Z	-2.023	-2.023	0	%100
49	MP2C	X	3.503	3.503	0	%100
50	MP2C	Z	-2.023	-2.023	0	%100
51	MP3C	X	3.503	3.503	0	%100
52	MP3C	Z	-2.023	-2.023	0	%100
53	MP4C	X	3.503	3.503	0	%100
54	MP4C	Z	-2.023	-2.023	0	%100
55	MP5C	X	3.503	3.503	0	%100
56	MP5C	Z	-2.023	-2.023	0	%100
57	MP1B	X	3.503	3.503	0	%100
58	MP1B	Z	-2.023	-2.023	0	%100
59	MP2B	X	3.503	3.503	0	%100
60	MP2B	Z	-2.023	-2.023	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
61	MP3B	X	3.503	3.503	0	%100
62	MP3B	Z	-2.023	-2.023	0	%100
63	MP4B	X	3.503	3.503	0	%100
64	MP4B	Z	-2.023	-2.023	0	%100
65	MP5B	X	3.503	3.503	0	%100
66	MP5B	Z	-2.023	-2.023	0	%100
67	M57	X	3.503	3.503	0	%100
68	M57	Z	-2.023	-2.023	0	%100
69	M57A	X	4.009	4.009	0	%100
70	M57A	Z	-2.315	-2.315	0	%100
71	M58	X	2.725	2.725	0	%100
72	M58	Z	-1.573	-1.573	0	%100
73	M59	X	4.009	4.009	0	%100
74	M59	Z	-2.315	-2.315	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	4.045	4.045	0	%100
2	MP1A	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M17	X	5.201	5.201	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	2.961	2.961	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	2.961	2.961	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	2.961	2.961	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	2.961	2.961	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	3.978	3.978	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	3.978	3.978	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	.74	.74	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	.74	.74	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	.74	.74	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	.74	.74	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	1.3	1.3	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	1.3	1.3	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	4.045	4.045	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	4.045	4.045	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	4.045	4.045	0	%100
36	MP4A	Z	0	0	0	%100
37	MP5A	X	4.045	4.045	0	%100
38	MP5A	Z	0	0	0	%100
39	M32A	X	.74	.74	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
40	M32A	Z	0	0	0	%100
41	M33A	X	.74	.74	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	.74	.74	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	.74	.74	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	4.045	4.045	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	4.045	4.045	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	4.045	4.045	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	4.045	4.045	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	4.045	4.045	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	4.045	4.045	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	4.045	4.045	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	4.045	4.045	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	4.045	4.045	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	4.045	4.045	0	%100
66	MP5B	Z	0	0	0	%100
67	M57	X	4.045	4.045	0	%100
68	M57	Z	0	0	0	%100
69	M57A	X	5.124	5.124	0	%100
70	M57A	Z	0	0	0	%100
71	M58	X	3.641	3.641	0	%100
72	M58	Z	0	0	0	%100
73	M59	X	3.641	3.641	0	%100
74	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	MP1A	X	3.503	3.503	0	%100
2	MP1A	Z	2.023	2.023	0	%100
3	M7	X	1.148	1.148	0	%100
4	M7	Z	.663	.663	0	%100
5	M17	X	3.378	3.378	0	%100
6	M17	Z	1.95	1.95	0	%100
7	M48	X	1.923	1.923	0	%100
8	M48	Z	1.11	1.11	0	%100
9	M49	X	1.923	1.923	0	%100
10	M49	Z	1.11	1.11	0	%100
11	M50	X	1.923	1.923	0	%100
12	M50	Z	1.11	1.11	0	%100
13	M51	X	1.923	1.923	0	%100
14	M51	Z	1.11	1.11	0	%100
15	M12	X	1.148	1.148	0	%100
16	M12	Z	.663	.663	0	%100
17	M13	X	4.593	4.593	0	%100
18	M13	Z	2.652	2.652	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
19	M21	X	1.923	1.923	0	%100
20	M21	Z	1.11	1.11	0	%100
21	M22	X	1.923	1.923	0	%100
22	M22	Z	1.11	1.11	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	3.378	3.378	0	%100
28	M26A	Z	1.95	1.95	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	3.503	3.503	0	%100
32	MP2A	Z	2.023	2.023	0	%100
33	MP3A	X	3.503	3.503	0	%100
34	MP3A	Z	2.023	2.023	0	%100
35	MP4A	X	3.503	3.503	0	%100
36	MP4A	Z	2.023	2.023	0	%100
37	MP5A	X	3.503	3.503	0	%100
38	MP5A	Z	2.023	2.023	0	%100
39	M32A	X	1.923	1.923	0	%100
40	M32A	Z	1.11	1.11	0	%100
41	M33A	X	1.923	1.923	0	%100
42	M33A	Z	1.11	1.11	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	3.503	3.503	0	%100
48	MP1C	Z	2.023	2.023	0	%100
49	MP2C	X	3.503	3.503	0	%100
50	MP2C	Z	2.023	2.023	0	%100
51	MP3C	X	3.503	3.503	0	%100
52	MP3C	Z	2.023	2.023	0	%100
53	MP4C	X	3.503	3.503	0	%100
54	MP4C	Z	2.023	2.023	0	%100
55	MP5C	X	3.503	3.503	0	%100
56	MP5C	Z	2.023	2.023	0	%100
57	MP1B	X	3.503	3.503	0	%100
58	MP1B	Z	2.023	2.023	0	%100
59	MP2B	X	3.503	3.503	0	%100
60	MP2B	Z	2.023	2.023	0	%100
61	MP3B	X	3.503	3.503	0	%100
62	MP3B	Z	2.023	2.023	0	%100
63	MP4B	X	3.503	3.503	0	%100
64	MP4B	Z	2.023	2.023	0	%100
65	MP5B	X	3.503	3.503	0	%100
66	MP5B	Z	2.023	2.023	0	%100
67	M57	X	3.503	3.503	0	%100
68	M57	Z	2.023	2.023	0	%100
69	M57A	X	4.009	4.009	0	%100
70	M57A	Z	2.315	2.315	0	%100
71	M58	X	4.009	4.009	0	%100
72	M58	Z	2.315	2.315	0	%100
73	M59	X	2.725	2.725	0	%100
74	M59	Z	1.573	1.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	2.023	2.023	0	%100
2	MP1A	Z	3.503	3.503	0	%100
3	M7	X	1.989	1.989	0	%100
4	M7	Z	3.445	3.445	0	%100
5	M17	X	.65	.65	0	%100
6	M17	Z	1.126	1.126	0	%100
7	M48	X	.37	.37	0	%100
8	M48	Z	.641	.641	0	%100
9	M49	X	.37	.37	0	%100
10	M49	Z	.641	.641	0	%100
11	M50	X	.37	.37	0	%100
12	M50	Z	.641	.641	0	%100
13	M51	X	.37	.37	0	%100
14	M51	Z	.641	.641	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	1.989	1.989	0	%100
18	M13	Z	3.445	3.445	0	%100
19	M21	X	1.48	1.48	0	%100
20	M21	Z	2.564	2.564	0	%100
21	M22	X	1.48	1.48	0	%100
22	M22	Z	2.564	2.564	0	%100
23	M25	X	.37	.37	0	%100
24	M25	Z	.641	.641	0	%100
25	M26	X	.37	.37	0	%100
26	M26	Z	.641	.641	0	%100
27	M26A	X	2.601	2.601	0	%100
28	M26A	Z	4.504	4.504	0	%100
29	M27A	X	.65	.65	0	%100
30	M27A	Z	1.126	1.126	0	%100
31	MP2A	X	2.023	2.023	0	%100
32	MP2A	Z	3.503	3.503	0	%100
33	MP3A	X	2.023	2.023	0	%100
34	MP3A	Z	3.503	3.503	0	%100
35	MP4A	X	2.023	2.023	0	%100
36	MP4A	Z	3.503	3.503	0	%100
37	MP5A	X	2.023	2.023	0	%100
38	MP5A	Z	3.503	3.503	0	%100
39	M32A	X	1.48	1.48	0	%100
40	M32A	Z	2.564	2.564	0	%100
41	M33A	X	1.48	1.48	0	%100
42	M33A	Z	2.564	2.564	0	%100
43	M34A	X	.37	.37	0	%100
44	M34A	Z	.641	.641	0	%100
45	M35A	X	.37	.37	0	%100
46	M35A	Z	.641	.641	0	%100
47	MP1C	X	2.023	2.023	0	%100
48	MP1C	Z	3.503	3.503	0	%100
49	MP2C	X	2.023	2.023	0	%100
50	MP2C	Z	3.503	3.503	0	%100
51	MP3C	X	2.023	2.023	0	%100
52	MP3C	Z	3.503	3.503	0	%100
53	MP4C	X	2.023	2.023	0	%100
54	MP4C	Z	3.503	3.503	0	%100
55	MP5C	X	2.023	2.023	0	%100
56	MP5C	Z	3.503	3.503	0	%100
57	MP1B	X	2.023	2.023	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
58	MP1B	Z	3.503	3.503	0	%100
59	MP2B	X	2.023	2.023	0	%100
60	MP2B	Z	3.503	3.503	0	%100
61	MP3B	X	2.023	2.023	0	%100
62	MP3B	Z	3.503	3.503	0	%100
63	MP4B	X	2.023	2.023	0	%100
64	MP4B	Z	3.503	3.503	0	%100
65	MP5B	X	2.023	2.023	0	%100
66	MP5B	Z	3.503	3.503	0	%100
67	M57	X	2.023	2.023	0	%100
68	M57	Z	3.503	3.503	0	%100
69	M57A	X	1.82	1.82	0	%100
70	M57A	Z	3.153	3.153	0	%100
71	M58	X	2.562	2.562	0	%100
72	M58	Z	4.437	4.437	0	%100
73	M59	X	1.82	1.82	0	%100
74	M59	Z	3.153	3.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	4.045	4.045	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	5.304	5.304	0	%100
5	M17	X	0	0	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	0	0	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	0	0	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	0	0	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	1.326	1.326	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	1.326	1.326	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	2.221	2.221	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	2.221	2.221	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	2.221	2.221	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	2.221	2.221	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	3.901	3.901	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	3.901	3.901	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	4.045	4.045	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	4.045	4.045	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	4.045	4.045	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
37	MP5A	X	0	0	0	%100
38	MP5A	Z	4.045	4.045	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	2.221	2.221	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	2.221	2.221	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	2.221	2.221	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	2.221	2.221	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	4.045	4.045	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	4.045	4.045	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	4.045	4.045	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	4.045	4.045	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	4.045	4.045	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	4.045	4.045	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	4.045	4.045	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	4.045	4.045	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	4.045	4.045	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	4.045	4.045	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	4.045	4.045	0	%100
69	M57A	X	0	0	0	%100
70	M57A	Z	3.146	3.146	0	%100
71	M58	X	0	0	0	%100
72	M58	Z	4.629	4.629	0	%100
73	M59	X	0	0	0	%100
74	M59	Z	4.629	4.629	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-2.023	-2.023	0	%100
2	MP1A	Z	3.503	3.503	0	%100
3	M7	X	-1.989	-1.989	0	%100
4	M7	Z	3.445	3.445	0	%100
5	M17	X	-.65	-.65	0	%100
6	M17	Z	1.126	1.126	0	%100
7	M48	X	-.37	-.37	0	%100
8	M48	Z	.641	.641	0	%100
9	M49	X	-.37	-.37	0	%100
10	M49	Z	.641	.641	0	%100
11	M50	X	-.37	-.37	0	%100
12	M50	Z	.641	.641	0	%100
13	M51	X	-.37	-.37	0	%100
14	M51	Z	.641	.641	0	%100
15	M12	X	-1.989	-1.989	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
16	M12	Z	3.445	3.445	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	-.37	-.37	0	%100
20	M21	Z	.641	.641	0	%100
21	M22	X	-.37	-.37	0	%100
22	M22	Z	.641	.641	0	%100
23	M25	X	-1.48	-1.48	0	%100
24	M25	Z	2.564	2.564	0	%100
25	M26	X	-1.48	-1.48	0	%100
26	M26	Z	2.564	2.564	0	%100
27	M26A	X	-.65	-.65	0	%100
28	M26A	Z	1.126	1.126	0	%100
29	M27A	X	-2.601	-2.601	0	%100
30	M27A	Z	4.504	4.504	0	%100
31	MP2A	X	-2.023	-2.023	0	%100
32	MP2A	Z	3.503	3.503	0	%100
33	MP3A	X	-2.023	-2.023	0	%100
34	MP3A	Z	3.503	3.503	0	%100
35	MP4A	X	-2.023	-2.023	0	%100
36	MP4A	Z	3.503	3.503	0	%100
37	MP5A	X	-2.023	-2.023	0	%100
38	MP5A	Z	3.503	3.503	0	%100
39	M32A	X	-.37	-.37	0	%100
40	M32A	Z	.641	.641	0	%100
41	M33A	X	-.37	-.37	0	%100
42	M33A	Z	.641	.641	0	%100
43	M34A	X	-1.48	-1.48	0	%100
44	M34A	Z	2.564	2.564	0	%100
45	M35A	X	-1.48	-1.48	0	%100
46	M35A	Z	2.564	2.564	0	%100
47	MP1C	X	-2.023	-2.023	0	%100
48	MP1C	Z	3.503	3.503	0	%100
49	MP2C	X	-2.023	-2.023	0	%100
50	MP2C	Z	3.503	3.503	0	%100
51	MP3C	X	-2.023	-2.023	0	%100
52	MP3C	Z	3.503	3.503	0	%100
53	MP4C	X	-2.023	-2.023	0	%100
54	MP4C	Z	3.503	3.503	0	%100
55	MP5C	X	-2.023	-2.023	0	%100
56	MP5C	Z	3.503	3.503	0	%100
57	MP1B	X	-2.023	-2.023	0	%100
58	MP1B	Z	3.503	3.503	0	%100
59	MP2B	X	-2.023	-2.023	0	%100
60	MP2B	Z	3.503	3.503	0	%100
61	MP3B	X	-2.023	-2.023	0	%100
62	MP3B	Z	3.503	3.503	0	%100
63	MP4B	X	-2.023	-2.023	0	%100
64	MP4B	Z	3.503	3.503	0	%100
65	MP5B	X	-2.023	-2.023	0	%100
66	MP5B	Z	3.503	3.503	0	%100
67	M57	X	-2.023	-2.023	0	%100
68	M57	Z	3.503	3.503	0	%100
69	M57A	X	-1.82	-1.82	0	%100
70	M57A	Z	3.153	3.153	0	%100
71	M58	X	-1.82	-1.82	0	%100
72	M58	Z	3.153	3.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
73	M59	X	-2.562	-2.562	0	%100
74	M59	Z	4.437	4.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-3.503	-3.503	0	%100
2	MP1A	Z	2.023	2.023	0	%100
3	M7	X	-1.148	-1.148	0	%100
4	M7	Z	.663	.663	0	%100
5	M17	X	-3.378	-3.378	0	%100
6	M17	Z	1.95	1.95	0	%100
7	M48	X	-1.923	-1.923	0	%100
8	M48	Z	1.11	1.11	0	%100
9	M49	X	-1.923	-1.923	0	%100
10	M49	Z	1.11	1.11	0	%100
11	M50	X	-1.923	-1.923	0	%100
12	M50	Z	1.11	1.11	0	%100
13	M51	X	-1.923	-1.923	0	%100
14	M51	Z	1.11	1.11	0	%100
15	M12	X	-4.593	-4.593	0	%100
16	M12	Z	2.652	2.652	0	%100
17	M13	X	-1.148	-1.148	0	%100
18	M13	Z	.663	.663	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	-1.923	-1.923	0	%100
24	M25	Z	1.11	1.11	0	%100
25	M26	X	-1.923	-1.923	0	%100
26	M26	Z	1.11	1.11	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-3.378	-3.378	0	%100
30	M27A	Z	1.95	1.95	0	%100
31	MP2A	X	-3.503	-3.503	0	%100
32	MP2A	Z	2.023	2.023	0	%100
33	MP3A	X	-3.503	-3.503	0	%100
34	MP3A	Z	2.023	2.023	0	%100
35	MP4A	X	-3.503	-3.503	0	%100
36	MP4A	Z	2.023	2.023	0	%100
37	MP5A	X	-3.503	-3.503	0	%100
38	MP5A	Z	2.023	2.023	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	-1.923	-1.923	0	%100
44	M34A	Z	1.11	1.11	0	%100
45	M35A	X	-1.923	-1.923	0	%100
46	M35A	Z	1.11	1.11	0	%100
47	MP1C	X	-3.503	-3.503	0	%100
48	MP1C	Z	2.023	2.023	0	%100
49	MP2C	X	-3.503	-3.503	0	%100
50	MP2C	Z	2.023	2.023	0	%100
51	MP3C	X	-3.503	-3.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
52	MP3C	Z	2.023	2.023	0	%100
53	MP4C	X	-3.503	-3.503	0	%100
54	MP4C	Z	2.023	2.023	0	%100
55	MP5C	X	-3.503	-3.503	0	%100
56	MP5C	Z	2.023	2.023	0	%100
57	MP1B	X	-3.503	-3.503	0	%100
58	MP1B	Z	2.023	2.023	0	%100
59	MP2B	X	-3.503	-3.503	0	%100
60	MP2B	Z	2.023	2.023	0	%100
61	MP3B	X	-3.503	-3.503	0	%100
62	MP3B	Z	2.023	2.023	0	%100
63	MP4B	X	-3.503	-3.503	0	%100
64	MP4B	Z	2.023	2.023	0	%100
65	MP5B	X	-3.503	-3.503	0	%100
66	MP5B	Z	2.023	2.023	0	%100
67	M57	X	-3.503	-3.503	0	%100
68	M57	Z	2.023	2.023	0	%100
69	M57A	X	-4.009	-4.009	0	%100
70	M57A	Z	2.315	2.315	0	%100
71	M58	X	-2.725	-2.725	0	%100
72	M58	Z	1.573	1.573	0	%100
73	M59	X	-4.009	-4.009	0	%100
74	M59	Z	2.315	2.315	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-4.045	-4.045	0	%100
2	MP1A	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M17	X	-5.201	-5.201	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	-2.961	-2.961	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	-2.961	-2.961	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	-2.961	-2.961	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	-2.961	-2.961	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	-3.978	-3.978	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-3.978	-3.978	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	-.74	-.74	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-.74	-.74	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	-.74	-.74	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	-.74	-.74	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	-1.3	-1.3	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-1.3	-1.3	0	%100
30	M27A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	MP2A	X	-4.045	-4.045	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	-4.045	-4.045	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	-4.045	-4.045	0	%100
36	MP4A	Z	0	0	0	%100
37	MP5A	X	-4.045	-4.045	0	%100
38	MP5A	Z	0	0	0	%100
39	M32A	X	-.74	-.74	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	-.74	-.74	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	-.74	-.74	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	-.74	-.74	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	-4.045	-4.045	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-4.045	-4.045	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-4.045	-4.045	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-4.045	-4.045	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-4.045	-4.045	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-4.045	-4.045	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-4.045	-4.045	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-4.045	-4.045	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-4.045	-4.045	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-4.045	-4.045	0	%100
66	MP5B	Z	0	0	0	%100
67	M57	X	-4.045	-4.045	0	%100
68	M57	Z	0	0	0	%100
69	M57A	X	-5.124	-5.124	0	%100
70	M57A	Z	0	0	0	%100
71	M58	X	-3.641	-3.641	0	%100
72	M58	Z	0	0	0	%100
73	M59	X	-3.641	-3.641	0	%100
74	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-3.503	-3.503	0	%100
2	MP1A	Z	-2.023	-2.023	0	%100
3	M7	X	-1.148	-1.148	0	%100
4	M7	Z	-.663	-.663	0	%100
5	M17	X	-3.378	-3.378	0	%100
6	M17	Z	-1.95	-1.95	0	%100
7	M48	X	-1.923	-1.923	0	%100
8	M48	Z	-1.11	-1.11	0	%100
9	M49	X	-1.923	-1.923	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
10	M49	Z	-1.11	-1.11	0	%100
11	M50	X	-1.923	-1.923	0	%100
12	M50	Z	-1.11	-1.11	0	%100
13	M51	X	-1.923	-1.923	0	%100
14	M51	Z	-1.11	-1.11	0	%100
15	M12	X	-1.148	-1.148	0	%100
16	M12	Z	-.663	-.663	0	%100
17	M13	X	-4.593	-4.593	0	%100
18	M13	Z	-2.652	-2.652	0	%100
19	M21	X	-1.923	-1.923	0	%100
20	M21	Z	-1.11	-1.11	0	%100
21	M22	X	-1.923	-1.923	0	%100
22	M22	Z	-1.11	-1.11	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	-3.378	-3.378	0	%100
28	M26A	Z	-1.95	-1.95	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	-3.503	-3.503	0	%100
32	MP2A	Z	-2.023	-2.023	0	%100
33	MP3A	X	-3.503	-3.503	0	%100
34	MP3A	Z	-2.023	-2.023	0	%100
35	MP4A	X	-3.503	-3.503	0	%100
36	MP4A	Z	-2.023	-2.023	0	%100
37	MP5A	X	-3.503	-3.503	0	%100
38	MP5A	Z	-2.023	-2.023	0	%100
39	M32A	X	-1.923	-1.923	0	%100
40	M32A	Z	-1.11	-1.11	0	%100
41	M33A	X	-1.923	-1.923	0	%100
42	M33A	Z	-1.11	-1.11	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	-3.503	-3.503	0	%100
48	MP1C	Z	-2.023	-2.023	0	%100
49	MP2C	X	-3.503	-3.503	0	%100
50	MP2C	Z	-2.023	-2.023	0	%100
51	MP3C	X	-3.503	-3.503	0	%100
52	MP3C	Z	-2.023	-2.023	0	%100
53	MP4C	X	-3.503	-3.503	0	%100
54	MP4C	Z	-2.023	-2.023	0	%100
55	MP5C	X	-3.503	-3.503	0	%100
56	MP5C	Z	-2.023	-2.023	0	%100
57	MP1B	X	-3.503	-3.503	0	%100
58	MP1B	Z	-2.023	-2.023	0	%100
59	MP2B	X	-3.503	-3.503	0	%100
60	MP2B	Z	-2.023	-2.023	0	%100
61	MP3B	X	-3.503	-3.503	0	%100
62	MP3B	Z	-2.023	-2.023	0	%100
63	MP4B	X	-3.503	-3.503	0	%100
64	MP4B	Z	-2.023	-2.023	0	%100
65	MP5B	X	-3.503	-3.503	0	%100
66	MP5B	Z	-2.023	-2.023	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
67	M57	X	-3.503	-3.503	0	%100
68	M57	Z	-2.023	-2.023	0	%100
69	M57A	X	-4.009	-4.009	0	%100
70	M57A	Z	-2.315	-2.315	0	%100
71	M58	X	-4.009	-4.009	0	%100
72	M58	Z	-2.315	-2.315	0	%100
73	M59	X	-2.725	-2.725	0	%100
74	M59	Z	-1.573	-1.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-2.023	-2.023	0	%100
2	MP1A	Z	-3.503	-3.503	0	%100
3	M7	X	-1.989	-1.989	0	%100
4	M7	Z	-3.445	-3.445	0	%100
5	M17	X	-.65	-.65	0	%100
6	M17	Z	-1.126	-1.126	0	%100
7	M48	X	-.37	-.37	0	%100
8	M48	Z	-.641	-.641	0	%100
9	M49	X	-.37	-.37	0	%100
10	M49	Z	-.641	-.641	0	%100
11	M50	X	-.37	-.37	0	%100
12	M50	Z	-.641	-.641	0	%100
13	M51	X	-.37	-.37	0	%100
14	M51	Z	-.641	-.641	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-1.989	-1.989	0	%100
18	M13	Z	-3.445	-3.445	0	%100
19	M21	X	-1.48	-1.48	0	%100
20	M21	Z	-2.564	-2.564	0	%100
21	M22	X	-1.48	-1.48	0	%100
22	M22	Z	-2.564	-2.564	0	%100
23	M25	X	-.37	-.37	0	%100
24	M25	Z	-.641	-.641	0	%100
25	M26	X	-.37	-.37	0	%100
26	M26	Z	-.641	-.641	0	%100
27	M26A	X	-2.601	-2.601	0	%100
28	M26A	Z	-4.504	-4.504	0	%100
29	M27A	X	-.65	-.65	0	%100
30	M27A	Z	-1.126	-1.126	0	%100
31	MP2A	X	-2.023	-2.023	0	%100
32	MP2A	Z	-3.503	-3.503	0	%100
33	MP3A	X	-2.023	-2.023	0	%100
34	MP3A	Z	-3.503	-3.503	0	%100
35	MP4A	X	-2.023	-2.023	0	%100
36	MP4A	Z	-3.503	-3.503	0	%100
37	MP5A	X	-2.023	-2.023	0	%100
38	MP5A	Z	-3.503	-3.503	0	%100
39	M32A	X	-1.48	-1.48	0	%100
40	M32A	Z	-2.564	-2.564	0	%100
41	M33A	X	-1.48	-1.48	0	%100
42	M33A	Z	-2.564	-2.564	0	%100
43	M34A	X	-.37	-.37	0	%100
44	M34A	Z	-.641	-.641	0	%100
45	M35A	X	-.37	-.37	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
46	M35A	Z	- .641	- .641	0	%100
47	MP1C	X	-2.023	-2.023	0	%100
48	MP1C	Z	-3.503	-3.503	0	%100
49	MP2C	X	-2.023	-2.023	0	%100
50	MP2C	Z	-3.503	-3.503	0	%100
51	MP3C	X	-2.023	-2.023	0	%100
52	MP3C	Z	-3.503	-3.503	0	%100
53	MP4C	X	-2.023	-2.023	0	%100
54	MP4C	Z	-3.503	-3.503	0	%100
55	MP5C	X	-2.023	-2.023	0	%100
56	MP5C	Z	-3.503	-3.503	0	%100
57	MP1B	X	-2.023	-2.023	0	%100
58	MP1B	Z	-3.503	-3.503	0	%100
59	MP2B	X	-2.023	-2.023	0	%100
60	MP2B	Z	-3.503	-3.503	0	%100
61	MP3B	X	-2.023	-2.023	0	%100
62	MP3B	Z	-3.503	-3.503	0	%100
63	MP4B	X	-2.023	-2.023	0	%100
64	MP4B	Z	-3.503	-3.503	0	%100
65	MP5B	X	-2.023	-2.023	0	%100
66	MP5B	Z	-3.503	-3.503	0	%100
67	M57	X	-2.023	-2.023	0	%100
68	M57	Z	-3.503	-3.503	0	%100
69	M57A	X	-1.82	-1.82	0	%100
70	M57A	Z	-3.153	-3.153	0	%100
71	M58	X	-2.562	-2.562	0	%100
72	M58	Z	-4.437	-4.437	0	%100
73	M59	X	-1.82	-1.82	0	%100
74	M59	Z	-3.153	-3.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	-.601	-.601	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-1.054	-1.054	0	%100
5	M17	X	0	0	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	0	0	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	0	0	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	0	0	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-.263	-.263	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.263	-.263	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-.418	-.418	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-.418	-.418	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-.418	-.418	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	M26	X	0	0	0	%100
26	M26	Z	-.418	-.418	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	-.762	-.762	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	-.762	-.762	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-.601	-.601	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-.601	-.601	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	-.601	-.601	0	%100
37	MP5A	X	0	0	0	%100
38	MP5A	Z	-.601	-.601	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	-.418	-.418	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	-.418	-.418	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	-.418	-.418	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	-.418	-.418	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-.601	-.601	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-.601	-.601	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-.601	-.601	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-.601	-.601	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-.601	-.601	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-.601	-.601	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-.601	-.601	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-.601	-.601	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.601	-.601	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-.601	-.601	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	-.601	-.601	0	%100
69	M57A	X	0	0	0	%100
70	M57A	Z	-.828	-.828	0	%100
71	M58	X	0	0	0	%100
72	M58	Z	-1.052	-1.052	0	%100
73	M59	X	0	0	0	%100
74	M59	Z	-1.052	-1.052	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	.3	.3	0	%100
2	MP1A	Z	-.52	-.52	0	%100
3	M7	X	.395	.395	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/f,F,ksf]	Start Location[ft,%]	End Location[ft,%]
4	M7	Z	-.684	-.684	0	%100
5	M17	X	.127	.127	0	%100
6	M17	Z	-.22	-.22	0	%100
7	M48	X	.07	.07	0	%100
8	M48	Z	-.121	-.121	0	%100
9	M49	X	.07	.07	0	%100
10	M49	Z	-.121	-.121	0	%100
11	M50	X	.07	.07	0	%100
12	M50	Z	-.121	-.121	0	%100
13	M51	X	.07	.07	0	%100
14	M51	Z	-.121	-.121	0	%100
15	M12	X	.395	.395	0	%100
16	M12	Z	-.684	-.684	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	.07	.07	0	%100
20	M21	Z	-.121	-.121	0	%100
21	M22	X	.07	.07	0	%100
22	M22	Z	-.121	-.121	0	%100
23	M25	X	.279	.279	0	%100
24	M25	Z	-.483	-.483	0	%100
25	M26	X	.279	.279	0	%100
26	M26	Z	-.483	-.483	0	%100
27	M26A	X	.127	.127	0	%100
28	M26A	Z	-.22	-.22	0	%100
29	M27A	X	.508	.508	0	%100
30	M27A	Z	-.88	-.88	0	%100
31	MP2A	X	.3	.3	0	%100
32	MP2A	Z	-.52	-.52	0	%100
33	MP3A	X	.3	.3	0	%100
34	MP3A	Z	-.52	-.52	0	%100
35	MP4A	X	.3	.3	0	%100
36	MP4A	Z	-.52	-.52	0	%100
37	MP5A	X	.3	.3	0	%100
38	MP5A	Z	-.52	-.52	0	%100
39	M32A	X	.07	.07	0	%100
40	M32A	Z	-.121	-.121	0	%100
41	M33A	X	.07	.07	0	%100
42	M33A	Z	-.121	-.121	0	%100
43	M34A	X	.279	.279	0	%100
44	M34A	Z	-.483	-.483	0	%100
45	M35A	X	.279	.279	0	%100
46	M35A	Z	-.483	-.483	0	%100
47	MP1C	X	.3	.3	0	%100
48	MP1C	Z	-.52	-.52	0	%100
49	MP2C	X	.3	.3	0	%100
50	MP2C	Z	-.52	-.52	0	%100
51	MP3C	X	.3	.3	0	%100
52	MP3C	Z	-.52	-.52	0	%100
53	MP4C	X	.3	.3	0	%100
54	MP4C	Z	-.52	-.52	0	%100
55	MP5C	X	.3	.3	0	%100
56	MP5C	Z	-.52	-.52	0	%100
57	MP1B	X	.3	.3	0	%100
58	MP1B	Z	-.52	-.52	0	%100
59	MP2B	X	.3	.3	0	%100
60	MP2B	Z	-.52	-.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
61	MP3B	X	.3	.3	0	%100
62	MP3B	Z	-.52	-.52	0	%100
63	MP4B	X	.3	.3	0	%100
64	MP4B	Z	-.52	-.52	0	%100
65	MP5B	X	.3	.3	0	%100
66	MP5B	Z	-.52	-.52	0	%100
67	M57	X	.3	.3	0	%100
68	M57	Z	-.52	-.52	0	%100
69	M57A	X	.451	.451	0	%100
70	M57A	Z	-.782	-.782	0	%100
71	M58	X	.451	.451	0	%100
72	M58	Z	-.782	-.782	0	%100
73	M59	X	.563	.563	0	%100
74	M59	Z	-.975	-.975	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	.52	.52	0	%100
2	MP1A	Z	-.3	-.3	0	%100
3	M7	X	.228	.228	0	%100
4	M7	Z	-.132	-.132	0	%100
5	M17	X	.66	.66	0	%100
6	M17	Z	-.381	-.381	0	%100
7	M48	X	.362	.362	0	%100
8	M48	Z	-.209	-.209	0	%100
9	M49	X	.362	.362	0	%100
10	M49	Z	-.209	-.209	0	%100
11	M50	X	.362	.362	0	%100
12	M50	Z	-.209	-.209	0	%100
13	M51	X	.362	.362	0	%100
14	M51	Z	-.209	-.209	0	%100
15	M12	X	.912	.912	0	%100
16	M12	Z	-.527	-.527	0	%100
17	M13	X	.228	.228	0	%100
18	M13	Z	-.132	-.132	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	.362	.362	0	%100
24	M25	Z	-.209	-.209	0	%100
25	M26	X	.362	.362	0	%100
26	M26	Z	-.209	-.209	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	.66	.66	0	%100
30	M27A	Z	-.381	-.381	0	%100
31	MP2A	X	.52	.52	0	%100
32	MP2A	Z	-.3	-.3	0	%100
33	MP3A	X	.52	.52	0	%100
34	MP3A	Z	-.3	-.3	0	%100
35	MP4A	X	.52	.52	0	%100
36	MP4A	Z	-.3	-.3	0	%100
37	MP5A	X	.52	.52	0	%100
38	MP5A	Z	-.3	-.3	0	%100
39	M32A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
40	M32A	Z	0	0	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	.362	.362	0	%100
44	M34A	Z	-.209	-.209	0	%100
45	M35A	X	.362	.362	0	%100
46	M35A	Z	-.209	-.209	0	%100
47	MP1C	X	.52	.52	0	%100
48	MP1C	Z	-.3	-.3	0	%100
49	MP2C	X	.52	.52	0	%100
50	MP2C	Z	-.3	-.3	0	%100
51	MP3C	X	.52	.52	0	%100
52	MP3C	Z	-.3	-.3	0	%100
53	MP4C	X	.52	.52	0	%100
54	MP4C	Z	-.3	-.3	0	%100
55	MP5C	X	.52	.52	0	%100
56	MP5C	Z	-.3	-.3	0	%100
57	MP1B	X	.52	.52	0	%100
58	MP1B	Z	-.3	-.3	0	%100
59	MP2B	X	.52	.52	0	%100
60	MP2B	Z	-.3	-.3	0	%100
61	MP3B	X	.52	.52	0	%100
62	MP3B	Z	-.3	-.3	0	%100
63	MP4B	X	.52	.52	0	%100
64	MP4B	Z	-.3	-.3	0	%100
65	MP5B	X	.52	.52	0	%100
66	MP5B	Z	-.3	-.3	0	%100
67	M57	X	.52	.52	0	%100
68	M57	Z	-.3	-.3	0	%100
69	M57A	X	.911	.911	0	%100
70	M57A	Z	-.526	-.526	0	%100
71	M58	X	.717	.717	0	%100
72	M58	Z	-.414	-.414	0	%100
73	M59	X	.911	.911	0	%100
74	M59	Z	-.526	-.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	.601	.601	0	%100
2	MP1A	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M17	X	1.017	1.017	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	.557	.557	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	.557	.557	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	.557	.557	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	.557	.557	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	.79	.79	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	.79	.79	0	%100
18	M13	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
19	M21	X	.139	.139	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	.139	.139	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	.139	.139	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	.139	.139	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	.254	.254	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	.254	.254	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	.601	.601	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	.601	.601	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	.601	.601	0	%100
36	MP4A	Z	0	0	0	%100
37	MP5A	X	.601	.601	0	%100
38	MP5A	Z	0	0	0	%100
39	M32A	X	.139	.139	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	.139	.139	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	.139	.139	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	.139	.139	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	.601	.601	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	.601	.601	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	.601	.601	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	.601	.601	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	.601	.601	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	.601	.601	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	.601	.601	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	.601	.601	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	.601	.601	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	.601	.601	0	%100
66	MP5B	Z	0	0	0	%100
67	M57	X	.601	.601	0	%100
68	M57	Z	0	0	0	%100
69	M57A	X	1.126	1.126	0	%100
70	M57A	Z	0	0	0	%100
71	M58	X	.903	.903	0	%100
72	M58	Z	0	0	0	%100
73	M59	X	.903	.903	0	%100
74	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	.52	.52	0	%100
2	MP1A	Z	.3	.3	0	%100
3	M7	X	.228	.228	0	%100
4	M7	Z	.132	.132	0	%100
5	M17	X	.66	.66	0	%100
6	M17	Z	.381	.381	0	%100
7	M48	X	.362	.362	0	%100
8	M48	Z	.209	.209	0	%100
9	M49	X	.362	.362	0	%100
10	M49	Z	.209	.209	0	%100
11	M50	X	.362	.362	0	%100
12	M50	Z	.209	.209	0	%100
13	M51	X	.362	.362	0	%100
14	M51	Z	.209	.209	0	%100
15	M12	X	.228	.228	0	%100
16	M12	Z	.132	.132	0	%100
17	M13	X	.912	.912	0	%100
18	M13	Z	.527	.527	0	%100
19	M21	X	.362	.362	0	%100
20	M21	Z	.209	.209	0	%100
21	M22	X	.362	.362	0	%100
22	M22	Z	.209	.209	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	.66	.66	0	%100
28	M26A	Z	.381	.381	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	.52	.52	0	%100
32	MP2A	Z	.3	.3	0	%100
33	MP3A	X	.52	.52	0	%100
34	MP3A	Z	.3	.3	0	%100
35	MP4A	X	.52	.52	0	%100
36	MP4A	Z	.3	.3	0	%100
37	MP5A	X	.52	.52	0	%100
38	MP5A	Z	.3	.3	0	%100
39	M32A	X	.362	.362	0	%100
40	M32A	Z	.209	.209	0	%100
41	M33A	X	.362	.362	0	%100
42	M33A	Z	.209	.209	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	.52	.52	0	%100
48	MP1C	Z	.3	.3	0	%100
49	MP2C	X	.52	.52	0	%100
50	MP2C	Z	.3	.3	0	%100
51	MP3C	X	.52	.52	0	%100
52	MP3C	Z	.3	.3	0	%100
53	MP4C	X	.52	.52	0	%100
54	MP4C	Z	.3	.3	0	%100
55	MP5C	X	.52	.52	0	%100
56	MP5C	Z	.3	.3	0	%100
57	MP1B	X	.52	.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
58	MP1B	Z	.3	.3	0	%100
59	MP2B	X	.52	.52	0	%100
60	MP2B	Z	.3	.3	0	%100
61	MP3B	X	.52	.52	0	%100
62	MP3B	Z	.3	.3	0	%100
63	MP4B	X	.52	.52	0	%100
64	MP4B	Z	.3	.3	0	%100
65	MP5B	X	.52	.52	0	%100
66	MP5B	Z	.3	.3	0	%100
67	M57	X	.52	.52	0	%100
68	M57	Z	.3	.3	0	%100
69	M57A	X	.911	.911	0	%100
70	M57A	Z	.526	.526	0	%100
71	M58	X	.911	.911	0	%100
72	M58	Z	.526	.526	0	%100
73	M59	X	.717	.717	0	%100
74	M59	Z	.414	.414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	.3	.3	0	%100
2	MP1A	Z	.52	.52	0	%100
3	M7	X	.395	.395	0	%100
4	M7	Z	.684	.684	0	%100
5	M17	X	.127	.127	0	%100
6	M17	Z	.22	.22	0	%100
7	M48	X	.07	.07	0	%100
8	M48	Z	.121	.121	0	%100
9	M49	X	.07	.07	0	%100
10	M49	Z	.121	.121	0	%100
11	M50	X	.07	.07	0	%100
12	M50	Z	.121	.121	0	%100
13	M51	X	.07	.07	0	%100
14	M51	Z	.121	.121	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	.395	.395	0	%100
18	M13	Z	.684	.684	0	%100
19	M21	X	.279	.279	0	%100
20	M21	Z	.483	.483	0	%100
21	M22	X	.279	.279	0	%100
22	M22	Z	.483	.483	0	%100
23	M25	X	.07	.07	0	%100
24	M25	Z	.121	.121	0	%100
25	M26	X	.07	.07	0	%100
26	M26	Z	.121	.121	0	%100
27	M26A	X	.508	.508	0	%100
28	M26A	Z	.88	.88	0	%100
29	M27A	X	.127	.127	0	%100
30	M27A	Z	.22	.22	0	%100
31	MP2A	X	.3	.3	0	%100
32	MP2A	Z	.52	.52	0	%100
33	MP3A	X	.3	.3	0	%100
34	MP3A	Z	.52	.52	0	%100
35	MP4A	X	.3	.3	0	%100
36	MP4A	Z	.52	.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
37	MP5A	X	.3	.3	0	%100
38	MP5A	Z	.52	.52	0	%100
39	M32A	X	.279	.279	0	%100
40	M32A	Z	.483	.483	0	%100
41	M33A	X	.279	.279	0	%100
42	M33A	Z	.483	.483	0	%100
43	M34A	X	.07	.07	0	%100
44	M34A	Z	.121	.121	0	%100
45	M35A	X	.07	.07	0	%100
46	M35A	Z	.121	.121	0	%100
47	MP1C	X	.3	.3	0	%100
48	MP1C	Z	.52	.52	0	%100
49	MP2C	X	.3	.3	0	%100
50	MP2C	Z	.52	.52	0	%100
51	MP3C	X	.3	.3	0	%100
52	MP3C	Z	.52	.52	0	%100
53	MP4C	X	.3	.3	0	%100
54	MP4C	Z	.52	.52	0	%100
55	MP5C	X	.3	.3	0	%100
56	MP5C	Z	.52	.52	0	%100
57	MP1B	X	.3	.3	0	%100
58	MP1B	Z	.52	.52	0	%100
59	MP2B	X	.3	.3	0	%100
60	MP2B	Z	.52	.52	0	%100
61	MP3B	X	.3	.3	0	%100
62	MP3B	Z	.52	.52	0	%100
63	MP4B	X	.3	.3	0	%100
64	MP4B	Z	.52	.52	0	%100
65	MP5B	X	.3	.3	0	%100
66	MP5B	Z	.52	.52	0	%100
67	M57	X	.3	.3	0	%100
68	M57	Z	.52	.52	0	%100
69	M57A	X	.451	.451	0	%100
70	M57A	Z	.782	.782	0	%100
71	M58	X	.563	.563	0	%100
72	M58	Z	.975	.975	0	%100
73	M59	X	.451	.451	0	%100
74	M59	Z	.782	.782	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	.601	.601	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	1.054	1.054	0	%100
5	M17	X	0	0	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	0	0	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	0	0	0	%100
10	M49	Z	0	0	0	%100
11	M50	X	0	0	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
16	M12	Z	.263	.263	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.263	.263	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	.418	.418	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	.418	.418	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	.418	.418	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	.418	.418	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	.762	.762	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	.762	.762	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	.601	.601	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	.601	.601	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	.601	.601	0	%100
37	MP5A	X	0	0	0	%100
38	MP5A	Z	.601	.601	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	.418	.418	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	.418	.418	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	.418	.418	0	%100
45	M35A	X	0	0	0	%100
46	M35A	Z	.418	.418	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	.601	.601	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	.601	.601	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	.601	.601	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	.601	.601	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	.601	.601	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	.601	.601	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	.601	.601	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	.601	.601	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	.601	.601	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	.601	.601	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	.601	.601	0	%100
69	M57A	X	0	0	0	%100
70	M57A	Z	.828	.828	0	%100
71	M58	X	0	0	0	%100
72	M58	Z	1.052	1.052	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
73	M59	X	0	0	0	%100
74	M59	Z	1.052	1.052	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-.3	-.3	0	%100
2	MP1A	Z	.52	.52	0	%100
3	M7	X	-.395	-.395	0	%100
4	M7	Z	.684	.684	0	%100
5	M17	X	-.127	-.127	0	%100
6	M17	Z	.22	.22	0	%100
7	M48	X	-.07	-.07	0	%100
8	M48	Z	.121	.121	0	%100
9	M49	X	-.07	-.07	0	%100
10	M49	Z	.121	.121	0	%100
11	M50	X	-.07	-.07	0	%100
12	M50	Z	.121	.121	0	%100
13	M51	X	-.07	-.07	0	%100
14	M51	Z	.121	.121	0	%100
15	M12	X	-.395	-.395	0	%100
16	M12	Z	.684	.684	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	-.07	-.07	0	%100
20	M21	Z	.121	.121	0	%100
21	M22	X	-.07	-.07	0	%100
22	M22	Z	.121	.121	0	%100
23	M25	X	-.279	-.279	0	%100
24	M25	Z	.483	.483	0	%100
25	M26	X	-.279	-.279	0	%100
26	M26	Z	.483	.483	0	%100
27	M26A	X	-.127	-.127	0	%100
28	M26A	Z	.22	.22	0	%100
29	M27A	X	-.508	-.508	0	%100
30	M27A	Z	.88	.88	0	%100
31	MP2A	X	-.3	-.3	0	%100
32	MP2A	Z	.52	.52	0	%100
33	MP3A	X	-.3	-.3	0	%100
34	MP3A	Z	.52	.52	0	%100
35	MP4A	X	-.3	-.3	0	%100
36	MP4A	Z	.52	.52	0	%100
37	MP5A	X	-.3	-.3	0	%100
38	MP5A	Z	.52	.52	0	%100
39	M32A	X	-.07	-.07	0	%100
40	M32A	Z	.121	.121	0	%100
41	M33A	X	-.07	-.07	0	%100
42	M33A	Z	.121	.121	0	%100
43	M34A	X	-.279	-.279	0	%100
44	M34A	Z	.483	.483	0	%100
45	M35A	X	-.279	-.279	0	%100
46	M35A	Z	.483	.483	0	%100
47	MP1C	X	-.3	-.3	0	%100
48	MP1C	Z	.52	.52	0	%100
49	MP2C	X	-.3	-.3	0	%100
50	MP2C	Z	.52	.52	0	%100
51	MP3C	X	-.3	-.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
52	MP3C	Z	.52	.52	0	%100
53	MP4C	X	-.3	-.3	0	%100
54	MP4C	Z	.52	.52	0	%100
55	MP5C	X	-.3	-.3	0	%100
56	MP5C	Z	.52	.52	0	%100
57	MP1B	X	-.3	-.3	0	%100
58	MP1B	Z	.52	.52	0	%100
59	MP2B	X	-.3	-.3	0	%100
60	MP2B	Z	.52	.52	0	%100
61	MP3B	X	-.3	-.3	0	%100
62	MP3B	Z	.52	.52	0	%100
63	MP4B	X	-.3	-.3	0	%100
64	MP4B	Z	.52	.52	0	%100
65	MP5B	X	-.3	-.3	0	%100
66	MP5B	Z	.52	.52	0	%100
67	M57	X	-.3	-.3	0	%100
68	M57	Z	.52	.52	0	%100
69	M57A	X	-.451	-.451	0	%100
70	M57A	Z	.782	.782	0	%100
71	M58	X	-.451	-.451	0	%100
72	M58	Z	.782	.782	0	%100
73	M59	X	-.563	-.563	0	%100
74	M59	Z	.975	.975	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-.52	-.52	0	%100
2	MP1A	Z	.3	.3	0	%100
3	M7	X	-.228	-.228	0	%100
4	M7	Z	.132	.132	0	%100
5	M17	X	-.66	-.66	0	%100
6	M17	Z	.381	.381	0	%100
7	M48	X	-.362	-.362	0	%100
8	M48	Z	.209	.209	0	%100
9	M49	X	-.362	-.362	0	%100
10	M49	Z	.209	.209	0	%100
11	M50	X	-.362	-.362	0	%100
12	M50	Z	.209	.209	0	%100
13	M51	X	-.362	-.362	0	%100
14	M51	Z	.209	.209	0	%100
15	M12	X	-.912	-.912	0	%100
16	M12	Z	.527	.527	0	%100
17	M13	X	-.228	-.228	0	%100
18	M13	Z	.132	.132	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	-.362	-.362	0	%100
24	M25	Z	.209	.209	0	%100
25	M26	X	-.362	-.362	0	%100
26	M26	Z	.209	.209	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-.66	-.66	0	%100
30	M27A	Z	.381	.381	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	MP2A	X	-.52	-.52	0	%100
32	MP2A	Z	.3	.3	0	%100
33	MP3A	X	-.52	-.52	0	%100
34	MP3A	Z	.3	.3	0	%100
35	MP4A	X	-.52	-.52	0	%100
36	MP4A	Z	.3	.3	0	%100
37	MP5A	X	-.52	-.52	0	%100
38	MP5A	Z	.3	.3	0	%100
39	M32A	X	0	0	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	0	0	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	-.362	-.362	0	%100
44	M34A	Z	.209	.209	0	%100
45	M35A	X	-.362	-.362	0	%100
46	M35A	Z	.209	.209	0	%100
47	MP1C	X	-.52	-.52	0	%100
48	MP1C	Z	.3	.3	0	%100
49	MP2C	X	-.52	-.52	0	%100
50	MP2C	Z	.3	.3	0	%100
51	MP3C	X	-.52	-.52	0	%100
52	MP3C	Z	.3	.3	0	%100
53	MP4C	X	-.52	-.52	0	%100
54	MP4C	Z	.3	.3	0	%100
55	MP5C	X	-.52	-.52	0	%100
56	MP5C	Z	.3	.3	0	%100
57	MP1B	X	-.52	-.52	0	%100
58	MP1B	Z	.3	.3	0	%100
59	MP2B	X	-.52	-.52	0	%100
60	MP2B	Z	.3	.3	0	%100
61	MP3B	X	-.52	-.52	0	%100
62	MP3B	Z	.3	.3	0	%100
63	MP4B	X	-.52	-.52	0	%100
64	MP4B	Z	.3	.3	0	%100
65	MP5B	X	-.52	-.52	0	%100
66	MP5B	Z	.3	.3	0	%100
67	M57	X	-.52	-.52	0	%100
68	M57	Z	.3	.3	0	%100
69	M57A	X	-.911	-.911	0	%100
70	M57A	Z	.526	.526	0	%100
71	M58	X	-.717	-.717	0	%100
72	M58	Z	.414	.414	0	%100
73	M59	X	-.911	-.911	0	%100
74	M59	Z	.526	.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-.601	-.601	0	%100
2	MP1A	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M17	X	-1.017	-1.017	0	%100
6	M17	Z	0	0	0	%100
7	M48	X	-.557	-.557	0	%100
8	M48	Z	0	0	0	%100
9	M49	X	-.557	-.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/f,F,ksf]	Start Location[ft,%]	End Location[ft,%]
10	M49	Z	0	0	0	%100
11	M50	X	-.557	-.557	0	%100
12	M50	Z	0	0	0	%100
13	M51	X	-.557	-.557	0	%100
14	M51	Z	0	0	0	%100
15	M12	X	-.79	-.79	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-.79	-.79	0	%100
18	M13	Z	0	0	0	%100
19	M21	X	-.139	-.139	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-.139	-.139	0	%100
22	M22	Z	0	0	0	%100
23	M25	X	-.139	-.139	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	-.139	-.139	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	-.254	-.254	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-.254	-.254	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	-.601	-.601	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	-.601	-.601	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	-.601	-.601	0	%100
36	MP4A	Z	0	0	0	%100
37	MP5A	X	-.601	-.601	0	%100
38	MP5A	Z	0	0	0	%100
39	M32A	X	-.139	-.139	0	%100
40	M32A	Z	0	0	0	%100
41	M33A	X	-.139	-.139	0	%100
42	M33A	Z	0	0	0	%100
43	M34A	X	-.139	-.139	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	-.139	-.139	0	%100
46	M35A	Z	0	0	0	%100
47	MP1C	X	-.601	-.601	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-.601	-.601	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-.601	-.601	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-.601	-.601	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-.601	-.601	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-.601	-.601	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-.601	-.601	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-.601	-.601	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-.601	-.601	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-.601	-.601	0	%100
66	MP5B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
67	M57	X	-601	-601	0	%100
68	M57	Z	0	0	0	%100
69	M57A	X	-1.126	-1.126	0	%100
70	M57A	Z	0	0	0	%100
71	M58	X	-903	-903	0	%100
72	M58	Z	0	0	0	%100
73	M59	X	-903	-903	0	%100
74	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-52	-52	0	%100
2	MP1A	Z	-3	-3	0	%100
3	M7	X	-228	-228	0	%100
4	M7	Z	-132	-132	0	%100
5	M17	X	-66	-66	0	%100
6	M17	Z	-381	-381	0	%100
7	M48	X	-362	-362	0	%100
8	M48	Z	-209	-209	0	%100
9	M49	X	-362	-362	0	%100
10	M49	Z	-209	-209	0	%100
11	M50	X	-362	-362	0	%100
12	M50	Z	-209	-209	0	%100
13	M51	X	-362	-362	0	%100
14	M51	Z	-209	-209	0	%100
15	M12	X	-228	-228	0	%100
16	M12	Z	-132	-132	0	%100
17	M13	X	-912	-912	0	%100
18	M13	Z	-527	-527	0	%100
19	M21	X	-362	-362	0	%100
20	M21	Z	-209	-209	0	%100
21	M22	X	-362	-362	0	%100
22	M22	Z	-209	-209	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	0	0	0	%100
27	M26A	X	-66	-66	0	%100
28	M26A	Z	-381	-381	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	MP2A	X	-52	-52	0	%100
32	MP2A	Z	-3	-3	0	%100
33	MP3A	X	-52	-52	0	%100
34	MP3A	Z	-3	-3	0	%100
35	MP4A	X	-52	-52	0	%100
36	MP4A	Z	-3	-3	0	%100
37	MP5A	X	-52	-52	0	%100
38	MP5A	Z	-3	-3	0	%100
39	M32A	X	-362	-362	0	%100
40	M32A	Z	-209	-209	0	%100
41	M33A	X	-362	-362	0	%100
42	M33A	Z	-209	-209	0	%100
43	M34A	X	0	0	0	%100
44	M34A	Z	0	0	0	%100
45	M35A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
46	M35A	Z	0	0	0	%100
47	MP1C	X	-52	-52	0	%100
48	MP1C	Z	-3	-3	0	%100
49	MP2C	X	-52	-52	0	%100
50	MP2C	Z	-3	-3	0	%100
51	MP3C	X	-52	-52	0	%100
52	MP3C	Z	-3	-3	0	%100
53	MP4C	X	-52	-52	0	%100
54	MP4C	Z	-3	-3	0	%100
55	MP5C	X	-52	-52	0	%100
56	MP5C	Z	-3	-3	0	%100
57	MP1B	X	-52	-52	0	%100
58	MP1B	Z	-3	-3	0	%100
59	MP2B	X	-52	-52	0	%100
60	MP2B	Z	-3	-3	0	%100
61	MP3B	X	-52	-52	0	%100
62	MP3B	Z	-3	-3	0	%100
63	MP4B	X	-52	-52	0	%100
64	MP4B	Z	-3	-3	0	%100
65	MP5B	X	-52	-52	0	%100
66	MP5B	Z	-3	-3	0	%100
67	M57	X	-52	-52	0	%100
68	M57	Z	-3	-3	0	%100
69	M57A	X	-911	-911	0	%100
70	M57A	Z	-526	-526	0	%100
71	M58	X	-911	-911	0	%100
72	M58	Z	-526	-526	0	%100
73	M59	X	-717	-717	0	%100
74	M59	Z	-414	-414	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	MP1A	X	-3	-3	0	%100
2	MP1A	Z	-52	-52	0	%100
3	M7	X	-395	-395	0	%100
4	M7	Z	-684	-684	0	%100
5	M17	X	-127	-127	0	%100
6	M17	Z	-22	-22	0	%100
7	M48	X	-07	-07	0	%100
8	M48	Z	-121	-121	0	%100
9	M49	X	-07	-07	0	%100
10	M49	Z	-121	-121	0	%100
11	M50	X	-07	-07	0	%100
12	M50	Z	-121	-121	0	%100
13	M51	X	-07	-07	0	%100
14	M51	Z	-121	-121	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-395	-395	0	%100
18	M13	Z	-684	-684	0	%100
19	M21	X	-279	-279	0	%100
20	M21	Z	-483	-483	0	%100
21	M22	X	-279	-279	0	%100
22	M22	Z	-483	-483	0	%100
23	M25	X	-07	-07	0	%100
24	M25	Z	-121	-121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	M26	X	-.07	-.07	0	%100
26	M26	Z	-.121	-.121	0	%100
27	M26A	X	-.508	-.508	0	%100
28	M26A	Z	-.88	-.88	0	%100
29	M27A	X	-.127	-.127	0	%100
30	M27A	Z	-.22	-.22	0	%100
31	MP2A	X	-.3	-.3	0	%100
32	MP2A	Z	-.52	-.52	0	%100
33	MP3A	X	-.3	-.3	0	%100
34	MP3A	Z	-.52	-.52	0	%100
35	MP4A	X	-.3	-.3	0	%100
36	MP4A	Z	-.52	-.52	0	%100
37	MP5A	X	-.3	-.3	0	%100
38	MP5A	Z	-.52	-.52	0	%100
39	M32A	X	-.279	-.279	0	%100
40	M32A	Z	-.483	-.483	0	%100
41	M33A	X	-.279	-.279	0	%100
42	M33A	Z	-.483	-.483	0	%100
43	M34A	X	-.07	-.07	0	%100
44	M34A	Z	-.121	-.121	0	%100
45	M35A	X	-.07	-.07	0	%100
46	M35A	Z	-.121	-.121	0	%100
47	MP1C	X	-.3	-.3	0	%100
48	MP1C	Z	-.52	-.52	0	%100
49	MP2C	X	-.3	-.3	0	%100
50	MP2C	Z	-.52	-.52	0	%100
51	MP3C	X	-.3	-.3	0	%100
52	MP3C	Z	-.52	-.52	0	%100
53	MP4C	X	-.3	-.3	0	%100
54	MP4C	Z	-.52	-.52	0	%100
55	MP5C	X	-.3	-.3	0	%100
56	MP5C	Z	-.52	-.52	0	%100
57	MP1B	X	-.3	-.3	0	%100
58	MP1B	Z	-.52	-.52	0	%100
59	MP2B	X	-.3	-.3	0	%100
60	MP2B	Z	-.52	-.52	0	%100
61	MP3B	X	-.3	-.3	0	%100
62	MP3B	Z	-.52	-.52	0	%100
63	MP4B	X	-.3	-.3	0	%100
64	MP4B	Z	-.52	-.52	0	%100
65	MP5B	X	-.3	-.3	0	%100
66	MP5B	Z	-.52	-.52	0	%100
67	M57	X	-.3	-.3	0	%100
68	M57	Z	-.52	-.52	0	%100
69	M57A	X	-.451	-.451	0	%100
70	M57A	Z	-.782	-.782	0	%100
71	M58	X	-.563	-.563	0	%100
72	M58	Z	-.975	-.975	0	%100
73	M59	X	-.451	-.451	0	%100
74	M59	Z	-.782	-.782	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M7	Y	-1.857	-5.29	0	2.278
2	M7	Y	-5.29	-7.737	2.278	4.556
3	M7	Y	-7.737	-8.301	4.556	6.833

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
4	M7	Y	-8.301	-8.325	6.833	9.111
5	M7	Y	-8.325	-5.986	9.111	11.389
6	M7	Y	-5.986	-.923	11.389	13.667
7	M26A	Y	-3.41	-3.41	2.614	3.689
8	M27A	Y	-2.354	-2.354	2.459	3.459
9	M17	Y	-2.354	-2.354	2.459	3.459
10	M12	Y	-1.857	-5.29	0	2.278
11	M12	Y	-5.29	-7.737	2.278	4.556
12	M12	Y	-7.737	-8.301	4.556	6.833
13	M12	Y	-8.301	-8.325	6.833	9.111
14	M12	Y	-8.325	-5.986	9.111	11.389
15	M12	Y	-5.986	-.923	11.389	13.667
16	M27A	Y	-3.41	-3.41	2.614	3.689
17	M17	Y	-3.41	-3.41	2.614	3.689
18	M13	Y	-1.857	-5.29	0	2.278
19	M13	Y	-5.29	-7.737	2.278	4.556
20	M13	Y	-7.737	-8.301	4.556	6.833
21	M13	Y	-8.301	-8.325	6.833	9.111
22	M13	Y	-8.325	-5.986	9.111	11.389
23	M13	Y	-5.986	-.923	11.389	13.667
24	M26A	Y	-2.354	-2.354	2.459	3.459

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	M7	Y	-3.261	-9.286	0	2.278
2	M7	Y	-9.286	-13.583	2.278	4.556
3	M7	Y	-13.583	-14.573	4.556	6.833
4	M7	Y	-14.573	-14.615	6.833	9.111
5	M7	Y	-14.615	-10.508	9.111	11.389
6	M7	Y	-10.508	-1.621	11.389	13.667
7	M26A	Y	-5.986	-5.986	2.614	3.689
8	M27A	Y	-4.133	-4.133	2.459	3.459
9	M17	Y	-4.185	-4.185	2.459	3.459
10	M12	Y	-3.302	-9.404	0	2.278
11	M12	Y	-9.404	-13.755	2.278	4.556
12	M12	Y	-13.755	-14.757	4.556	6.833
13	M12	Y	-14.757	-14.8	6.833	9.111
14	M12	Y	-14.8	-10.641	9.111	11.389
15	M12	Y	-10.641	-1.641	11.389	13.667
16	M27A	Y	-6.062	-6.062	2.614	3.689
17	M17	Y	-6.062	-6.062	2.614	3.689
18	M13	Y	-3.302	-9.404	0	2.278
19	M13	Y	-9.404	-13.755	2.278	4.556
20	M13	Y	-13.755	-14.757	4.556	6.833
21	M13	Y	-14.757	-14.8	6.833	9.111
22	M13	Y	-14.8	-10.641	9.111	11.389
23	M13	Y	-10.641	-1.641	11.389	13.667
24	M26A	Y	-4.185	-4.185	2.459	3.459

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N107	N108	N111A	N110	Y	Perp to A-B	-.009
2	N108	N111	N114	N113	Y	Perp to A-B	-.009
3	N111	N107	N117A	N116A	Y	Perp to A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N107	N108	N111A	N110	Y	Perp to A-B	-.016
2	N108	N111	N114	N113	Y	Perp to A-B	-.016
3	N111	N107	N117A	N116A	Y	Perp to A-B	-.016

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N26	max	805.425	10	-8.515	8	4635.557	1	-.02	8	2.077	4	.878	4
2		min	-805.321	4	-1091.134	14	-2423.3	7	-1.041	14	-2.078	10	-.748	10
3	N44A	max	4238.498	9	2.034	4	1234.544	3	.971	11	2.025	12	.88	19
4		min	-2245.048	3	-1114.188	22	-2386.577	9	-.543	5	-2.027	6	-.167	1
5	N47A	max	2332.718	11	114.642	12	1503.082	12	1.353	2	2.208	8	.382	2
6		min	-4342.624	5	-855.787	18	-2660.378	6	-1.205	8	-2.208	2	-1.113	20
7	N115A	max	36.749	10	4029.041	13	-701.974	7	0	75	0	8	0	2
8		min	-36.767	4	597.339	7	-4626.38	13	0	1	0	2	0	8
9	N118A	max	-583.268	3	4110.91	21	2361.039	21	0	10	0	4	0	4
10		min	-4089.323	21	572.905	3	336.681	3	0	4	0	10	0	10
11	N121	max	4104.423	17	4125.764	17	2369.571	17	0	12	0	12	0	12
12		min	568.213	11	558.075	11	328.154	11	0	6	0	6	0	6
13	Totals:	max	5307.127	10	8853.984	19	5185.576	1						
14		min	-5307.127	4	2382.785	64	-5185.576	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	MP2C	PIPE 2.0	.878	4.917	9	.088	5	5	14916.0...	32130	1.872	1.872	1...	H1-1b
2	MP2A	PIPE 2.0	.878	4.917	1	.088	5	9	14916.0...	32130	1.872	1.872	1...	H1-1b
3	MP2B	PIPE 2.0	.869	4.917	5	.088	5	1	14916.0...	32130	1.872	1.872	1...	H1-1b
4	MP3A	PIPE 2.0	.502	4.25	1	.045	4.339	9	13511.2...	32130	1.872	1.872	1...	H1-1b
5	MP3C	PIPE 2.0	.468	4.25	9	.039	4.339	1	13511.2...	32130	1.872	1.872	1...	H1-1b
6	MP3B	PIPE 2.0	.462	4.25	5	.040	4.339	9	13511.2...	32130	1.872	1.872	1...	H1-1b
7	M57	PIPE 2.0	.453	5.5	12	.021	5.5	12	14916.0...	32130	1.872	1.872	2...	H1-1b
8	MP1A	PIPE 2.0	.393	4.25	7	.043	4.25	8	13511.2...	32130	1.872	1.872	1...	H1-1b
9	MP1C	PIPE 2.0	.393	4.25	3	.043	4.25	4	13511.2...	32130	1.872	1.872	1...	H1-1b
10	MP1B	PIPE 2.0	.386	4.25	11	.044	4.25	12	13511.2...	32130	1.872	1.872	1...	H1-1b
11	M27A	HSS4X4X4	.332	1.264	14	.143	7.583	z	109675...	139518	16.181	16.181	1...	H1-1b
12	M26A	HSS4X4X4	.330	1.264	24	.095	4.029	y	109675...	139518	16.181	16.181	1...	H1-1b
13	M17	HSS4X4X4	.325	1.264	16	.097	4.029	y	109675...	139518	16.181	16.181	1...	H1-1b
14	M7	HSS4X4X4	.236	13.667	13	.188	13.667	z	63848.3...	139518	16.181	16.181	2...	H1-1b
15	M13	HSS4X4X4	.230	13.667	17	.184	13.667	z	63848.3...	139518	16.181	16.181	2...	H1-1b
16	M12	HSS4X4X4	.228	13.667	21	.184	13.667	z	63848.3...	139518	16.181	16.181	2...	H1-1b
17	M59	LL3x3x3x3	.131	4.61	17	.005	4.61	y	47801.0...	70632	5.543	3.751	1	H1-1b*
18	M58	LL3x3x3x3	.131	4.61	21	.004	0	y	47801.0...	70632	5.543	3.751	1	H1-1b*
19	M57A	LL3x3x3x3	.128	4.61	13	.005	4.61	y	47801.0...	70632	5.543	3.751	1	H1-1b*
20	MP5C	PIPE 2.0	.056	4.339	9	.017	4.339	7	13511.2...	32130	1.872	1.872	1...	H1-1b
21	MP5A	PIPE 2.0	.056	4.339	1	.017	4.339	5	13511.2...	32130	1.872	1.872	2...	H1-1b
22	MP5B	PIPE 2.0	.055	4.339	5	.018	4.339	6	13511.2...	32130	1.872	1.872	1...	H1-1b
23	MP4C	PIPE 2.0	.045	4.25	9	.004	4.25	9	13511.2...	32130	1.872	1.872	1...	H1-1b
24	MP4A	PIPE 2.0	.045	4.25	7	.004	4.25	7	13511.2...	32130	1.872	1.872	1...	H1-1b
25	MP4B	PIPE 2.0	.045	4.25	5	.004	4.25	5	13511.2...	32130	1.872	1.872	1...	H1-1b
26	M48	L2x2x4	.008	0	22	.001	0	y	29422.9...	30585.6	.691	1.577	2...	H2-1
27	M49	L2x2x4	.008	0	22	.001	0	y	29422.9...	30585.6	.691	1.577	2...	H2-1
28	M50	L2x2x4	.008	0	22	.001	0	y	29422.9...	30585.6	.691	1.577	2...	H2-1
29	M51	L2x2x4	.008	0	22	.001	0	y	29422.9...	30585.6	.691	1.577	2...	H2-1
30	M33A	L2x2x4	.008	0	18	.001	0	y	29422.9...	30585.6	.691	1.577	2...	H2-1
31	M22	L2x2x4	.008	0	18	.001	0	y	29422.9...	30585.6	.691	1.577	2...	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...]	phi*Mn y...	phi*Mn z...	Cb	Eqn
32	M21	L2x2x4	.008	0	18	.001	0	y	24	29422.9...	30585.6	.691	1.577	2...	H2-1
33	M34A	L2x2x4	.008	0	14	.001	0	y	23	29422.9...	30585.6	.691	1.577	2...	H2-1
34	M32A	L2x2x4	.008	0	18	.001	0	y	24	29422.9...	30585.6	.691	1.577	2...	H2-1
35	M25	L2x2x4	.008	0	14	.001	0	y	23	29422.9...	30585.6	.691	1.577	2...	H2-1
36	M26	L2x2x4	.008	0	14	.001	0	y	19	29422.9...	30585.6	.691	1.577	2...	H2-1
37	M35A	L2x2x4	.008	0	14	.001	0	y	15	29422.9...	30585.6	.691	1.577	2...	H2-1



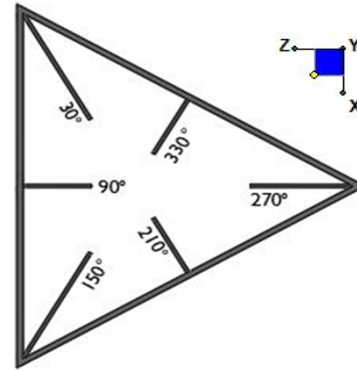
Client:	Verizon Wireless	Date:	11/29/2021
Site Name:	SOUTHINGTON NORTH CT		
Project No.	21781013A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N26	270
N44A	30
N47A	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):

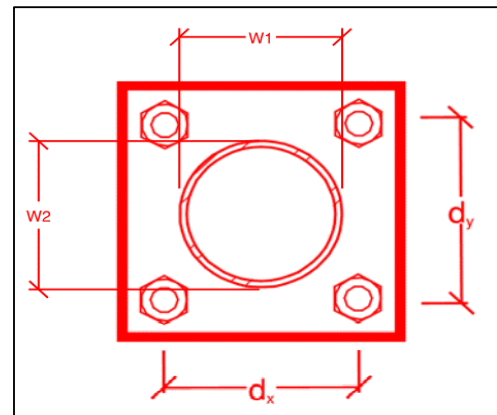
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
4
8
A325N
0.75
14.5
10.6
29.8
17.9
12.2%*
14.8%



*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):

ΦR_n (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
6
10
4
4
36
0.5
4
5.57
1.50
59.4%
27.0%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in):	7.2
$\Phi M_{n_{xx}}$ (kip-in):	12.2
$M_{u_{yy}}$ (kip-in):	0.0
$\Phi M_{n_{yy}}$ (kip-in):	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Purpose – to upload the proper documentation to the SMART Tool in order to allow 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:	<table border="1"><tr><td></td></tr></table>	
Employee Name:	<table border="1"><tr><td></td></tr></table>	
Contact Phone:	<table border="1"><tr><td></td></tr></table>	
Email:	<table border="1"><tr><td></td></tr></table>	
Date:	<table border="1"><tr><td></td></tr></table>	

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

☐ Yes ☐ No

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

Issue:

--

Response:

--

Contractor certifies that the climbing facility / safety climb was not damaged or obstructed prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

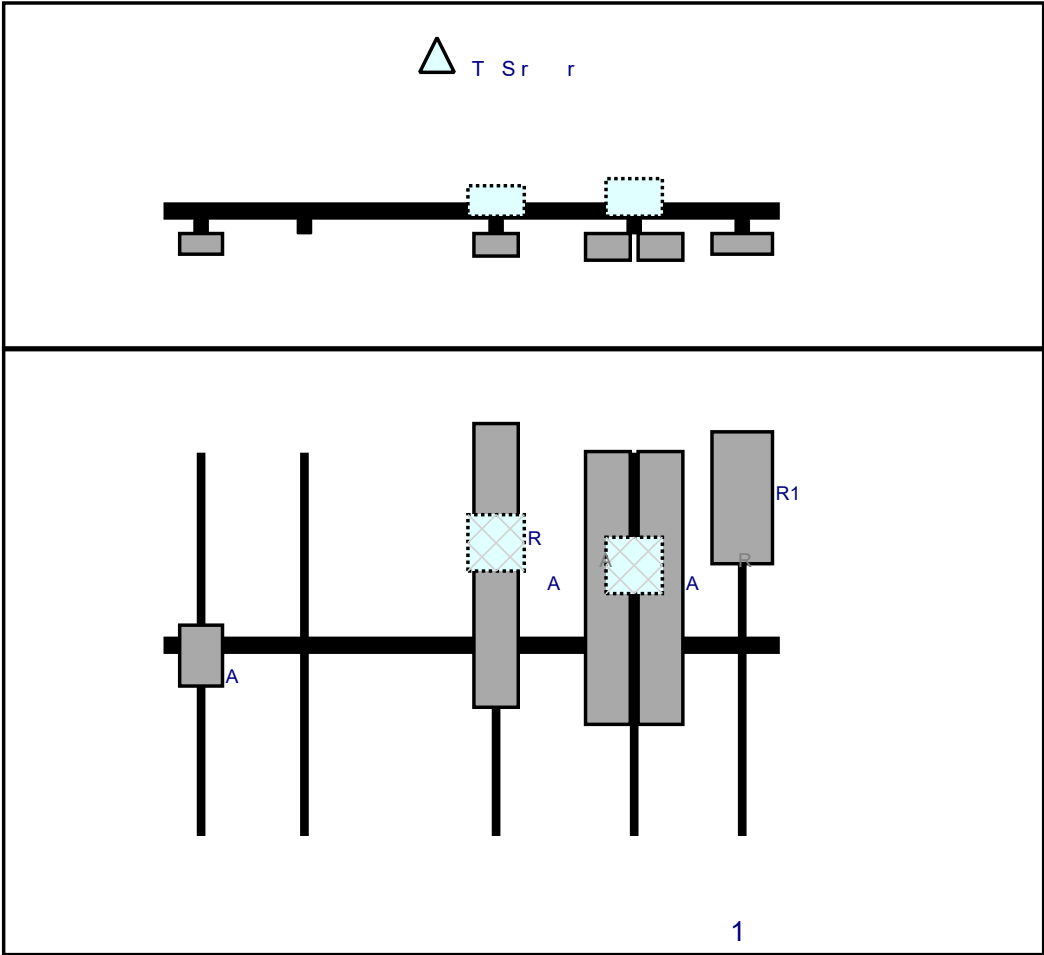
☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no obstructions when leaving the site:

☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged
☐ Safety Climb Obstructed

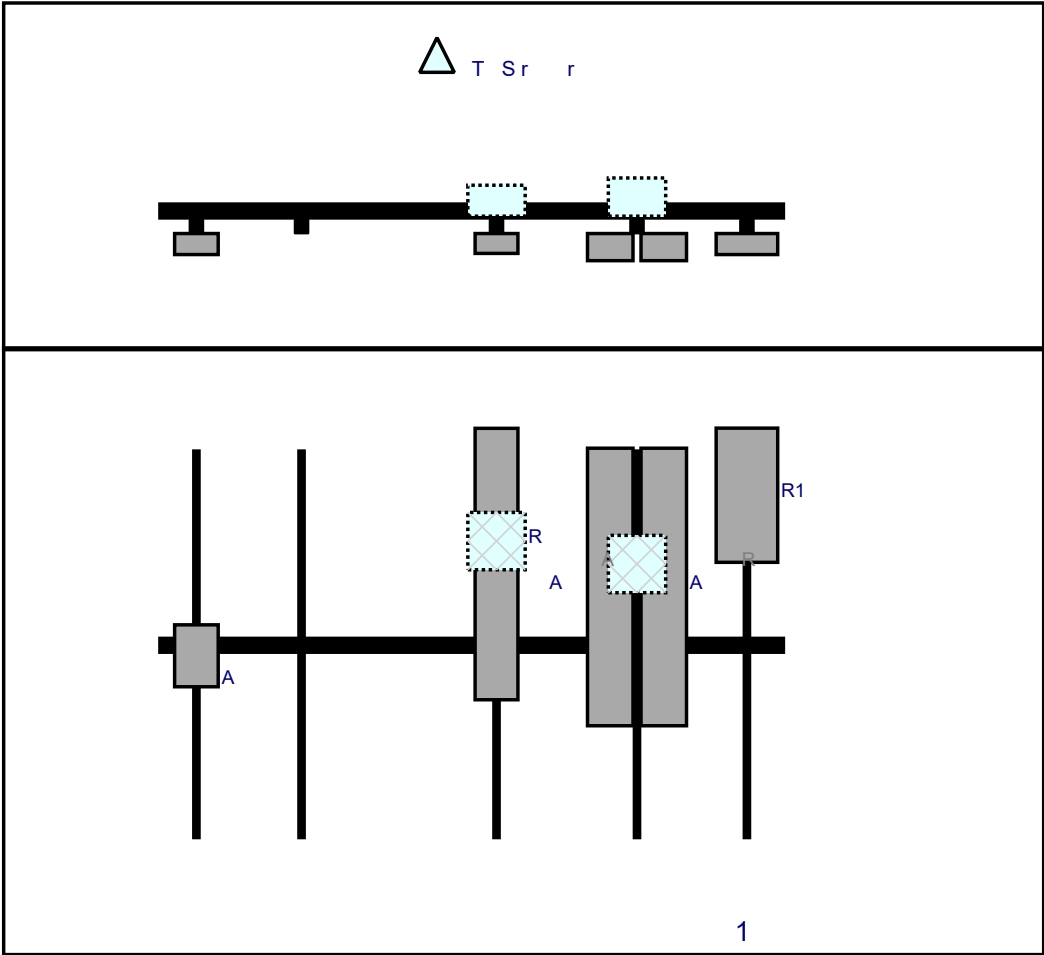
Comments:

S	r	A					11	1
Sr	r	T	M	1	11			
M	E	11	.				P	1



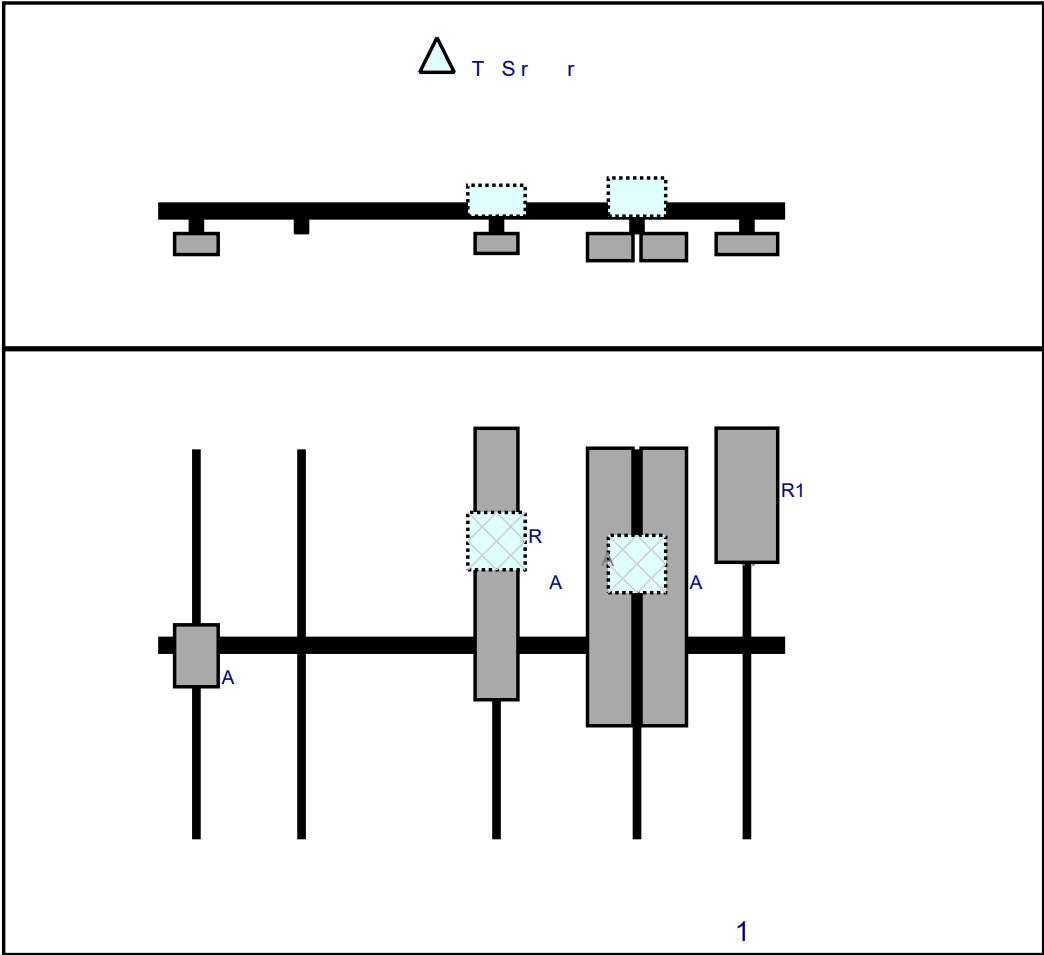
R	M	d		d	D	P	P	A	.A	A			
				r	L.		P	P	r	T.	O	S	d
R1	MT	A	.1	1	.1	1	1	r	1			Add	d
A	SB	1D	B	.	11.	1	.	r				R	d
A	SB	1D	B	.	11.	1	.	r				R	d
R	B	B	ARR	BR	1	1	1	.	B	d		Add	d
A	1			.	11.	.		r				R	d
R	B	B1	RR	BR	1	1	.	B	d			Add	d
A	D	MM	1	.	T	BRS	1	.	11.	1		r	Add

S	r	B							11	1
Sr	r	T	M			1	11			
M	E	11	.						P	



R	M	d			d	D	P	P	A	.A	A			
					r	L.		P	P	r	T.	O	S	d
R1	MT	A		.1	1	.1	1	1	r	1			Add	d
A	SB	1D	B	.	11.	1	.		r				R	d 11 1
A	SB	1D	B	.	11.	1	.		r				R	d 11 1
R	B	B	ARR	BR	1	1	1	.	B	d			Add	d
A	B	A		1	11.	.			r				R	d 11 1
R	B	B1	RR	BR	1	1	.		B	d			Add	d
A	D	MM	1	.	11.	1			r				Add	d

S	r	C							11	1
Sr	r	T	M		1	11				
M	E	11	.						P	



R	M	d				d	D	P	P	A	.A	A							
						r	L.		P	P	r	T.	O	S					
A	SB	1D	B	.	11.	1	.			r				R	d	11	1		
A	SB	1D	B	.	11.	1	.			r				R	d	11	1		
R	B	B	A	RR	BR	1	1	1	.	B	d			Add	d				
A	B	A				1	11.	.		r				R	d	11	1		
R	B	B1	RR	BR		1	1	.		B	d			Add	d				
R1	MT		A			.1	1	.1	1	1		r	1	Add	d				
A		D	MM	1	.	T	BRS			1	.	11.	1	r		Add	d		

Maser Consulting Connecticut

Site Information

Site ID: 467808-VZW / SOUTHLINGTON NORTH CT
Site Name: SOUTHLINGTON NORTH CT
Carrier Name: Verizon Wireless
Address: 335 South Washington Street
Plainville, Connecticut 06112
Hartford County
Latitude: 41.652111°
Longitude: -72.879694°

Structure Information

Tower Type: 121-Ft Monopole
Mount Type: 13.67-Ft Platform Mount

To Whom It May Concern,

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

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

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

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

Sincerely,



Derek Hartzell, P.E.
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: **SOUTHINGTON NORTH 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	699	2796	112	0.0080	0.5007	1.60%
VZW CDMA	869	2	400	800	112	0.0023	0.5793	0.40%
VZW Cellular	869	4	826	3304	112	0.0095	0.5793	1.64%
VZW PCS	1980	4	1593	6372	112	0.0183	1.0000	1.83%
VZW AWS	2125	4	1563	6252	112	0.0179	1.0000	1.79%
VZW CBAND	3730	4	6531	26124	112	0.0749	1.0000	7.49%
VZW CBRS	3625	4	12	48	112	0.0001	1.0000	0.01%
Total Percentage of Maximum Permissible Exposure								14.75%

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

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

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.