NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

August 12, 2022

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

RE: Exempt Modification Application
123 Costello Road, Newington, CT 06111
Latitude: 41.655197
Longitude: -72.721444
Site #: 881364_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 36 Prospect Street, Newington, CT 06111. Verizon Wireless currently maintains twelve (12) antennas at the 115-foot level of the existing 145-foot tower. The property is owned by Costello Industries Inc. and the tower is owned by Crown Castle. Verizon now intends to replace three (3) antennas and install three (3) new antennas. The new antennas would be installed at the 115-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable.

Verizon Planned Modifications:

Remove: None

Remove and Replace:
(3) ANTEL Antennas (REMOVE) – (3) SAMSUNG MT6407-77A Antennas (REPLACE)

Install New:
(3) Samsung XXDWMM-12.5-65-8TCBRS Antennas
(1) Hybrid Line 1-1/4"

Existing to Remain:
(6) ANDREW SBNHH-ID65B Antennas
(3) ANTEL BXA-80063 Antennas
(3) SAMSUNG - RFV01U-D1A RRH
(3) SAMSUNG - RFV01U-D2A RRH
(1) RFS OVP
(6) Coax – 1-5/8"
(2) Hybrid Line 1-5/8"
(1) LUCENT GPS Antenna
(1) Coax – ½"

NORTHEAST SITE SOLUTIONS

Turnkey Wireless Development

The facility was originally approved by the Newington Town Plan & Zoning Commission on April 11, 2001, please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Mayor Beth DelBuono and Renata Bertotti, Town Planner for the Town of Newington. A copy is also being sent to the tower owner and property owner.

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

1. The proposed modifications will not result in an increase in the height of the existing structure.

2. The proposed modifications will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: Mayor Beth DelBuono
Town of Newington
200 Garfield Street
Newington, CT 06111

Renata Bertotti, Town Planner
Town of Newington
200 Garfield Street
Newington, CT 06111

Costello Industries Inc. - Property Owner
PO Box 370125
West Hartford, CT 06137

Crown Castle – Tower Owner

Exhibit A

Original Facility Approval

29196

VOL. 1408 PAGE 97

TOWN OF NEWINGTON

Town Hall • 131 Cedar Street, Newington, Connecticut 06111
Central Telephone (860) 665-8500
Department Telephone (860)
Department Fax No. (860)665-8575
665-8577

RECEIVED & RECORDED IN NEWINGTON LAND RECORDS

Certified Mail No. 7106 4575 1292 0696 1614
OFFICE OF THE TOWN PLANNER

APR 20 10 55 AM '01
VOL. 1408 97
BY Joan A. Finnegan
TOWN CLERK

CERTIFICATE OF ACTION

TO: Anthony B. Gioffre III
Cuddy, Feder & Worby LLC
90 Maple Avenue
White Plains, New York 10601

DATE: April 16, 2001

SUBJECT: PETITION 10-01 123 Costello Road, AT & T Wireless Services PCS LLC 12 Omega Drive, 2nd floor Stamford, CT 06902 applicant, represented by Anthony B. Gioffre III, Cuddy, Feder & Worby LLC 90 Maple Avenue, White Plains, New York 10601, Costello Industries, Inc. property owner, requests Special Exception Section 3.2.7 for co location of antennae on existing monopole. I Zone.

At a meeting held April 11, 2001, the Newington Town Plan and Zoning Commission voted to approve the above referenced PETITION subject to the following conditions:

1. Approval is granted for the placement of AT&T Wireless PCS antenna as a co-locator on the existing monopole and on the existing platform at approximately 145' elevation as shown on plans prepared by URS Corporation AES entitled "Existing Monopole Co-Locate Compound Plan and Tower Elevation" sheet Z01 site plan scale 1"=30' and sheet Z02 compound plan and tower elevation, scale 1"=10' dated 12/14/00.

2. All ground equipment shall be located within the existing 8' chain link fence.

3. The approval of this special exception shall be void and of no effect unless construction of the project commences within one year from the date of the Commission's approval. The term "construction" pertains to the installation of the antenna and support ground facilities by the applicant, AT&T Wireless Services PCS, LLC.

4. Prior to the installation of the AT&T Wireless antenna building permits shall be obtained.

5. Prior to the issuance of building permits a revised site plan mylar shall be submitted to the Town Planner for the Chairman's signature.

Certified by:

Edmund J. Meehan (EJC)

Edmund J. Meehan
Town Planner

This Special Exception will not become effective until this Certificate of Action is filed by the applicant on the Land Records of the Town of Newington.

CA411-3

-43552

VOL. 1478 PAGE 241

TOWN OF NEWINGTON

Town Hall • 131 Cedar Street, Newington, Connecticut 06111
Central Telephone (860) 665-8500
Department Telephone (860) 665-8575
Department Fax No (860) 665-8577

Certified Mail No. 7106 4575 1292 0696 5209
OFFICE OF THE TOWN PLANNER

CERTIFICATE OF ACTION

TO: Kenneth C. Baldwin
Robinson & Cole LLP
280 Trumbull Street
Hartford CT 06103-3597

DATE: December 3, 2001

SUBJECT: PETITION 65-01 123 Costello Road, Costello Industries owner, Cellco Partnership d/b/a Verizon Wireless applicant, represented by Kenneth C. Baldwin, Robinson & Cole LLP, 280 Trumbull Street Hartford, CT 06103-3597 requests Special Exception Section 3.2.7 PCS antenna co location and ground base equipment, PD Zone District.

At a meeting held November 28, 2001, the Newington Town Plan and Zoning Commission voted to approve the above referenced PETITION subject to the following conditions:

1. Approval is granted for the placement of Verizon Wireless PCS platform and antenna as a co-locator on the existing monopole at the elevation of 125' as shown on plans prepared by URS Corporation AES, 795 Brook Street Rocky Hill, CT, dated 10-11-01, Sheets T-1, Z-1 and Z-2, entitled "123 Costello Road", Newington, Connecticut."

2. All ground equipment shall be located within an 8' fence enclosure, no equipment shall be placed within 10' side setback area.

3. The approval of this special exception shall be void and of no effect unless construction of the project commences within one year from the date of the Commission's approval. The term "construction" pertains to the installation of the antenna and support ground facilities by the Verizon Wireless.

4. Prior to the installation of the Verizon Wireless antenna building permits shall be obtained.

-1-(Continued on Page 2)

Certified by:

Edmund J. Meehan
Town Planner

This Special Exception will not become effective until this Certificate of Action is filed by the applicant on the Land Records of the Town of Newington.

This Site Plan Modification will not become effective until 1) a transparency of the Certificate of Action is affixed to the original site plan mylar, 2) the modification is incorporated into the site plan and noted as a revision and 3) a mylar copy of the modified signed site plan original mylar is filed in the Town Plan and Zoning Office.

An Autocad DXF File shall be provided to the Town Planner for incorporation into the Town's GIS database at the time of submission of the plan mylar.

cs1128-2/3

RECEIVED & RECORDED IN
NEWINGTON LAND RECORDS
Dec. 10, 2001 at 11:00 A.M
VOLUME 1478 PAGE 241
BY Teri A. Henderson
TOWN CLERK

Exhibit B

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2020.

Information on the Property Records for the Municipality of Newington was last updated on 8/12/2022.

Parcel Information

Location:	123 COSTELLO RD	Property Use:	Industrial	Primary Use:	Warehouse
Unique ID:	C0685500	Map Block Lot:	32/018/00A	Acres:	2.8400
490 Acres:	0.00	Zone:	PD	Volume / Page:	1304/ 147
Developers Map / Lot:	S/E 2020 & 2815	Census:			

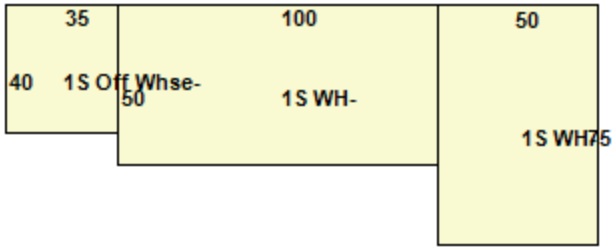
Value Information

	Appraised Value	Assessed Value
Land	118,400	82,880
Buildings	1,013,080	709,160
Detached Outbuildings	25,000	17,500
Total	1,156,480	809,540

Owner's Information

Owner's Data
COSTELLO INDUSTRIES INC PO BOX 370125 WEST HARTFORD, CT 06137-0125

Building 1

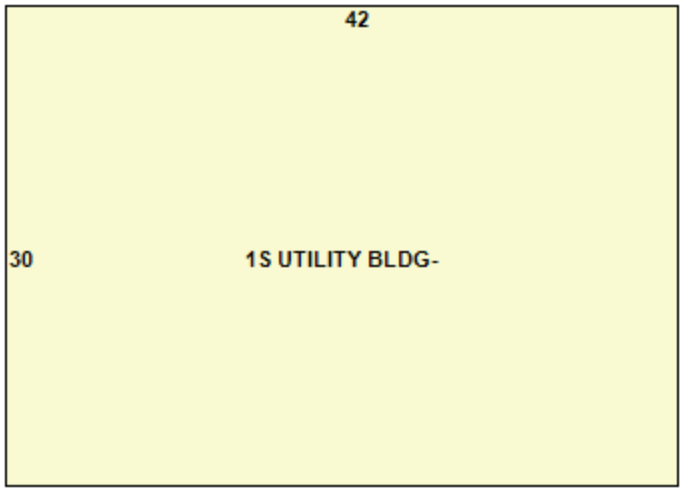


Category:	Industrial	Use:	Warehouse	GLA:	10,150
Stories:	1.00	Construction:	Masonry	Year Built:	1975
Heating:	Forced Hot Air	Fuel:	Natural Gas	Cooling Percent:	25
Siding:	Concrete Block/Metal	Roof Material:	Other	Beds/Units:	0

Special Features

Attached Components

Building 2



Category:	Industrial	Use:	Utility Building	GLA:	1,260
Stories:	1.00	Construction:	Steel	Year Built:	1981
Heating:	Unit Heater/AC	Fuel:	Natural Gas	Cooling Percent:	0
Siding:	Metal	Roof Material:	Other	Beds/Units:	0

Special Features

Overhead Doors	1

Attached Components

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Paving	1975	1.00	25,000.00	25,000

Owner History - Sales

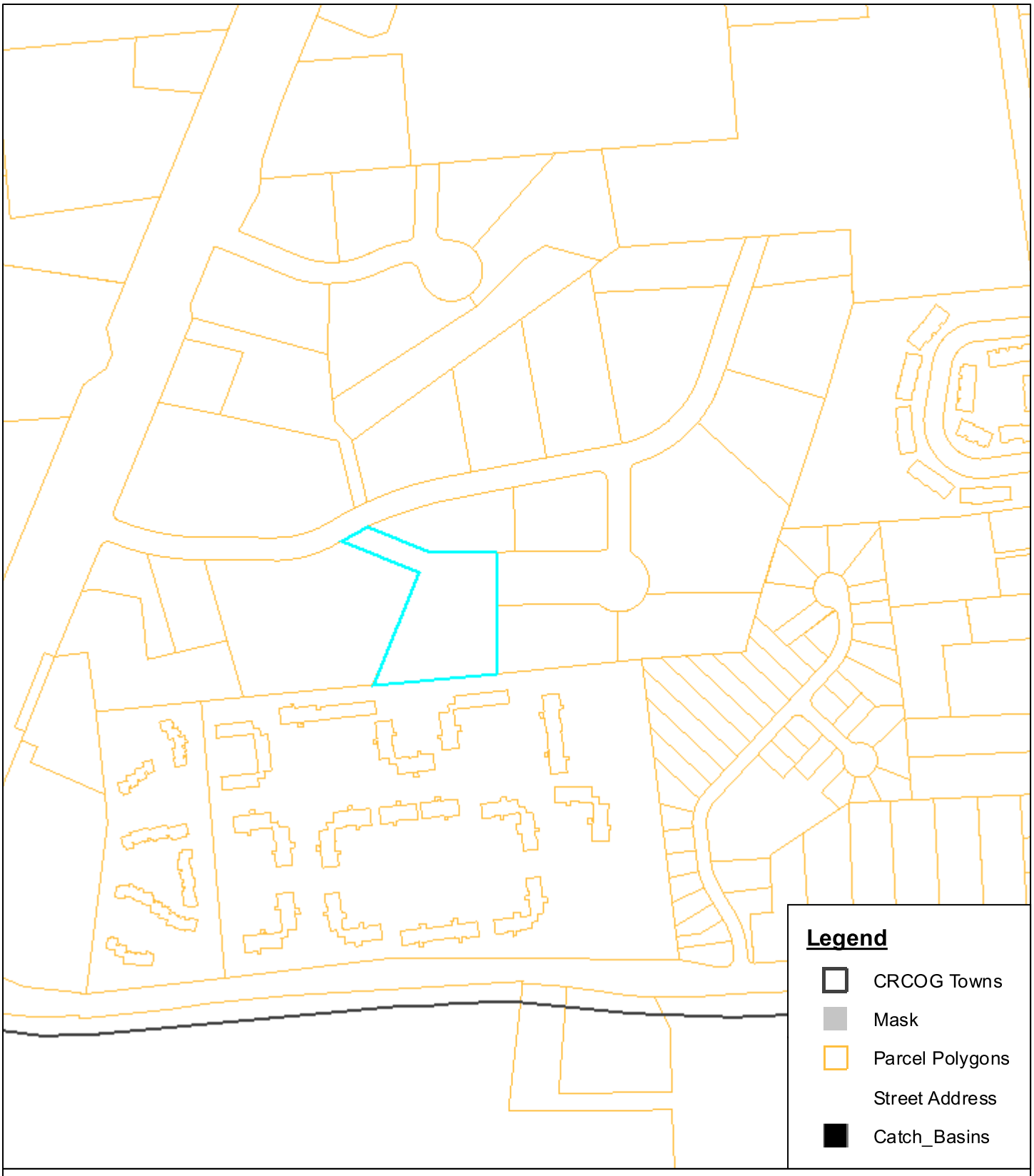
Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
COSTELLO INDUSTRIES INC	1304	0147	09/03/1999	Quit Claim	$0
TAGATAC SANDRA	1304	0144	09/03/1999	Quit Claim	$0
COSTELLO INDUSTRIES INC	0573	0098	03/31/1986		$0
COSTELLO INDUSTRIES INC	0399	0332	08/18/1980		$0
COSTELLO INDUSTRIES INC	0385	0280	12/18/1979		$0
COSTELLO INDUSTRIES INC	0385	0278	12/18/1979		$0
COSTELLO INDUSTRIES INC	0314	0129	06/06/1977		$0
COSTELLO CONSTRUCTION CORP THE	0284	0147	02/19/1976		$0
COSTELLO CONSTRUCTION CORP THE	0271	0180	06/17/1975		$0

Building Permits

Permit Number	Permit Type	Date Opened	Reason
B-19-115	Comm Renovations	03/21/2019	AT&T proposes to modify their existing antenna configuration on the telecommunications tower by repl
B-19-15	Comm Renovations	01/10/2019	Verizon to replace six remote radio heads (non-antenna) to their existing antenna equipment on the t
B-18-695	Comm Renovations	11/27/2018	Adding (3) Antennas and its ancillary equipment/cables, replacing Remote Radio Heads (RRH) with New.

Permit Number	Permit Type	Date Opened	Reason
E-18-414	Electrical	11/16/2018	INSTALLATION OF DIESEL DC GENERATOR FOR T-MOBILE (REPLACEMENT)
B-18-676	Foundation	11/15/2018	T-Mobile to swap out (3) Antennas and (3) RRUs and swap out (1) coax for (1) hybrid fiber line
B-16-927	Foundation	12/12/2016	Verizon Wireless is looking to replace antenna panels and Remote Radio Heads to existing Cell Tower.
B-16-909	Other	12/05/2016	AT&T to replace three (3) antennas and replace six (6) Triplexors to their existing antennas equipme
E-16-425	Electrical	09/22/2016	INSTALL NEW OUTLETS & LIGHTING IN NEW ADDITION. INSTALL NEW 150A 3PH SUBPANEL IN ADDITION TO FEED N
B-16-527	Comm Renovations	05/30/2016	REPLACE (3) NEW AIR 32 ANTENNA
B-16-531	Comm Renovations	05/30/2016	BUILD NEW ADDITION ABUTTING EXISTING BUILDING
TB-16-150	Other	03/15/2016	AT&T (3) ANTENNAS AND (3) RRU'S
B-16-23	Addition	02/19/2016	T-MOBILE (3) NEW ANTENNAS
TB-14-114	Remodel	03/07/2014	ANTENNAS MODIFACATION
TB-13-447	Other	07/26/2013	6 ANTENNAS CELL TOWER
TB-13-173	Remodel	04/19/2013	REPLACE (3) ANTENNAS MONOPOLE
B-13-51	Remodel	03/07/2013	CONCRETE PAD TO 9'X10'
B-12-318	Addition	07/05/2012	
	Remodel	09/16/2010	REMOVE & REPLACE 12 EXISTING VERIZON
76610	Other	12/02/2008	100 AMP TELECOMMUNICATIONS EQUIP
61582	Building	03/27/2001	FOUND FOR PRE-F
60016	Building	05/16/2000	ANTENNA'S EXIST
58584	Building	08/23/1999	REPLACE TOWER

123 COSTELLO ROAD



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CRCOG CAPITOL REGION COUNCIL OF GOVERNMENTS
Working together for a better region.

Scale
1:5,762
Created: 8/12/2022

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 324494
VERIZON SITE NAME: NEWINGTON2 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 145'-0"

BUSINESS UNIT #: 881364
SITE ADDRESS: 123 COSTELLO ROAD
NEWINGTON, CT 06111
COUNTY: HARTFORD
JURISDICTION: TOWN OF NEWINGTON

VERIZON 5G LSUB6 - CARRIER ADD\FUZE ID 16231999

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	NEWINGTON
SITE ADDRESS:	123 COSTELLO ROAD NEWINGTON, CT 06111
COUNTY:	HARTFORD
MAP/PARCEL #:	32-018-00A
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 39' 18.7092"
LONGITUDE:	72° 43' 18.8544"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	140 FT ±
CURRENT ZONING:	PD
ZONING JURISDICTION:	CONNECTICUT SITTING COUNCIL
JURISDICTION:	TOWN OF NEWINGTON
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	COSTELLO INDUSTRIES INC. P.O. BOX 370125 WEST HARTFORD, CT 06317
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NORTHEAST UTILITIES (800) 286-2000
TELCO PROVIDER:	VERIZON (800) 837-4966

PROJECT TEAM

A&E FIRM:	TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C. 1279 ROUTE 300 NEWBURGH, NY 12550
CROWN CASTLE USA INC. DISTRICT CONTACTS:	---- - PROJECT MANAGER ---- ---- - CONSTRUCTION MANAGER ----

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	FIBER NAMING & EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

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

APPROVALS

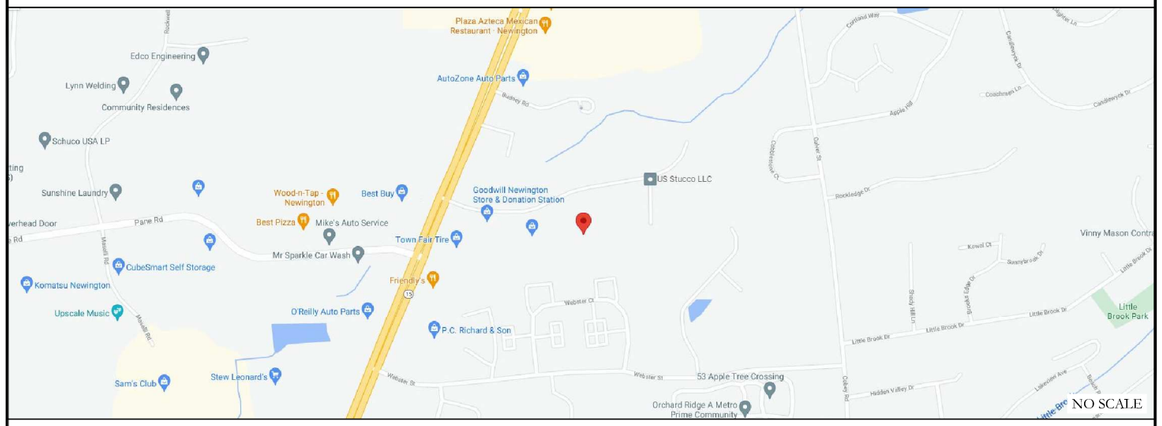
VERIZON SIGNATURE BLOCK

APPROVAL	SIGNATURE	DATE
SITE ACQUISITION		
CONSTRUCTION		
RADIO		
MICROWAVE		
TELCO		
EQUIPMENT		
PROJECT ADMINISTRATOR		
WO ADMINISTRATOR		

CROWN CASTLE USA INC. SIGNATURE BLOCK

APPROVAL	SIGNATURE	DATE
SITE ACQUISITION		
PLANNER		
CONSTRUCTION		
PROJECT MANAGER		
UTILITY MANAGER		
LANDLORD		

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD, BEDMINSTER, NJ 07921)

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CONNECTICUT STATE BUILDING CODE
MECHANICAL	2018 CONNECTICUT STATE BUILDING CODE
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT (PASSING)
DATED:	03/10/2021
RFDS REVISION:	1
DATED:	03/18/2021
ORDER ID:	552672
REVISION:	0

CALL CONNECTICUT ONE CALL (800) 922-4455 CBYD.COM CALL 2 WORKING DAYS BEFORE YOU DIG! 811

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (3) ANTENNAS
- INSTALL (6) ANTENNA/RRH

GROUND SCOPE OF WORK:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering & Surveying Consultants P.C.
70 Pleasant Hill Road — Phone: (845) 534-5959
P.O. Box 37 — (800) 829-8531
Mountainville, NY 10953 — www.tectonicengineering.com
Project Content Info
1279 Route 300
Newburgh, NY 12550 — Phone: (845) 567-0856

VERIZON SITE NUMBER:
324494

BU #: **881364**
NEWINGTON

123 COSTELLO ROAD
NEWINGTON, CT 06111

EXISTING 145'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/30/21	TL	PRELIMINARY	SP

STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER: T-1
REVISION: 0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
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 PLANS 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."
6. 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.

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON–METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

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. VERYIFY 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/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD 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
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
DC VOLTAGE	POS (+)	RED**
	NEG (–)	BLACK**

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

APWA UNIFORM COLOR CODE:

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

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
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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VERIZON SITE NUMBER:
324494

BU #: **881364**
NEWINGTON

123 COSTELLO ROAD
NEWINGTON, CT 06111

EXISTING 145'-0" MONOPOLE

ISSUED FOR:

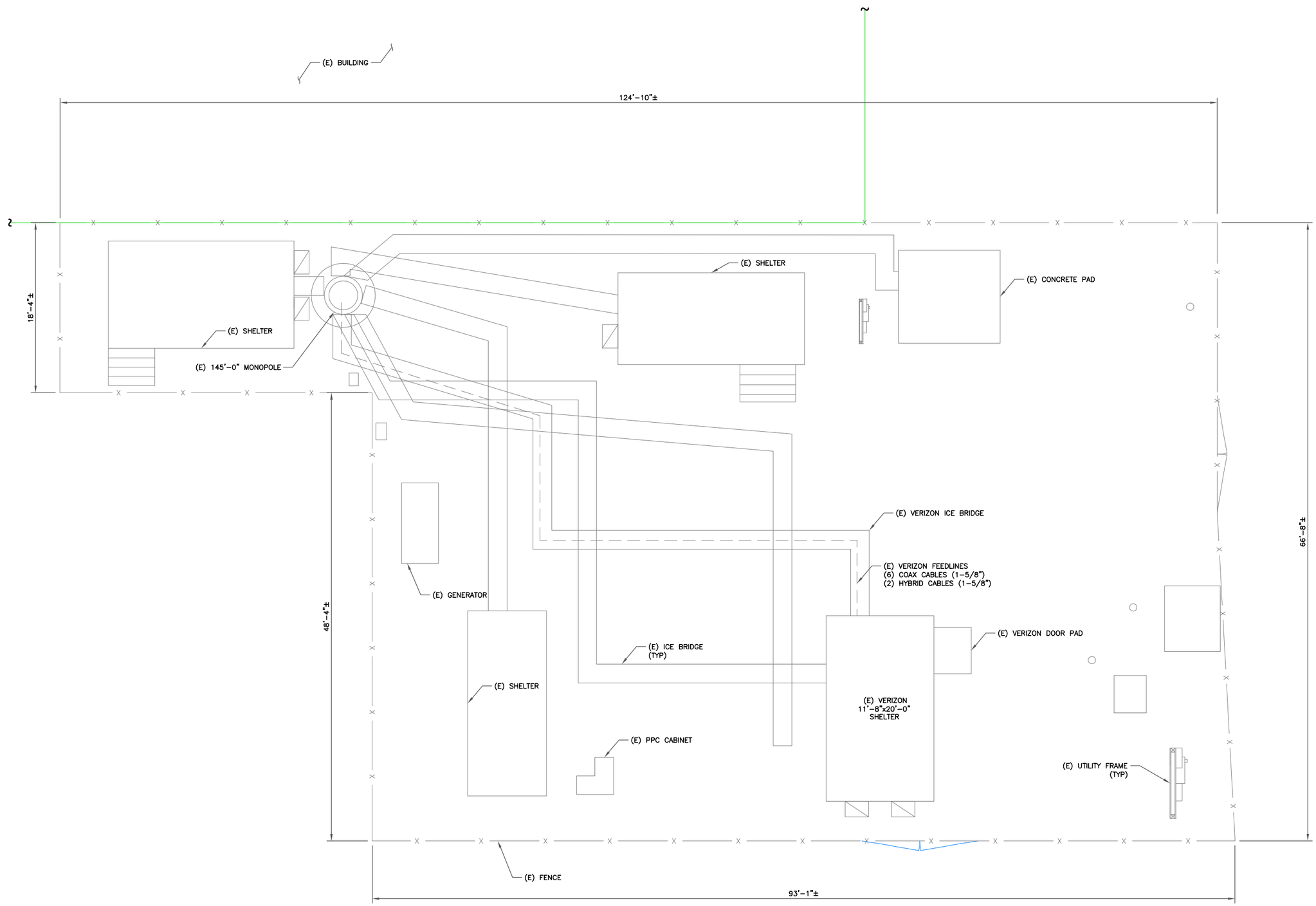
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/30/21	TL	PRELIMINARY	SP

STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

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

SHEET NUMBER:
T-2

REVISION:
0



1 SITE PLAN
SCALE: 4' 2' 0 4' 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (11x17)

N

verizon
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EXISTING 145'-0" MONOPOLE

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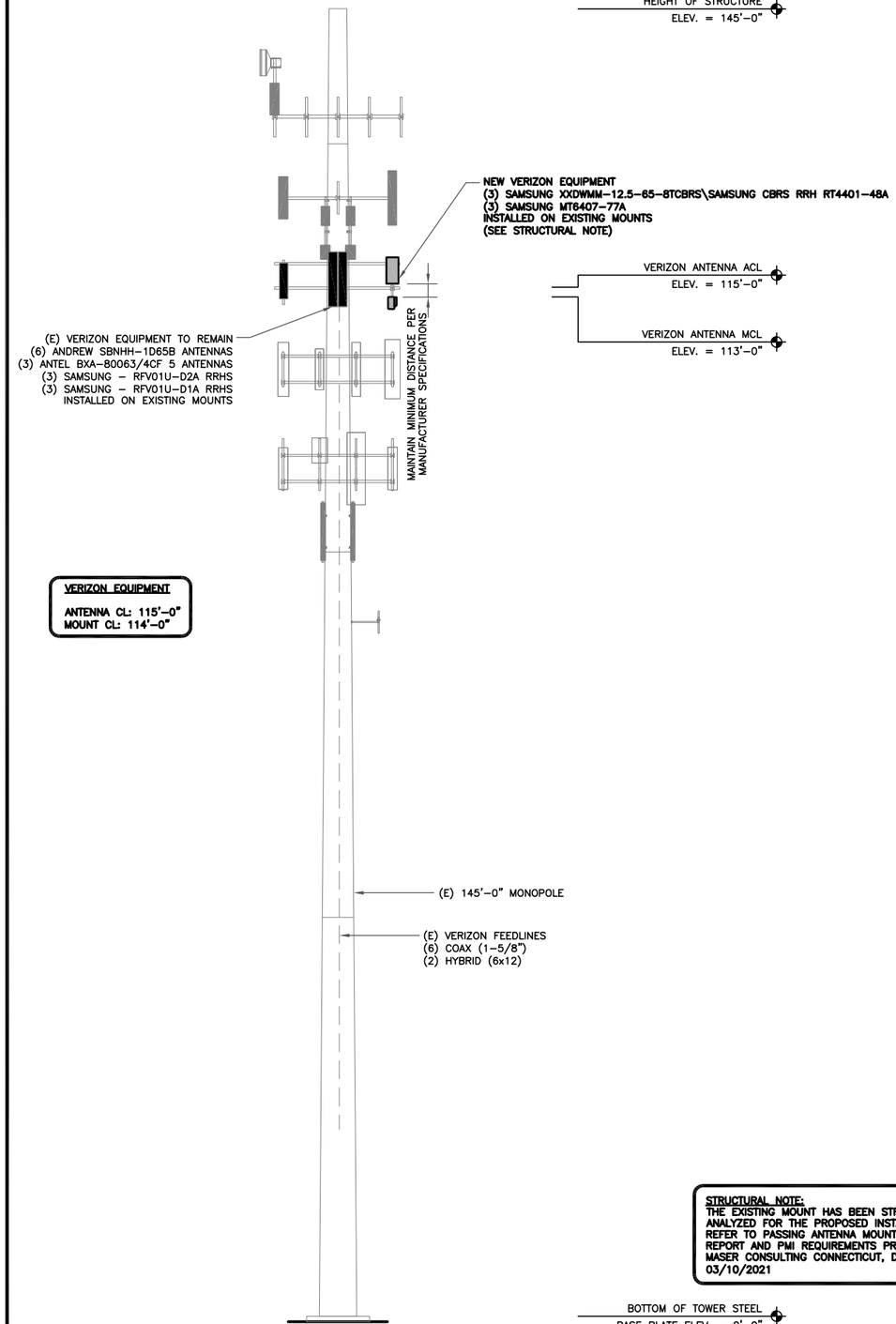
A	04/30/21	TL	PRELIMINARY	SP

STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

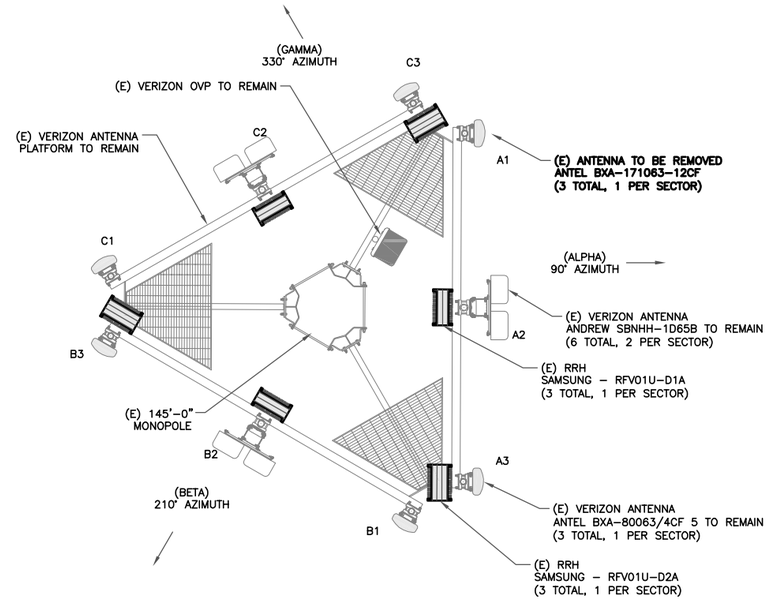
SHEET NUMBER: C-1

REVISION: 0

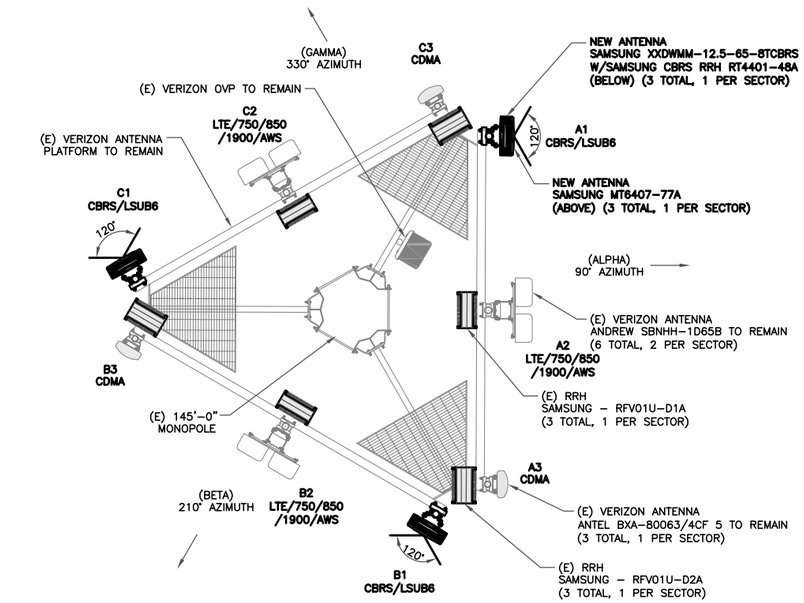


STRUCTURAL NOTE:
THE EXISTING MOUNT HAS BEEN STRUCTURALLY ANALYZED FOR THE PROPOSED INSTALLATION. REFER TO PASSING ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS PREPARED BY MASER CONSULTING CONNECTICUT, DATED 03/10/2021

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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Project Contact Info
1279 Route 300
Newburgh, NY 12550 — Phone: (845) 567-0856

VERIZON SITE NUMBER:
324494

BU #: **881364**
NEWINGTON

123 COSTELLO ROAD
NEWINGTON, CT 06111

EXISTING 145'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/30/21	TL	PRELIMINARY	SP

STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

SHEET NUMBER: C-2
REVISION: 0

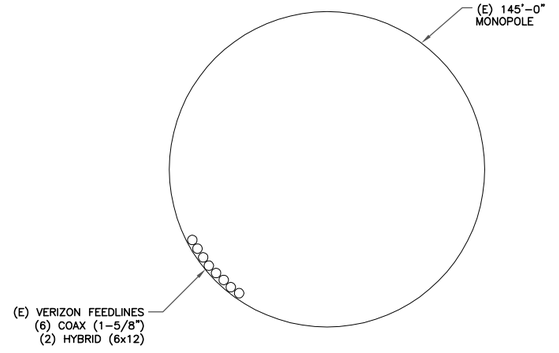
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	**NEW** **NEW**	**SAMSUNG** **SAMSUNG**	**MT6407-77A** **XXDWM-12.5-65-8T-C**	**115'-0"**	**90°**	**0°**	**8°/3°**		
A2	EXISTING EXISTING	ANDREW ANDREW	SBNHH-1D65B SBNHH-1D65B	115'-0"	90°	0° 0°	7°/7° 2°/1°	RAYCAP SAMSUNG SAMSUNG	(1) RRFDC-3315-PF-48 (1) RFV01U-D1A (1) RFV01U-D2A
A3	EXISTING	ANTEL	BXA-80063/4CF 5	115'-0"	90°	5°	5°		
B1	**NEW** **NEW**	**SAMSUNG** **SAMSUNG**	**MT6407-77A** **XXDWM-12.5-65-8T-C**	**115'-0"**	**210°**	**0°**	**8°/3°**		
B2	EXISTING EXISTING	ANDREW ANDREW	SBNHH-1D65B SBNHH-1D65B	115'-0"	210°	0° 0°	9°/9° 3°/3°	SAMSUNG SAMSUNG	(1) RFV01U-D1A (1) RFV01U-D2A
B3	EXISTING	ANTEL	BXA-80063/4CF 5	**115'-0"**	**210°**	3°	5°		
C1	**NEW** **NEW**	**SAMSUNG** **SAMSUNG**	**MT6407-77A** **XXDWM-12.5-65-8T-C**	**115'-0"**	**210°**	**0°**	**8°/3°**		
C2	EXISTING EXISTING	ANDREW ANDREW	SBNHH-1D65B SBNHH-1D65B	115'-0"	210°	0° 0°	8°/8° 2°/3°	SAMSUNG SAMSUNG	(1) RFV01U-D1A (1) RFV01U-D2A
C3	EXISTING	ANTEL	BXA-80063/4CF 5	**115'-0"**	**210°**	3°	5°		

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	115'-0"±	6
EXISTING	HYBRID	6x12"	115'-0"±	2
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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VERIZON SITE NUMBER:
324494

BU #: **881364**
NEWINGTON

123 COSTELLO ROAD
NEWINGTON, CT 06111

EXISTING 145'-0" MONOPOLE

ISSUED FOR:

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STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

SHEET NUMBER: C-3

REVISION: 0

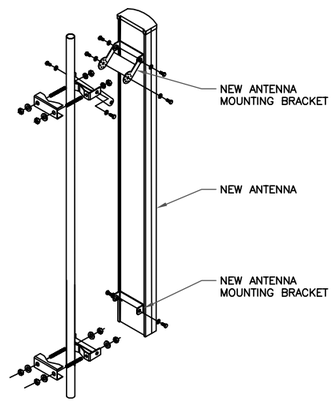
1 NOT USED
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

INSTALLER NOTES:

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



4 ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

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ANTONIO A. GUALTIERI
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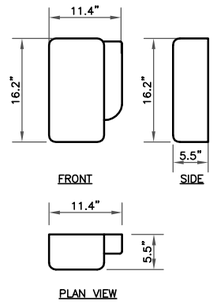
LICENSED
PROFESSIONAL ENGINEER

SHEET NUMBER: C-4

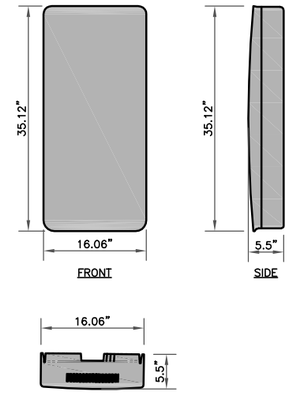
REVISION: 0

MANUFACTURER	SAMSUNG
MODEL	XXDWMM-12.5-65-8T
SIZE	11.4" x 16.2" x 5.5"
WEIGHT	23.14 LBS



1 SAMSUNG – CBRS RRH/ANTENNA
SCALE: NOT TO SCALE

MANUFACTURER	SAMSUNG
MODEL	MT6407-77A
SIZE	16.06" x 35.12" x 5.5"
WEIGHT	87.1 LBS



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

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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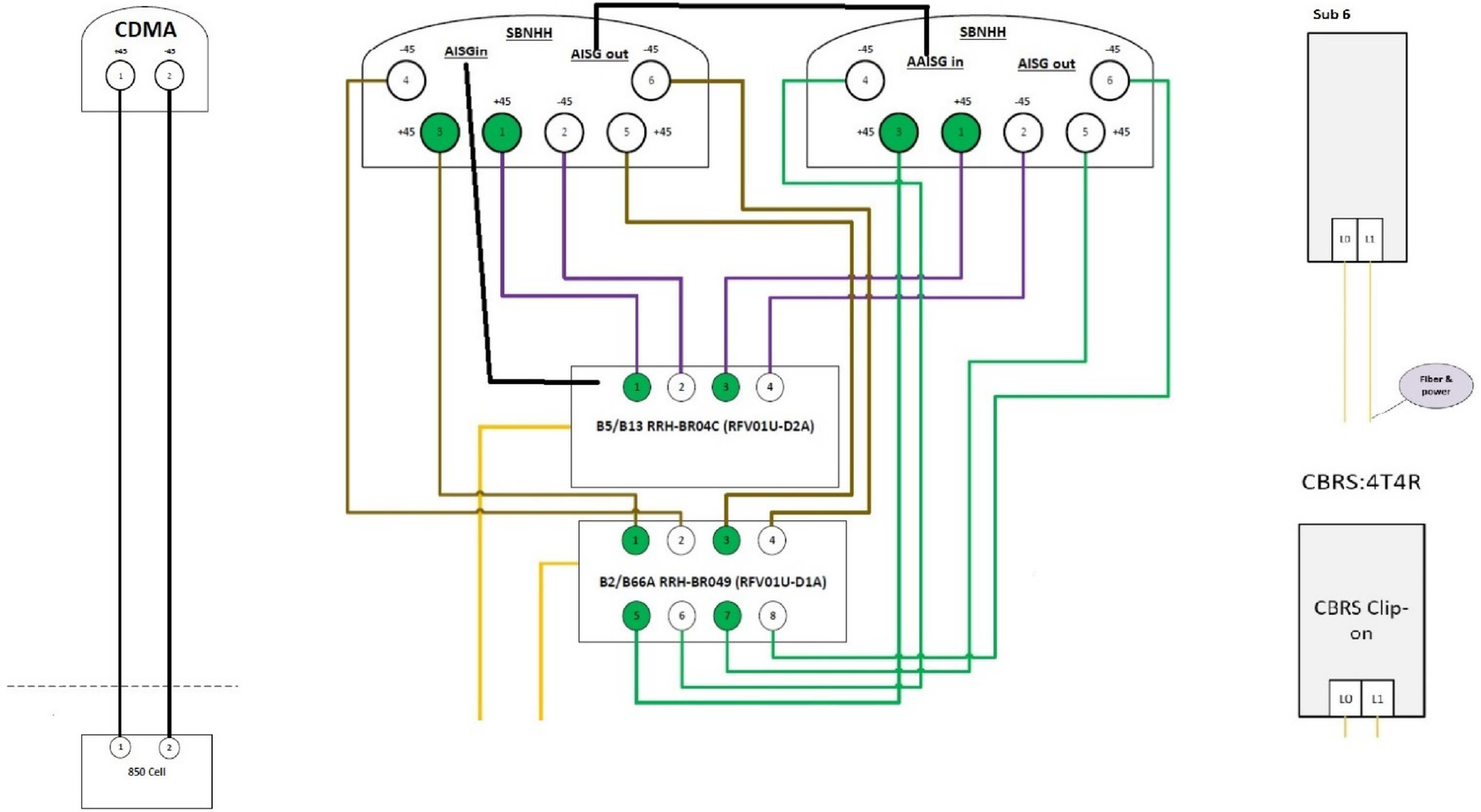
SHEET NUMBER: C-5

REVISION: 0



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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PEN.0025406
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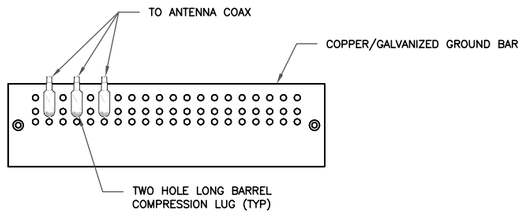
PROFESSIONAL ENGINEER

SHEET NUMBER: C-6

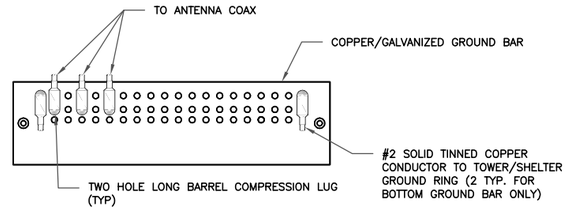
REVISION: 0



NOTES:

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

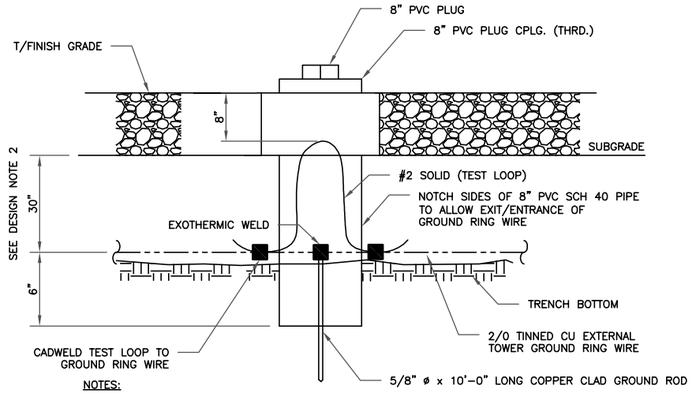
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

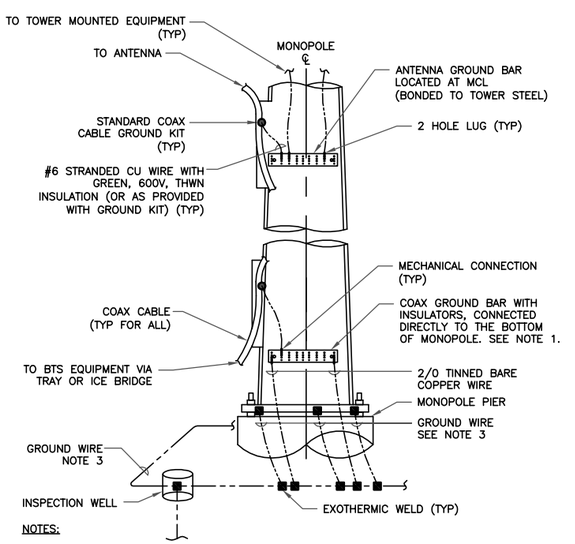
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

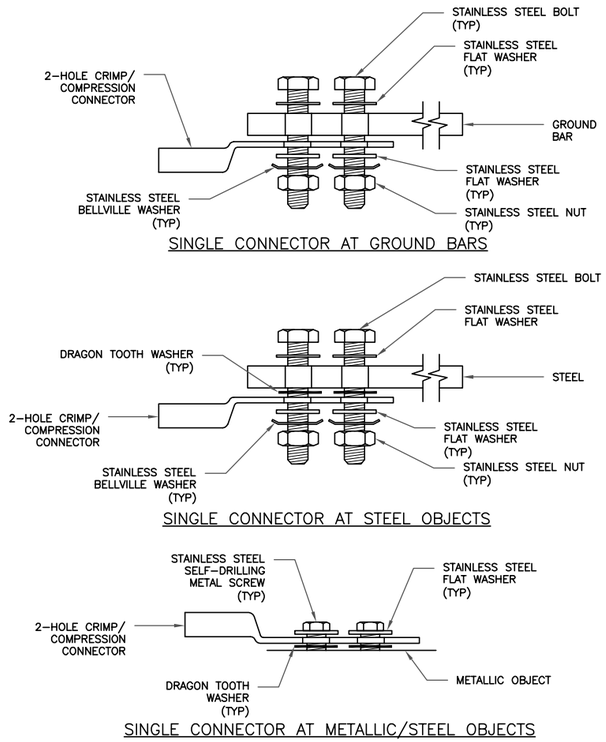
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



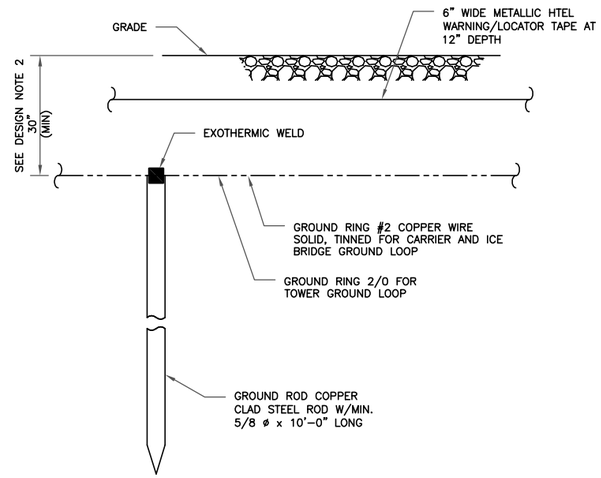
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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NEWINGTON

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EXISTING 145'-0" MONOPOLE

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ANTONIO A. GUALTIERI
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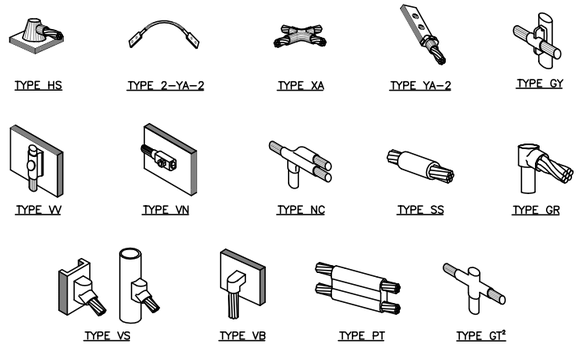
SHEET NUMBER: G-1
REVISION: 0

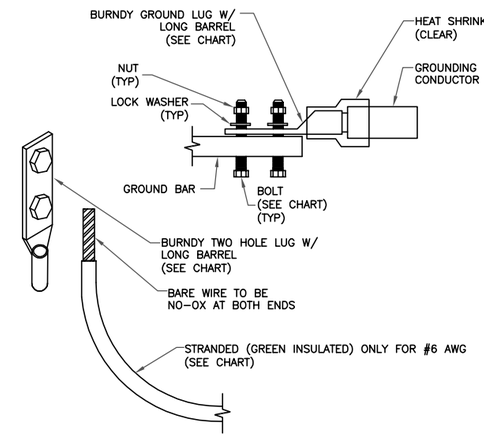


NOTE:

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

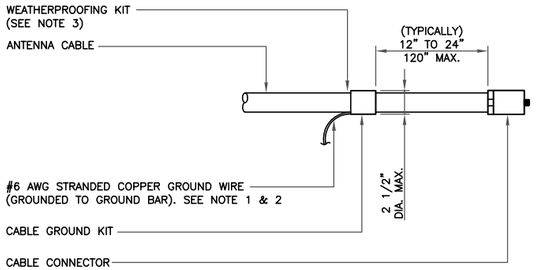
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

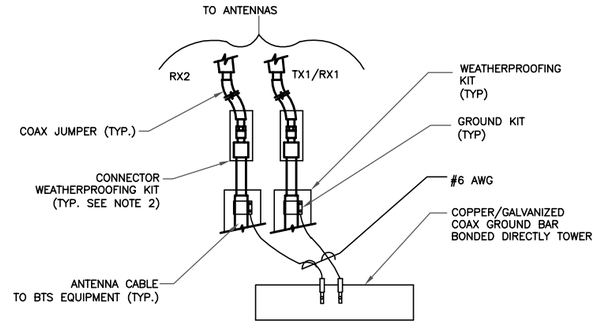
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

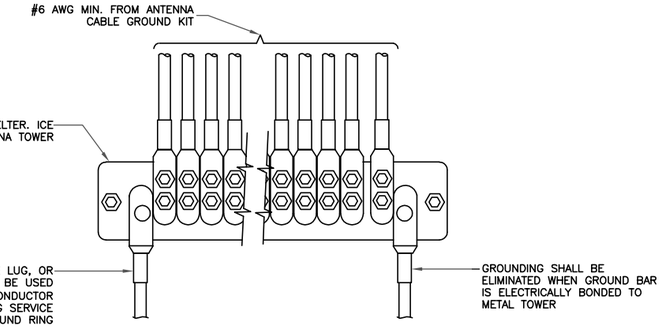
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



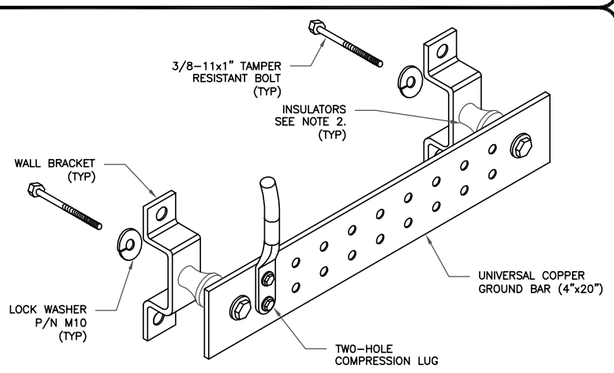
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



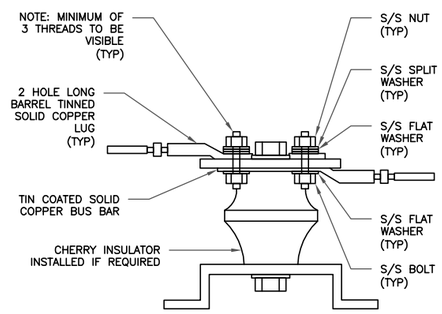
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



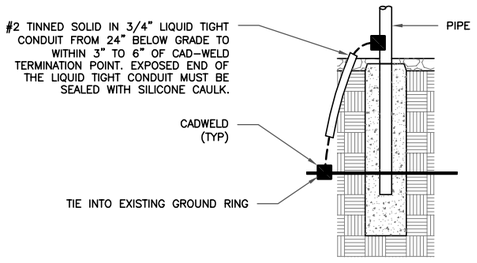
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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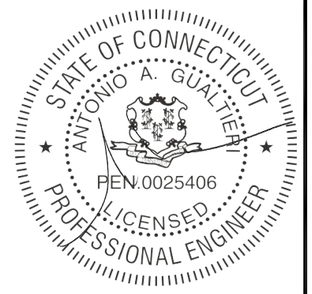

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **April 23, 2021**

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468297
	Site Name:	Newington 2 CT
Crown Castle Designation:	**BU Number:**	881364
	Site Name:	Newington
	JDE Job Number:	644671
	Work Order Number:	1953731
	Order Number:	552672 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	65292.535123
Site Data:	**123 Costelo Road, Newington, Hartford County, CT 06111**	
	Latitude *41° 39' 18.72"*, Longitude *-72° 43' 17.19"*	
	145 Foot - Monopole Tower	

Tower Engineering Professionals is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

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

LC7: Proposed Equipment Configuration **Sufficient Capacity - 80.2%**

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

Structural analysis prepared by: Dustin T. Smith, P.E. / RAL

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

04/23/2021

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1) INTRODUCTION

This tower is a 145-ft monopole tower designed by Summit. The tower has been modified per reinforcement drawings prepared by Paul J. Ford and Company in November of 2015.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	2.0 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)
114.0	117.0	3	Samsung Telecom.	MT6407-77A w/ Mount Pipe	1 8	1/2 1-5/8
	116.0	1	Lucent	KS24019-L112A		
	115.0	3	Antel	BXA-80063/4CFx5 w/ Mount Pipe		
		6	Andrew	SBNHH-1D65B w/ Mount Pipe		
		1	RFS Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Telecom.	RFV01U-D2A		
		3	Samsung Telecom.	RFV01U-D1A		
	114.0	1	Tower Mounts	Platform Mount [LP 1201-1_KCKR-HR-1]		
	113.0	3	Samsung Telecom.	CBRS w/ Mount Pipe		

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)
133.0	139.0	2	Andrew	VHLP2.5-11	6 2	5/16 1/2
		2	Dragonwave	HORIZON COMPACT		
	135.0	3	Argus Technologies	LLPX310R-V1 w/ Mount Pipe		
		1	Motorola	TIMING 2000		
		3	Samsung Telecom.	WIMAX DAP HEAD		
	133.0	1	Tower Mounts	Platform Mount [LP 1201-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
124.0	124.0	3	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe	4	1-1/4
		3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe		
		3	Alcatel Lucent	TD-RRH8x20-25		
		3	RFS Celwave	IBC1900HG-2A		
		3	RFS Celwave	IBC1900BB-1		
		1	Tower Mounts	Platform Mount [LP 1201-1]		
122.0	122.0	3	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz	-	-
		1	Tower Mounts	Pipe Mount [PM 601-3]		
	118.0	3	Alcatel Lucent	800MHz 2X50W RRH W/FILTER		
105.0	105.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	12 6 2	1-5/8 3/4 3/8
		3	Cci Antennas	OPA-65R-LCUU-H6 w/ Mount Pipe		
		3	Kathrein	80010965 w/ Mount Pipe		
		3	Quintel Technology	QS66512-2 w/ Mount Pipe		
		3	Ericsson	RRUS 4478 B14		
		3	Raycap	DC6-48-60-18-8F		
		6	Powerwave Technologies	LGP21401		
		6	Cci Antennas	TPX-070821		
		3	Ericsson	RRUS 32		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 8843 B2/B66A		
		1	Tower Mounts	Site Pro 1 F3P-HRK12		
		1	Tower Mounts	Site Pro 1 F3P-12[W]		
94.0	95.0	3	Ericsson	AIR -32 B2A/B66AA	13	1-5/8
		3	RFS Celwave	APXVAARR24_43-U-NA20		
		3	Ericsson	AIR 3246 B66		
		3	Ericsson	RADIO 4449 B12/B71		
	94.0	3	Ericsson	KRY 112 144/1		
		1	Tower Mounts	Platform Mount [LP 302-1]		
80.0	80.0	2	Tower Mounts	Side Arm Mount [SO 701-1]	-	-
77.0	77.0	1	Symmetricom	58532A	1	1/2
		1	Tower Mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1425352	CCISites
Tower Foundation Drawings	1425473	CCISites
Tower Manufacturer Drawings	1425417	CCISites
Previous Structural Analysis	2700302	CCISites
Tower Reinforcement Drawings	5976614	CCISites
Post-Modification Inspection	6120832	CCISites

3.1) Analysis Method

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

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

3.2) Assumptions

1) 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 flange bolt diameter and grade were assumed per the previous analysis by Crown Castle dated August 11, 2010 (CCI Doc ID# 2700302).

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)[1,2]

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
145 - 140	Pole	TP24.923x24x0.1875	Pole	0.2%	Pass
140 - 135	Pole	TP25.847x24.923x0.1875	Pole	1.5%	Pass
135 - 130	Pole	TP26.77x25.847x0.1875	Pole	4.8%	Pass
130 - 125	Pole	TP27.825x26.9x0.25	Pole	5.7%	Pass
125 - 120	Pole	TP28.75x27.825x0.25	Pole	9.6%	Pass
120 - 115	Pole	TP29.675x28.75x0.25	Pole	13.7%	Pass
115 - 110	Pole	TP30.599x29.675x0.25	Pole	20.0%	Pass
110 - 105	Pole	TP31.524x30.599x0.25	Pole	25.7%	Pass
105 - 100	Pole	TP32.449x31.524x0.25	Pole	34.0%	Pass
100 - 95	Pole	TP33.374x32.449x0.25	Pole	41.5%	Pass
95 - 90	Pole	TP34.299x33.374x0.25	Pole	50.1%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
90 - 89.25	Pole	TP35.27x34.299x0.25	Pole	51.4%	Pass
89.25 - 84.25	Pole	TP34.862x33.938x0.3125	Pole	45.3%	Pass
84.25 - 79.25	Pole	TP35.787x34.862x0.3125	Pole	50.7%	Pass
79.25 - 74.25	Pole	TP36.712x35.787x0.3125	Pole	55.9%	Pass
74.25 - 69.25	Pole	TP37.636x36.712x0.3125	Pole	60.7%	Pass
69.25 - 64.25	Pole	TP38.561x37.636x0.3125	Pole	65.1%	Pass
64.25 - 59.25	Pole	TP39.486x38.561x0.3125	Pole	69.3%	Pass
59.25 - 54.25	Pole	TP40.411x39.486x0.3125	Pole	73.3%	Pass
54.25 - 50.08	Pole	TP41.181x40.411x0.3125	Pole	76.4%	Pass
50.08 - 49.83	Pole + Reinf.	TP41.227x41.181x0.4375	Reinf. 2 Tension Rupture	75.9%	Pass
49.83 - 49.5	Pole + Reinf.	TP42.26x41.227x0.4375	Reinf. 2 Tension Rupture	76.2%	Pass
49.5 - 43.25	Pole + Reinf.	TP41.695x40.664x0.5	Reinf. 2 Tension Rupture	73.0%	Pass
43.25 - 38.25	Pole + Reinf.	TP42.52x41.695x0.5	Reinf. 2 Tension Rupture	76.1%	Pass
38.25 - 33.25	Pole + Reinf.	TP43.345x42.52x0.4938	Reinf. 2 Tension Rupture	79.0%	Pass
33.25 - 31.25	Pole + Reinf.	TP43.675x43.345x0.4875	Reinf. 2 Tension Rupture	80.2%	Pass
31.25 - 31	Pole + Reinf.	TP43.716x43.675x0.5875	Reinf. 1 Compression	62.5%	Pass
31 - 26	Pole + Reinf.	TP44.541x43.716x0.5875	Reinf. 1 Compression	64.7%	Pass
26 - 21	Pole + Reinf.	TP45.366x44.541x0.575	Reinf. 1 Compression	66.9%	Pass
21 - 16	Pole + Reinf.	TP46.191x45.366x0.575	Reinf. 1 Compression	68.9%	Pass
16 - 11	Pole + Reinf.	TP47.015x46.191x0.575	Reinf. 1 Compression	70.9%	Pass
11 - 6	Pole + Reinf.	TP47.84x47.015x0.5625	Reinf. 1 Compression	72.7%	Pass
6 - 1	Pole + Reinf.	TP48.665x47.84x0.5625	Reinf. 1 Compression	74.4%	Pass
1 - 0	Pole + Reinf.	TP48.83x48.665x0.5625	Reinf. 1 Compression	74.8%	Pass
				Summary	
			Pole	76.4%	Pass
			Reinforcement	80.2%	Pass
			Overall	**80.2%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Flange Connection	130.0	6.7	Pass
1,2	Anchor Rods	-	70.2	Pass
1,2	Base Plate	-	74.6	Pass
1,2	Base Foundation Soil Interaction	-	50.1	Pass
1,2	Base Foundation Structural	-	66.1	Pass

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

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

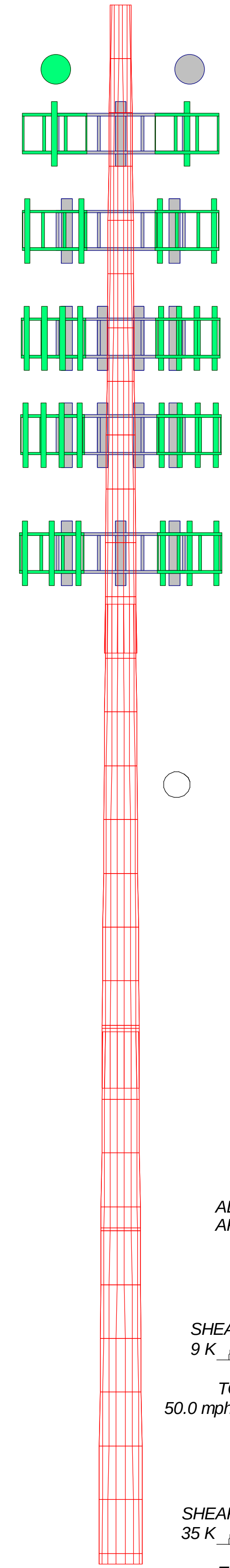
4.1) Recommendations

1) 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	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.0000	18	0.1875		24.0000	24.9233		0.2
2	5.0000	18	0.1875		24.9233	25.8467		0.3
3	5.0000	18	0.1875		25.8467	26.7700		0.3
4	5.0000	18	0.2500		26.9000	27.8249		0.4
5	5.0000	18	0.2500		27.8249	28.7497		0.4
6	5.0000	18	0.2500		28.7497	29.6746		0.4
7	5.0000	18	0.2500		29.6746	30.5994		0.4
8	5.0000	18	0.2500		30.5994	31.5243		0.4
9	5.0000	18	0.2500		31.5243	32.4492		0.4
10	5.0000	18	0.2500		32.4492	33.3740		0.4
11	5.0000	18	0.2500		33.3740	34.2989		0.5
12	[illegible]	18	[illegible]	4.5000	[illegible]	[illegible]		0.5
13	[illegible]	18	[illegible]		[illegible]	[illegible]		0.6
14	5.0000	18	0.3125		[illegible]	[illegible]		0.6
15	5.0000	18	0.3125		35.7870	36.7118		0.6
16	5.0000	18	0.3125		36.7118	37.6365	A607-65	0.6
17	5.0000	18	0.3125		37.6365	38.5612		0.6
18	5.0000	18	0.3125		38.5612	39.4859		0.7
19	5.0000	18	0.3125		39.4859	40.4106		0.7
20	[illegible]	18	[illegible]		[illegible]	[illegible]		0.6
21	[illegible]	18	[illegible]		[illegible]	[illegible]		0.0
22	[illegible]	18	[illegible]	5.2500	[illegible]	[illegible]		1.1
23	[illegible]	18	[illegible]		[illegible]	[illegible]		1.4
24	5.0000	18	0.5000		[illegible]	[illegible]		1.1
25	5.0000	18	0.4938		42.5200	43.3448		1.2
26	[illegible]	18	[illegible]		[illegible]	[illegible]		0.5
27	[illegible]	18	[illegible]		[illegible]	[illegible]		0.0
28	5.0000	18	[illegible]		[illegible]	[illegible]		1.4
29	5.0000	18	0.5750		44.5408	45.3657		1.4
30	5.0000	18	0.5750		45.3657	46.1905		1.5
31	5.0000	18	0.5750		46.1905	47.0153		1.5
32	5.0000	18	0.5625		47.0153	47.8402		1.5
33	5.0000	18	0.5625		[illegible]	[illegible]		1.5
34	1.0000	18	0.5625		[illegible]	[illegible]		0.3
								24.0



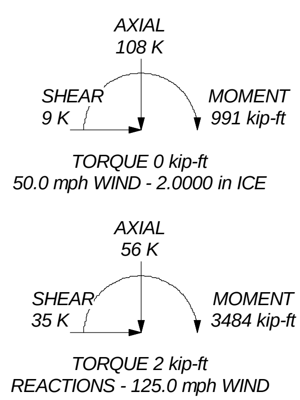
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	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 125.0 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50.0 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.0 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.0000 ft
8. TOWER RATING: 80.2%

ALL REACTIONS ARE FACTORED



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Job: **Newington (BU 881364)**		
Project: **TEP No. 65292.535123**		
Client: Crown Castle	Drawn by: Dustin T. Smith, P.E.	App'd:
Code: TIA-222-H	Date: 04/22/21	Scale: NTS
Path: G:\Shared drives\64985 - 65302\65292\P-268353_L-535123_881364_Newington_Structural Analysis\tnxTower\881364_1953731_LC7.eri		Dwg No. E-1

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: 142.0000 ft.
Basic wind speed of 125.0 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.0000 ft.
Nominal ice thickness of 2.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50.0 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60.0 mph.
TOWER RATING: 80.2%.
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

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	145.0000-140.0000	5.0000	0.00	18	24.0000	24.9233	0.1875	0.7500	A607-65 (65 ksi)
L2	140.0000-135.0000	5.0000	0.00	18	24.9233	25.8467	0.1875	0.7500	A607-65 (65 ksi)
L3	135.0000-130.0000	5.0000	0.00	18	25.8467	26.7700	0.1875	0.7500	A607-65 (65 ksi)
L4	130.0000-125.0000	5.0000	0.00	18	26.9000	27.8249	0.2500	1.0000	A607-65 (65 ksi)
L5	125.0000-120.0000	5.0000	0.00	18	27.8249	28.7497	0.2500	1.0000	A607-65 (65 ksi)
L6	120.0000-115.0000	5.0000	0.00	18	28.7497	29.6746	0.2500	1.0000	A607-65 (65 ksi)
L7	115.0000-110.0000	5.0000	0.00	18	29.6746	30.5994	0.2500	1.0000	A607-65 (65 ksi)
L8	110.0000-105.0000	5.0000	0.00	18	30.5994	31.5243	0.2500	1.0000	A607-65 (65 ksi)
L9	105.0000-100.0000	5.0000	0.00	18	31.5243	32.4492	0.2500	1.0000	A607-65 (65 ksi)
L10	100.0000-95.0000	5.0000	0.00	18	32.4492	33.3740	0.2500	1.0000	A607-65 (65 ksi)
L11	95.0000-90.0000	5.0000	0.00	18	33.3740	34.2989	0.2500	1.0000	A607-65 (65 ksi)
L12	90.0000-84.7500	5.2500	4.50	18	34.2989	35.2700	0.2500	1.0000	A607-65 (65 ksi)
L13	84.7500-84.2500	5.0000	0.00	18	33.9376	34.8623	0.3125	1.2500	A607-65 (65 ksi)
L14	84.2500-79.2500	5.0000	0.00	18	34.8623	35.7870	0.3125	1.2500	A607-65 (65 ksi)
L15	79.2500-74.2500	5.0000	0.00	18	35.7870	36.7118	0.3125	1.2500	A607-65 (65 ksi)
L16	74.2500-69.2500	5.0000	0.00	18	36.7118	37.6365	0.3125	1.2500	A607-65 (65 ksi)
L17	69.2500-64.2500	5.0000	0.00	18	37.6365	38.5612	0.3125	1.2500	A607-65 (65 ksi)
L18	64.2500-59.2500	5.0000	0.00	18	38.5612	39.4859	0.3125	1.2500	A607-65 (65 ksi)
L19	59.2500-54.2500	5.0000	0.00	18	39.4859	40.4106	0.3125	1.2500	A607-65 (65 ksi)
L20	54.2500-50.0830	4.1670	0.00	18	40.4106	41.1812	0.3125	1.2500	A607-65 (65 ksi)
L21	50.0830-49.8330	0.2500	0.00	18	41.1812	41.2275	0.4375	1.7500	A607-65 (65 ksi)
L22	49.8330-44.2500	5.5830	5.25	18	41.2275	42.2600	0.4375	1.7500	A607-65 (65 ksi)
L23	44.2500-43.2500	6.2500	0.00	18	40.6641	41.6951	0.5000	2.0000	A607-65 (65 ksi)
L24	43.2500-38.2500	5.0000	0.00	18	41.6951	42.5200	0.5000	2.0000	A607-65 (65 ksi)
L25	38.2500-33.2500	5.0000	0.00	18	42.5200	43.3448	0.4938	1.9750	A607-65 (65 ksi)
L26	33.2500-31.2500	2.0000	0.00	18	43.3448	43.6747	0.4875	1.9500	A607-65 (65 ksi)
L27	31.2500-31.0000	0.2500	0.00	18	43.6747	43.7160	0.5875	2.3500	A607-65 (65 ksi)
L28	31.0000-26.0000	5.0000	0.00	18	43.7160	44.5408	0.5875	2.3500	A607-65 (65 ksi)
L29	26.0000-21.0000	5.0000	0.00	18	44.5408	45.3657	0.5750	2.3000	A607-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L30	21.0000-16.0000	5.0000	0.00	18	45.3657	46.1905	0.5750	2.3000	A607-65 (65 ksi)
L31	16.0000-11.0000	5.0000	0.00	18	46.1905	47.0153	0.5750	2.3000	A607-65 (65 ksi)
L32	11.0000-6.0000	5.0000	0.00	18	47.0153	47.8402	0.5625	2.2500	A607-65 (65 ksi)
L33	6.0000-1.0000	5.0000	0.00	18	47.8402	48.6650	0.5625	2.2500	A607-65 (65 ksi)
L34	1.0000-0.0000	1.0000		18	48.6650	48.8300	0.5625	2.2500	A607-65 (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	24.3413	14.1714	1015.2211	8.4534	12.1920	83.2694	2031.7780	7.0871	3.8940	20.768
	25.2789	14.7209	1137.9555	8.7812	12.6611	89.8784	2277.4083	7.3619	4.0565	21.635
L2	25.2789	14.7209	1137.9555	8.7812	12.6611	89.8784	2277.4083	7.3619	4.0565	21.635
	26.2165	15.2704	1270.2035	9.1090	13.1301	96.7398	2542.0784	7.6367	4.2190	22.501
L3	26.2165	15.2704	1270.2035	9.1090	13.1301	96.7398	2542.0784	7.6367	4.2190	22.501
	27.1540	15.8199	1412.3200	9.4368	13.5992	103.8535	2826.4984	7.9115	4.3815	23.368
L4	27.2764	21.1468	1897.4748	9.4608	13.6652	138.8545	3797.4464	10.5754	4.2944	17.178
	28.2155	21.8807	2101.9599	9.7891	14.1350	148.7057	4206.6856	10.9424	4.4572	17.829
L5	28.2155	21.8807	2101.9599	9.7891	14.1350	148.7057	4206.6856	10.9424	4.4572	17.829
	29.1547	22.6145	2320.6324	10.1174	14.6049	158.8945	4644.3183	11.3094	4.6200	18.48
L6	29.1547	22.6145	2320.6324	10.1174	14.6049	158.8945	4644.3183	11.3094	4.6200	18.48
	30.0938	23.3484	2553.9681	10.4457	15.0747	169.4209	5111.2967	11.6764	4.7827	19.131
L7	30.0938	23.3484	2553.9681	10.4457	15.0747	169.4209	5111.2967	11.6764	4.7827	19.131
	31.0329	24.0823	2802.4429	10.7741	15.5445	180.2849	5608.5733	12.0434	4.9455	19.782
L8	31.0329	24.0823	2802.4429	10.7741	15.5445	180.2849	5608.5733	12.0434	4.9455	19.782
	31.9721	24.8162	3066.5323	11.1024	16.0143	191.4865	6137.0997	12.4104	5.1083	20.433
L9	31.9721	24.8162	3066.5323	11.1024	16.0143	191.4865	6137.0997	12.4104	5.1083	20.433
	32.9112	25.5500	3346.7129	11.4307	16.4842	203.0258	6697.8294	12.7774	5.2711	21.084
L10	32.9112	25.5500	3346.7129	11.4307	16.4842	203.0258	6697.8294	12.7774	5.2711	21.084
	33.8503	26.2839	3643.4600	11.7590	16.9540	214.9026	7291.7142	13.1445	5.4338	21.735
L11	33.8503	26.2839	3643.4600	11.7590	16.9540	214.9026	7291.7142	13.1445	5.4338	21.735
	34.7894	27.0178	3957.2496	12.0874	17.4238	227.1170	7919.7063	13.5115	5.5966	22.386
L12	34.7894	27.0178	3957.2496	12.0874	17.4238	227.1170	7919.7063	13.5115	5.5966	22.386
	35.7755	27.7884	4305.5913	12.4321	17.9172	240.3055	8616.8481	13.8968	5.7675	23.07
L13	35.2580	33.3519	4764.1571	11.9369	17.2403	276.3382	9534.5831	16.6791	5.4230	17.354
	35.3519	34.2691	5168.1160	12.2652	17.7101	291.8180	10343.0323	17.1378	5.5858	17.874
L14	35.3519	34.2691	5168.1160	12.2652	17.7101	291.8180	10343.0323	17.1378	5.5858	17.874
	36.2909	35.1863	5594.2871	12.5935	18.1798	307.7197	11195.9353	17.5965	5.7485	18.395
L15	36.2909	35.1863	5594.2871	12.5935	18.1798	307.7197	11195.9353	17.5965	5.7485	18.395
	37.2299	36.1035	6043.2659	12.9217	18.6496	324.0432	12094.4836	18.0552	5.9113	18.916
L16	37.2299	36.1035	6043.2659	12.9217	18.6496	324.0432	12094.4836	18.0552	5.9113	18.916
	38.1689	37.0207	6515.6458	13.2500	19.1193	340.7886	13039.8651	18.5139	6.0740	19.437
L17	38.1689	37.0207	6515.6458	13.2500	19.1193	340.7886	13039.8651	18.5139	6.0740	19.437
	39.1078	37.9379	7012.0220	13.5783	19.5891	357.9558	14033.2707	18.9726	6.2368	19.958
L18	39.1078	37.9379	7012.0220	13.5783	19.5891	357.9558	14033.2707	18.9726	6.2368	19.958
	40.0468	38.8551	7532.9895	13.9065	20.0588	375.5449	15075.8912	19.4312	6.3995	20.478
L19	40.0468	38.8551	7532.9895	13.9065	20.0588	375.5449	15075.8912	19.4312	6.3995	20.478
	40.9858	39.7723	8079.1417	14.2348	20.5286	393.5559	16168.9142	19.8899	6.5623	20.999
L20	40.9858	39.7723	8079.1417	14.2348	20.5286	393.5559	16168.9142	19.8899	6.5623	20.999
	41.7683	40.5367	8553.9751	14.5084	20.9201	408.8885	17119.2057	20.2722	6.6979	21.433
L21	41.7490	56.5778	11866.0164	14.4640	20.9201	567.2074	23747.6465	28.2943	6.4779	14.807

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
	41.7960	56.6420	11906.4590	14.4804	20.9436	568.5023	23828.5848	28.3264	6.4860	14.825
L22	41.7960	56.6420	11906.4590	14.4804	20.9436	568.5023	23828.5848	28.3264	6.4860	14.825
	42.8444	58.0758	12833.7153	14.8470	21.4681	597.8045	25684.3175	29.0434	6.6678	15.241
L23	42.0937	63.7404	12990.5359	14.2582	20.6573	628.8581	25998.1652	31.8762	6.2769	12.554
	42.2612	65.3766	14016.8807	14.6243	21.1811	661.7631	28052.2052	32.6945	6.4583	12.917
L24	42.2612	65.3766	14016.8807	14.6243	21.1811	661.7631	28052.2052	32.6945	6.4583	12.917
	43.0988	66.6857	14875.8240	14.9171	21.6001	688.6912	29771.2221	33.3492	6.6035	13.207
L25	43.0997	65.8619	14696.4321	14.9193	21.6001	680.3861	29412.2021	32.9372	6.6145	13.396
	43.9373	67.1546	15578.8621	15.2121	22.0192	707.5140	31178.2233	33.5837	6.7597	13.69
L26	43.9383	66.3142	15388.3927	15.2143	22.0192	698.8639	30797.0339	33.1634	6.7707	13.889
	44.2733	66.8247	15746.5386	15.3315	22.1868	709.7267	31513.7969	33.4187	6.8288	14.008
L27	44.2579	80.3458	18845.0819	15.2960	22.1868	849.3840	37714.9606	40.1806	6.6528	11.324
	44.2997	80.4227	18899.2491	15.3106	22.2077	851.0218	37823.3663	40.2190	6.6600	11.336
L28	44.2997	80.4227	18899.2491	15.3106	22.2077	851.0218	37823.3663	40.2190	6.6600	11.336
	45.1373	81.9608	20004.4774	15.6034	22.6267	884.1080	40035.2771	40.9882	6.8052	11.583
L29	45.1392	80.2398	19595.5592	15.6079	22.6267	866.0356	39216.9027	40.1275	6.8272	11.873
	45.9768	81.7452	20719.2773	15.9007	23.0458	899.0496	41465.8176	40.8804	6.9724	12.126
L30	45.9768	81.7452	20719.2773	15.9007	23.0458	899.0496	41465.8176	40.8804	6.9724	12.126
	46.8144	83.2506	21885.1547	16.1935	23.4648	932.6812	43799.1065	41.6332	7.1175	12.378
L31	46.8144	83.2506	21885.1547	16.1935	23.4648	932.6812	43799.1065	41.6332	7.1175	12.378
	47.6519	84.7560	23093.9679	16.4863	23.8838	966.9304	46218.3234	42.3860	7.2627	12.631
L32	47.6539	82.9357	22610.1727	16.4908	23.8838	946.6742	45250.0965	41.4758	7.2847	12.951
	48.4914	84.4084	23836.1230	16.7836	24.3028	980.7968	47703.6102	42.2122	7.4299	13.209
L33	48.4914	84.4084	23836.1230	16.7836	24.3028	980.7968	47703.6102	42.2122	7.4299	13.209
	49.3290	85.8811	25105.6046	17.0764	24.7218	1015.5235	50244.2437	42.9487	7.5750	13.467
L34	49.3290	85.8811	25105.6046	17.0764	24.7218	1015.5235	50244.2437	42.9487	7.5750	13.467
	49.4965	86.1756	25364.7926	17.1350	24.8056	1022.5413	50762.9608	43.0960	7.6041	13.518

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	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
L1 145.0000-140.0000				1	1	1			
L2 140.0000-135.0000				1	1	1			
L3 135.0000-130.0000				1	1	1			
L4 130.0000-125.0000				1	1	1			
L5 125.0000-120.0000				1	1	1			
L6 120.0000-115.0000				1	1	1			
L7 115.0000-110.0000				1	1	1			
L8 110.0000-105.0000				1	1	1			
L9 105.0000-100.0000				1	1	1			
L10				1	1	1			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	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
100.0000-95.0000									
L11				1	1	1			
95.0000-90.0000									
L12				1	1	1			
90.0000-84.7500									
L13				1	1	1			
84.7500-84.2500									
L14				1	1	1			
84.2500-79.2500									
L15				1	1	1			
79.2500-74.2500									
L16				1	1	1			
74.2500-69.2500									
L17				1	1	1			
69.2500-64.2500									
L18				1	1	1			
64.2500-59.2500									
L19				1	1	1			
59.2500-54.2500									
L20				1	1	1			
54.2500-50.0830									
L21				1	1	1.03427			
50.0830-49.8330									
L22				1	1	1.03379			
49.8330-44.2500									
L23				1	1	1.02761			
44.2500-43.2500									
L24				1	1	1.02216			
43.2500-38.2500									
L25				1	1	1.02965			
38.2500-33.2500									
L26				1	1	1.04061			
33.2500-31.2500									
L27				1	1	1.0378			
31.2500-31.0000									
L28				1	1	1.0303			
31.0000-26.0000									
L29				1	1	1.04503			
26.0000-21.0000									

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	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
L30 21.0000-16.0000				1	1	1.03793			
L31 16.0000-11.0000				1	1	1.03108			
L32 11.0000-6.0000				1	1	1.04695			
L33 6.0000-1.0000				1	1	1.04043			
L34 1.0000-0.0000				1	1	1.03915			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
***										
HJ7-50A(1-5/8)	A	No	Surface Ar (CaAa)	94.0000 - 0.0000	10	7	-0.250 -0.250	1.9800		1.04
***										
LDF4-50A(1/2)	A	No	Surface Ar (CaAa)	77.0000 - 0.0000	1	1	0.250 0.250	0.6250		0.15
***										
Safety Line 3/8	A	No	Surface Ar (CaAa)	145.0000 - 0.0000	1	1	0.500 0.500	0.3750		0.22
***										
(Area) CCI-65FP-085125 (H)	A	No	Surface Af (CaAa)	35.5000 - 0.5000	1	1	0.167 0.167	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	B	No	Surface Af (CaAa)	35.5000 - 0.5000	1	1	0.330 0.330	8.5000	19.5000	0.00
(Area) CCI-65FP-085125 (H)	C	No	Surface Af (CaAa)	35.5000 - 0.5000	1	1	0.167 0.167	8.5000	19.5000	0.00
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	60.5830 - 35.5000	1	1	0.167 0.167	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	60.5830 - 35.5000	1	1	0.330 0.330	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	60.5830 - 35.5000	1	1	0.167 0.167	6.0000	14.0000	0.00
***										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
ATCB-B01-005(5/1	C	No	No	Inside Pole	133.0000 -	6	No Ice	0.0000	0.07

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
6")					0.0000		1/2" Ice	0.0000	0.07
							1" Ice	0.0000	0.07
							2" Ice	0.0000	0.07
FSJ4-50B(1/2)	C	No	No	Inside Pole	133.0000 - 0.0000	2	No Ice	0.0000	0.14
							1/2" Ice	0.0000	0.14
							1" Ice	0.0000	0.14
							2" Ice	0.0000	0.14
2" Flexible Conduit	C	No	No	Inside Pole	133.0000 - 0.0000	2	No Ice	0.0000	0.34
							1/2" Ice	0.0000	0.34
							1" Ice	0.0000	0.34
							2" Ice	0.0000	0.34
***									
HB114-1-08U4-M5J (1 1/4")	C	No	No	Inside Pole	124.0000 - 0.0000	4	No Ice	0.0000	1.08
							1/2" Ice	0.0000	1.08
							1" Ice	0.0000	1.08
							2" Ice	0.0000	1.08
***									
***									
LDF4-50A(1/2)	C	No	No	Inside Pole	114.0000 - 0.0000	1	No Ice	0.0000	0.15
							1/2" Ice	0.0000	0.15
							1" Ice	0.0000	0.15
							2" Ice	0.0000	0.15
LDF7-50A(1-5/8)	C	No	No	Inside Pole	114.0000 - 0.0000	8	No Ice	0.0000	0.82
							1/2" Ice	0.0000	0.82
							1" Ice	0.0000	0.82
							2" Ice	0.0000	0.82
***									
LCF158-50A(1-5/8)	C	No	No	Inside Pole	105.0000 - 0.0000	12	No Ice	0.0000	0.80
							1/2" Ice	0.0000	0.80
							1" Ice	0.0000	0.80
							2" Ice	0.0000	0.80
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	105.0000 - 0.0000	6	No Ice	0.0000	0.58
							1/2" Ice	0.0000	0.58
							1" Ice	0.0000	0.58
							2" Ice	0.0000	0.58
FB-L98B-002-75000 (3/8)	C	No	No	Inside Pole	105.0000 - 0.0000	2	No Ice	0.0000	0.06
							1/2" Ice	0.0000	0.06
							1" Ice	0.0000	0.06
							2" Ice	0.0000	0.06
2" Flexible Conduit	C	No	No	Inside Pole	105.0000 - 0.0000	2	No Ice	0.0000	0.34
							1/2" Ice	0.0000	0.34
							1" Ice	0.0000	0.34
							2" Ice	0.0000	0.34
HJ7-50A(1-5/8")	A	No	No	Inside Pole	94.0000 - 0.0000	3	No Ice	0.0000	1.04
							1/2" Ice	0.0000	1.04
							1" Ice	0.0000	1.04
							2" Ice	0.0000	1.04
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	145.0000-140.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L2	140.0000-135.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L3	135.0000-130.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L4	130.0000-125.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.01
L5	125.0000-120.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L6	120.0000-115.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.03
L7	115.0000-110.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.06
L8	110.0000-105.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.06
L9	105.0000-100.000	A	0.000	0.000	0.188	0.000	0.00
	0	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.13
L10	100.0000-95.0000	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.13
L11	95.0000-90.0000	A	0.000	0.000	5.731	0.000	0.06
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.13
L12	90.0000-84.7500	A	0.000	0.000	7.473	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.14
L13	84.7500-84.2500	A	0.000	0.000	0.712	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.01
L14	84.2500-79.2500	A	0.000	0.000	7.117	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.13
L15	79.2500-74.2500	A	0.000	0.000	7.289	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.13
L16	74.2500-69.2500	A	0.000	0.000	7.430	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.13
L17	69.2500-64.2500	A	0.000	0.000	7.430	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.13
L18	64.2500-59.2500	A	0.000	0.000	8.763	0.000	0.07
		B	0.000	0.000	1.333	0.000	0.00
		C	0.000	0.000	1.333	0.000	0.13
L19	59.2500-54.2500	A	0.000	0.000	12.430	0.000	0.07
		B	0.000	0.000	5.000	0.000	0.00
		C	0.000	0.000	5.000	0.000	0.13
L20	54.2500-50.0830	A	0.000	0.000	10.359	0.000	0.06
		B	0.000	0.000	4.167	0.000	0.00
		C	0.000	0.000	4.167	0.000	0.11
L21	50.0830-49.8330	A	0.000	0.000	0.622	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	0.250	0.000	0.00
		C	0.000	0.000	0.250	0.000	0.01
L22	49.8330-44.2500	A	0.000	0.000	13.879	0.000	0.08
		B	0.000	0.000	5.583	0.000	0.00
		C	0.000	0.000	5.583	0.000	0.15
L23	44.2500-43.2500	A	0.000	0.000	2.486	0.000	0.01
		B	0.000	0.000	1.000	0.000	0.00
		C	0.000	0.000	1.000	0.000	0.03
L24	43.2500-38.2500	A	0.000	0.000	12.430	0.000	0.07
		B	0.000	0.000	5.000	0.000	0.00
		C	0.000	0.000	5.000	0.000	0.13
L25	38.2500-33.2500	A	0.000	0.000	13.368	0.000	0.07
		B	0.000	0.000	5.938	0.000	0.00
		C	0.000	0.000	5.938	0.000	0.13
L26	33.2500-31.2500	A	0.000	0.000	5.805	0.000	0.03
		B	0.000	0.000	2.833	0.000	0.00
		C	0.000	0.000	2.833	0.000	0.05
L27	31.2500-31.0000	A	0.000	0.000	0.726	0.000	0.00
		B	0.000	0.000	0.354	0.000	0.00
		C	0.000	0.000	0.354	0.000	0.01
L28	31.0000-26.0000	A	0.000	0.000	14.513	0.000	0.07
		B	0.000	0.000	7.083	0.000	0.00
		C	0.000	0.000	7.083	0.000	0.13
L29	26.0000-21.0000	A	0.000	0.000	14.513	0.000	0.07
		B	0.000	0.000	7.083	0.000	0.00
		C	0.000	0.000	7.083	0.000	0.13
L30	21.0000-16.0000	A	0.000	0.000	14.513	0.000	0.07
		B	0.000	0.000	7.083	0.000	0.00
		C	0.000	0.000	7.083	0.000	0.13
L31	16.0000-11.0000	A	0.000	0.000	14.513	0.000	0.07
		B	0.000	0.000	7.083	0.000	0.00
		C	0.000	0.000	7.083	0.000	0.13
L32	11.0000-6.0000	A	0.000	0.000	14.513	0.000	0.07
		B	0.000	0.000	7.083	0.000	0.00
		C	0.000	0.000	7.083	0.000	0.13
L33	6.0000-1.0000	A	0.000	0.000	14.513	0.000	0.07
		B	0.000	0.000	7.083	0.000	0.00
		C	0.000	0.000	7.083	0.000	0.13
L34	1.0000-0.0000	A	0.000	0.000	2.194	0.000	0.01
		B	0.000	0.000	0.708	0.000	0.00
		C	0.000	0.000	0.708	0.000	0.03

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	145.0000-140.000	A	1.968	0.000	0.000	2.155	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L2	140.0000-135.000	A	1.961	0.000	0.000	2.148	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L3	135.0000-130.000	A	1.954	0.000	0.000	2.141	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L4	130.0000-125.000	A	1.946	0.000	0.000	2.134	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	0.000	0.000	0.01
L5	125.0000-120.000	A	1.938	0.000	0.000	2.126	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L6	120.0000-115.000	A	1.930	0.000	0.000	2.118	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.03
L7	115.0000-110.000	A	1.922	0.000	0.000	2.109	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.06
L8	110.0000-105.000	A	1.913	0.000	0.000	2.101	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.06
L9	105.0000-100.000	A	1.904	0.000	0.000	2.091	0.000	0.03
	0	B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.13
L10	100.0000-95.0000	A	1.894	0.000	0.000	2.082	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.13
L11	95.0000-90.0000	A	1.885	0.000	0.000	10.887	0.000	0.21
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.13
L12	90.0000-84.7500	A	1.874	0.000	0.000	13.719	0.000	0.26
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.14
L13	84.7500-84.2500	A	1.868	0.000	0.000	1.307	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.01
L14	84.2500-79.2500	A	1.861	0.000	0.000	13.038	0.000	0.25
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.13
L15	79.2500-74.2500	A	1.850	0.000	0.000	14.201	0.000	0.26
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.13
L16	74.2500-69.2500	A	1.837	0.000	0.000	15.134	0.000	0.28
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.13
L17	69.2500-64.2500	A	1.824	0.000	0.000	15.091	0.000	0.27
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.13
L18	64.2500-59.2500	A	1.810	0.000	0.000	16.860	0.000	0.29
		B		0.000	0.000	1.816	0.000	0.02
		C		0.000	0.000	1.816	0.000	0.15
L19	59.2500-54.2500	A	1.795	0.000	0.000	21.790	0.000	0.34
		B		0.000	0.000	6.795	0.000	0.07
		C		0.000	0.000	6.795	0.000	0.20
L20	54.2500-50.0830	A	1.780	0.000	0.000	18.106	0.000	0.28
		B		0.000	0.000	5.650	0.000	0.06
		C		0.000	0.000	5.650	0.000	0.17
L21	50.0830-49.8330	A	1.772	0.000	0.000	1.085	0.000	0.02
		B		0.000	0.000	0.339	0.000	0.00
		C		0.000	0.000	0.339	0.000	0.01
L22	49.8330-44.2500	A	1.761	0.000	0.000	24.172	0.000	0.37
		B		0.000	0.000	7.550	0.000	0.08
		C		0.000	0.000	7.550	0.000	0.23
L23	44.2500-43.2500	A	1.749	0.000	0.000	4.330	0.000	0.07
		B		0.000	0.000	1.352	0.000	0.01
		C		0.000	0.000	1.352	0.000	0.04
L24	43.2500-38.2500	A	1.736	0.000	0.000	21.541	0.000	0.33
		B		0.000	0.000	6.736	0.000	0.07
		C		0.000	0.000	6.736	0.000	0.20

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L25	38.2500-33.2500	A	1.714	0.000	0.000	22.383	0.000	0.34
		B		0.000	0.000	7.651	0.000	0.08
		C		0.000	0.000	7.651	0.000	0.21
L26	33.2500-31.2500	A	1.696	0.000	0.000	9.382	0.000	0.14
		B		0.000	0.000	3.512	0.000	0.03
		C		0.000	0.000	3.512	0.000	0.09
L27	31.2500-31.0000	A	1.690	0.000	0.000	1.171	0.000	0.02
		B		0.000	0.000	0.439	0.000	0.00
		C		0.000	0.000	0.439	0.000	0.01
L28	31.0000-26.0000	A	1.675	0.000	0.000	23.365	0.000	0.34
		B		0.000	0.000	8.759	0.000	0.08
		C		0.000	0.000	8.759	0.000	0.22
L29	26.0000-21.0000	A	1.643	0.000	0.000	23.229	0.000	0.33
		B		0.000	0.000	8.727	0.000	0.08
		C		0.000	0.000	8.727	0.000	0.21
L30	21.0000-16.0000	A	1.604	0.000	0.000	23.064	0.000	0.32
		B		0.000	0.000	8.688	0.000	0.08
		C		0.000	0.000	8.688	0.000	0.21
L31	16.0000-11.0000	A	1.555	0.000	0.000	22.853	0.000	0.31
		B		0.000	0.000	8.638	0.000	0.08
		C		0.000	0.000	8.638	0.000	0.21
L32	11.0000-6.0000	A	1.484	0.000	0.000	22.554	0.000	0.30
		B		0.000	0.000	8.568	0.000	0.07
		C		0.000	0.000	8.568	0.000	0.20
L33	6.0000-1.0000	A	1.358	0.000	0.000	22.018	0.000	0.28
		B		0.000	0.000	8.441	0.000	0.07
		C		0.000	0.000	8.441	0.000	0.20
L34	1.0000-0.0000	A	1.118	0.000	0.000	3.379	0.000	0.04
		B		0.000	0.000	0.820	0.000	0.01
		C		0.000	0.000	0.820	0.000	0.03

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	145.0000-140.0000	0.0000	-0.3011	0.0000	-1.6194
L2	140.0000-135.0000	0.0000	-0.3012	0.0000	-1.6293
L3	135.0000-130.0000	0.0000	-0.3012	0.0000	-1.6381
L4	130.0000-125.0000	0.0000	-0.3014	0.0000	-1.6482
L5	125.0000-120.0000	0.0000	-0.3015	0.0000	-1.6551
L6	120.0000-115.0000	0.0000	-0.3016	0.0000	-1.6611
L7	115.0000-110.0000	0.0000	-0.3016	0.0000	-1.6662
L8	110.0000-105.0000	0.0000	-0.3017	0.0000	-1.6705
L9	105.0000-100.0000	0.0000	-0.3017	0.0000	-1.6740
L10	100.0000-95.0000	0.0000	-0.3018	0.0000	-1.6767
L11	95.0000-90.0000	-6.4951	-0.1983	-5.0902	-1.0804
L12	90.0000-84.7500	-7.3589	-0.1807	-5.8955	-1.0021
L13	84.7500-84.2500	-7.3629	-0.1808	-5.8995	-1.0029
L14	84.2500-79.2500	-7.4148	-0.1823	-5.9342	-1.0054
L15	79.2500-74.2500	-7.5238	-0.3307	-6.0996	-1.4850
L16	74.2500-69.2500	-7.6287	-0.4528	-6.2435	-1.8600
L17	69.2500-64.2500	-7.7196	-0.4591	-6.3092	-1.8747
L18	64.2500-59.2500	-6.6168	0.3606	-5.7423	-1.1371
L19	59.2500-54.2500	-4.8709	1.6328	-4.6531	0.2290
L20	54.2500-50.0830	-4.9404	1.6584	-4.7105	0.2388
L21	50.0830-49.8330	-4.9741	1.6708	-4.7385	0.2437

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L22	49.8330-44.2500	-5.0177	1.6869	-4.7742	0.2505
L23	44.2500-43.2500	-5.0075	1.6831	-4.7668	0.2501
L24	43.2500-38.2500	-5.0473	1.6978	-4.7978	0.2633
L25	38.2500-33.2500	-4.8180	1.9455	-4.6917	0.4773
L26	33.2500-31.2500	-4.5542	2.1958	-4.5498	0.7119
L27	31.2500-31.0000	-4.5682	2.2031	-4.5616	0.7169
L28	31.0000-26.0000	-4.6002	2.2197	-4.5875	0.7287
L29	26.0000-21.0000	-4.6606	2.2512	-4.6359	0.7532
L30	21.0000-16.0000	-4.7206	2.2824	-4.6827	0.7816
L31	16.0000-11.0000	-4.7800	2.3133	-4.7274	0.8160
L32	11.0000-6.0000	-4.8390	2.3440	-4.7686	0.8620
L33	6.0000-1.0000	-4.8955	2.3735	-4.8018	0.9399
L34	1.0000-0.0000	-6.0714	1.4062	-5.5908	0.0800

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	23	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L2	23	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L3	23	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L4	23	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L5	23	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L6	23	Safety Line 3/8	115.00 - 120.00	1.0000	1.0000
L7	23	Safety Line 3/8	110.00 - 115.00	1.0000	1.0000
L8	23	Safety Line 3/8	105.00 - 110.00	1.0000	1.0000
L9	23	Safety Line 3/8	100.00 - 105.00	1.0000	1.0000
L10	23	Safety Line 3/8	95.00 - 100.00	1.0000	1.0000
L11	18	HJ7-50A(1-5/8)	90.00 - 94.00	1.0000	1.0000
L11	23	Safety Line 3/8	90.00 - 95.00	1.0000	1.0000
L12	18	HJ7-50A(1-5/8)	84.75 - 90.00	1.0000	1.0000
L12	23	Safety Line 3/8	84.75 - 90.00	1.0000	1.0000
L13	18	HJ7-50A(1-5/8)	84.25 - 84.75	1.0000	1.0000
L13	23	Safety Line 3/8	84.25 - 84.75	1.0000	1.0000
L14	18	HJ7-50A(1-5/8)	79.25 - 84.25	1.0000	1.0000
L14	23	Safety Line 3/8	79.25 - 84.25	1.0000	1.0000
L15	18	HJ7-50A(1-5/8)	74.25 - 79.25	1.0000	1.0000
L15	21	LDF4-50A(1/2)	74.25 - 77.00	1.0000	1.0000
L15	23	Safety Line 3/8	74.25 - 79.25	1.0000	1.0000
L16	18	HJ7-50A(1-5/8)	69.25 - 74.25	1.0000	1.0000
L16	21	LDF4-50A(1/2)	69.25 - 74.25	1.0000	1.0000
L16	23	Safety Line 3/8	69.25 - 74.25	1.0000	1.0000
L17	18	HJ7-50A(1-5/8)	64.25 - 69.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L17	21	LDF4-50A(1/2)	64.25 - 69.25	1.0000	1.0000
L17	23	Safety Line 3/8	64.25 - 69.25	1.0000	1.0000
L18	18	HJ7-50A(1-5/8)	59.25 - 64.25	1.0000	1.0000
L18	21	LDF4-50A(1/2)	59.25 - 64.25	1.0000	1.0000
L18	23	Safety Line 3/8	59.25 - 64.25	1.0000	1.0000
L18	28	(Area) CCI-65FP-060100 (H)	59.25 - 60.58	1.0000	1.0000
L18	29	(Area) CCI-65FP-060100 (H)	59.25 - 60.58	1.0000	1.0000
L18	30	(Area) CCI-65FP-060100 (H)	59.25 - 60.58	1.0000	1.0000
L19	18	HJ7-50A(1-5/8)	54.25 - 59.25	1.0000	1.0000
L19	21	LDF4-50A(1/2)	54.25 - 59.25	1.0000	1.0000
L19	23	Safety Line 3/8	54.25 - 59.25	1.0000	1.0000
L19	28	(Area) CCI-65FP-060100 (H)	54.25 - 59.25	1.0000	1.0000
L19	29	(Area) CCI-65FP-060100 (H)	54.25 - 59.25	1.0000	1.0000
L19	30	(Area) CCI-65FP-060100 (H)	54.25 - 59.25	1.0000	1.0000
L20	18	HJ7-50A(1-5/8)	50.08 - 54.25	1.0000	1.0000
L20	21	LDF4-50A(1/2)	50.08 - 54.25	1.0000	1.0000
L20	23	Safety Line 3/8	50.08 - 54.25	1.0000	1.0000
L20	28	(Area) CCI-65FP-060100 (H)	50.08 - 54.25	1.0000	1.0000
L20	29	(Area) CCI-65FP-060100 (H)	50.08 - 54.25	1.0000	1.0000
L20	30	(Area) CCI-65FP-060100 (H)	50.08 - 54.25	1.0000	1.0000
L21	18	HJ7-50A(1-5/8)	49.83 - 50.08	1.0000	1.0000
L21	21	LDF4-50A(1/2)	49.83 - 50.08	1.0000	1.0000
L21	23	Safety Line 3/8	49.83 - 50.08	1.0000	1.0000
L21	28	(Area) CCI-65FP-060100 (H)	49.83 - 50.08	1.0000	1.0000
L21	29	(Area) CCI-65FP-060100 (H)	49.83 - 50.08	1.0000	1.0000
L21	30	(Area) CCI-65FP-060100 (H)	49.83 - 50.08	1.0000	1.0000
L22	18	HJ7-50A(1-5/8)	44.25 - 49.83	1.0000	1.0000
L22	21	LDF4-50A(1/2)	44.25 - 49.83	1.0000	1.0000
L22	23	Safety Line 3/8	44.25 - 49.83	1.0000	1.0000
L22	28	(Area) CCI-65FP-060100 (H)	44.25 - 49.83	1.0000	1.0000
L22	29	(Area) CCI-65FP-060100 (H)	44.25 - 49.83	1.0000	1.0000
L22	30	(Area) CCI-65FP-060100 (H)	44.25 - 49.83	1.0000	1.0000
L23	18	HJ7-50A(1-5/8)	43.25 - 44.25	1.0000	1.0000
L23	21	LDF4-50A(1/2)	43.25 - 44.25	1.0000	1.0000
L23	23	Safety Line 3/8	43.25 - 44.25	1.0000	1.0000
L23	28	(Area) CCI-65FP-060100 (H)	43.25 - 44.25	1.0000	1.0000
L23	29	(Area) CCI-65FP-060100 (H)	43.25 - 44.25	1.0000	1.0000
L23	30	(Area) CCI-65FP-060100 (H)	43.25 - 44.25	1.0000	1.0000
L24	18	HJ7-50A(1-5/8)	38.25 - 43.25	1.0000	1.0000
L24	21	LDF4-50A(1/2)	38.25 - 43.25	1.0000	1.0000
L24	23	Safety Line 3/8	38.25 - 43.25	1.0000	1.0000
L24	28	(Area) CCI-65FP-060100 (H)	38.25 - 43.25	1.0000	1.0000
L24	29	(Area) CCI-65FP-060100 (H)	38.25 - 43.25	1.0000	1.0000
L24	30	(Area) CCI-65FP-060100 (H)	38.25 - 43.25	1.0000	1.0000
L25	18	HJ7-50A(1-5/8)	33.25 - 38.25	1.0000	1.0000
L25	21	LDF4-50A(1/2)	33.25 - 38.25	1.0000	1.0000
L25	23	Safety Line 3/8	33.25 - 38.25	1.0000	1.0000
L25	25	(Area) CCI-65FP-085125 (H)	33.25 - 35.50	1.0000	1.0000
L25	26	(Area) CCI-65FP-085125 (H)	33.25 - 35.50	1.0000	1.0000
L25	27	(Area) CCI-65FP-085125 (H)	33.25 - 35.50	1.0000	1.0000
L25	28	(Area) CCI-65FP-060100 (H)	35.50 - 38.25	1.0000	1.0000
L25	29	(Area) CCI-65FP-060100 (H)	35.50 - 38.25	1.0000	1.0000
L25	30	(Area) CCI-65FP-060100 (H)	35.50 - 38.25	1.0000	1.0000
L26	18	HJ7-50A(1-5/8)	31.25 - 33.25	1.0000	1.0000
L26	21	LDF4-50A(1/2)	31.25 - 33.25	1.0000	1.0000
L26	23	Safety Line 3/8	31.25 - 33.25	1.0000	1.0000
L26	25	(Area) CCI-65FP-085125 (H)	31.25 - 33.25	1.0000	1.0000
L26	26	(Area) CCI-65FP-085125 (H)	31.25 - 33.25	1.0000	1.0000
L26	27	(Area) CCI-65FP-085125 (H)	31.25 - 33.25	1.0000	1.0000
L27	18	HJ7-50A(1-5/8)	31.00 - 31.25	1.0000	1.0000
L27	21	LDF4-50A(1/2)	31.00 - 31.25	1.0000	1.0000
L27	23	Safety Line 3/8	31.00 - 31.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L27	25	(Area) CCI-65FP-085125 (H)	31.00 - 31.25	1.0000	1.0000
L27	26	(Area) CCI-65FP-085125 (H)	31.00 - 31.25	1.0000	1.0000
L27	27	(Area) CCI-65FP-085125 (H)	31.00 - 31.25	1.0000	1.0000
L28	18	HJ7-50A(1-5/8)	26.00 - 31.00	1.0000	1.0000
L28	21	LDF4-50A(1/2)	26.00 - 31.00	1.0000	1.0000
L28	23	Safety Line 3/8	26.00 - 31.00	1.0000	1.0000
L28	25	(Area) CCI-65FP-085125 (H)	26.00 - 31.00	1.0000	1.0000
L28	26	(Area) CCI-65FP-085125 (H)	26.00 - 31.00	1.0000	1.0000
L28	27	(Area) CCI-65FP-085125 (H)	26.00 - 31.00	1.0000	1.0000
L29	18	HJ7-50A(1-5/8)	21.00 - 26.00	1.0000	1.0000
L29	21	LDF4-50A(1/2)	21.00 - 26.00	1.0000	1.0000
L29	23	Safety Line 3/8	21.00 - 26.00	1.0000	1.0000
L29	25	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	1.0000	1.0000
L29	26	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	1.0000	1.0000
L29	27	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	1.0000	1.0000
L30	18	HJ7-50A(1-5/8)	16.00 - 21.00	1.0000	1.0000
L30	21	LDF4-50A(1/2)	16.00 - 21.00	1.0000	1.0000
L30	23	Safety Line 3/8	16.00 - 21.00	1.0000	1.0000
L30	25	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	1.0000	1.0000
L30	26	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	1.0000	1.0000
L30	27	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	1.0000	1.0000
L31	18	HJ7-50A(1-5/8)	11.00 - 16.00	1.0000	1.0000
L31	21	LDF4-50A(1/2)	11.00 - 16.00	1.0000	1.0000
L31	23	Safety Line 3/8	11.00 - 16.00	1.0000	1.0000
L31	25	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	1.0000	1.0000
L31	26	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	1.0000	1.0000
L31	27	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	1.0000	1.0000
L32	18	HJ7-50A(1-5/8)	6.00 - 11.00	1.0000	1.0000
L32	21	LDF4-50A(1/2)	6.00 - 11.00	1.0000	1.0000
L32	23	Safety Line 3/8	6.00 - 11.00	1.0000	1.0000
L32	25	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	1.0000	1.0000
L32	26	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	1.0000	1.0000
L32	27	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	1.0000	1.0000
L33	18	HJ7-50A(1-5/8)	1.00 - 6.00	1.0000	1.0000
L33	21	LDF4-50A(1/2)	1.00 - 6.00	1.0000	1.0000
L33	23	Safety Line 3/8	1.00 - 6.00	1.0000	1.0000
L33	25	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	1.0000	1.0000
L33	26	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	1.0000	1.0000
L33	27	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	1.0000	1.0000
L34	18	HJ7-50A(1-5/8)	0.00 - 1.00	1.0000	1.0000
L34	21	LDF4-50A(1/2)	0.00 - 1.00	1.0000	1.0000
L34	23	Safety Line 3/8	0.00 - 1.00	1.0000	1.0000
L34	25	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	1.0000	1.0000
L34	26	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	1.0000	1.0000
L34	27	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L18	28	(Area) CCI-65FP-060100 (H)	59.25 - 60.58	Auto	0.0000
L18	29	(Area) CCI-65FP-060100 (H)	59.25 - 60.58	Auto	0.0000
L18	30	(Area) CCI-65FP-060100 (H)	59.25 - 60.58	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L19	28	(Area) CCI-65FP-060100 (H)	54.25 - 59.25	Auto	0.0000
L19	29	(Area) CCI-65FP-060100 (H)	54.25 - 59.25	Auto	0.0000
L19	30	(Area) CCI-65FP-060100 (H)	54.25 - 59.25	Auto	0.0000
L20	28	(Area) CCI-65FP-060100 (H)	50.08 - 54.25	Auto	0.0000
L20	29	(Area) CCI-65FP-060100 (H)	50.08 - 54.25	Auto	0.0000
L20	30	(Area) CCI-65FP-060100 (H)	50.08 - 54.25	Auto	0.0000
L21	28	(Area) CCI-65FP-060100 (H)	49.83 - 50.08	Auto	0.0000
L21	29	(Area) CCI-65FP-060100 (H)	49.83 - 50.08	Auto	0.0000
L21	30	(Area) CCI-65FP-060100 (H)	49.83 - 50.08	Auto	0.0000
L22	28	(Area) CCI-65FP-060100 (H)	44.25 - 49.83	Auto	0.0000
L22	29	(Area) CCI-65FP-060100 (H)	44.25 - 49.83	Auto	0.0000
L22	30	(Area) CCI-65FP-060100 (H)	44.25 - 49.83	Auto	0.0000
L23	28	(Area) CCI-65FP-060100 (H)	43.25 - 44.25	Auto	0.0000
L23	29	(Area) CCI-65FP-060100 (H)	43.25 - 44.25	Auto	0.0000
L23	30	(Area) CCI-65FP-060100 (H)	43.25 - 44.25	Auto	0.0000
L24	28	(Area) CCI-65FP-060100 (H)	38.25 - 43.25	Auto	0.0000
L24	29	(Area) CCI-65FP-060100 (H)	38.25 - 43.25	Auto	0.0000
L24	30	(Area) CCI-65FP-060100 (H)	38.25 - 43.25	Auto	0.0000
L25	25	(Area) CCI-65FP-085125 (H)	33.25 - 35.50	Auto	0.2086
L25	26	(Area) CCI-65FP-085125 (H)	33.25 - 35.50	Auto	0.2086
L25	27	(Area) CCI-65FP-085125 (H)	33.25 - 35.50	Auto	0.2086
L25	28	(Area) CCI-65FP-060100 (H)	35.50 - 38.25	Auto	0.0000
L25	29	(Area) CCI-65FP-060100 (H)	35.50 - 38.25	Auto	0.0000
L25	30	(Area) CCI-65FP-060100 (H)	35.50 - 38.25	Auto	0.0000
L26	25	(Area) CCI-65FP-085125 (H)	31.25 - 33.25	Auto	0.2000
L26	26	(Area) CCI-65FP-085125 (H)	31.25 - 33.25	Auto	0.2000
L26	27	(Area) CCI-65FP-085125 (H)	31.25 - 33.25	Auto	0.2000
L27	25	(Area) CCI-65FP-085125 (H)	31.00 - 31.25	Auto	0.2169
L27	26	(Area) CCI-65FP-085125 (H)	31.00 - 31.25	Auto	0.2169
L27	27	(Area) CCI-65FP-085125 (H)	31.00 - 31.25	Auto	0.2169
L28	25	(Area) CCI-65FP-085125 (H)	26.00 - 31.00	Auto	0.2079
L28	26	(Area) CCI-65FP-085125 (H)	26.00 - 31.00	Auto	0.2079
L28	27	(Area) CCI-65FP-085125 (H)	26.00 - 31.00	Auto	0.2079
L29	25	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	Auto	0.1883
L29	26	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	Auto	0.1883
L29	27	(Area) CCI-65FP-085125 (H)	21.00 - 26.00	Auto	0.1883
L30	25	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	Auto	0.1712
L30	26	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	Auto	0.1712
L30	27	(Area) CCI-65FP-085125 (H)	16.00 - 21.00	Auto	0.1712
L31	25	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	Auto	0.1541
L31	26	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	Auto	0.1541
L31	27	(Area) CCI-65FP-085125 (H)	11.00 - 16.00	Auto	0.1541
L32	25	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	Auto	0.1344
L32	26	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	Auto	0.1344
L32	27	(Area) CCI-65FP-085125 (H)	6.00 - 11.00	Auto	0.1344
L33	25	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	Auto	0.1174
L33	26	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	Auto	0.1174
L33	27	(Area) CCI-65FP-085125 (H)	1.00 - 6.00	Auto	0.1174
L34	25	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	Auto	0.1080
L34	26	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	Auto	0.1080
L34	27	(Area) CCI-65FP-085125 (H)	0.50 - 1.00	Auto	0.1080

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
LLPX310R-V1 w/ Mount Pipe	A	From Centroid-Face	4.0000 0.00 2.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8800 4.2900 4.7200 5.6100	2.3600 2.7300 3.1200 3.9400	0.06 0.09 0.13 0.24
LLPX310R-V1 w/ Mount Pipe	B	From Centroid-Face	4.0000 0.00 2.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8800 4.2900 4.7200 5.6100	2.3600 2.7300 3.1200 3.9400	0.06 0.09 0.13 0.24
LLPX310R-V1 w/ Mount Pipe	C	From Centroid-Face	4.0000 0.00 2.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8800 4.2900 4.7200 5.6100	2.3600 2.7300 3.1200 3.9400	0.06 0.09 0.13 0.24
TIMING 2000	B	From Centroid-Face	4.0000 0.00 2.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.1347 0.1830 0.2388 0.3726	0.1079 0.1518 0.2031 0.3280	0.00 0.00 0.01 0.01
WIMAX DAP HEAD	A	From Centroid-Face	4.0000 0.00 2.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.5467 1.7037 1.8681 2.2193	0.6840 0.7999 0.9228 1.1926	0.03 0.04 0.06 0.09
WIMAX DAP HEAD	B	From Centroid-Face	4.0000 0.00 2.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.5467 1.7037 1.8681 2.2193	0.6840 0.7999 0.9228 1.1926	0.03 0.04 0.06 0.09
WIMAX DAP HEAD	C	From Centroid-Face	4.0000 0.00 2.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.5467 1.7037 1.8681 2.2193	0.6840 0.7999 0.9228 1.1926	0.03 0.04 0.06 0.09
HORIZON COMPACT	B	From Centroid-Face	4.0000 0.00 6.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.7208 0.8278 0.9422 1.1933	0.3720 0.4540 0.5435 0.7446	0.01 0.02 0.03 0.05
HORIZON COMPACT	C	From Centroid-Face	4.0000 0.00 6.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.7208 0.8278 0.9422 1.1933	0.3720 0.4540 0.5435 0.7446	0.01 0.02 0.03 0.05
(3) 2.375" OD x 6' Mount Pipe	A	From Centroid-Face	4.0000 0.00 0.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
(3) 2.375" OD x 6' Mount Pipe	B	From Centroid-Face	4.0000 0.00 0.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
(3) 2.375" OD x 6' Mount Pipe	C	From Centroid-Face	4.0000 0.00 0.00	0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
Platform Mount [LP 1201-1]	C	None		0.000	133.0000	No Ice 1/2" Ice 1" Ice 2" Ice	18.3800 22.1100 25.8700 33.4700	18.3800 22.1100 25.8700 33.4700	2.10 2.65 3.26 4.66
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APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
APXVTM14-C-120 w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
TD-RRH8x20-25	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.7042 3.9462 4.1956 4.7168	1.2939 1.4646 1.6424 2.0188	0.07 0.09 0.12 0.18
TD-RRH8x20-25	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.7042 3.9462 4.1956 4.7168	1.2939 1.4646 1.6424 2.0188	0.07 0.09 0.12 0.18
TD-RRH8x20-25	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.7042 3.9462 4.1956 4.7168	1.2939 1.4646 1.6424 2.0188	0.07 0.09 0.12 0.18
IBC1900HG-2A	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.02 0.03 0.04 0.06
IBC1900HG-2A	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.02 0.03 0.04 0.06
IBC1900HG-2A	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.02 0.03 0.04 0.06
IBC1900BB-1	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.02 0.03 0.04 0.06
IBC1900BB-1	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.02 0.03 0.04 0.06
IBC1900BB-1	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.9660 1.0908 1.2230 1.5097	0.4635 0.5576 0.6599 0.8927	0.02 0.03 0.04 0.06
2.375" OD x 6' Mount Pipe	A	From	4.0000	0.000	124.0000	No Ice	1.4250	1.4250	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.00 0.00			1/2" Ice 1" Ice 2" Ice	1.9250 2.2939 3.0596	1.9250 2.2939 3.0596	0.04 0.05 0.09
2.375" OD x 6' Mount Pipe	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
2.375" OD x 6' Mount Pipe	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
Platform Mount [LP 1201-1]	C	None		0.000	124.0000	No Ice 1/2" Ice 1" Ice 2" Ice	18.3800 22.1100 25.8700 33.4700	18.3800 22.1100 25.8700 33.4700	2.10 2.65 3.26 4.66
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800MHz 2X50W RRH W/FILTER	A	From Leg	1.0000 0.00 -4.00	0.000	122.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0583 2.2398 2.4287 2.8287	1.9317 2.1087 2.2931 2.6843	0.06 0.09 0.11 0.17
800MHz 2X50W RRH W/FILTER	B	From Leg	1.0000 0.00 -4.00	0.000	122.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0583 2.2398 2.4287 2.8287	1.9317 2.1087 2.2931 2.6843	0.06 0.09 0.11 0.17
800MHz 2X50W RRH W/FILTER	C	From Leg	1.0000 0.00 -4.00	0.000	122.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.0583 2.2398 2.4287 2.8287	1.9317 2.1087 2.2931 2.6843	0.06 0.09 0.11 0.17
PCS 1900MHz 4x45W-65MHz	A	From Leg	1.0000 0.00 0.00	0.000	122.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W-65MHz	B	From Leg	1.0000 0.00 0.00	0.000	122.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W-65MHz	C	From Leg	1.0000 0.00 0.00	0.000	122.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.3218 2.5266 2.7388 3.1855	2.2381 2.4407 2.6507 3.0929	0.06 0.08 0.11 0.17
Pipe Mount [PM 601-3]	C	None		0.000	122.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.1700 3.7900 4.4200 5.7600	3.1700 3.7900 4.4200 5.7600	0.20 0.23 0.28 0.40
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BXA-80063/4CFx5 w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9453 5.3243 5.7120 6.5142	3.6158 4.2169 4.8343 6.1053	0.03 0.07 0.12 0.23
BXA-80063/4CFx5 w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9453 5.3243 5.7120 6.5142	3.6158 4.2169 4.8343 6.1053	0.03 0.07 0.12 0.23
BXA-80063/4CFx5 w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9453 5.3243 5.7120 6.5142	3.6158 4.2169 4.8343 6.1053	0.03 0.07 0.12 0.23

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) SBNHH-1D65B w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
(2) SBNHH-1D65B w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
CBRS w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 -1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4500 1.6700 1.9000 2.4200	0.9900 1.1800 1.3900 1.8500	0.03 0.05 0.07 0.12
CBRS w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 -1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4500 1.6700 1.9000 2.4200	0.9900 1.1800 1.3900 1.8500	0.03 0.05 0.07 0.12
CBRS w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 -1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4500 1.6700 1.9000 2.4200	0.9900 1.1800 1.3900 1.8500	0.03 0.05 0.07 0.12
MT6407-77A w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 3.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9069 5.2559 5.6147 6.3615	2.6821 3.1450 3.6241 4.6310	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 3.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9069 5.2559 5.6147 6.3615	2.6821 3.1450 3.6241 4.6310	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 3.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.9069 5.2559 5.6147 6.3615	2.6821 3.1450 3.6241 4.6310	0.10 0.14 0.18 0.29
KS24019-L112A	B	From Centroid-Leg	4.0000 0.00 2.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0815 0.1333 0.1944 0.3500	0.0815 0.1333 0.1944 0.3500	0.01 0.01 0.01 0.02
DB-T1-6Z-8AB-0Z	B	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.8000 5.0704 5.3481 5.9259	2.0000 2.1926 2.3926 2.8148	0.04 0.08 0.12 0.21
(2) RFV01U-D2A	B	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
RFV01U-D2A	C	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
RFV01U-D1A	C	From Centroid-Leg	4.0000 0.00 1.00	0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8750 2.0454 2.2231 2.6009	1.2500 1.3926 1.5426 1.8648	0.08 0.10 0.12 0.18
(2) RFV01U-D1A	A	From	4.0000	0.000	114.0000	No Ice	1.8750	1.2500	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.00 1.00			1/2" Ice 1" Ice 2" Ice	2.0454 2.2231 2.6009	1.3926 1.5426 1.8648	0.10 0.12 0.18
Platform Mount [LP 1201-1_KCKR-HR-1]	C	None		0.000	114.0000	No Ice 1/2" Ice 1" Ice 2" Ice	37.6100 45.6200 53.5900 69.6500	37.6100 45.6200 53.5900 69.6500	2.63 3.48 4.46 6.85
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7770.00 w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.7460 6.1791 6.6067 7.4880	4.2543 5.0137 5.7109 7.1553	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.7460 6.1791 6.6067 7.4880	4.2543 5.0137 5.7109 7.1553	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.7460 6.1791 6.6067 7.4880	4.2543 5.0137 5.7109 7.1553	0.06 0.10 0.16 0.29
OPA-65R-LCUU-H6 w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	9.1900 9.9400 10.7100 12.3000	6.2100 6.9300 7.6600 9.1700	0.11 0.18 0.26 0.45
OPA-65R-LCUU-H6 w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	9.1900 9.9400 10.7100 12.3000	6.2100 6.9300 7.6600 9.1700	0.11 0.18 0.26 0.45
OPA-65R-LCUU-H6 w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	9.1900 9.9400 10.7100 12.3000	6.2100 6.9300 7.6600 9.1700	0.11 0.18 0.26 0.45
80010965 w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	12.2600 13.0300 13.8000 15.4100	5.7900 6.4700 7.1700 8.6000	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	12.2600 13.0300 13.8000 15.4100	5.7900 6.4700 7.1700 8.6000	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	12.2600 13.0300 13.8000 15.4100	5.7900 6.4700 7.1700 8.6000	0.14 0.23 0.33 0.57
QS66512-2 w/ Mount Pipe	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0400 4.4200 4.8200 5.6300	4.1800 4.5700 4.9700 5.7900	0.14 0.21 0.29 0.48
QS66512-2 w/ Mount Pipe	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0400 4.4200 4.8200 5.6300	4.1800 4.5700 4.9700 5.7900	0.14 0.21 0.29 0.48
QS66512-2 w/ Mount Pipe	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0400 4.4200 4.8200 5.6300	4.1800 4.5700 4.9700 5.7900	0.14 0.21 0.29 0.48

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RRUS 4478 B14	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8425 2.0123 2.1895 2.5662	1.0588 1.1969 1.3425 1.6558	0.06 0.08 0.09 0.14
RRUS 4478 B14	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8425 2.0123 2.1895 2.5662	1.0588 1.1969 1.3425 1.6558	0.06 0.08 0.09 0.14
RRUS 4478 B14	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.8425 2.0123 2.1895 2.5662	1.0588 1.1969 1.3425 1.6558	0.06 0.08 0.09 0.14
(3) DC6-48-60-18-8F	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.2117 1.8924 2.1051 2.5703	1.2117 1.8924 2.1051 2.5703	0.03 0.05 0.08 0.14
(2) LGP21401	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1040 1.2388 1.3810 1.6877	0.2070 0.2738 0.3475 0.5208	0.01 0.02 0.03 0.05
(2) LGP21401	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1040 1.2388 1.3810 1.6877	0.2070 0.2738 0.3475 0.5208	0.01 0.02 0.03 0.05
(2) LGP21401	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.1040 1.2388 1.3810 1.6877	0.2070 0.2738 0.3475 0.5208	0.01 0.02 0.03 0.05
(2) TPX-070821	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.4688 0.5585 0.6556 0.8721	0.1009 0.1471 0.2020 0.3340	0.01 0.01 0.02 0.03
(2) TPX-070821	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.4688 0.5585 0.6556 0.8721	0.1009 0.1471 0.2020 0.3340	0.01 0.01 0.02 0.03
(2) TPX-070821	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.4688 0.5585 0.6556 0.8721	0.1009 0.1471 0.2020 0.3340	0.01 0.01 0.02 0.03
RRUS 32	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8571 3.0830 3.3163 3.8052	1.7766 1.9677 2.1658 2.5829	0.06 0.08 0.10 0.16
RRUS 32	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8571 3.0830 3.3163 3.8052	1.7766 1.9677 2.1658 2.5829	0.06 0.08 0.10 0.16
RRUS 32	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.8571 3.0830 3.3163 3.8052	1.7766 1.9677 2.1658 2.5829	0.06 0.08 0.10 0.16
RRUS 4449 B5/B12	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9675 2.1439 2.3278 2.7177	1.4081 1.5637 1.7267 2.0749	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	B	From	4.0000	0.000	105.0000	No Ice	1.9675	1.4081	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.00 0.00			1/2" Ice 1" Ice 2" Ice	2.1439 2.3278 2.7177	1.5637 1.7267 2.0749	0.09 0.11 0.16
RRUS 4449 B5/B12	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.9675 2.1439 2.3278 2.7177	1.4081 1.5637 1.7267 2.0749	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	A	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6390 1.7988 1.9660 2.3227	1.3534 1.5005 1.6549 1.9860	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	B	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6390 1.7988 1.9660 2.3227	1.3534 1.5005 1.6549 1.9860	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	C	From Centroid-Leg	4.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6390 1.7988 1.9660 2.3227	1.3534 1.5005 1.6549 1.9860	0.07 0.09 0.11 0.16
Site Pro 1 F3P-HRK12	C	None		0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	5.3800 7.2200 8.8800 12.2000	4.6400 6.3500 8.1300 11.6900	0.41 0.50 0.59 0.77
Site Pro 1 F3P-12[W]	C	None		0.000	105.0000	No Ice 1/2" Ice 1" Ice 2" Ice	25.5200 31.7400 40.1000 50.4175	25.4100 32.2700 39.6800 52.8533	2.00 2.60 3.41 4.40
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AIR -32 B2A/B66AA	A	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8600 4.2300 4.6100 5.4100	2.5100 2.8600 3.2200 3.9700	0.17 0.22 0.27 0.40
AIR -32 B2A/B66AA	B	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8600 4.2300 4.6100 5.4100	2.5100 2.8600 3.2200 3.9700	0.17 0.22 0.27 0.40
AIR -32 B2A/B66AA	C	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8600 4.2300 4.6100 5.4100	2.5100 2.8600 3.2200 3.9700	0.17 0.22 0.27 0.40
APXVAARR24_43-U-NA20	A	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6700 15.4300 16.2100 17.8100	5.3200 5.9900 6.6800 8.0800	0.15 0.27 0.39 0.66
APXVAARR24_43-U-NA20	B	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6700 15.4300 16.2100 17.8100	5.3200 5.9900 6.6800 8.0800	0.15 0.27 0.39 0.66
APXVAARR24_43-U-NA20	C	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6700 15.4300 16.2100 17.8100	5.3200 5.9900 6.6800 8.0800	0.15 0.27 0.39 0.66
AIR 3246 B66	A	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.3100 7.9000 8.5100 9.7700	4.3000 4.8400 5.4000 6.5600	0.18 0.23 0.30 0.43
AIR 3246 B66	B	From	4.0000	0.000	94.0000	No Ice	7.3100	4.3000	0.18

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Face	0.00 1.00			1/2" Ice 1" Ice 2" Ice	7.9000 8.5100 9.7700	4.8400 5.4000 6.5600	0.23 0.30 0.43
AIR 3246 B66	C	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.3100 7.9000 8.5100 9.7700	4.3000 4.8400 5.4000 6.5600	0.18 0.23 0.30 0.43
RADIO 4449 B12/B71	A	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6433 1.8033 1.9707 2.3278	1.1524 1.2905 1.4361 1.7494	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6433 1.8033 1.9707 2.3278	1.1524 1.2905 1.4361 1.7494	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Centroid-Face	4.0000 0.00 1.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6433 1.8033 1.9707 2.3278	1.1524 1.2905 1.4361 1.7494	0.08 0.09 0.11 0.16
KRY 112 144/1	A	From Centroid-Face	4.0000 0.00 0.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
KRY 112 144/1	B	From Centroid-Face	4.0000 0.00 0.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
KRY 112 144/1	C	From Centroid-Face	4.0000 0.00 0.00	0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
Platform Mount [LP 302-1]	C	None		0.000	94.0000	No Ice 1/2" Ice 1" Ice 2" Ice	26.5600 33.6700 40.3900 53.2300	26.5600 33.6700 40.3900 53.2300	1.71 2.26 2.95 4.70
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Side Arm Mount [SO 701-1]	A	From Leg	2.0000 0.00 0.00	0.000	80.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8500 1.1400 1.4300 2.0100	1.6700 2.3400 3.0100 4.3500	0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	C	From Face	2.0000 0.00 0.00	0.000	80.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8500 1.1400 1.4300 2.0100	1.6700 2.3400 3.0100 4.3500	0.07 0.08 0.09 0.12
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Side Arm Mount [SO 701-1]	A	From Leg	2.0000 0.00 0.00	0.000	77.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.8500 1.1400 1.4300 2.0100	1.6700 2.3400 3.0100 4.3500	0.07 0.08 0.09 0.12
58532A	A	From Leg	4.0000 0.00 0.00	0.000	77.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.1893 0.2483 0.3147 0.4698	0.1893 0.2483 0.3147 0.4698	0.00 0.00 0.01 0.02
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Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral / Vert (ft)	Azimuth Adjustment (°)	3 dB Beam Width (°)	Elevation (ft)	Outside Diameter (ft)		Aperture Area (ft^2)	Weight (K)
VHLP2.5-11	B	Paraboloid w/Shroud (HP)	From Centroid -Face	4.0000 6.00 6.00	-47.000		133.0000	2.9167	No Ice 1/2" Ice 1" Ice 2" Ice	6.6800 7.0700 7.4600 8.2300	0.05 0.08 0.12 0.19
VHLP2.5-11	C	Paraboloid w/Shroud (HP)	From Centroid -Face	4.0000 6.00 6.00	23.000		133.0000	2.9167	No Ice 1/2" Ice 1" Ice 2" Ice	6.6800 7.0700 7.4600 8.2300	0.05 0.08 0.12 0.19

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

Comb. No.	Description
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 Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	145 - 140	18.82	39	1.028	0.003
L2	140 - 135	17.74	39	1.028	0.003
L3	135 - 130	16.67	39	1.027	0.002
L4	130 - 125	15.59	39	1.023	0.002
L5	125 - 120	14.52	39	1.018	0.002
L6	120 - 115	13.46	39	1.009	0.001
L7	115 - 110	12.41	39	0.995	0.001
L8	110 - 105	11.38	39	0.976	0.001
L9	105 - 100	10.37	39	0.951	0.001
L10	100 - 95	9.39	39	0.919	0.001
L11	95 - 90	8.45	39	0.880	0.001
L12	90 - 84.75	7.55	39	0.834	0.001
L13	89.25 - 84.25	7.42	39	0.826	0.001
L14	84.25 - 79.25	6.57	39	0.800	0.000
L15	79.25 - 74.25	5.76	39	0.751	0.000
L16	74.25 - 69.25	5.00	39	0.698	0.000
L17	69.25 - 64.25	4.30	39	0.641	0.000
L18	64.25 - 59.25	3.66	39	0.582	0.000
L19	59.25 - 54.25	3.08	39	0.521	0.000
L20	54.25 - 50.083	2.57	39	0.458	0.000
L21	50.083 - 49.833	2.19	39	0.405	0.000
L22	49.833 - 44.25	2.17	39	0.402	0.000
L23	49.5 - 43.25	2.14	39	0.399	0.000
L24	43.25 - 38.25	1.64	39	0.366	0.000
L25	38.25 - 33.25	1.28	39	0.322	0.000
L26	33.25 - 31.25	0.96	39	0.276	0.000
L27	31.25 - 31	0.85	39	0.257	0.000
L28	31 - 26	0.84	39	0.255	0.000
L29	26 - 21	0.59	39	0.216	0.000
L30	21 - 16	0.39	39	0.175	0.000
L31	16 - 11	0.23	39	0.134	0.000
L32	11 - 6	0.11	39	0.093	0.000
L33	6 - 1	0.03	39	0.051	0.000
L34	1 - 0	0.00	39	0.008	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
139.0000	VHLP2.5-11	39	17.53	1.028	0.005	355408
133.0000	LLPX310R-V1 w/ Mount Pipe	39	16.24	1.026	0.004	84319
124.0000	APXVSPP18-C-A20 w/ Mount Pipe	39	14.31	1.016	0.003	34631
122.0000	800MHz 2X50W RRH W/FILTER	39	13.89	1.013	0.003	28870
114.0000	BXA-80063/4CFx5 w/ Mount Pipe	39	12.21	0.992	0.003	16187
105.0000	7770.00 w/ Mount Pipe	39	10.37	0.951	0.002	10008
94.0000	AIR -32 B2A/B66AA	39	8.27	0.871	0.001	6541
80.0000	Side Arm Mount [SO 701-1]	39	5.88	0.759	0.001	5729
77.0000	Side Arm Mount [SO 701-1]	39	5.41	0.727	0.001	5359

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	145 - 140	87.32	2	4.778	0.014
L2	140 - 135	82.32	2	4.778	0.014
L3	135 - 130	77.33	2	4.773	0.013
L4	130 - 125	72.34	2	4.756	0.011
L5	125 - 120	67.38	2	4.730	0.010
L6	120 - 115	62.45	2	4.688	0.008
L7	115 - 110	57.58	2	4.624	0.007
L8	110 - 105	52.79	2	4.535	0.006
L9	105 - 100	48.11	2	4.417	0.005
L10	100 - 95	43.56	2	4.267	0.004
L11	95 - 90	39.19	2	4.085	0.003
L12	90 - 84.75	35.02	2	3.872	0.003
L13	89.25 - 84.25	34.42	2	3.837	0.003
L14	84.25 - 79.25	30.46	2	3.713	0.002
L15	79.25 - 74.25	26.69	2	3.484	0.002
L16	74.25 - 69.25	23.17	2	3.237	0.002
L17	69.25 - 64.25	19.92	2	2.975	0.001
L18	64.25 - 59.25	16.95	2	2.701	0.001
L19	59.25 - 54.25	14.27	2	2.417	0.001
L20	54.25 - 50.083	11.89	2	2.125	0.001
L21	50.083 - 49.833	10.15	2	1.876	0.001
L22	49.833 - 44.25	10.05	2	1.865	0.001
L23	49.5 - 43.25	9.92	2	1.851	0.001
L24	43.25 - 38.25	7.58	2	1.699	0.001
L25	38.25 - 33.25	5.91	2	1.492	0.001
L26	33.25 - 31.25	4.46	2	1.278	0.000
L27	31.25 - 31	3.94	2	1.191	0.000
L28	31 - 26	3.88	2	1.182	0.000
L29	26 - 21	2.74	2	0.999	0.000
L30	21 - 16	1.79	2	0.810	0.000
L31	16 - 11	1.04	2	0.620	0.000
L32	11 - 6	0.49	2	0.430	0.000
L33	6 - 1	0.15	2	0.234	0.000
L34	1 - 0	0.00	2	0.039	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
139.0000	VHLP2.5-11	2	81.32	4.777	0.022	94365
133.0000	LLPX310R-V1 w/ Mount Pipe	2	75.33	4.768	0.019	20212
124.0000	APXVSPP18-C-A20 w/ Mount Pipe	2	66.39	4.723	0.015	7709
122.0000	800MHz 2X50W RRH W/FILTER	2	64.42	4.707	0.014	6394
114.0000	BXA-80063/4CFx5 w/ Mount Pipe	2	56.62	4.608	0.012	3550
105.0000	7770.00 w/ Mount Pipe	2	48.11	4.417	0.009	2178
94.0000	AIR -32 B2A/B66AA	2	38.34	4.045	0.007	1419
80.0000	Side Arm Mount [SO 701-1]	2	27.24	3.523	0.005	1240
77.0000	Side Arm Mount [SO 701-1]	2	25.08	3.372	0.004	1160

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	145 - 140 (1)	TP24.9233x24x0.1875	5.0000	0.0000	0.0	14.7209	-0.26	861.17	0.000
L2	140 - 135 (2)	TP25.8467x24.9233x0.1875	5.0000	0.0000	0.0	15.2704	-0.59	893.32	0.001
L3	135 - 130 (3)	TP26.77x25.8467x0.1875	5.0000	0.0000	0.0	15.8199	-3.87	925.47	0.004
L4	130 - 125 (4)	TP27.8249x26.9x0.25	5.0000	0.0000	0.0	21.8807	-4.28	1280.02	0.003
L5	125 - 120 (5)	TP28.7497x27.8249x0.25	5.0000	0.0000	0.0	22.6145	-8.76	1322.95	0.007
L6	120 - 115 (6)	TP29.6746x28.7497x0.25	5.0000	0.0000	0.0	23.3484	-9.23	1365.88	0.007
L7	115 - 110 (7)	TP30.5994x29.6746x0.25	5.0000	0.0000	0.0	24.0823	-14.20	1408.81	0.010
L8	110 - 105 (8)	TP31.5243x30.5994x0.25	5.0000	0.0000	0.0	24.8162	-14.77	1451.75	0.010
L9	105 - 100 (9)	TP32.4492x31.5243x0.25	5.0000	0.0000	0.0	25.5500	-20.62	1494.68	0.014
L10	100 - 95 (10)	TP33.374x32.4492x0.25	5.0000	0.0000	0.0	26.2839	-21.34	1537.61	0.014
L11	95 - 90 (11)	TP34.2989x33.374x0.25	5.0000	0.0000	0.0	27.0178	-26.09	1580.54	0.017
L12	90 - 84.75 (12)	TP35.27x34.2989x0.25	5.2500	0.0000	0.0	27.1279	-26.22	1586.98	0.017
L13	84.75 - 84.25 (13)	TP34.8623x33.9376x0.3125	5.0000	0.0000	0.0	34.2691	-27.68	2004.74	0.014
L14	84.25 - 79.25 (14)	TP35.787x34.8623x0.3125	5.0000	0.0000	0.0	35.1863	-28.84	2058.40	0.014
L15	79.25 - 74.25 (15)	TP36.7117x35.787x0.3125	5.0000	0.0000	0.0	36.1035	-29.98	2112.06	0.014
L16	74.25 - 69.25 (16)	TP37.6365x36.7117x0.3125	5.0000	0.0000	0.0	37.0207	-31.07	2165.71	0.014
L17	69.25 - 64.25 (17)	TP38.5612x37.6365x0.3125	5.0000	0.0000	0.0	37.9379	-32.19	2219.37	0.015
L18	64.25 - 59.25 (18)	TP39.4859x38.5612x0.3125	5.0000	0.0000	0.0	38.8551	-33.34	2273.02	0.015
L19	59.25 - 54.25 (19)	TP40.4106x39.4859x0.3125	5.0000	0.0000	0.0	39.7723	-34.51	2326.68	0.015
L20	54.25 - 50.083 (20)	TP41.1812x40.4106x0.3125	4.1670	0.0000	0.0	40.5367	-35.51	2371.40	0.015
L21	50.083 - 49.833 (21)	TP41.2275x41.1812x0.4375	0.2500	0.0000	0.0	56.6420	-35.60	3313.56	0.011
L22	49.833 - 44.25 (22)	TP42.26x41.2275x0.4375	5.5830	0.0000	0.0	56.7275	-35.70	3318.56	0.011
L23	44.25 - 43.25 (23)	TP41.6951x40.6641x0.5	6.2500	0.0000	0.0	65.3766	-39.02	3824.53	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L24	43.25 - 38.25 (24)	TP42.52x41.6951x0.5	5.0000	0.0000	0.0	66.6857	-40.74	3901.11	0.010
L25	38.25 - 33.25 (25)	TP43.3448x42.52x0.4938	5.0000	0.0000	0.0	67.1545	-42.49	3928.54	0.011
L26	33.25 - 31.25 (26)	TP43.6747x43.3448x0.4875	2.0000	0.0000	0.0	66.8247	-43.20	3909.24	0.011
L27	31.25 - 31 (27)	TP43.716x43.6747x0.5875	0.2500	0.0000	0.0	80.4227	-43.31	4704.73	0.009
L28	31 - 26 (28)	TP44.5408x43.716x0.5875	5.0000	0.0000	0.0	81.9608	-45.35	4794.71	0.009
L29	26 - 21 (29)	TP45.3657x44.5408x0.575	5.0000	0.0000	0.0	81.7452	-47.42	4782.09	0.010
L30	21 - 16 (30)	TP46.1905x45.3657x0.575	5.0000	0.0000	0.0	83.2506	-49.51	4870.16	0.010
L31	16 - 11 (31)	TP47.0153x46.1905x0.575	5.0000	0.0000	0.0	84.7560	-51.63	4958.22	0.010
L32	11 - 6 (32)	TP47.8402x47.0153x0.5625	5.0000	0.0000	0.0	84.4084	-53.78	4937.89	0.011
L33	6 - 1 (33)	TP48.665x47.8402x0.5625	5.0000	0.0000	0.0	85.8811	-55.95	5024.04	0.011
L34	1 - 0 (34)	TP48.83x48.665x0.5625	1.0000	0.0000	0.0	86.1756	-56.38	5041.27	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	145 - 140 (1)	TP24.9233x24x0.1875	1.07	505.02	0.002	0.00	505.02	0.000
L2	140 - 135 (2)	TP25.8467x24.9233x0.1875	7.96	536.18	0.015	0.00	536.18	0.000
L3	135 - 130 (3)	TP26.77x25.8467x0.1875	26.05	567.67	0.046	0.00	567.67	0.000
L4	130 - 125 (4)	TP27.8249x26.9x0.25	49.83	885.50	0.056	0.00	885.50	0.000
L5	125 - 120 (5)	TP28.7497x27.8249x0.25	88.14	937.04	0.094	0.00	937.04	0.000
L6	120 - 115 (6)	TP29.6746x28.7497x0.25	135.05	989.38	0.136	0.00	989.38	0.000
L7	115 - 110 (7)	TP30.5994x29.6746x0.25	206.84	1042.47	0.198	0.00	1042.47	0.000
L8	110 - 105 (8)	TP31.5243x30.5994x0.25	282.82	1096.25	0.258	0.00	1096.25	0.000
L9	105 - 100 (9)	TP32.4492x31.5243x0.25	392.54	1150.65	0.341	0.00	1150.65	0.000
L10	100 - 95 (10)	TP33.374x32.4492x0.25	505.09	1205.62	0.419	0.00	1205.62	0.000
L11	95 - 90 (11)	TP34.2989x33.374x0.25	638.66	1261.10	0.506	0.00	1261.10	0.000
L12	90 - 84.75 (12)	TP35.27x34.2989x0.25	659.14	1269.46	0.519	0.00	1269.46	0.000
L13	84.75 - 84.25 (13)	TP34.8623x33.9376x0.3125	797.26	1736.51	0.459	0.00	1736.51	0.000
L14	84.25 - 79.25 (14)	TP35.787x34.8623x0.3125	938.37	1816.99	0.516	0.00	1816.99	0.000
L15	79.25 - 74.25 (15)	TP36.7117x35.787x0.3125	1082.57	1898.49	0.570	0.00	1898.49	0.000
L16	74.25 - 69.25 (16)	TP37.6365x36.7117x0.3125	1228.93	1980.94	0.620	0.00	1980.94	0.000
L17	69.25 - 64.25 (17)	TP38.5612x37.6365x0.3125	1377.53	2064.29	0.667	0.00	2064.29	0.000
L18	64.25 - 59.25 (18)	TP39.4859x38.5612x0.3125	1528.33	2148.47	0.711	0.00	2148.47	0.000
L19	59.25 - 54.25 (19)	TP40.4106x39.4859x0.3125	1681.31	2233.43	0.753	0.00	2233.43	0.000
L20	54.25 - 50.083 (20)	TP41.1812x40.4106x0.3125	1810.45	2304.79	0.786	0.00	2304.79	0.000
L21	50.083 - 49.833 (21)	TP41.2275x41.1812x0.4375	1818.25	3519.74	0.517	0.00	3519.74	0.000
L22	49.833 - 44.25 (22)	TP42.26x41.2275x0.4375	1828.64	3530.43	0.518	0.00	3530.43	0.000
L23	44.25 - 43.25 (23)	TP41.6951x40.6641x0.5	2026.07	4097.14	0.495	0.00	4097.14	0.000
L24	43.25 - 38.25 (24)	TP42.52x41.6951x0.5	2186.86	4263.86	0.513	0.00	4263.86	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L25	38.25 - 33.25 (25)	TP43.3448x42.52x0.4938	2349.86	4380.40	0.536	0.00	4380.40	0.000
L26	33.25 - 31.25 (26)	TP43.6747x43.3448x0.4875	2415.66	4394.09	0.550	0.00	4394.09	0.000
L27	31.25 - 31 (27)	TP43.716x43.6747x0.5875	2423.91	5268.89	0.460	0.00	5268.89	0.000
L28	31 - 26 (28)	TP44.5408x43.716x0.5875	2590.02	5473.73	0.473	0.00	5473.73	0.000
L29	26 - 21 (29)	TP45.3657x44.5408x0.575	2758.21	5566.24	0.496	0.00	5566.24	0.000
L30	21 - 16 (30)	TP46.1905x45.3657x0.575	2928.32	5774.47	0.507	0.00	5774.47	0.000
L31	16 - 11 (31)	TP47.0153x46.1905x0.575	3100.18	5986.51	0.518	0.00	5986.51	0.000
L32	11 - 6 (32)	TP47.8402x47.0153x0.5625	3273.70	6072.36	0.539	0.00	6072.36	0.000
L33	6 - 1 (33)	TP48.665x47.8402x0.5625	3448.82	6287.36	0.549	0.00	6287.36	0.000
L34	1 - 0 (34)	TP48.83x48.665x0.5625	3484.04	6330.81	0.550	0.00	6330.81	0.000

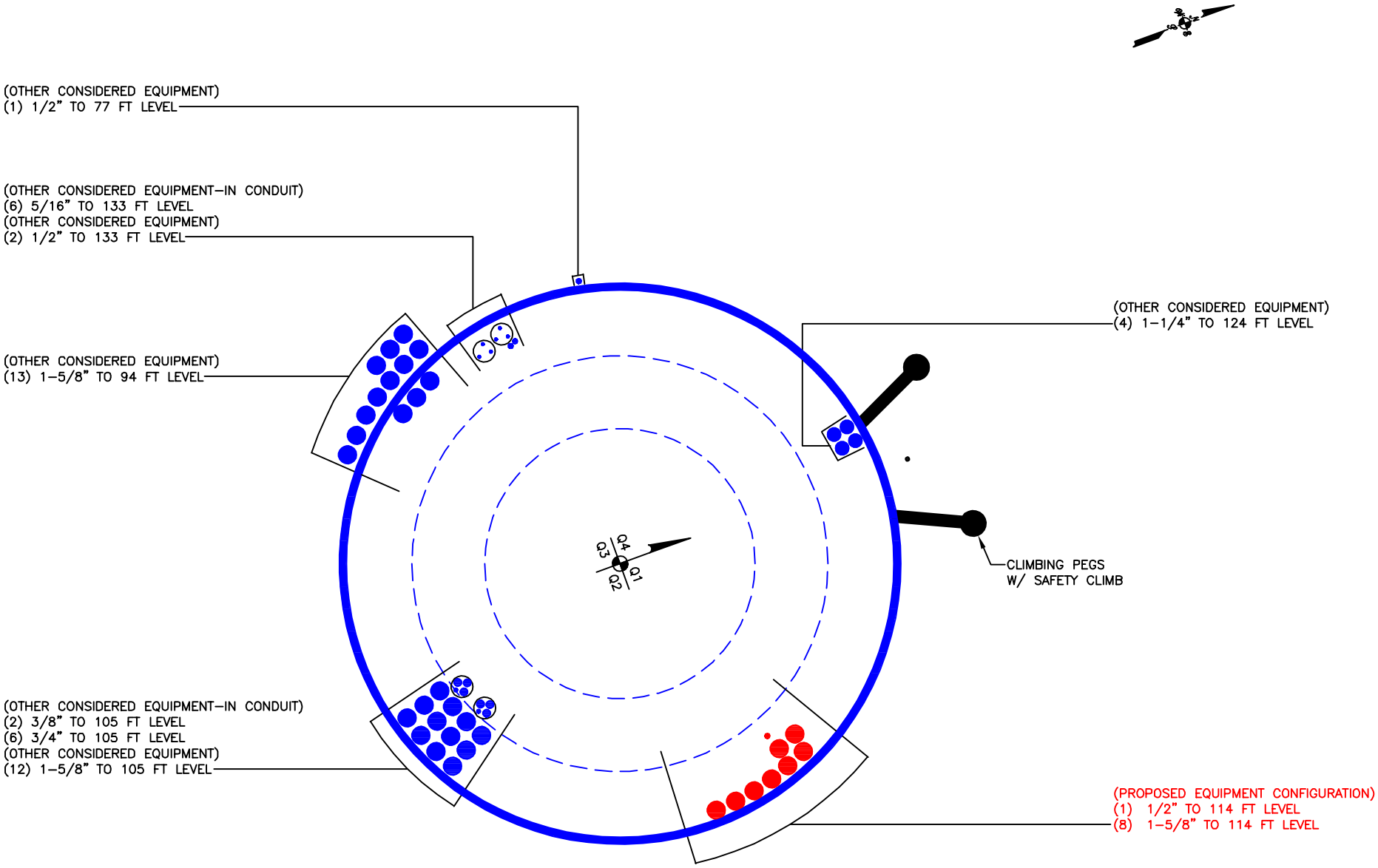
Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	145 - 140 (1)	TP24.9233x24x0.1875	0.43	258.35	0.002	0.00	559.65	0.000
L2	140 - 135 (2)	TP25.8467x24.9233x0.1875	1.68	268.00	0.006	1.29	602.21	0.002
L3	135 - 130 (3)	TP26.77x25.8467x0.1875	4.52	277.64	0.016	2.11	646.33	0.003
L4	130 - 125 (4)	TP27.8249x26.9x0.25	5.00	384.01	0.013	2.11	927.33	0.002
L5	125 - 120 (5)	TP28.7497x27.8249x0.25	9.14	396.88	0.023	2.11	990.57	0.002
L6	120 - 115 (6)	TP29.6746x28.7497x0.25	9.63	409.76	0.024	2.11	1055.91	0.002
L7	115 - 110 (7)	TP30.5994x29.6746x0.25	14.95	422.64	0.035	2.41	1123.33	0.002
L8	110 - 105 (8)	TP31.5243x30.5994x0.25	15.45	435.52	0.035	2.41	1192.83	0.002
L9	105 - 100 (9)	TP32.4492x31.5243x0.25	22.27	448.40	0.050	2.10	1264.43	0.002
L10	100 - 95 (10)	TP33.374x32.4492x0.25	22.76	461.28	0.049	2.10	1338.11	0.002
L11	95 - 90 (11)	TP34.2989x33.374x0.25	27.28	474.16	0.058	2.10	1413.88	0.001
L12	90 - 84.75 (12)	TP35.27x34.2989x0.25	27.35	476.09	0.057	2.10	1425.42	0.001
L13	84.75 - 84.25 (13)	TP34.8623x33.9376x0.3125	27.91	601.42	0.046	2.09	1819.72	0.001
L14	84.25 - 79.25 (14)	TP35.787x34.8623x0.3125	28.52	617.52	0.046	0.67	1918.44	0.000
L15	79.25 - 74.25 (15)	TP36.7117x35.787x0.3125	29.05	633.62	0.046	0.67	2019.76	0.000
L16	74.25 - 69.25 (16)	TP37.6365x36.7117x0.3125	29.50	649.71	0.045	0.67	2123.68	0.000
L17	69.25 - 64.25 (17)	TP38.5612x37.6365x0.3125	29.95	665.81	0.045	0.67	2230.22	0.000
L18	64.25 - 59.25 (18)	TP39.4859x38.5612x0.3125	30.38	681.91	0.045	0.67	2339.36	0.000
L19	59.25 - 54.25 (19)	TP40.4106x39.4859x0.3125	30.82	698.00	0.044	0.67	2451.10	0.000
L20	54.25 - 50.083 (20)	TP41.1812x40.4106x0.3125	31.18	711.42	0.044	0.67	2546.22	0.000
L21	50.083 - 49.833 (21)	TP41.2275x41.1812x0.4375	31.19	994.07	0.031	0.67	3550.98	0.000
L22	49.833 - 44.25 (22)	TP42.26x41.2275x0.4375	31.22	995.57	0.031	0.67	3561.72	0.000
L23	44.25 - 43.25 (23)	TP41.6951x40.6641x0.5	31.93	1147.36	0.028	0.67	4139.28	0.000
L24	43.25 - 38.25 (24)	TP42.52x41.6951x0.5	32.39	1170.33	0.028	0.67	4306.71	0.000
L25	38.25 - 33.25 (25)	TP43.3448x42.52x0.4938	32.82	1178.56	0.028	0.67	4422.77	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L26	33.25 - 31.25 (26)	TP43.6747x43.3448x0.4875	32.99	1172.77	0.028	0.67	4435.57	0.000
L27	31.25 - 31 (27)	TP43.716x43.6747x0.5875	33.00	1411.42	0.023	0.67	5330.89	0.000
L28	31 - 26 (28)	TP44.5408x43.716x0.5875	33.44	1438.41	0.023	0.67	5536.76	0.000
L29	26 - 21 (29)	TP45.3657x44.5408x0.575	33.84	1434.63	0.024	0.67	5627.38	0.000
L30	21 - 16 (30)	TP46.1905x45.3657x0.575	34.21	1461.05	0.023	0.67	5836.56	0.000
L31	16 - 11 (31)	TP47.0153x46.1905x0.575	34.54	1487.47	0.023	0.67	6049.55	0.000
L32	11 - 6 (32)	TP47.8402x47.0153x0.5625	34.87	1481.37	0.024	0.67	6133.37	0.000
L33	6 - 1 (33)	TP48.665x47.8402x0.5625	35.19	1507.21	0.023	0.67	6349.25	0.000
L34	1 - 0 (34)	TP48.83x48.665x0.5625	35.25	1512.38	0.023	0.67	6392.87	0.000

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 77 FT LEVEL
(OTHER CONSIDERED EQUIPMENT–IN CONDUIT)
(6) 5/16" TO 133 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 1/2" TO 133 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(13) 1–5/8" TO 94 FT LEVEL
(OTHER CONSIDERED EQUIPMENT–IN CONDUIT)
(2) 3/8" TO 105 FT LEVEL
(6) 3/4" TO 105 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(12) 1–5/8" TO 105 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(4) 1–1/4" TO 124 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB
Q1
Q2
Q3
Q4
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 1/2" TO 114 FT LEVEL
(8) 1–5/8" TO 114 FT LEVEL

APPENDIX C

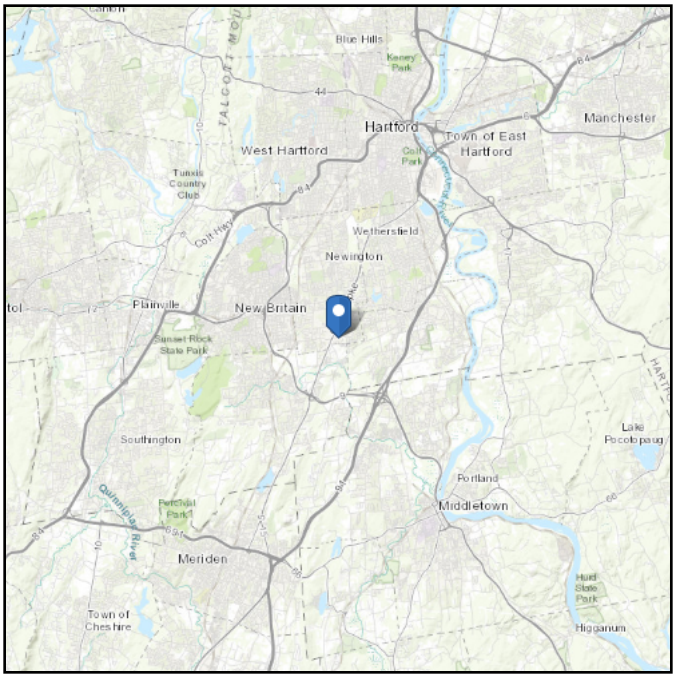
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 141.56 ft (NAVD 88)
Latitude: 41.6552
Longitude: -72.721442



Wind

Results:

Wind Speed:	123 Vmph
10-year MRI	77 Vmph
25-year MRI	87 Vmph
50-year MRI	93 Vmph
100-year MRI	100 Vmph

Windspeed updated per local jurisdiction requirements

Data Source: ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, and Section 26.5.2, incorporating errata of March 12, 2014

Date Accessed: Thu Apr 22 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

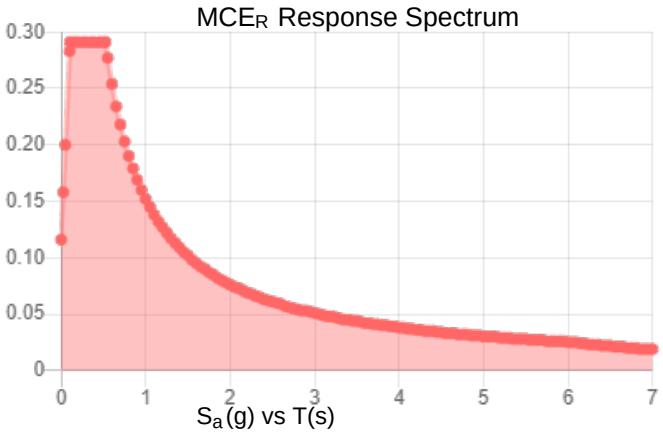
Seismic

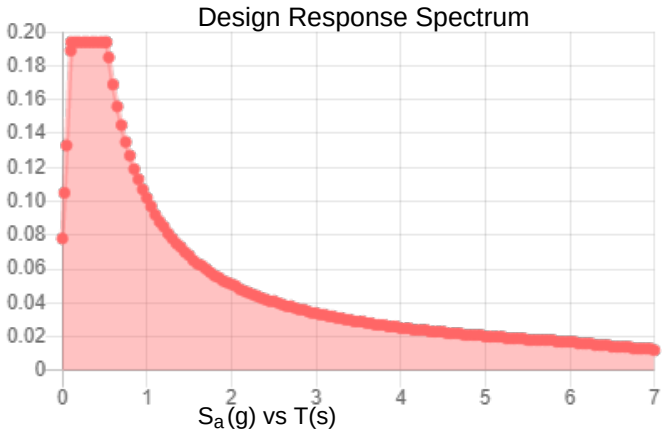
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.182	S_{DS} :	0.194
S_1 :	0.063	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.092
S_{MS} :	0.291	PGA_M :	0.148
S_{M1} :	0.152	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Thu Apr 22 2021

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Thu Apr 22 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.

CCIpole

per TIA-222- H

Site BU: 881364

Work Order: 1953731

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	145	15	0	18	24	26.77	0.1875	Auto	A607-65
2	130	45.25	4.5	18	26.90	35.27	0.25	Auto	A607-65
3	89.25	45	5.25	18	33.94	42.26	0.3125	Auto	A607-65
4	49.5	49.5	0	18	40.66	48.83	0.375	Auto	A607-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	31.25	plate	CCI-AFP-085125	3			x						x					x				
2	31.25	50.083	plate	CCI-AFP-060100	3			x						x					x				
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
2	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	145 - 140	5		18	24.000	24.923	0.1875	A607-65	1.000
2	140 - 135	5		18	24.923	25.847	0.1875	A607-65	1.000
3	135 - 130	5	0	18	25.847	26.770	0.1875	A607-65	1.000
4	130 - 125	5		18	26.900	27.825	0.25	A607-65	1.000
5	125 - 120	5		18	27.825	28.750	0.25	A607-65	1.000
6	120 - 115	5		18	28.750	29.675	0.25	A607-65	1.000
7	115 - 110	5		18	29.675	30.599	0.25	A607-65	1.000
8	110 - 105	5		18	30.599	31.524	0.25	A607-65	1.000
9	105 - 100	5		18	31.524	32.449	0.25	A607-65	1.000
10	100 - 95	5		18	32.449	33.374	0.25	A607-65	1.000
11	95 - 90	5		18	33.374	34.299	0.25	A607-65	1.000
12	90 - 89.25	5.25	4.5	18	34.299	35.270	0.25	A607-65	1.000
13	89.25 - 84.25	5		18	33.938	34.862	0.3125	A607-65	1.000
14	84.25 - 79.25	5		18	34.862	35.787	0.3125	A607-65	1.000
15	79.25 - 74.25	5		18	35.787	36.712	0.3125	A607-65	1.000
16	74.25 - 69.25	5		18	36.712	37.636	0.3125	A607-65	1.000
17	69.25 - 64.25	5		18	37.636	38.561	0.3125	A607-65	1.000
18	64.25 - 59.25	5		18	38.561	39.486	0.3125	A607-65	1.000
19	59.25 - 54.25	5		18	39.486	40.411	0.3125	A607-65	1.000
20	54.25 - 50.083	4.167		18	40.411	41.181	0.3125	A607-65	1.000
21	50.083 - 49.833	0.25		18	41.181	41.227	0.4375	A607-65	1.034
22	49.833 - 49.5	5.583	5.25	18	41.227	42.260	0.4375	A607-65	1.034
23	49.5 - 43.25	6.25		18	40.664	41.695	0.5	A607-65	1.028
24	43.25 - 38.25	5		18	41.695	42.520	0.5	A607-65	1.022
25	38.25 - 33.25	5		18	42.520	43.345	0.49375	A607-65	1.030
26	33.25 - 31.25	2		18	43.345	43.675	0.4875	A607-65	1.041
27	31.25 - 31	0.25		18	43.675	43.716	0.5875	A607-65	1.038
28	31 - 26	5		18	43.716	44.541	0.5875	A607-65	1.030
29	26 - 21	5		18	44.541	45.366	0.575	A607-65	1.045
30	21 - 16	5		18	45.366	46.191	0.575	A607-65	1.038
31	16 - 11	5		18	46.191	47.015	0.575	A607-65	1.031
32	11 - 6	5		18	47.015	47.840	0.5625	A607-65	1.047
33	6 - 1	5		18	47.840	48.665	0.5625	A607-65	1.040
34	1 - 0	1		18	48.665	48.830	0.5625	A607-65	1.039

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	145 - 140	0.26	1.07	0.43
2	140 - 135	0.59	7.96	1.68
3	135 - 130	3.87	26.05	4.52
4	130 - 125	4.28	49.83	5.00
5	125 - 120	8.76	88.14	9.14
6	120 - 115	9.23	135.05	9.63
7	115 - 110	14.20	206.84	14.95
8	110 - 105	14.77	282.82	15.45
9	105 - 100	20.62	392.54	22.27
10	100 - 95	21.34	505.09	22.76
11	95 - 90	26.09	638.66	27.28
12	90 - 89.25	26.22	659.14	27.35
13	89.25 - 84.25	27.67	797.36	27.94
14	84.25 - 79.25	28.84	938.36	28.52
15	79.25 - 74.25	29.98	1082.56	29.05
16	74.25 - 69.25	31.07	1228.92	29.50
17	69.25 - 64.25	32.19	1377.53	29.95
18	64.25 - 59.25	33.34	1528.33	30.38
19	59.25 - 54.25	34.51	1681.31	30.82
20	54.25 - 50.083	35.51	1810.45	31.18
21	50.083 - 49.833	35.60	1818.25	31.19
22	49.833 - 49.5	35.70	1828.64	31.22
23	49.5 - 43.25	39.02	2026.07	31.93
24	43.25 - 38.25	40.74	2186.86	32.39
25	38.25 - 33.25	42.49	2349.86	32.82
26	33.25 - 31.25	43.20	2415.66	32.99
27	31.25 - 31	43.31	2423.91	33.00
28	31 - 26	45.35	2590.02	33.44
29	26 - 21	47.42	2758.21	33.84
30	21 - 16	49.51	2928.31	34.21
31	16 - 11	51.63	3100.18	34.54
32	11 - 6	53.78	3273.70	34.87
33	6 - 1	55.95	3448.83	35.19
34	1 - 0	56.38	3484.04	35.25

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
145 - 140	Pole	TP24.923x24x0.1875	Pole	0.2%	Pass
140 - 135	Pole	TP25.847x24.923x0.1875	Pole	1.5%	Pass
135 - 130	Pole	TP26.77x25.847x0.1875	Pole	4.8%	Pass
130 - 125	Pole	TP27.825x26.9x0.25	Pole	5.7%	Pass
125 - 120	Pole	TP28.75x27.825x0.25	Pole	9.6%	Pass
120 - 115	Pole	TP29.675x28.75x0.25	Pole	13.7%	Pass
115 - 110	Pole	TP30.599x29.675x0.25	Pole	20.0%	Pass
110 - 105	Pole	TP31.524x30.599x0.25	Pole	25.7%	Pass
105 - 100	Pole	TP32.449x31.524x0.25	Pole	34.0%	Pass
100 - 95	Pole	TP33.374x32.449x0.25	Pole	41.5%	Pass
95 - 90	Pole	TP34.299x33.374x0.25	Pole	50.1%	Pass
90 - 89.25	Pole	TP35.27x34.299x0.25	Pole	51.4%	Pass
89.25 - 84.25	Pole	TP34.862x33.938x0.3125	Pole	45.3%	Pass
84.25 - 79.25	Pole	TP35.787x34.862x0.3125	Pole	50.7%	Pass
79.25 - 74.25	Pole	TP36.712x35.787x0.3125	Pole	55.9%	Pass
74.25 - 69.25	Pole	TP37.636x36.712x0.3125	Pole	60.7%	Pass
69.25 - 64.25	Pole	TP38.561x37.636x0.3125	Pole	65.1%	Pass
64.25 - 59.25	Pole	TP39.486x38.561x0.3125	Pole	69.3%	Pass
59.25 - 54.25	Pole	TP40.411x39.486x0.3125	Pole	73.3%	Pass
54.25 - 50.08	Pole	TP41.181x40.411x0.3125	Pole	76.4%	Pass
50.08 - 49.83	Pole + Reinf.	TP41.227x41.181x0.4375	Reinf. 2 Tension Rupture	75.9%	Pass
49.83 - 49.5	Pole + Reinf.	TP42.26x41.227x0.4375	Reinf. 2 Tension Rupture	76.2%	Pass
49.5 - 43.25	Pole + Reinf.	TP41.695x40.664x0.5	Reinf. 2 Tension Rupture	73.0%	Pass
43.25 - 38.25	Pole + Reinf.	TP42.52x41.695x0.5	Reinf. 2 Tension Rupture	76.1%	Pass
38.25 - 33.25	Pole + Reinf.	TP43.345x42.52x0.4938	Reinf. 2 Tension Rupture	79.0%	Pass
33.25 - 31.25	Pole + Reinf.	TP43.675x43.345x0.4875	Reinf. 2 Tension Rupture	80.2%	Pass
31.25 - 31	Pole + Reinf.	TP43.716x43.675x0.5875	Reinf. 1 Compression	62.5%	Pass
31 - 26	Pole + Reinf.	TP44.541x43.716x0.5875	Reinf. 1 Compression	64.7%	Pass
26 - 21	Pole + Reinf.	TP45.366x44.541x0.575	Reinf. 1 Compression	66.9%	Pass
21 - 16	Pole + Reinf.	TP46.191x45.366x0.575	Reinf. 1 Compression	68.9%	Pass
16 - 11	Pole + Reinf.	TP47.015x46.191x0.575	Reinf. 1 Compression	70.9%	Pass
11 - 6	Pole + Reinf.	TP47.84x47.015x0.5625	Reinf. 1 Compression	72.7%	Pass
6 - 1	Pole + Reinf.	TP48.665x47.84x0.5625	Reinf. 1 Compression	74.4%	Pass
1 - 0	Pole + Reinf.	TP48.83x48.665x0.5625	Reinf. 1 Compression	74.8%	Pass
				Summary	
			Pole	76.4%	Pass
			Reinforcement	80.2%	Pass
			Overall	80.2%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*		
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2
145 - 140	1138	n/a	1138	14.72	n/a	14.72	0.2%		
140 - 135	1270	n/a	1270	15.27	n/a	15.27	1.5%		
135 - 130	1412	n/a	1412	15.82	n/a	15.82	4.8%		
130 - 125	2101	n/a	2101	21.88	n/a	21.88	5.7%		
125 - 120	2320	n/a	2320	22.61	n/a	22.61	9.6%		
120 - 115	2553	n/a	2553	23.35	n/a	23.35	13.7%		
115 - 110	2801	n/a	2801	24.08	n/a	24.08	20.0%		
110 - 105	3065	n/a	3065	24.82	n/a	24.82	25.7%		
105 - 100	3346	n/a	3346	25.55	n/a	25.55	34.0%		
100 - 95	3642	n/a	3642	26.28	n/a	26.28	41.5%		
95 - 90	3956	n/a	3956	27.02	n/a	27.02	50.1%		
90 - 89.25	4004	n/a	4004	27.13	n/a	27.13	51.4%		
89.25 - 84.25	5166	n/a	5166	34.27	n/a	34.27	45.3%		
84.25 - 79.25	5592	n/a	5592	35.19	n/a	35.19	50.7%		
79.25 - 74.25	6041	n/a	6041	36.10	n/a	36.10	55.9%		
74.25 - 69.25	6513	n/a	6513	37.02	n/a	37.02	60.7%		
69.25 - 64.25	7010	n/a	7010	37.94	n/a	37.94	65.1%		
64.25 - 59.25	7530	n/a	7530	38.85	n/a	38.85	69.3%		
59.25 - 54.25	8076	n/a	8076	39.77	n/a	39.77	73.3%		
54.25 - 50.08	8551	n/a	8551	40.54	n/a	40.54	76.4%		
50.08 - 49.83	8599	3298	11896	40.58	18.00	58.58	56.8%		75.9%
49.83 - 49.5	8638	3307	11945	40.64	18.00	58.64	57.0%		76.2%
49.5 - 43.25	10623	3375	13998	49.18	18.00	67.18	51.3%		73.0%
43.25 - 38.25	11271	3506	14777	50.16	18.00	68.16	53.7%		76.1%
38.25 - 33.25	11945	3640	15585	51.14	18.00	69.14	56.1%		79.0%
33.25 - 31.25	12222	3694	15916	51.54	18.00	69.54	57.0%		80.2%
31.25 - 31	12280	6654	18934	51.58	31.88	83.46	48.7%	62.5%	
31 - 26	12994	6897	19890	52.57	31.88	84.44	50.7%	64.7%	
26 - 21	13734	7145	20879	53.55	31.88	85.42	52.7%	66.9%	
21 - 16	14502	7397	21899	54.53	31.88	86.40	54.6%	68.9%	
16 - 11	15299	7653	22952	55.51	31.88	87.39	56.5%	70.9%	
11 - 6	16124	7914	24038	56.49	31.88	88.37	58.3%	72.7%	
6 - 1	16978	8179	25157	57.48	31.88	89.35	60.0%	74.4%	
1 - 0	17152	8233	25385	57.67	31.88	89.55	60.3%	74.8%	

Note: Section capacity checked assuming all reinforcements are effective and using 5 degree increments.
Rating per TIA-222-H Section 15.5.

Monopole Flange Plate Connection

Elevation = 130 ft.

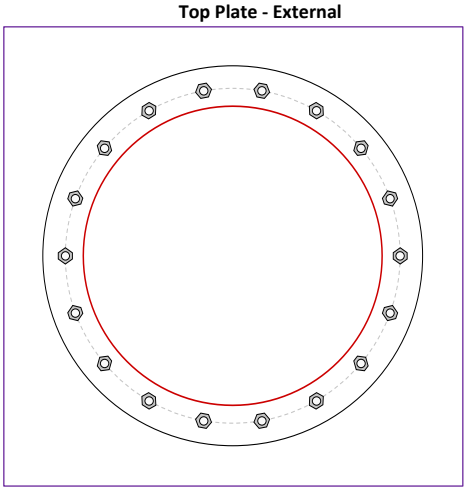
BU #	881364
Site Name	Newington
Order #	552672 Rev. 0

TIA-222 Revision	H

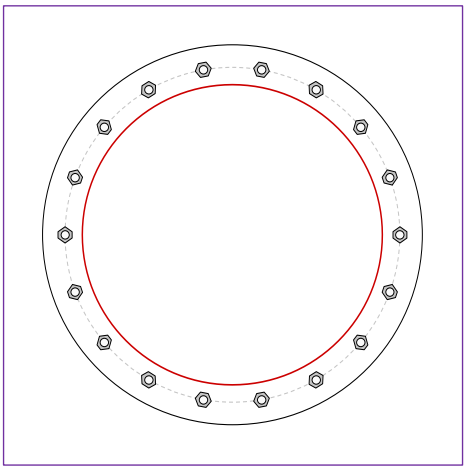
Applied Loads	
Moment (kip-ft)	26.05
Axial Force (kips)	3.87
Shear Force (kips)	4.52

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(18) 3/4" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 30" BC

Top Plate Data

34" OD x 1.5" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Bottom Plate Data

34" OD x 1.5" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

26.77" x 0.1875" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Bottom Pole Data

26.9" x 0.25" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	2.10	
Allowable (kips)	30.06	
Stress Rating:	**6.7%**	Pass

Top Plate Capacity

Max Stress (ksi):	0.98	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**2.1%**	Pass
Tension Side Stress Rating:	**0.9%**	Pass

Bottom Plate Capacity

Max Stress (ksi):	0.94	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**2.0%**	Pass
Tension Side Stress Rating:	**0.8%**	Pass

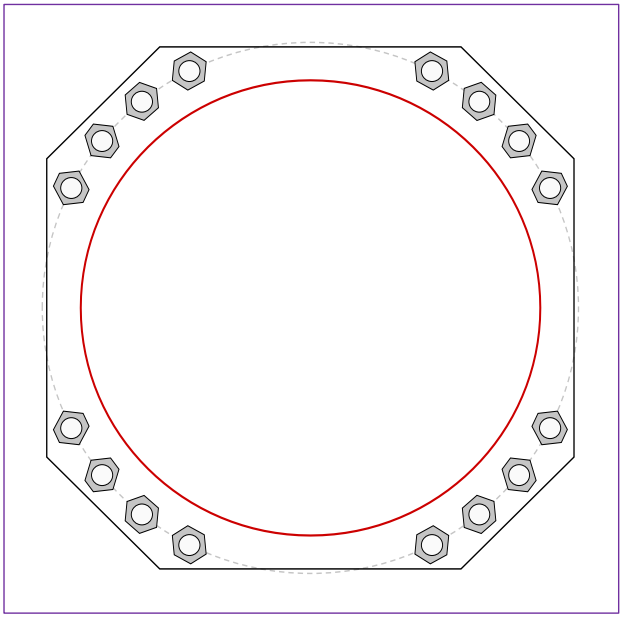
Monopole Base Plate Connection

Site Info	
BU #	881364
Site Name	Newington
Order #	552672 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.375

Applied Loads	
Moment (kip-ft)	3484.04
Axial Force (kips)	56.38
Shear Force (kips)	35.25

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 57" BC

Anchor Spacing: 6 in

Base Plate Data

56" W x 3" Plate (A572-50; Fy=50 ksi, Fu=65 ksi); Clip: 12 in

Stiffener Data

N/A

Pole Data

48.83" x 0.375" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 179.73	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.2	ϕVn = 149.1	**70.2%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	35.24	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**74.6%**	**Pass**

Drilled Pier Foundation

BU # :	881364
Site Name:	Newington
Order Number:	552672 Rev. 0

Report File:

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	3484	
Axial Force (kips)	56	
Shear Force (kips)	35	

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

Pier Design Data		
Depth	25	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 25' below grade		
Pier Diameter	7	ft
Rebar Quantity	28	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	18	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	6.09	-
Soil Safety Factor	2.53	-
Max Moment (kip-ft)	3692.05	-
Rating*	*50.1%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	349.66	-
End Bearing (kips)	346.36	-
Weight of Concrete (kips)	133.40	-
Total Capacity (kips)	696.02	-
Axial (kips)	189.40	-
Rating*	*25.9%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	6.01	-
Critical Moment (kip-ft)	3691.97	-
Critical Moment Capacity	6700.65	-
Rating*	*52.5%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	17.45	-
Critical Shear (kip)	393.16	-
Critical Shear Capacity	566.66	-
Rating*	*66.1%*	-

Soil Interaction Rating*	**50.1%**
Structural Foundation Rating*	**66.1%**

*Rating per TIA-222-H Section 15.5

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

Go to Soil Calculations

Soil Profile

Groundwater Depth	10	# of Layers	5

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	125	150	0		0.000	0.000	0.00	0.00			Cohesionless
2	3.5	10	6.5	125	150		34	0.000	0.000	0.80	0.80			Cohesionless
3	10	12	2	65	87.6		34	0.000	0.000	0.80	0.80			Cohesionless
4	12	15	3	65	87.6		30	0.000	0.000	0.80	0.80			Cohesionless
5	15	25	10	65	87.6		30	0.000	0.000	1.20	1.20	12		Cohesionless

Exhibit E

Mount Analysis

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10037902
Maser Consulting Connecticut Project #: 21777016A

March 10, 2021

Site Information	*Site ID:*	*468297-VZW / Newington 2 - CT*
	Site Name:	*Newington 2 - CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*123 Costello Rd* *Newington, Connecticut 06111* *Hartford County*
	Latitude:	*41.655197°*
	Longitude:	*-72.721904°*
Structure Information	*Tower Type:*	*Self Support*
	Mount Type:	*14.17-Ft Platform*

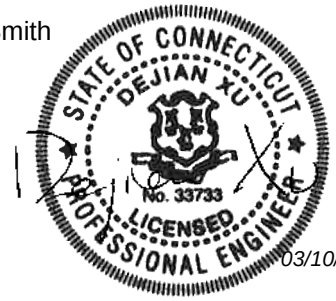
FUZE ID # 16231999

Analysis Results

Platform: **58.3% Pass**

******Contractor PMI Requirements***:
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Garrett Smith



03/10/2021

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 324494, dated September 2, 2020*
Mount Mapping Report	*Structural Components, Site ID: 16231999, dated February 23, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.995
Seismic Parameters:	S_S:	0.198
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	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
113.00	116.50	3	-	VZS01	Added
	115.00	6	Andrew	SBNHH-1D65B	Retained
		3	Antel	BXA-80063/4CF 5	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RRFDC-3315-PF-48	
		1	-	GPS	
	113.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Added

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
    - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
    - HSS (Rectangular) — ASTM 500 (Gr. B-46)
    - Pipe — ASTM A53 (Gr. B-35)
    - Threaded Rod — F1554 (Gr. 36)
    - Bolts — ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Antenna Pipe	*45.3%*	*Pass*
Support Rail Angle	*55.6%*	*Pass*
Support Rail	*38.9%*	*Pass*
Kicker	*12.4%*	*Pass*
Standoff Horizontal	*26.6%*	*Pass*
Face Horizontal	*58.3%*	*Pass*
Inner Face Horizontal	*24.9%*	*Pass*
Platform Connection Angle	*46.9%*	*Pass*
Connection Check	*36.3%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**58.3%**

Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

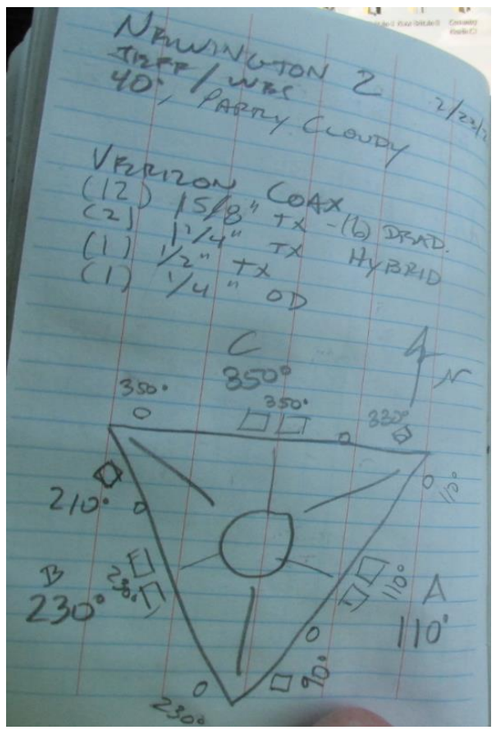
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams

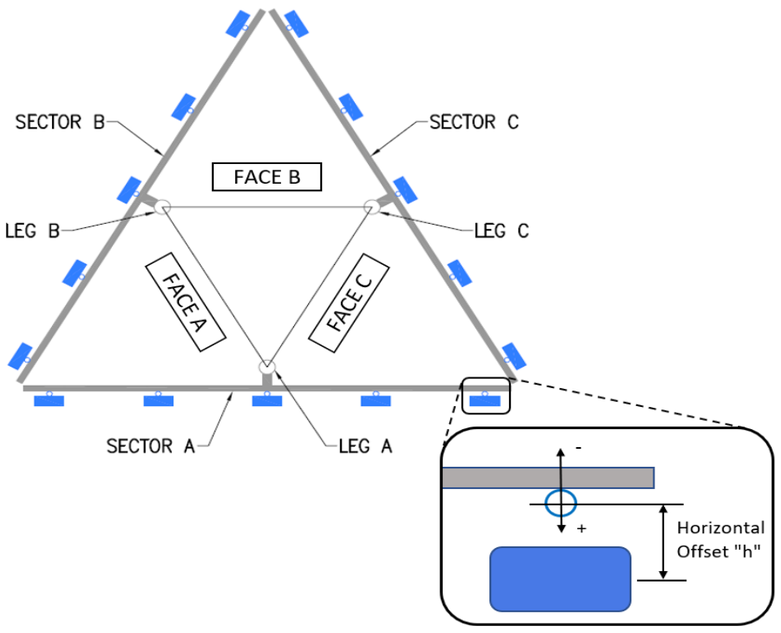
V3.0 Updated on 8-31-2020

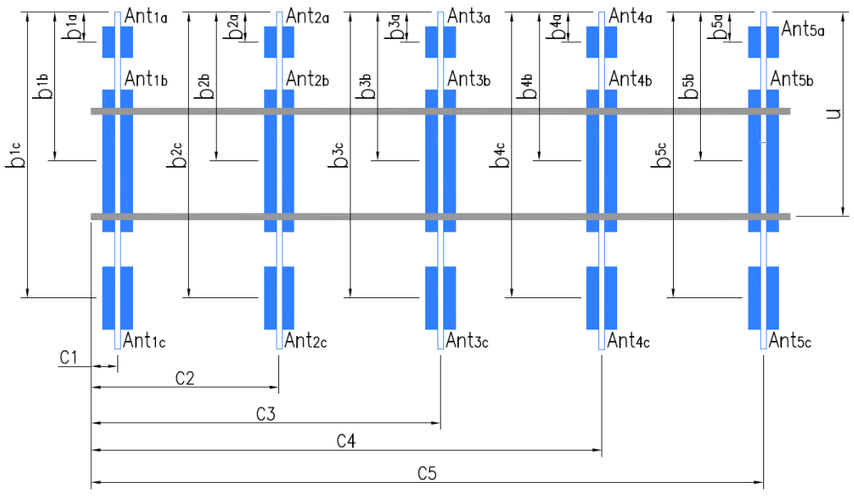
Antenna Mount Mapping Form (PATENT PENDING)

FCC #	

Tower Owner:	Crown Castle	**Mapping Date:**	Platform
Site Name:	Newington 2	**Tower Type:**	Monopole
Site Number or ID:	16231999	**Tower Height (Ft.):**	
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	115







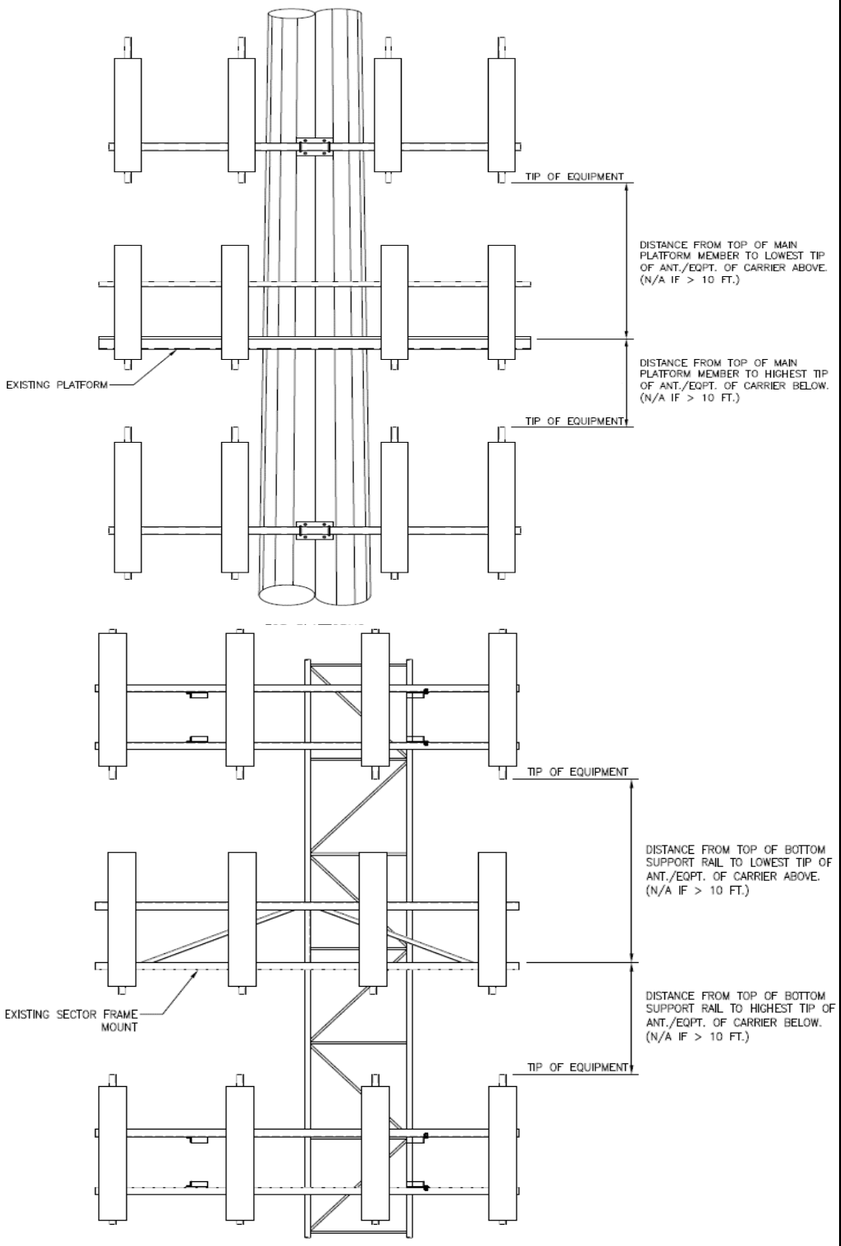
Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.378" x 0.154" x 72"	47.00	10.00	C1	2.378" x 0.154" x 72"	47.00	16.00
A2	2.378" x 0.154" x 72"	47.00	74.00	C2	2.378" x 0.154" x 72"	47.00	83.00
A3	2.378" x 0.154" x 72" (Empty)	47.00	125.00	C3	2.378" x 0.154" x 72" (Empty)	47.00	132.00
A4	2.378" x 0.154" x 72"	47.00	151.00	C4	2.378" x 0.154" x 72"	47.00	156.00
A5				C5			
A6				C6			
B1	2.378" x 0.154" x 72"	47.00	10.00	D1			
B2	2.378" x 0.154" x 72"	47.00	75.00	D2			
B3	2.378" x 0.154" x 72" (Empty)	47.00	127.00	D3			
B4	2.378" x 0.154" x 72"	47.00	151.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							6
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							1.92
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.):				20

	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}	Amphenol BXA17106	6.00	4.00	48.00	DEAD	116.083	34.00	8.00	100.00	222
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	(2) Commscope SBNH	12.00	7.00	73.00	Jumper	114.333	55.00	8.00	100.00	229
Ant_{2b}	(2) Samsung RFV01U-	15.50	12.00	15.50	Jumper	116.667	27.00	0.00	100.00	229
Ant_{2c}										
Ant_{3a}	Empty Pipe									254
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Amphenol BXA80063/	11.00	5.00	48.00	2) 1-5/8 T	116.167	33.00	13.50	90.00	255
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	Raycap RRFDC-3315-F	14.50	10.00	19.00	1/4" TX H	118.00	36.00	24.00	100.00	271
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	110.00	Deg	Leg A:		Deg
Sector B:	230.00	Deg	Leg B:		Deg
Sector C:	350.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	0.00	Deg	
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was obstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}	Amphenol BXA17106	6.00	4.00	48.00	DEAD	115.583	40.00	8.00	220.00	282
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	(2) Commscope SBNH	12.00	7.00	73.00	Jumper	114.333	55.00	8.00	220.00	287
Ant_{2b}	(2) Samsung RFV01U-	15.50	12.00	15.50	Jumper	116.667	27.00	0.00	220.00	287
Ant_{2c}	GPS Antenna	3.00	3.00	5.00	1/2" TX	113.667	63.00	3.00	220.00	287
Ant_{3a}	Empty Pipe									300
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Amphenol BXA80063/	11.00	5.00	48.00	(2) 1-5/8	116.167	33.00	13.50	210.00	300
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	Raycap RRFDC-3315-F	14.50	10.00	19.00	1/4" TX H	119.54	54.50	0.00	230.00	275
Ant on Tower										
Sector C										
Ant_{1a}	Amphenol BXA17106	6.00	4.00	48.00	DEAD	116.083	34.00	8.00	340.00	308
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	(2) Commscope SBNH	12.00	7.00	73.00	Jumper	114.333	55.00	8.00	340.00	309
Ant_{2b}	(2) Samsung RFV01U-	15.50	12.00	15.50	Jumper	116.667	27.00	0.00	340.00	309
Ant_{2c}										
Ant_{3a}	Empty Pipe									318
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Amphenol BXA80063/	11.00	5.00	48.00	(2) 1-5/8	116.167	33.00	13.50	330.00	317
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
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	Safety climb cable is rubbing on the Verizon sector mount at 115'.	104
2	Strut connection is crooked on beta / gamma corner.	305, 306
3	(6) DEAD 1-5/8" TX run to the Verizon sector mount and are cut just past the jumper.	136-138
4		
5		
6		
7		
8		

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

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

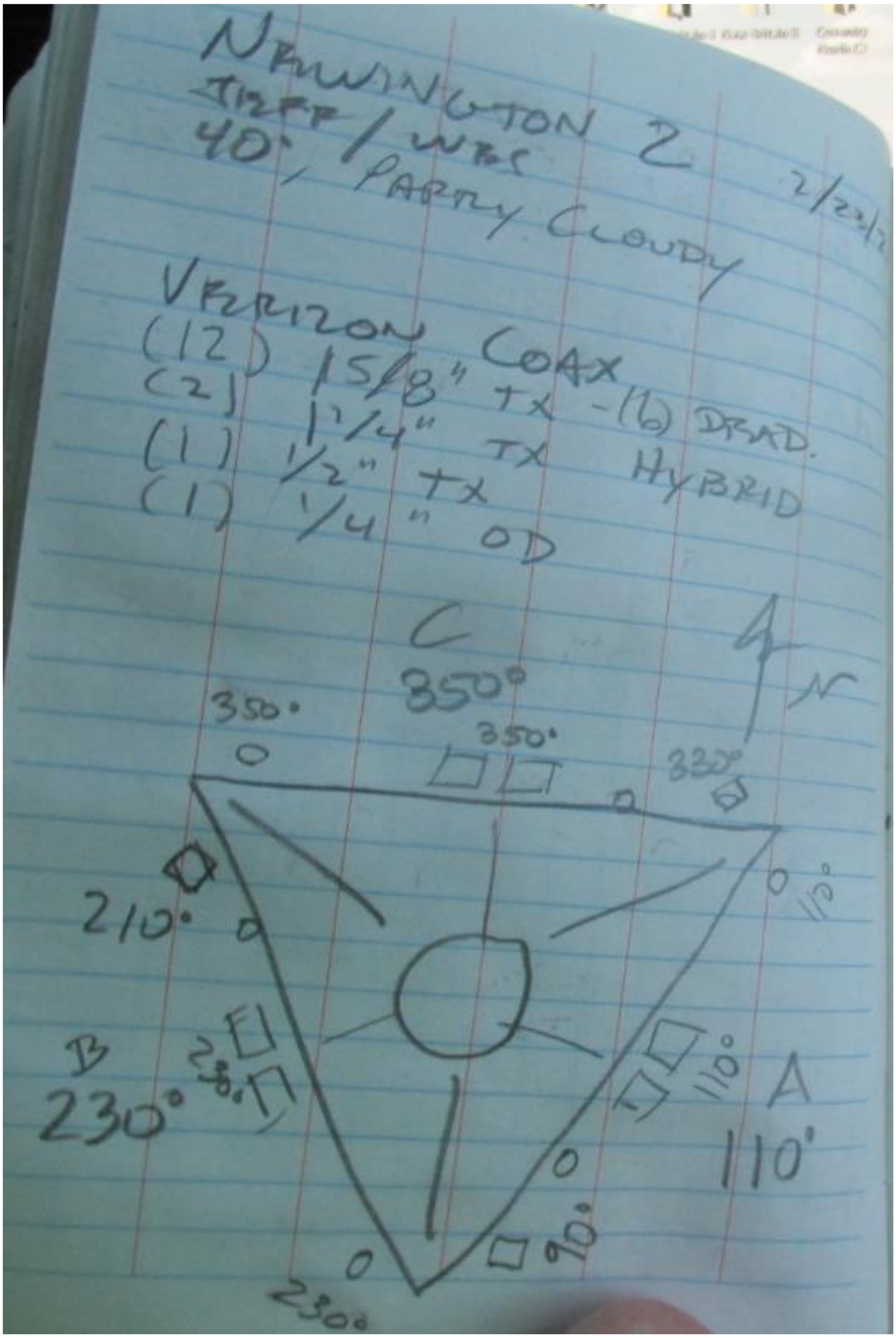
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

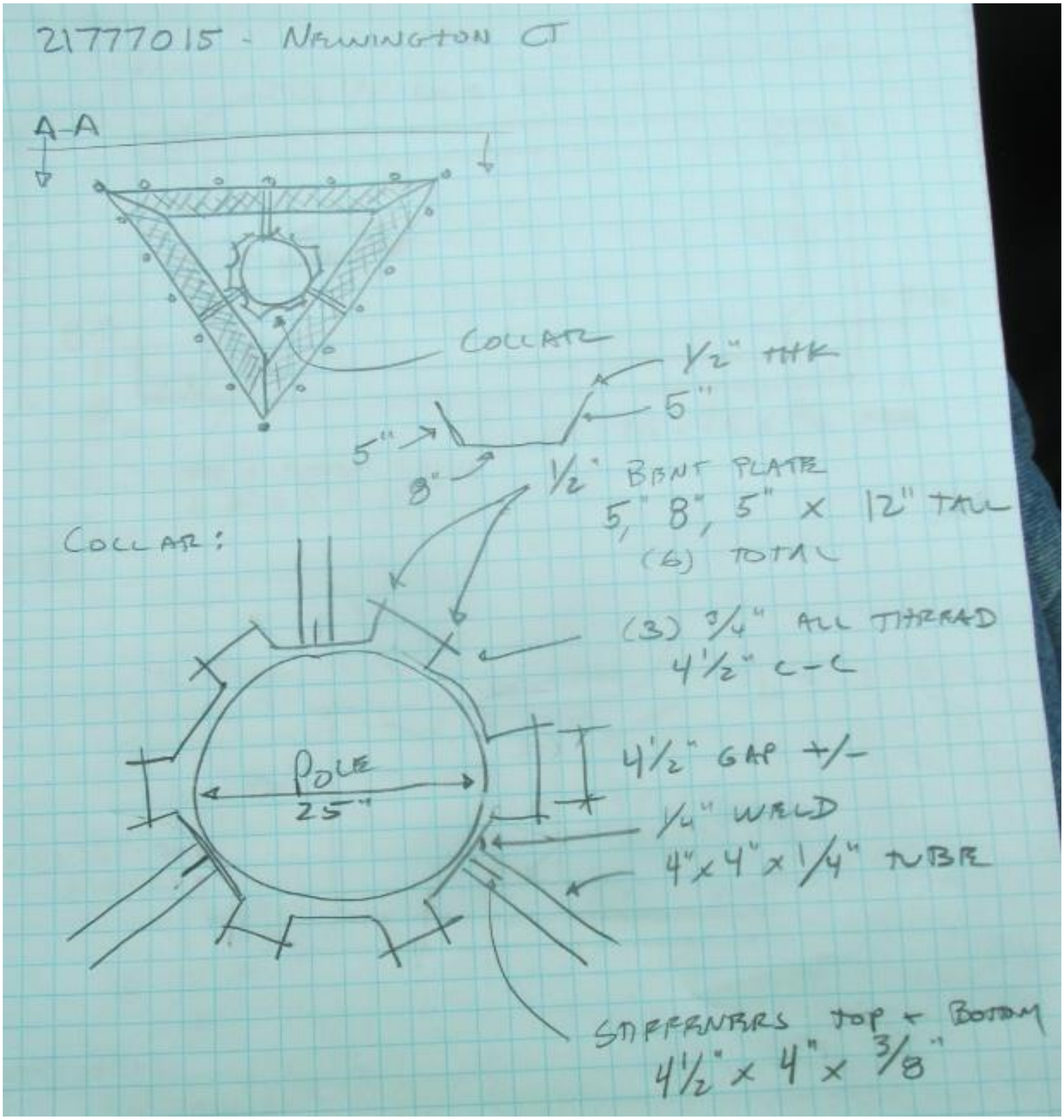
Tower Owner:	Crown Castle	**Mapping Date:**	Platform
Site Name:	Newington 2	**Tower Type:**	Monopole
Site Number or ID:	16231999	**Tower Height (Ft.):**	
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	115

FCC #

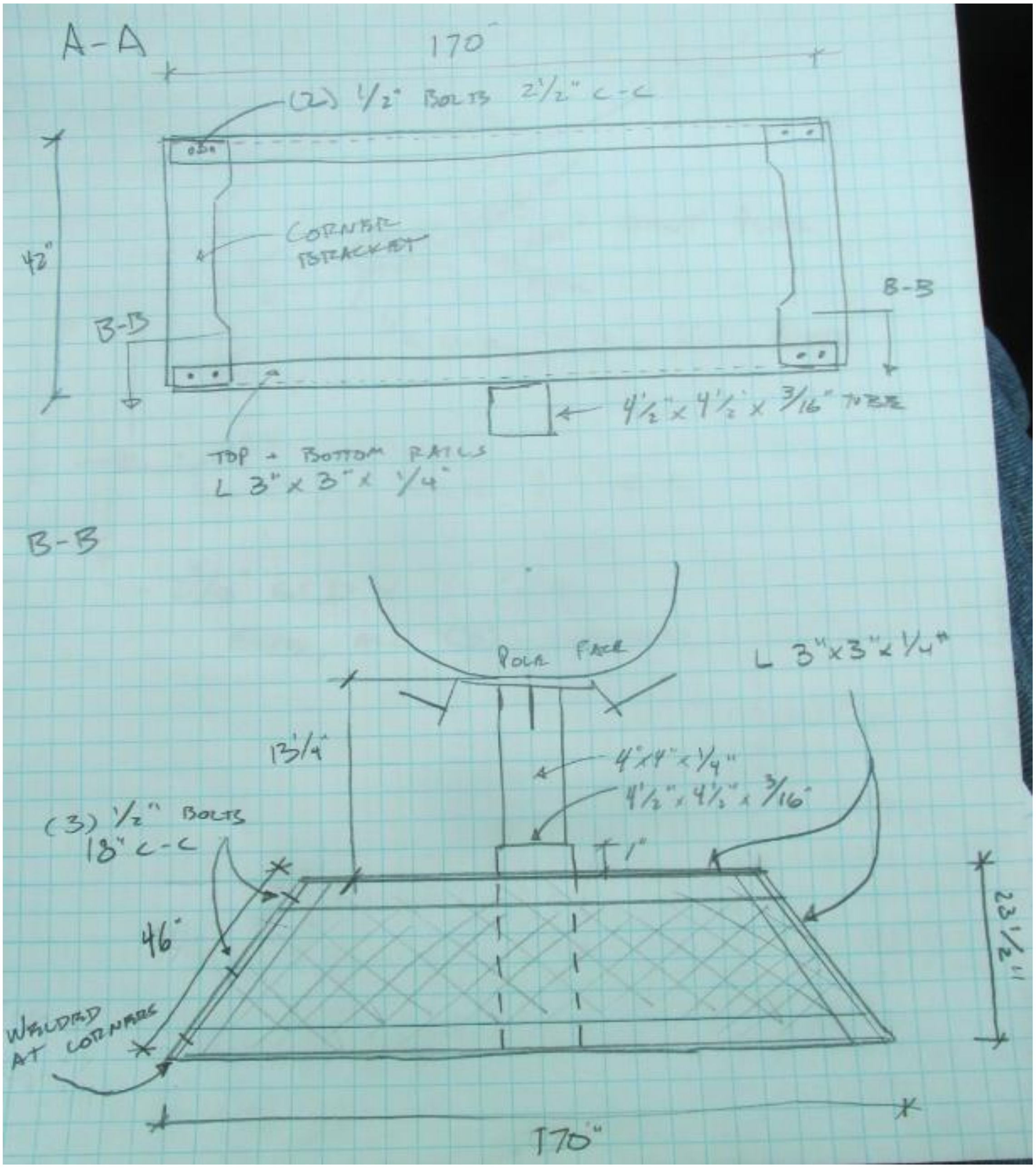
Please Insert Sketches of the Antenna Mount



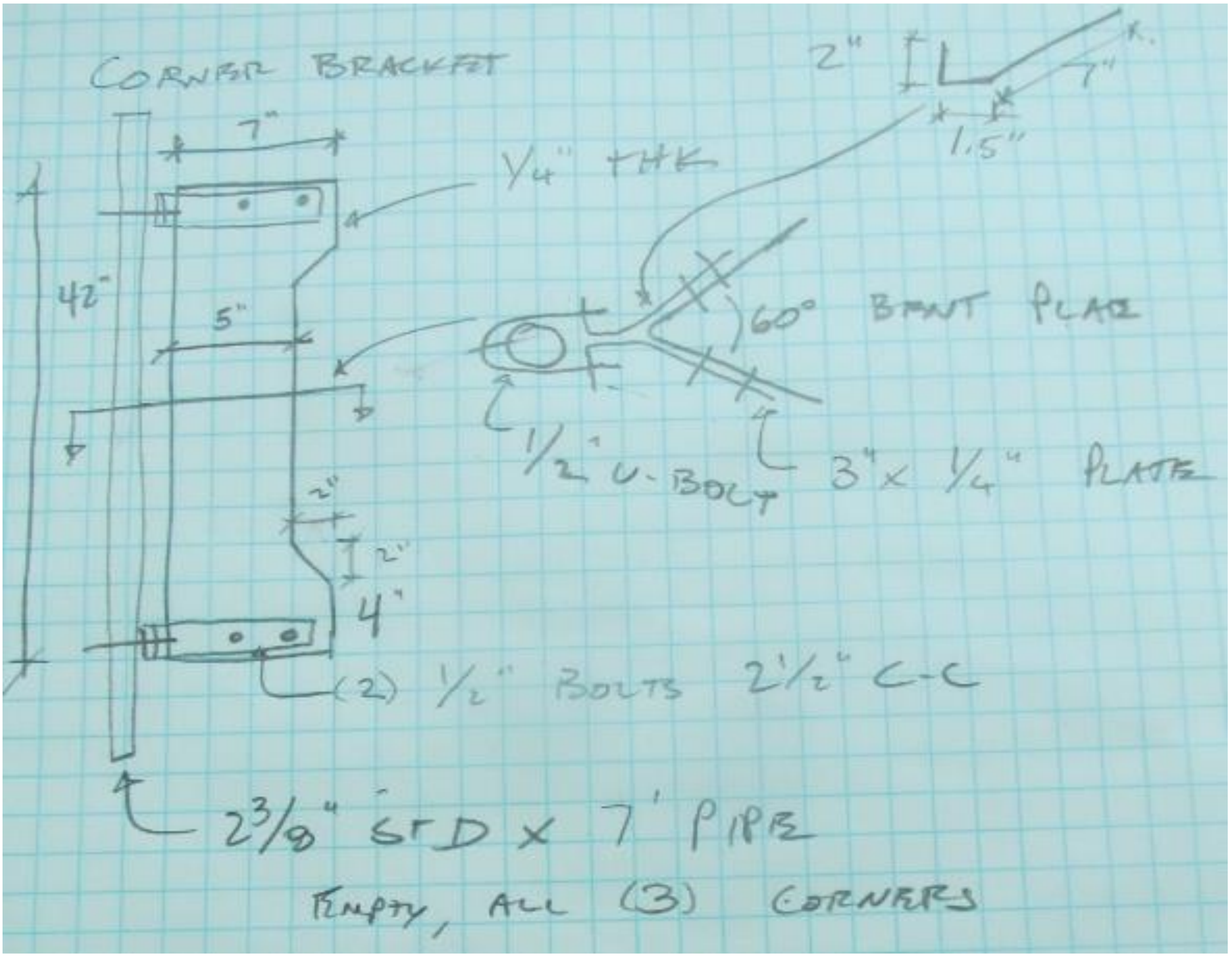
Please Insert Sketches of the Antenna Mount, cont'd

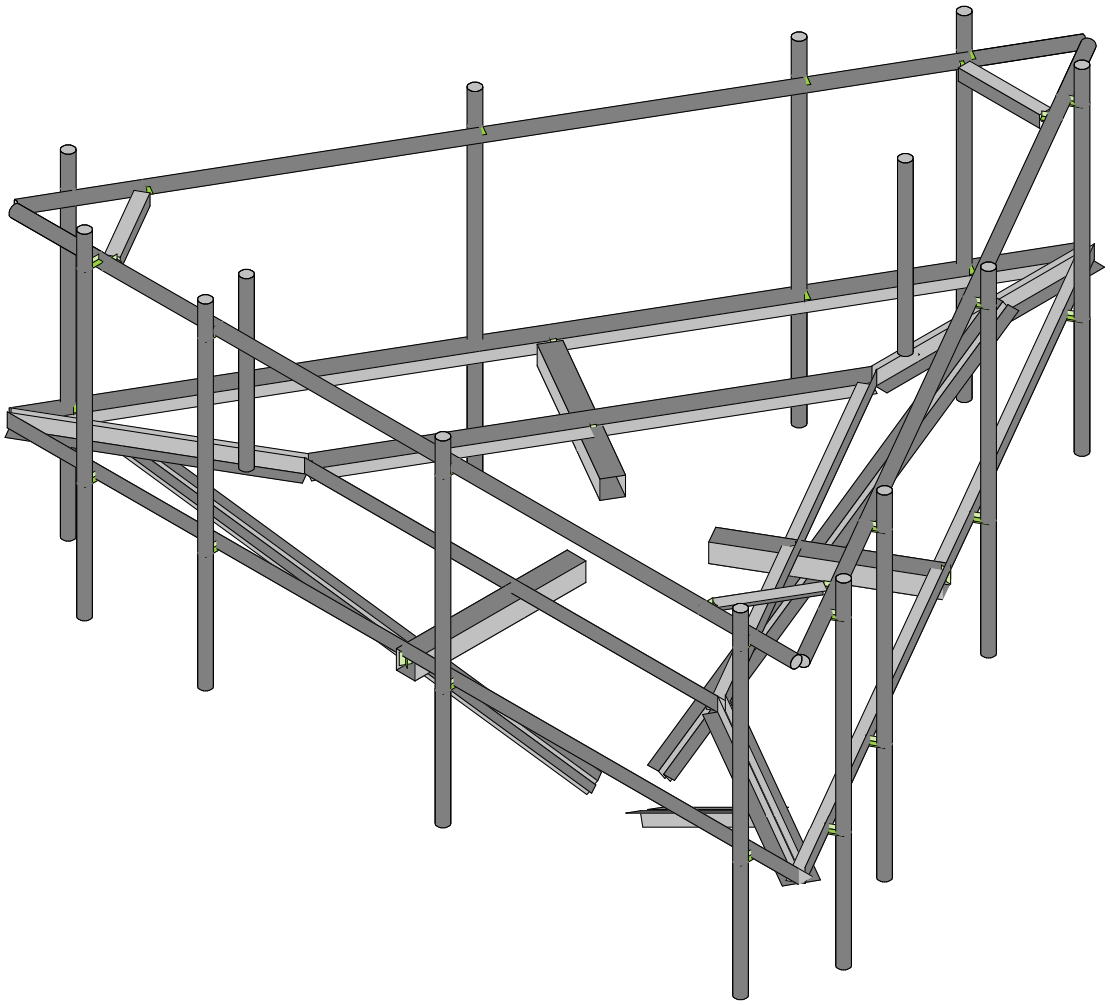


Please Insert Sketches of the Antenna Mount, cont'd

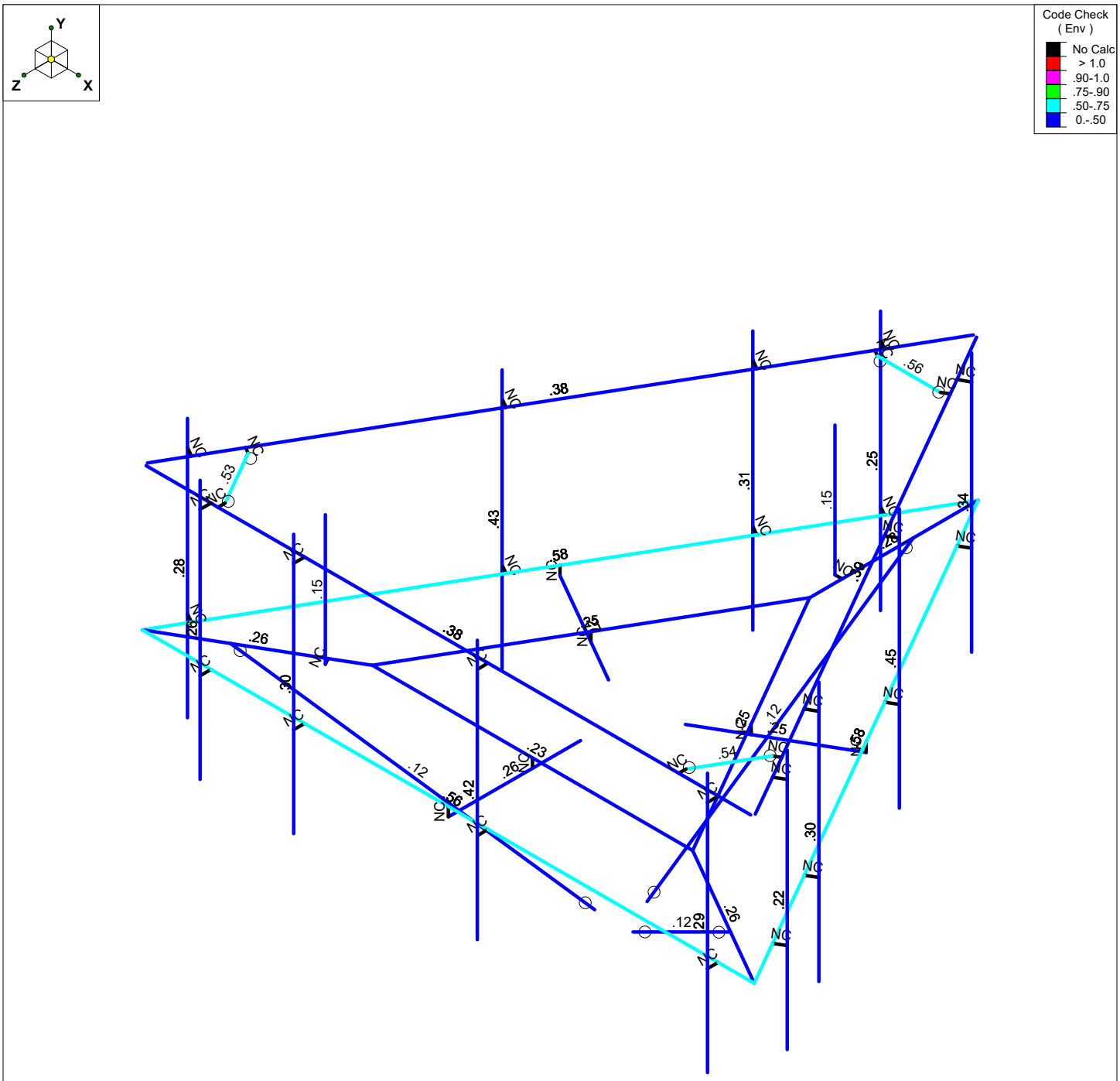


Please Insert Sketches of the Antenna Mount, cont'd



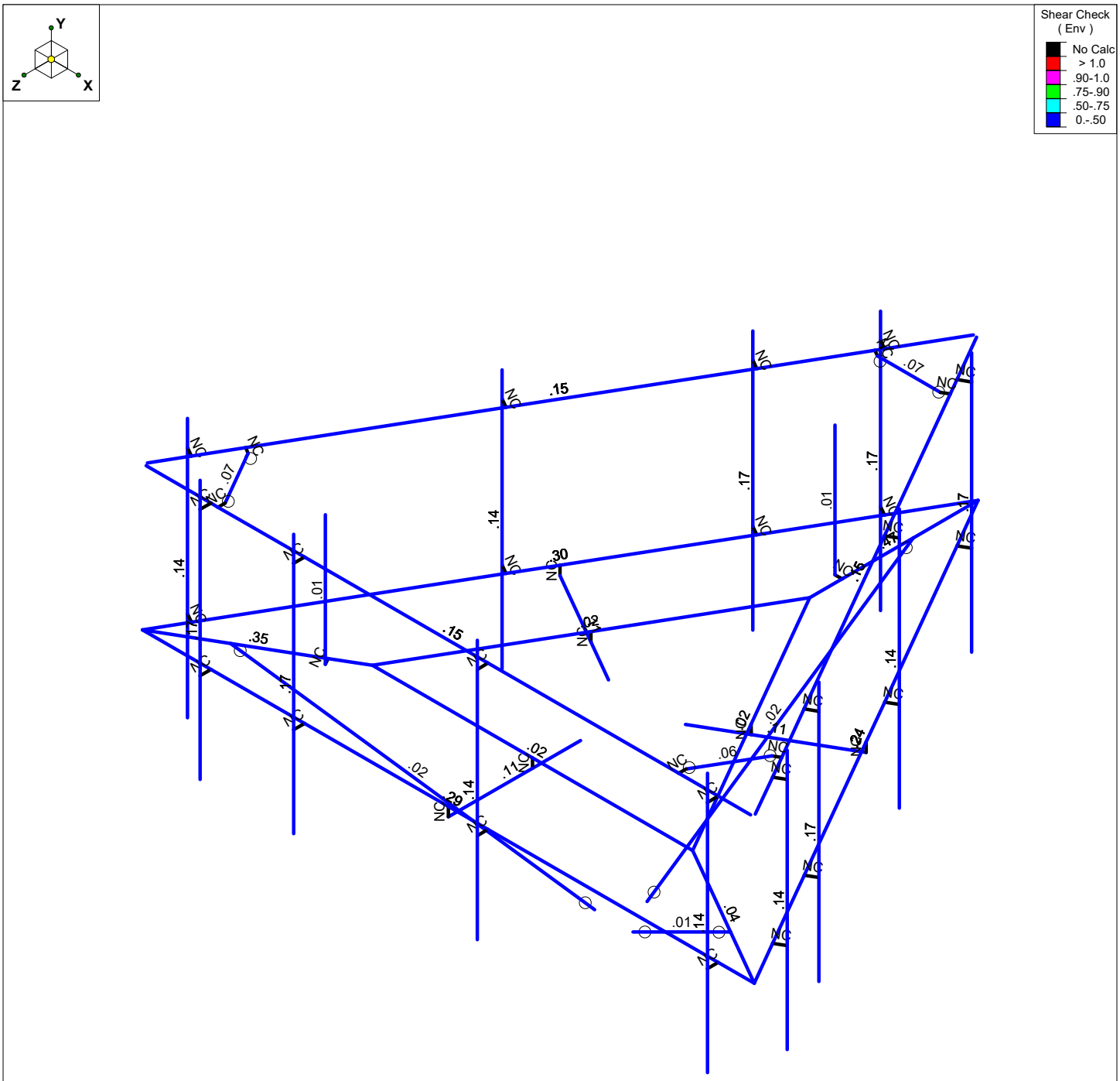


Maser Consulting	468297-VZW_MT_LO_H	SK - 1
		Mar 10, 2021 at 11:32 AM
		468297-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Maser Consulting	468297-VZW_MT_LO_H	SK - 2
		Mar 10, 2021 at 11:32 AM
		468297-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Maser Consulting	468297-VZW_MT_LO_H	SK - 3
		Mar 10, 2021 at 11:32 AM
		468297-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					105			
2	Antenna Di	None					105			
3	Antenna Wo (0 Deg)	None					105			
4	Antenna Wo (30 Deg)	None					105			
5	Antenna Wo (60 Deg)	None					105			
6	Antenna Wo (90 Deg)	None					105			
7	Antenna Wo (120 Deg)	None					105			
8	Antenna Wo (150 Deg)	None					105			
9	Antenna Wo (180 Deg)	None					105			
10	Antenna Wo (210 Deg)	None					105			
11	Antenna Wo (240 Deg)	None					105			
12	Antenna Wo (270 Deg)	None					105			
13	Antenna Wo (300 Deg)	None					105			
14	Antenna Wo (330 Deg)	None					105			
15	Antenna Wi (0 Deg)	None					105			
16	Antenna Wi (30 Deg)	None					105			
17	Antenna Wi (60 Deg)	None					105			
18	Antenna Wi (90 Deg)	None					105			
19	Antenna Wi (120 Deg)	None					105			
20	Antenna Wi (150 Deg)	None					105			
21	Antenna Wi (180 Deg)	None					105			
22	Antenna Wi (210 Deg)	None					105			
23	Antenna Wi (240 Deg)	None					105			
24	Antenna Wi (270 Deg)	None					105			
25	Antenna Wi (300 Deg)	None					105			
26	Antenna Wi (330 Deg)	None					105			
27	Antenna Wm (0 Deg)	None					105			
28	Antenna Wm (30 Deg)	None					105			
29	Antenna Wm (60 Deg)	None					105			
30	Antenna Wm (90 Deg)	None					105			
31	Antenna Wm (120 Deg)	None					105			
32	Antenna Wm (150 Deg)	None					105			
33	Antenna Wm (180 Deg)	None					105			
34	Antenna Wm (210 Deg)	None					105			
35	Antenna Wm (240 Deg)	None					105			
36	Antenna Wm (270 Deg)	None					105			
37	Antenna Wm (300 Deg)	None					105			
38	Antenna Wm (330 Deg)	None					105			
39	Structure D	None		-1					3	
40	Structure Di	None						35	3	
41	Structure Wo (0 Deg)	None						70		
42	Structure Wo (30 Deg)	None						70		
43	Structure Wo (60 Deg)	None						70		
44	Structure Wo (90 Deg)	None						70		
45	Structure Wo (120 D...	None						70		
46	Structure Wo (150 D...	None						70		
47	Structure Wo (180 D...	None						70		
48	Structure Wo (210 D...	None						70		
49	Structure Wo (240 D...	None						70		
50	Structure Wo (270 D...	None						70		
51	Structure Wo (300 D...	None						70		
52	Structure Wo (330 D...	None						70		
53	Structure Wi (0 Deg)	None						70		
54	Structure Wi (30 Deg)	None						70		
55	Structure Wi (60 Deg)	None						70		
56	Structure Wi (90 Deg)	None						70		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						70		
58	Structure Wi (150 De...	None						70		
59	Structure Wi (180 De...	None						70		
60	Structure Wi (210 De...	None						70		
61	Structure Wi (240 De...	None						70		
62	Structure Wi (270 De...	None						70		
63	Structure Wi (300 De...	None						70		
64	Structure Wi (330 De...	None						70		
65	Structure Wm (0 Deg)	None						70		
66	Structure Wm (30 De...	None						70		
67	Structure Wm (60 De...	None						70		
68	Structure Wm (90 De...	None						70		
69	Structure Wm (120 D...	None						70		
70	Structure Wm (150 D...	None						70		
71	Structure Wm (180 D...	None						70		
72	Structure Wm (210 D...	None						70		
73	Structure Wm (240 D...	None						70		
74	Structure Wm (270 D...	None						70		
75	Structure Wm (300 D...	None						70		
76	Structure Wm (330 D...	None						70		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						50		
82	BLC 40 Transient Are...	None						50		

Load Combinations

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

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.5Lm1 + 1.0Wm (60 D..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 D..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 De..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 D..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 D..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 D..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 Deg)		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 Deg)		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N6	43.003028	2.5	25.53838	0	
2	N8	83.503028	2.5	48.921066	0	
3	N14	-46.039912	2.5	25.53838	0	
4	N19A	-86.539912	2.5	48.921066	0	
5	N19	-1.518442	0	25.538381	0	
6	N20	-1.518442	0	48.921067	0	
7	N21	-1.518442	0	12.171067	0	
8	N22	-1.518443	2.5	25.53838	0	
9	N23	-1.518443	2.5	48.921066	0	
10	N13	-1.539912	2.5	-51.537881	0	
11	N14A	-1.539912	2.5	-98.303252	0	
12	N15	-23.800647	0	-12.981157	0	
13	N16	-44.050647	0	-24.6725	0	
14	N17	-12.224214	0	-6.2975	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
15	N18	-23.800647	2.5	-12.981157	0	
16	N19B	-44.050647	2.5	-24.6725	0	
17	N24	20.763763	0	-12.981157	0	
18	N25	41.013763	0	-24.672499	0	
19	N26	9.18733	0	-6.2975	0	
20	N27	20.742303	2.5	-12.981157	0	
21	N28	41.008397	2.5	-24.681794	0	
22	CP	-1.517647	0	-0.141203	0	
23	N23A	73.503028	2.5	48.921066	0	
24	N24A	73.503028	2.5	51.921066	0	
25	N26A	-1.518442	-48	-6.2975	0	
26	N28A	-1.539912	2.5	-80.302881	0	
27	N27A	-6.849734	-48	2.936089	0	
28	N28B	-71.01434	2.5	39.957373	0	
29	N29	3.812434	-48	2.936328	0	
30	N30	67.91346	2.5	39.920425	0	
31	N31	73.503028	49.5	51.921066	0	
32	N32	73.503028	-22.5	51.921066	0	
33	N33	9.503028	2.5	48.921066	0	
34	N34	9.503028	2.5	51.921066	0	
35	N35	9.503028	49.5	51.921066	0	
36	N36	9.503028	-22.5	51.921066	0	
37	N37	-41.496972	2.5	48.921066	0	
38	N38	-41.496972	2.5	51.921066	0	
39	N39	-41.496972	49.5	51.921066	0	
40	N40	-41.496972	-22.5	51.921066	0	
41	N41	-67.496972	2.5	48.921066	0	
42	N42	-67.496972	2.5	51.921066	0	
43	N43	-67.496972	49.5	51.921066	0	
44	N44	-67.496972	-22.5	51.921066	0	
45	N45	6.492023	2.5	-84.465907	0	
46	N46	9.058289	2.5	-85.947541	0	
47	N47	9.058289	49.5	-85.947541	0	
48	N48	9.058289	-22.5	-85.947541	0	
49	N49	33.992023	2.5	-36.834509	0	
50	N50	36.558289	2.5	-38.316144	0	
51	N51	36.558289	49.5	-38.316144	0	
52	N52	36.558289	-22.5	-38.316144	0	
53	N53	64.492023	2.5	15.99304	0	
54	N54	67.058289	2.5	14.511406	0	
55	N55	67.058289	49.5	14.511406	0	
56	N56	67.058289	-22.5	14.511406	0	
57	N57	76.492023	2.5	36.77765	0	
58	N58	79.058289	2.5	35.296016	0	
59	N59	79.058289	49.5	35.296016	0	
60	N60	79.058289	-22.5	35.296016	0	
61	N61	-81.550585	2.5	40.279298	0	
62	N62	-84.117058	2.5	38.797544	0	
63	N63	-84.117058	49.5	38.797544	0	
64	N64	-84.117058	-22.5	38.797544	0	
65	N65	-49.550585	2.5	-15.146328	0	
66	N66	-52.117058	2.5	-16.628082	0	
67	N67	-52.117058	49.5	-16.628082	0	
68	N68	-52.117058	-22.5	-16.628082	0	
69	N69	-24.050585	2.5	-59.313624	0	
70	N70	-26.617058	2.5	-60.795377	0	
71	N71	-26.617058	49.5	-60.795377	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
72	N72	-26.617058	-22.5	-60.795377	0	
73	N73	-11.050585	2.5	-81.830284	0	
74	N74	-13.617058	2.5	-83.312038	0	
75	N75	-13.617058	49.5	-83.312038	0	
76	N76	-13.617058	-22.5	-83.312038	0	
77	N77	82.503028	42.5	48.921066	0	
78	N78	-85.539912	42.5	48.921066	0	
79	N79	73.503028	42.5	48.921066	0	
80	N80	73.503028	42.5	51.921066	0	
81	N81	9.503028	42.5	48.921066	0	
82	N82	9.503028	42.5	51.921066	0	
83	N83	-41.496972	42.5	48.921066	0	
84	N84	-41.496972	42.5	51.921066	0	
85	N85	-67.496972	42.5	48.921066	0	
86	N86	-67.496972	42.5	51.921066	0	
87	N87	-1.040576	42.5	-97.436989	0	
88	N88	82.980894	42.5	48.092466	0	
89	N89	6.459424	42.5	-84.446608	0	
90	N90	9.058289	42.5	-85.947541	0	
91	N91	33.958924	42.5	-36.816077	0	
92	N92	36.558289	42.5	-38.316144	0	
93	N93	64.458924	42.5	16.011473	0	
94	N94	67.058289	42.5	14.511406	0	
95	N95	76.459224	42.5	36.796602	0	
96	N96	79.058289	42.5	35.296016	0	
97	N97	-86.018568	42.5	48.092922	0	
98	N98	-1.997098	42.5	-97.436533	0	
99	N99	-81.518568	42.5	40.298693	0	
100	N100	-84.117058	42.5	38.797544	0	
101	N101	-49.518568	42.5	-15.126933	0	
102	N102	-52.117058	42.5	-16.628082	0	
103	N103	-24.018568	42.5	-59.294228	0	
104	N104	-26.617058	42.5	-60.795377	0	
105	N105	-11.018568	42.5	-81.810889	0	
106	N106	-13.617058	42.5	-83.312038	0	
107	N107	62.503028	42.5	48.921066	0	
108	N108	-65.539912	42.5	48.921066	0	
109	N109	8.959424	42.5	-80.116481	0	
110	N110	72.980894	42.5	30.771958	0	
111	N111	-76.018568	42.5	30.772414	0	
112	N112	-11.997098	42.5	-80.116025	0	
113	N113	62.503028	42.5	46.921066	0	
114	N114	-65.539912	42.5	46.921066	0	
115	N117	7.227374	42.5	-79.116481	0	
116	N118	71.248843	42.5	31.771958	0	
117	N121	-74.286517	42.5	31.772414	0	
118	N122	-10.265047	42.5	-79.116025	0	
119	N120	-1.539912	2.5	-60.537881	0	
120	N121A	-3.539912	2.5	-60.537881	0	
121	N122A	-3.539912	38.5	-60.537881	0	
122	N123	-53.834742	2.5	30.038727	0	
123	N124	-52.813334	2.5	31.807857	0	
124	N125	-52.813334	38.5	31.807857	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Inner Face Horizon...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Face Horizontal	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
6	Platform Connectio...	LL3x3x4x0	Beam	Double Angle (3/8 ...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
7	Kicker	LL2.5x2.5x3x6	Beam	Double Angle (3/8 ...	A36 Gr.36	Typical	1.8	3.09	1.07	.023
8	TES KIcker	L5X5X5	Beam	Double Angle (3/8 ...	A36 Gr.36	Typical	3.07	7.44	7.44	.108
9	Support Rail Angle	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011

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	M7	N14	N6		270	Inner Face Hor...	Beam	Single Angle	A36 Gr.36	Typical
2	FACE	N19A	N8		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
3	M10	N14	N19A		180	Platform Conn...	Beam	Double Angle (...	A36 Gr.36	Typical
4	M14	N21	N20			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
5	M15	N19	N22		60	RIGID	None	None	RIGID	Typical
6	M16	N20	N23		60	RIGID	None	None	RIGID	Typical
7	M47	N6	N8		180	Platform Conn...	Beam	Double Angle (...	A36 Gr.36	Typical
8	M8	N13	N14		270	Inner Face Hor...	Beam	Single Angle	A36 Gr.36	Typical
9	M9	N14A	N19A		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
10	M10A	N13	N14A		180	Platform Conn...	Beam	Double Angle (...	A36 Gr.36	Typical
11	M11	N17	N16			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
12	M12	N15	N18		60	RIGID	None	None	RIGID	Typical
13	M13A	N16	N19B		60	RIGID	None	None	RIGID	Typical
14	M15A	N6	N13		270	Inner Face Hor...	Beam	Single Angle	A36 Gr.36	Typical
15	M16A	N8	N14A		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
16	M18	N26	N25			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
17	M19	N24	N27		60	RIGID	None	None	RIGID	Typical
18	M20	N25	N28		60	RIGID	None	None	RIGID	Typical
19	M22	N23A	N24A			RIGID	None	None	RIGID	Typical
20	M23	N26A	N28A			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
21	M24	N27A	N28B			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
22	M25	N29	N30			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
23	MP1A	N31	N32			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
24	LIVE1	N33	N34			RIGID	None	None	RIGID	Typical
25	MP2A	N35	N36			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
26	M29	N37	N38			RIGID	None	None	RIGID	Typical
27	MP3A	N39	N40			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
28	LIVE2	N41	N42			RIGID	None	None	RIGID	Typical
29	MP4A	N43	N44			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
30	M33	N45	N46			RIGID	None	None	RIGID	Typical
31	MP1C	N47	N48			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
32	M35	N49	N50			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
33	MP2C	N51	N52			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
34	M37	N53	N54			RIGID	None	None	RIGID	Typical
35	MP3C	N55	N56			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
36	M39	N57	N58			RIGID	None	None	RIGID	Typical
37	MP4C	N59	N60			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
38	M41	N61	N62			RIGID	None	None	RIGID	Typical
39	MP1B	N63	N64			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
40	M43	N65	N66			RIGID	None	None	RIGID	Typical
41	MP2B	N67	N68			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
42	M45	N69	N70			RIGID	None	None	RIGID	Typical
43	MP3B	N71	N72			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
44	M47A	N73	N74			RIGID	None	None	RIGID	Typical
45	MP4B	N75	N76			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
46	M49	N78	N77		270	Support Rail	Beam	Pipe	A53 Gr. B	Typical
47	M50	N79	N80			RIGID	None	None	RIGID	Typical
48	M51	N81	N82			RIGID	None	None	RIGID	Typical
49	M52	N83	N84			RIGID	None	None	RIGID	Typical
50	M53	N85	N86			RIGID	None	None	RIGID	Typical
51	M54	N88	N87		270	Support Rail	Beam	Pipe	A53 Gr. B	Typical
52	M55	N89	N90			RIGID	None	None	RIGID	Typical
53	M56	N91	N92			RIGID	None	None	RIGID	Typical
54	M57	N93	N94			RIGID	None	None	RIGID	Typical
55	M58	N95	N96			RIGID	None	None	RIGID	Typical
56	M59	N98	N97		270	Support Rail	Beam	Pipe	A53 Gr. B	Typical
57	M60	N99	N100			RIGID	None	None	RIGID	Typical
58	M61	N101	N102			RIGID	None	None	RIGID	Typical
59	M62	N103	N104			RIGID	None	None	RIGID	Typical
60	M63	N105	N106			RIGID	None	None	RIGID	Typical
61	M64	N108	N114			RIGID	None	None	RIGID	Typical
62	M65	N107	N113			RIGID	None	None	RIGID	Typical
63	M66	N110	N118			RIGID	None	None	RIGID	Typical
64	M67	N109	N117			RIGID	None	None	RIGID	Typical
65	M68	N112	N122			RIGID	None	None	RIGID	Typical
66	M69	N111	N121			RIGID	None	None	RIGID	Typical
67	M70	N121	N114		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
68	M77	N113	N118		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
69	M84	N117	N122		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
70	M70A	N120	N121A			RIGID	None	None	RIGID	Typical
71	OVP1	N122A	N121A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
72	M72	N123	N124			RIGID	None	None	RIGID	Typical
73	OVP2	N125	N124			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M7						Yes				None
2	FACE						Yes				None
3	M10						Yes				None
4	M14						Yes				None
5	M15						Yes	** NA **			None
6	M16						Yes	** NA **			None
7	M47						Yes				None
8	M8						Yes				None
9	M9						Yes				None
10	M10A						Yes				None
11	M11						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...
12	M12						Yes	** NA **			None
13	M13A						Yes	** NA **			None
14	M15A						Yes				None
15	M16A						Yes				None
16	M18						Yes				None
17	M19						Yes	** NA **			None
18	M20						Yes	** NA **			None
19	M22						Yes	** NA **			None
20	M23	BenPIN	BenPIN				Yes				None
21	M24	BenPIN	BenPIN				Yes				None
22	M25	BenPIN	BenPIN				Yes				None
23	MP1A						Yes				None
24	LIVE1						Yes	** NA **			None
25	MP2A						Yes				None
26	M29						Yes	** NA **			None
27	MP3A						Yes				None
28	LIVE2						Yes	** NA **			None
29	MP4A						Yes				None
30	M33						Yes	** NA **			None
31	MP1C						Yes				None
32	M35						Yes	** NA **			None
33	MP2C						Yes				None
34	M37						Yes	** NA **			None
35	MP3C						Yes				None
36	M39						Yes	** NA **			None
37	MP4C						Yes				None
38	M41						Yes	** NA **			None
39	MP1B						Yes				None
40	M43						Yes	** NA **			None
41	MP2B						Yes				None
42	M45						Yes	** NA **			None
43	MP3B						Yes				None
44	M47A						Yes	** NA **			None
45	MP4B						Yes				None
46	M49						Yes				None
47	M50						Yes	** NA **			None
48	M51						Yes	** NA **			None
49	M52						Yes	** NA **			None
50	M53						Yes	** NA **			None
51	M54						Yes				None
52	M55						Yes	** NA **			None
53	M56						Yes	** NA **			None
54	M57						Yes	** NA **			None
55	M58						Yes	** NA **			None
56	M59						Yes				None
57	M60						Yes	** NA **			None
58	M61						Yes	** NA **			None
59	M62						Yes	** NA **			None
60	M63						Yes	** NA **			None
61	M64	OOOOOX					Yes	** NA **			None
62	M65	OOOOOX					Yes	** NA **			None
63	M66	OOOOOX					Yes	** NA **			None
64	M67	OOOOOX					Yes	** NA **			None
65	M68	OOOOOX					Yes	** NA **			None
66	M69	OOOOOX					Yes	** NA **			None
67	M70						Yes				None
68	M77						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...
69	M84						Yes				None
70	M70A						Yes	** NA **			None
71	OVP1						Yes				None
72	M72						Yes	** NA **			None
73	OVP2						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-4.4	60
2	MP1A	My	.002	60
3	MP1A	Mz	-.000752	60
4	MP1B	Y	-4.4	60
5	MP1B	My	-.000382	60
6	MP1B	Mz	.002	60
7	MP1C	Y	-4.4	60
8	MP1C	My	-.002	60
9	MP1C	Mz	-.001	60
10	MP1A	Y	-43.55	6
11	MP1A	My	-.02	6
12	MP1A	Mz	.007	6
13	MP1A	Y	-43.55	30
14	MP1A	My	-.02	30
15	MP1A	Mz	.007	30
16	MP1B	Y	-43.55	6
17	MP1B	My	.004	6
18	MP1B	Mz	-.021	6
19	MP1B	Y	-43.55	30
20	MP1B	My	.004	30
21	MP1B	Mz	-.021	30
22	MP1C	Y	-43.55	6
23	MP1C	My	.017	6
24	MP1C	Mz	.014	6
25	MP1C	Y	-43.55	30
26	MP1C	My	.017	30
27	MP1C	Mz	.014	30
28	MP2A	Y	-20	6
29	MP2A	My	-.013	6
30	MP2A	Mz	-.008	6
31	MP2A	Y	-20	54
32	MP2A	My	-.013	54
33	MP2A	Mz	-.008	54
34	MP2B	Y	-20	6
35	MP2B	My	.013	6
36	MP2B	Mz	-.008	6
37	MP2B	Y	-20	54
38	MP2B	My	.013	54
39	MP2B	Mz	-.008	54
40	MP2C	Y	-20	6
41	MP2C	My	.000161	6
42	MP2C	Mz	.015	6
43	MP2C	Y	-20	54
44	MP2C	My	.000161	54
45	MP2C	Mz	.015	54
46	MP2A	Y	-20	6
47	MP2A	My	-.005	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
48	MP2A	Mz	.014	6
49	MP2A	Y	-20	54
50	MP2A	My	-.005	54
51	MP2A	Mz	.014	54
52	MP2B	Y	-20	6
53	MP2B	My	-.01	6
54	MP2B	Mz	-.012	6
55	MP2B	Y	-20	54
56	MP2B	My	-.01	54
57	MP2B	Mz	-.012	54
58	MP2C	Y	-20	6
59	MP2C	My	.015	6
60	MP2C	Mz	-.003	6
61	MP2C	Y	-20	54
62	MP2C	My	.015	54
63	MP2C	Mz	-.003	54
64	MP4A	Y	-4.95	6
65	MP4A	My	-.002	6
66	MP4A	Mz	.000846	6
67	MP4A	Y	-4.95	54
68	MP4A	My	-.002	54
69	MP4A	Mz	.000846	54
70	MP4B	Y	-4.95	6
71	MP4B	My	.00043	6
72	MP4B	Mz	-.002	6
73	MP4B	Y	-4.95	54
74	MP4B	My	.00043	54
75	MP4B	Mz	-.002	54
76	MP4C	Y	-4.95	6
77	MP4C	My	.002	6
78	MP4C	Mz	.002	6
79	MP4C	Y	-4.95	54
80	MP4C	My	.002	54
81	MP4C	Mz	.002	54
82	MP2A	Y	-84.4	21
83	MP2A	My	-.018	21
84	MP2A	Mz	-.05	21
85	MP2B	Y	-84.4	21
86	MP2B	My	.052	21
87	MP2B	Mz	.009	21
88	MP2C	Y	-84.4	21
89	MP2C	My	-.034	21
90	MP2C	Mz	.04	21
91	MP2A	Y	-70.3	21
92	MP2A	My	.015	21
93	MP2A	Mz	.041	21
94	MP2B	Y	-70.3	21
95	MP2B	My	-.043	21
96	MP2B	Mz	-.008	21
97	MP2C	Y	-70.3	21
98	MP2C	My	.028	21
99	MP2C	Mz	-.034	21
100	OVP2	Y	-26.9	6
101	OVP2	My	0	6
102	OVP2	Mz	0	6
103	OVP1	Y	-26.9	6
104	OVP1	My	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
105	OVP1	Mz	0	6

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-22.226	60
2	MP1A	My	.01	60
3	MP1A	Mz	-.004	60
4	MP1B	Y	-22.226	60
5	MP1B	My	-.002	60
6	MP1B	Mz	.011	60
7	MP1C	Y	-22.226	60
8	MP1C	My	-.009	60
9	MP1C	Mz	-.007	60
10	MP1A	Y	-55.189	6
11	MP1A	My	-.026	6
12	MP1A	Mz	.009	6
13	MP1A	Y	-55.189	30
14	MP1A	My	-.026	30
15	MP1A	Mz	.009	30
16	MP1B	Y	-55.189	6
17	MP1B	My	.005	6
18	MP1B	Mz	-.027	6
19	MP1B	Y	-55.189	30
20	MP1B	My	.005	30
21	MP1B	Mz	-.027	30
22	MP1C	Y	-55.189	6
23	MP1C	My	.021	6
24	MP1C	Mz	.018	6
25	MP1C	Y	-55.189	30
26	MP1C	My	.021	30
27	MP1C	Mz	.018	30
28	MP2A	Y	-94.234	6
29	MP2A	My	-.063	6
30	MP2A	Mz	-.036	6
31	MP2A	Y	-94.234	54
32	MP2A	My	-.063	54
33	MP2A	Mz	-.036	54
34	MP2B	Y	-94.234	6
35	MP2B	My	.062	6
36	MP2B	Mz	-.037	6
37	MP2B	Y	-94.234	54
38	MP2B	My	.062	54
39	MP2B	Mz	-.037	54
40	MP2C	Y	-94.234	6
41	MP2C	My	.00076	6
42	MP2C	Mz	.072	6
43	MP2C	Y	-94.234	54
44	MP2C	My	.00076	54
45	MP2C	Mz	.072	54
46	MP2A	Y	-94.234	6
47	MP2A	My	-.025	6
48	MP2A	Mz	.068	6
49	MP2A	Y	-94.234	54
50	MP2A	My	-.025	54
51	MP2A	Mz	.068	54
52	MP2B	Y	-94.234	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2B	My	-.046	6
54	MP2B	Mz	-.056	6
55	MP2B	Y	-94.234	54
56	MP2B	My	-.046	54
57	MP2B	Mz	-.056	54
58	MP2C	Y	-94.234	6
59	MP2C	My	.071	6
60	MP2C	Mz	-.012	6
61	MP2C	Y	-94.234	54
62	MP2C	My	.071	54
63	MP2C	Mz	-.012	54
64	MP4A	Y	-53.261	6
65	MP4A	My	-.025	6
66	MP4A	Mz	.009	6
67	MP4A	Y	-53.261	54
68	MP4A	My	-.025	54
69	MP4A	Mz	.009	54
70	MP4B	Y	-53.261	6
71	MP4B	My	.005	6
72	MP4B	Mz	-.026	6
73	MP4B	Y	-53.261	54
74	MP4B	My	.005	54
75	MP4B	Mz	-.026	54
76	MP4C	Y	-53.261	6
77	MP4C	My	.02	6
78	MP4C	Mz	.017	6
79	MP4C	Y	-53.261	54
80	MP4C	My	.02	54
81	MP4C	Mz	.017	54
82	MP2A	Y	-70.111	21
83	MP2A	My	-.015	21
84	MP2A	Mz	-.041	21
85	MP2B	Y	-70.111	21
86	MP2B	My	.043	21
87	MP2B	Mz	.008	21
88	MP2C	Y	-70.111	21
89	MP2C	My	-.028	21
90	MP2C	Mz	.034	21
91	MP2A	Y	-63.286	21
92	MP2A	My	.014	21
93	MP2A	Mz	.037	21
94	MP2B	Y	-63.286	21
95	MP2B	My	-.039	21
96	MP2B	Mz	-.007	21
97	MP2C	Y	-63.286	21
98	MP2C	My	.025	21
99	MP2C	Mz	-.03	21
100	OVP2	Y	-85.851	6
101	OVP2	My	0	6
102	OVP2	Mz	0	6
103	OVP1	Y	-85.851	6
104	OVP1	My	0	6
105	OVP1	Mz	0	6

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	60
2	MP1A	Z	-31.759	60
3	MP1A	Mx	.005	60
4	MP1B	X	0	60
5	MP1B	Z	-7.724	60
6	MP1B	Mx	-.004	60
7	MP1C	X	0	60
8	MP1C	Z	-23.412	60
9	MP1C	Mx	.008	60
10	MP1A	X	0	6
11	MP1A	Z	-85.975	6
12	MP1A	Mx	-.015	6
13	MP1A	X	0	30
14	MP1A	Z	-85.975	30
15	MP1A	Mx	-.015	30
16	MP1B	X	0	6
17	MP1B	Z	-37.937	6
18	MP1B	Mx	.019	6
19	MP1B	X	0	30
20	MP1B	Z	-37.937	30
21	MP1B	Mx	.019	30
22	MP1C	X	0	6
23	MP1C	Z	-69.291	6
24	MP1C	Mx	-.022	6
25	MP1C	X	0	30
26	MP1C	Z	-69.291	30
27	MP1C	Mx	-.022	30
28	MP2A	X	0	6
29	MP2A	Z	-154.339	6
30	MP2A	Mx	.058	6
31	MP2A	X	0	54
32	MP2A	Z	-154.339	54
33	MP2A	Mx	.058	54
34	MP2B	X	0	6
35	MP2B	Z	-107.917	6
36	MP2B	Mx	.042	6
37	MP2B	X	0	54
38	MP2B	Z	-107.917	54
39	MP2B	Mx	.042	54
40	MP2C	X	0	6
41	MP2C	Z	-138.217	6
42	MP2C	Mx	-.106	6
43	MP2C	X	0	54
44	MP2C	Z	-138.217	54
45	MP2C	Mx	-.106	54
46	MP2A	X	0	6
47	MP2A	Z	-154.339	6
48	MP2A	Mx	-.111	6
49	MP2A	X	0	54
50	MP2A	Z	-154.339	54
51	MP2A	Mx	-.111	54
52	MP2B	X	0	6
53	MP2B	Z	-107.917	6
54	MP2B	Mx	.064	6
55	MP2B	X	0	54
56	MP2B	Z	-107.917	54
57	MP2B	Mx	.064	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP2C	X	0	6
59	MP2C	Z	-138.217	6
60	MP2C	Mx	.017	6
61	MP2C	X	0	54
62	MP2C	Z	-138.217	54
63	MP2C	Mx	.017	54
64	MP4A	X	0	6
65	MP4A	Z	-87.263	6
66	MP4A	Mx	-.015	6
67	MP4A	X	0	54
68	MP4A	Z	-87.263	54
69	MP4A	Mx	-.015	54
70	MP4B	X	0	6
71	MP4B	Z	-45.745	6
72	MP4B	Mx	.023	6
73	MP4B	X	0	54
74	MP4B	Z	-45.745	54
75	MP4B	Mx	.023	54
76	MP4C	X	0	6
77	MP4C	Z	-72.844	6
78	MP4C	Mx	-.023	6
79	MP4C	X	0	54
80	MP4C	Z	-72.844	54
81	MP4C	Mx	-.023	54
82	MP2A	X	0	21
83	MP2A	Z	-70.8	21
84	MP2A	Mx	.042	21
85	MP2B	X	0	21
86	MP2B	Z	-49.972	21
87	MP2B	Mx	-.005	21
88	MP2C	X	0	21
89	MP2C	Z	-63.567	21
90	MP2C	Mx	-.03	21
91	MP2A	X	0	21
92	MP2A	Z	-69.706	21
93	MP2A	Mx	-.041	21
94	MP2B	X	0	21
95	MP2B	Z	-40.9	21
96	MP2B	Mx	.004	21
97	MP2C	X	0	21
98	MP2C	Z	-59.702	21
99	MP2C	Mx	.029	21
100	OVP2	X	0	6
101	OVP2	Z	-67.986	6
102	OVP2	Mx	0	6
103	OVP1	X	0	6
104	OVP1	Z	-67.986	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	9.259	60
2	MP1A	Z	-16.038	60
3	MP1A	Mx	.007	60
4	MP1B	X	5.086	60
5	MP1B	Z	-8.809	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP1B	Mx	-.005	60
7	MP1C	X	17.103	60
8	MP1C	Z	-29.623	60
9	MP1C	Mx	.003	60
10	MP1A	X	29.755	6
11	MP1A	Z	-51.538	6
12	MP1A	Mx	-.023	6
13	MP1A	X	29.755	30
14	MP1A	Z	-51.538	30
15	MP1A	Mx	-.023	30
16	MP1B	X	21.414	6
17	MP1B	Z	-37.09	6
18	MP1B	Mx	.02	6
19	MP1B	X	21.414	30
20	MP1B	Z	-37.09	30
21	MP1B	Mx	.02	30
22	MP1C	X	45.433	6
23	MP1C	Z	-78.692	6
24	MP1C	Mx	-.008	6
25	MP1C	X	45.433	30
26	MP1C	Z	-78.692	30
27	MP1C	Mx	-.008	30
28	MP2A	X	64.383	6
29	MP2A	Z	-111.514	6
30	MP2A	Mx	-.001	6
31	MP2A	X	64.383	54
32	MP2A	Z	-111.514	54
33	MP2A	Mx	-.001	54
34	MP2B	X	56.322	6
35	MP2B	Z	-97.552	6
36	MP2B	Mx	.075	6
37	MP2B	X	56.322	54
38	MP2B	Z	-97.552	54
39	MP2B	Mx	.075	54
40	MP2C	X	79.532	6
41	MP2C	Z	-137.754	6
42	MP2C	Mx	-.105	6
43	MP2C	X	79.532	54
44	MP2C	Z	-137.754	54
45	MP2C	Mx	-.105	54
46	MP2A	X	64.383	6
47	MP2A	Z	-111.514	6
48	MP2A	Mx	-.098	6
49	MP2A	X	64.383	54
50	MP2A	Z	-111.514	54
51	MP2A	Mx	-.098	54
52	MP2B	X	56.322	6
53	MP2B	Z	-97.552	6
54	MP2B	Mx	.03	6
55	MP2B	X	56.322	54
56	MP2B	Z	-97.552	54
57	MP2B	Mx	.03	54
58	MP2C	X	79.532	6
59	MP2C	Z	-137.754	6
60	MP2C	Mx	.078	6
61	MP2C	X	79.532	54
62	MP2C	Z	-137.754	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2C	Mx	.078	54
64	MP4A	X	32.195	6
65	MP4A	Z	-55.764	6
66	MP4A	Mx	-.025	6
67	MP4A	X	32.195	54
68	MP4A	Z	-55.764	54
69	MP4A	Mx	-.025	54
70	MP4B	X	24.986	6
71	MP4B	Z	-43.277	6
72	MP4B	Mx	.023	6
73	MP4B	X	24.986	54
74	MP4B	Z	-43.277	54
75	MP4B	Mx	.023	54
76	MP4C	X	45.745	6
77	MP4C	Z	-79.232	6
78	MP4C	Mx	-.008	6
79	MP4C	X	45.745	54
80	MP4C	Z	-79.232	54
81	MP4C	Mx	-.008	54
82	MP2A	X	29.663	21
83	MP2A	Z	-51.378	21
84	MP2A	Mx	.024	21
85	MP2B	X	26.046	21
86	MP2B	Z	-45.114	21
87	MP2B	Mx	.011	21
88	MP2C	X	36.46	21
89	MP2C	Z	-63.151	21
90	MP2C	Mx	-.045	21
91	MP2A	X	26.918	21
92	MP2A	Z	-46.624	21
93	MP2A	Mx	-.022	21
94	MP2B	X	21.916	21
95	MP2B	Z	-37.96	21
96	MP2B	Mx	-.009	21
97	MP2C	X	36.319	21
98	MP2C	Z	-62.907	21
99	MP2C	Mx	.045	21
100	OVP2	X	42.104	6
101	OVP2	Z	-72.926	6
102	OVP2	Mx	0	6
103	OVP1	X	42.104	6
104	OVP1	Z	-72.926	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	6.69	60
2	MP1A	Z	-3.862	60
3	MP1A	Mx	.004	60
4	MP1B	X	20.276	60
5	MP1B	Z	-11.706	60
6	MP1B	Mx	-.008	60
7	MP1C	X	27.504	60
8	MP1C	Z	-15.88	60
9	MP1C	Mx	-.005	60
10	MP1A	X	32.854	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP1A	Z	-18.968	6
12	MP1A	Mx	-.019	6
13	MP1A	X	32.854	30
14	MP1A	Z	-18.968	30
15	MP1A	Mx	-.019	30
16	MP1B	X	60.008	6
17	MP1B	Z	-34.646	6
18	MP1B	Mx	.022	6
19	MP1B	X	60.008	30
20	MP1B	Z	-34.646	30
21	MP1B	Mx	.022	30
22	MP1C	X	74.456	6
23	MP1C	Z	-42.987	6
24	MP1C	Mx	.015	6
25	MP1C	X	74.456	30
26	MP1C	Z	-42.987	30
27	MP1C	Mx	.015	30
28	MP2A	X	93.459	6
29	MP2A	Z	-53.959	6
30	MP2A	Mx	-.042	6
31	MP2A	X	93.459	54
32	MP2A	Z	-53.959	54
33	MP2A	Mx	-.042	54
34	MP2B	X	119.699	6
35	MP2B	Z	-69.108	6
36	MP2B	Mx	.106	6
37	MP2B	X	119.699	54
38	MP2B	Z	-69.108	54
39	MP2B	Mx	.106	54
40	MP2C	X	133.662	6
41	MP2C	Z	-77.17	6
42	MP2C	Mx	-.058	6
43	MP2C	X	133.662	54
44	MP2C	Z	-77.17	54
45	MP2C	Mx	-.058	54
46	MP2A	X	93.459	6
47	MP2A	Z	-53.959	6
48	MP2A	Mx	-.064	6
49	MP2A	X	93.459	54
50	MP2A	Z	-53.959	54
51	MP2A	Mx	-.064	54
52	MP2B	X	119.699	6
53	MP2B	Z	-69.108	6
54	MP2B	Mx	-.017	6
55	MP2B	X	119.699	54
56	MP2B	Z	-69.108	54
57	MP2B	Mx	-.017	54
58	MP2C	X	133.662	6
59	MP2C	Z	-77.17	6
60	MP2C	Mx	.111	6
61	MP2C	X	133.662	54
62	MP2C	Z	-77.17	54
63	MP2C	Mx	.111	54
64	MP4A	X	39.616	6
65	MP4A	Z	-22.872	6
66	MP4A	Mx	-.023	6
67	MP4A	X	39.616	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
68	MP4A	Z	-22.872	54
69	MP4A	Mx	-.023	54
70	MP4B	X	63.085	6
71	MP4B	Z	-36.422	6
72	MP4B	Mx	.023	6
73	MP4B	X	63.085	54
74	MP4B	Z	-36.422	54
75	MP4B	Mx	.023	54
76	MP4C	X	75.572	6
77	MP4C	Z	-43.631	6
78	MP4C	Mx	.015	6
79	MP4C	X	75.572	54
80	MP4C	Z	-43.631	54
81	MP4C	Mx	.015	54
82	MP2A	X	43.277	21
83	MP2A	Z	-24.986	21
84	MP2A	Mx	.005	21
85	MP2B	X	55.05	21
86	MP2B	Z	-31.783	21
87	MP2B	Mx	.03	21
88	MP2C	X	61.315	21
89	MP2C	Z	-35.4	21
90	MP2C	Mx	-.042	21
91	MP2A	X	35.42	21
92	MP2A	Z	-20.45	21
93	MP2A	Mx	-.004	21
94	MP2B	X	51.703	21
95	MP2B	Z	-29.851	21
96	MP2B	Mx	-.029	21
97	MP2C	X	60.367	21
98	MP2C	Z	-34.853	21
99	MP2C	Mx	.041	21
100	OVP2	X	84.378	6
101	OVP2	Z	-48.715	6
102	OVP2	Mx	0	6
103	OVP1	X	84.378	6
104	OVP1	Z	-48.715	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	10.171	60
2	MP1A	Z	0	60
3	MP1A	Mx	.005	60
4	MP1B	X	34.206	60
5	MP1B	Z	0	60
6	MP1B	Mx	-.003	60
7	MP1C	X	18.519	60
8	MP1C	Z	0	60
9	MP1C	Mx	-.007	60
10	MP1A	X	42.827	6
11	MP1A	Z	0	6
12	MP1A	Mx	-.02	6
13	MP1A	X	42.827	30
14	MP1A	Z	0	30
15	MP1A	Mx	-.02	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP1B	X	90.865	6
17	MP1B	Z	0	6
18	MP1B	Mx	.008	6
19	MP1B	X	90.865	30
20	MP1B	Z	0	30
21	MP1B	Mx	.008	30
22	MP1C	X	59.511	6
23	MP1C	Z	0	6
24	MP1C	Mx	.023	6
25	MP1C	X	59.511	30
26	MP1C	Z	0	30
27	MP1C	Mx	.023	30
28	MP2A	X	112.643	6
29	MP2A	Z	0	6
30	MP2A	Mx	-.075	6
31	MP2A	X	112.643	54
32	MP2A	Z	0	54
33	MP2A	Mx	-.075	54
34	MP2B	X	159.065	6
35	MP2B	Z	0	6
36	MP2B	Mx	.105	6
37	MP2B	X	159.065	54
38	MP2B	Z	0	54
39	MP2B	Mx	.105	54
40	MP2C	X	128.765	6
41	MP2C	Z	0	6
42	MP2C	Mx	.001	6
43	MP2C	X	128.765	54
44	MP2C	Z	0	54
45	MP2C	Mx	.001	54
46	MP2A	X	112.643	6
47	MP2A	Z	0	6
48	MP2A	Mx	-.03	6
49	MP2A	X	112.643	54
50	MP2A	Z	0	54
51	MP2A	Mx	-.03	54
52	MP2B	X	159.065	6
53	MP2B	Z	0	6
54	MP2B	Mx	-.078	6
55	MP2B	X	159.065	54
56	MP2B	Z	0	54
57	MP2B	Mx	-.078	54
58	MP2C	X	128.765	6
59	MP2C	Z	0	6
60	MP2C	Mx	.098	6
61	MP2C	X	128.765	54
62	MP2C	Z	0	54
63	MP2C	Mx	.098	54
64	MP4A	X	49.972	6
65	MP4A	Z	0	6
66	MP4A	Mx	-.023	6
67	MP4A	X	49.972	54
68	MP4A	Z	0	54
69	MP4A	Mx	-.023	54
70	MP4B	X	91.49	6
71	MP4B	Z	0	6
72	MP4B	Mx	.008	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP4B	X	91.49	54
74	MP4B	Z	0	54
75	MP4B	Mx	.008	54
76	MP4C	X	64.391	6
77	MP4C	Z	0	6
78	MP4C	Mx	.025	6
79	MP4C	X	64.391	54
80	MP4C	Z	0	54
81	MP4C	Mx	.025	54
82	MP2A	X	52.093	21
83	MP2A	Z	0	21
84	MP2A	Mx	-.011	21
85	MP2B	X	72.921	21
86	MP2B	Z	0	21
87	MP2B	Mx	.045	21
88	MP2C	X	59.326	21
89	MP2C	Z	0	21
90	MP2C	Mx	-.024	21
91	MP2A	X	43.832	21
92	MP2A	Z	0	21
93	MP2A	Mx	.009	21
94	MP2B	X	72.639	21
95	MP2B	Z	0	21
96	MP2B	Mx	-.045	21
97	MP2C	X	53.837	21
98	MP2C	Z	0	21
99	MP2C	Mx	.022	21
100	OVP2	X	94.433	6
101	OVP2	Z	0	6
102	OVP2	Mx	0	6
103	OVP1	X	94.433	6
104	OVP1	Z	0	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	20.276	60
2	MP1A	Z	11.706	60
3	MP1A	Mx	.008	60
4	MP1B	X	27.504	60
5	MP1B	Z	15.88	60
6	MP1B	Mx	.005	60
7	MP1C	X	6.69	60
8	MP1C	Z	3.862	60
9	MP1C	Mx	-.004	60
10	MP1A	X	60.008	6
11	MP1A	Z	34.646	6
12	MP1A	Mx	-.022	6
13	MP1A	X	60.008	30
14	MP1A	Z	34.646	30
15	MP1A	Mx	-.022	30
16	MP1B	X	74.456	6
17	MP1B	Z	42.987	6
18	MP1B	Mx	-.015	6
19	MP1B	X	74.456	30
20	MP1B	Z	42.987	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP1B	Mx	-.015	30
22	MP1C	X	32.854	6
23	MP1C	Z	18.968	6
24	MP1C	Mx	.019	6
25	MP1C	X	32.854	30
26	MP1C	Z	18.968	30
27	MP1C	Mx	.019	30
28	MP2A	X	119.699	6
29	MP2A	Z	69.108	6
30	MP2A	Mx	-.106	6
31	MP2A	X	119.699	54
32	MP2A	Z	69.108	54
33	MP2A	Mx	-.106	54
34	MP2B	X	133.662	6
35	MP2B	Z	77.17	6
36	MP2B	Mx	.058	6
37	MP2B	X	133.662	54
38	MP2B	Z	77.17	54
39	MP2B	Mx	.058	54
40	MP2C	X	93.459	6
41	MP2C	Z	53.959	6
42	MP2C	Mx	.042	6
43	MP2C	X	93.459	54
44	MP2C	Z	53.959	54
45	MP2C	Mx	.042	54
46	MP2A	X	119.699	6
47	MP2A	Z	69.108	6
48	MP2A	Mx	.017	6
49	MP2A	X	119.699	54
50	MP2A	Z	69.108	54
51	MP2A	Mx	.017	54
52	MP2B	X	133.662	6
53	MP2B	Z	77.17	6
54	MP2B	Mx	-.111	6
55	MP2B	X	133.662	54
56	MP2B	Z	77.17	54
57	MP2B	Mx	-.111	54
58	MP2C	X	93.459	6
59	MP2C	Z	53.959	6
60	MP2C	Mx	.064	6
61	MP2C	X	93.459	54
62	MP2C	Z	53.959	54
63	MP2C	Mx	.064	54
64	MP4A	X	63.085	6
65	MP4A	Z	36.422	6
66	MP4A	Mx	-.023	6
67	MP4A	X	63.085	54
68	MP4A	Z	36.422	54
69	MP4A	Mx	-.023	54
70	MP4B	X	75.572	6
71	MP4B	Z	43.631	6
72	MP4B	Mx	-.015	6
73	MP4B	X	75.572	54
74	MP4B	Z	43.631	54
75	MP4B	Mx	-.015	54
76	MP4C	X	39.616	6
77	MP4C	Z	22.872	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
78	MP4C	Mx	.023	6
79	MP4C	X	39.616	54
80	MP4C	Z	22.872	54
81	MP4C	Mx	.023	54
82	MP2A	X	55.05	21
83	MP2A	Z	31.783	21
84	MP2A	Mx	-.03	21
85	MP2B	X	61.315	21
86	MP2B	Z	35.4	21
87	MP2B	Mx	.042	21
88	MP2C	X	43.277	21
89	MP2C	Z	24.986	21
90	MP2C	Mx	-.005	21
91	MP2A	X	51.703	21
92	MP2A	Z	29.851	21
93	MP2A	Mx	.029	21
94	MP2B	X	60.367	21
95	MP2B	Z	34.853	21
96	MP2B	Mx	-.041	21
97	MP2C	X	35.42	21
98	MP2C	Z	20.45	21
99	MP2C	Mx	.004	21
100	OVP2	X	67.734	6
101	OVP2	Z	39.106	6
102	OVP2	Mx	0	6
103	OVP1	X	67.734	6
104	OVP1	Z	39.106	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	17.103	60
2	MP1A	Z	29.623	60
3	MP1A	Mx	.003	60
4	MP1B	X	9.259	60
5	MP1B	Z	16.038	60
6	MP1B	Mx	.007	60
7	MP1C	X	5.086	60
8	MP1C	Z	8.809	60
9	MP1C	Mx	-.005	60
10	MP1A	X	45.433	6
11	MP1A	Z	78.692	6
12	MP1A	Mx	-.008	6
13	MP1A	X	45.433	30
14	MP1A	Z	78.692	30
15	MP1A	Mx	-.008	30
16	MP1B	X	29.755	6
17	MP1B	Z	51.538	6
18	MP1B	Mx	-.023	6
19	MP1B	X	29.755	30
20	MP1B	Z	51.538	30
21	MP1B	Mx	-.023	30
22	MP1C	X	21.414	6
23	MP1C	Z	37.09	6
24	MP1C	Mx	.02	6
25	MP1C	X	21.414	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP1C	Z	37.09	30
27	MP1C	Mx	.02	30
28	MP2A	X	79.532	6
29	MP2A	Z	137.754	6
30	MP2A	Mx	-.105	6
31	MP2A	X	79.532	54
32	MP2A	Z	137.754	54
33	MP2A	Mx	-.105	54
34	MP2B	X	64.383	6
35	MP2B	Z	111.514	6
36	MP2B	Mx	-.001	6
37	MP2B	X	64.383	54
38	MP2B	Z	111.514	54
39	MP2B	Mx	-.001	54
40	MP2C	X	56.322	6
41	MP2C	Z	97.552	6
42	MP2C	Mx	.075	6
43	MP2C	X	56.322	54
44	MP2C	Z	97.552	54
45	MP2C	Mx	.075	54
46	MP2A	X	79.532	6
47	MP2A	Z	137.754	6
48	MP2A	Mx	.078	6
49	MP2A	X	79.532	54
50	MP2A	Z	137.754	54
51	MP2A	Mx	.078	54
52	MP2B	X	64.383	6
53	MP2B	Z	111.514	6
54	MP2B	Mx	-.098	6
55	MP2B	X	64.383	54
56	MP2B	Z	111.514	54
57	MP2B	Mx	-.098	54
58	MP2C	X	56.322	6
59	MP2C	Z	97.552	6
60	MP2C	Mx	.03	6
61	MP2C	X	56.322	54
62	MP2C	Z	97.552	54
63	MP2C	Mx	.03	54
64	MP4A	X	45.745	6
65	MP4A	Z	79.232	6
66	MP4A	Mx	-.008	6
67	MP4A	X	45.745	54
68	MP4A	Z	79.232	54
69	MP4A	Mx	-.008	54
70	MP4B	X	32.195	6
71	MP4B	Z	55.764	6
72	MP4B	Mx	-.025	6
73	MP4B	X	32.195	54
74	MP4B	Z	55.764	54
75	MP4B	Mx	-.025	54
76	MP4C	X	24.986	6
77	MP4C	Z	43.277	6
78	MP4C	Mx	.023	6
79	MP4C	X	24.986	54
80	MP4C	Z	43.277	54
81	MP4C	Mx	.023	54
82	MP2A	X	36.46	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2A	Z	63.151	21
84	MP2A	Mx	-.045	21
85	MP2B	X	29.663	21
86	MP2B	Z	51.378	21
87	MP2B	Mx	.024	21
88	MP2C	X	26.046	21
89	MP2C	Z	45.114	21
90	MP2C	Mx	.011	21
91	MP2A	X	36.319	21
92	MP2A	Z	62.907	21
93	MP2A	Mx	.045	21
94	MP2B	X	26.918	21
95	MP2B	Z	46.624	21
96	MP2B	Mx	-.022	21
97	MP2C	X	21.916	21
98	MP2C	Z	37.96	21
99	MP2C	Mx	-.009	21
100	OVP2	X	32.494	6
101	OVP2	Z	56.282	6
102	OVP2	Mx	0	6
103	OVP1	X	32.494	6
104	OVP1	Z	56.282	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	60
2	MP1A	Z	31.759	60
3	MP1A	Mx	-.005	60
4	MP1B	X	0	60
5	MP1B	Z	7.724	60
6	MP1B	Mx	.004	60
7	MP1C	X	0	60
8	MP1C	Z	23.412	60
9	MP1C	Mx	-.008	60
10	MP1A	X	0	6
11	MP1A	Z	85.975	6
12	MP1A	Mx	.015	6
13	MP1A	X	0	30
14	MP1A	Z	85.975	30
15	MP1A	Mx	.015	30
16	MP1B	X	0	6
17	MP1B	Z	37.937	6
18	MP1B	Mx	-.019	6
19	MP1B	X	0	30
20	MP1B	Z	37.937	30
21	MP1B	Mx	-.019	30
22	MP1C	X	0	6
23	MP1C	Z	69.291	6
24	MP1C	Mx	.022	6
25	MP1C	X	0	30
26	MP1C	Z	69.291	30
27	MP1C	Mx	.022	30
28	MP2A	X	0	6
29	MP2A	Z	154.339	6
30	MP2A	Mx	-.058	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP2A	X	0	54
32	MP2A	Z	154.339	54
33	MP2A	Mx	-.058	54
34	MP2B	X	0	6
35	MP2B	Z	107.917	6
36	MP2B	Mx	-.042	6
37	MP2B	X	0	54
38	MP2B	Z	107.917	54
39	MP2B	Mx	-.042	54
40	MP2C	X	0	6
41	MP2C	Z	138.217	6
42	MP2C	Mx	.106	6
43	MP2C	X	0	54
44	MP2C	Z	138.217	54
45	MP2C	Mx	.106	54
46	MP2A	X	0	6
47	MP2A	Z	154.339	6
48	MP2A	Mx	.111	6
49	MP2A	X	0	54
50	MP2A	Z	154.339	54
51	MP2A	Mx	.111	54
52	MP2B	X	0	6
53	MP2B	Z	107.917	6
54	MP2B	Mx	-.064	6
55	MP2B	X	0	54
56	MP2B	Z	107.917	54
57	MP2B	Mx	-.064	54
58	MP2C	X	0	6
59	MP2C	Z	138.217	6
60	MP2C	Mx	-.017	6
61	MP2C	X	0	54
62	MP2C	Z	138.217	54
63	MP2C	Mx	-.017	54
64	MP4A	X	0	6
65	MP4A	Z	87.263	6
66	MP4A	Mx	.015	6
67	MP4A	X	0	54
68	MP4A	Z	87.263	54
69	MP4A	Mx	.015	54
70	MP4B	X	0	6
71	MP4B	Z	45.745	6
72	MP4B	Mx	-.023	6
73	MP4B	X	0	54
74	MP4B	Z	45.745	54
75	MP4B	Mx	-.023	54
76	MP4C	X	0	6
77	MP4C	Z	72.844	6
78	MP4C	Mx	.023	6
79	MP4C	X	0	54
80	MP4C	Z	72.844	54
81	MP4C	Mx	.023	54
82	MP2A	X	0	21
83	MP2A	Z	70.8	21
84	MP2A	Mx	-.042	21
85	MP2B	X	0	21
86	MP2B	Z	49.972	21
87	MP2B	Mx	.005	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
88	MP2C	X	0	21
89	MP2C	Z	63.567	21
90	MP2C	Mx	.03	21
91	MP2A	X	0	21
92	MP2A	Z	69.706	21
93	MP2A	Mx	.041	21
94	MP2B	X	0	21
95	MP2B	Z	40.9	21
96	MP2B	Mx	-.004	21
97	MP2C	X	0	21
98	MP2C	Z	59.702	21
99	MP2C	Mx	-.029	21
100	OVP2	X	0	6
101	OVP2	Z	67.986	6
102	OVP2	Mx	0	6
103	OVP1	X	0	6
104	OVP1	Z	67.986	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-9.259	60
2	MP1A	Z	16.038	60
3	MP1A	Mx	-.007	60
4	MP1B	X	-5.086	60
5	MP1B	Z	8.809	60
6	MP1B	Mx	.005	60
7	MP1C	X	-17.103	60
8	MP1C	Z	29.623	60
9	MP1C	Mx	-.003	60
10	MP1A	X	-29.755	6
11	MP1A	Z	51.538	6
12	MP1A	Mx	.023	6
13	MP1A	X	-29.755	30
14	MP1A	Z	51.538	30
15	MP1A	Mx	.023	30
16	MP1B	X	-21.414	6
17	MP1B	Z	37.09	6
18	MP1B	Mx	-.02	6
19	MP1B	X	-21.414	30
20	MP1B	Z	37.09	30
21	MP1B	Mx	-.02	30
22	MP1C	X	-45.433	6
23	MP1C	Z	78.692	6
24	MP1C	Mx	.008	6
25	MP1C	X	-45.433	30
26	MP1C	Z	78.692	30
27	MP1C	Mx	.008	30
28	MP2A	X	-64.383	6
29	MP2A	Z	111.514	6
30	MP2A	Mx	.001	6
31	MP2A	X	-64.383	54
32	MP2A	Z	111.514	54
33	MP2A	Mx	.001	54
34	MP2B	X	-56.322	6
35	MP2B	Z	97.552	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP2B	Mx	-.075	6
37	MP2B	X	-56.322	54
38	MP2B	Z	97.552	54
39	MP2B	Mx	-.075	54
40	MP2C	X	-79.532	6
41	MP2C	Z	137.754	6
42	MP2C	Mx	.105	6
43	MP2C	X	-79.532	54
44	MP2C	Z	137.754	54
45	MP2C	Mx	.105	54
46	MP2A	X	-64.383	6
47	MP2A	Z	111.514	6
48	MP2A	Mx	.098	6
49	MP2A	X	-64.383	54
50	MP2A	Z	111.514	54
51	MP2A	Mx	.098	54
52	MP2B	X	-56.322	6
53	MP2B	Z	97.552	6
54	MP2B	Mx	-.03	6
55	MP2B	X	-56.322	54
56	MP2B	Z	97.552	54
57	MP2B	Mx	-.03	54
58	MP2C	X	-79.532	6
59	MP2C	Z	137.754	6
60	MP2C	Mx	-.078	6
61	MP2C	X	-79.532	54
62	MP2C	Z	137.754	54
63	MP2C	Mx	-.078	54
64	MP4A	X	-32.195	6
65	MP4A	Z	55.764	6
66	MP4A	Mx	.025	6
67	MP4A	X	-32.195	54
68	MP4A	Z	55.764	54
69	MP4A	Mx	.025	54
70	MP4B	X	-24.986	6
71	MP4B	Z	43.277	6
72	MP4B	Mx	-.023	6
73	MP4B	X	-24.986	54
74	MP4B	Z	43.277	54
75	MP4B	Mx	-.023	54
76	MP4C	X	-45.745	6
77	MP4C	Z	79.232	6
78	MP4C	Mx	.008	6
79	MP4C	X	-45.745	54
80	MP4C	Z	79.232	54
81	MP4C	Mx	.008	54
82	MP2A	X	-29.663	21
83	MP2A	Z	51.378	21
84	MP2A	Mx	-.024	21
85	MP2B	X	-26.046	21
86	MP2B	Z	45.114	21
87	MP2B	Mx	-.011	21
88	MP2C	X	-36.46	21
89	MP2C	Z	63.151	21
90	MP2C	Mx	.045	21
91	MP2A	X	-26.918	21
92	MP2A	Z	46.624	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
93	MP2A	Mx	.022	21
94	MP2B	X	-21.916	21
95	MP2B	Z	37.96	21
96	MP2B	Mx	.009	21
97	MP2C	X	-36.319	21
98	MP2C	Z	62.907	21
99	MP2C	Mx	-.045	21
100	OVP2	X	-42.104	6
101	OVP2	Z	72.926	6
102	OVP2	Mx	0	6
103	OVP1	X	-42.104	6
104	OVP1	Z	72.926	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-6.69	60
2	MP1A	Z	3.862	60
3	MP1A	Mx	-.004	60
4	MP1B	X	-20.276	60
5	MP1B	Z	11.706	60
6	MP1B	Mx	.008	60
7	MP1C	X	-27.504	60
8	MP1C	Z	15.88	60
9	MP1C	Mx	.005	60
10	MP1A	X	-32.854	6
11	MP1A	Z	18.968	6
12	MP1A	Mx	.019	6
13	MP1A	X	-32.854	30
14	MP1A	Z	18.968	30
15	MP1A	Mx	.019	30
16	MP1B	X	-60.008	6
17	MP1B	Z	34.646	6
18	MP1B	Mx	-.022	6
19	MP1B	X	-60.008	30
20	MP1B	Z	34.646	30
21	MP1B	Mx	-.022	30
22	MP1C	X	-74.456	6
23	MP1C	Z	42.987	6
24	MP1C	Mx	-.015	6
25	MP1C	X	-74.456	30
26	MP1C	Z	42.987	30
27	MP1C	Mx	-.015	30
28	MP2A	X	-93.459	6
29	MP2A	Z	53.959	6
30	MP2A	Mx	.042	6
31	MP2A	X	-93.459	54
32	MP2A	Z	53.959	54
33	MP2A	Mx	.042	54
34	MP2B	X	-119.699	6
35	MP2B	Z	69.108	6
36	MP2B	Mx	-.106	6
37	MP2B	X	-119.699	54
38	MP2B	Z	69.108	54
39	MP2B	Mx	-.106	54
40	MP2C	X	-133.662	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP2C	Z	77.17	6
42	MP2C	Mx	.058	6
43	MP2C	X	-133.662	54
44	MP2C	Z	77.17	54
45	MP2C	Mx	.058	54
46	MP2A	X	-93.459	6
47	MP2A	Z	53.959	6
48	MP2A	Mx	.064	6
49	MP2A	X	-93.459	54
50	MP2A	Z	53.959	54
51	MP2A	Mx	.064	54
52	MP2B	X	-119.699	6
53	MP2B	Z	69.108	6
54	MP2B	Mx	.017	6
55	MP2B	X	-119.699	54
56	MP2B	Z	69.108	54
57	MP2B	Mx	.017	54
58	MP2C	X	-133.662	6
59	MP2C	Z	77.17	6
60	MP2C	Mx	-.111	6
61	MP2C	X	-133.662	54
62	MP2C	Z	77.17	54
63	MP2C	Mx	-.111	54
64	MP4A	X	-39.616	6
65	MP4A	Z	22.872	6
66	MP4A	Mx	.023	6
67	MP4A	X	-39.616	54
68	MP4A	Z	22.872	54
69	MP4A	Mx	.023	54
70	MP4B	X	-63.085	6
71	MP4B	Z	36.422	6
72	MP4B	Mx	-.023	6
73	MP4B	X	-63.085	54
74	MP4B	Z	36.422	54
75	MP4B	Mx	-.023	54
76	MP4C	X	-75.572	6
77	MP4C	Z	43.631	6
78	MP4C	Mx	-.015	6
79	MP4C	X	-75.572	54
80	MP4C	Z	43.631	54
81	MP4C	Mx	-.015	54
82	MP2A	X	-43.277	21
83	MP2A	Z	24.986	21
84	MP2A	Mx	-.005	21
85	MP2B	X	-55.05	21
86	MP2B	Z	31.783	21
87	MP2B	Mx	-.03	21
88	MP2C	X	-61.315	21
89	MP2C	Z	35.4	21
90	MP2C	Mx	.042	21
91	MP2A	X	-35.42	21
92	MP2A	Z	20.45	21
93	MP2A	Mx	.004	21
94	MP2B	X	-51.703	21
95	MP2B	Z	29.851	21
96	MP2B	Mx	.029	21
97	MP2C	X	-60.367	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
98	MP2C	Z	34.853	21
99	MP2C	Mx	-.041	21
100	OVP2	X	-84.378	6
101	OVP2	Z	48.715	6
102	OVP2	Mx	0	6
103	OVP1	X	-84.378	6
104	OVP1	Z	48.715	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-10.171	60
2	MP1A	Z	0	60
3	MP1A	Mx	-.005	60
4	MP1B	X	-34.206	60
5	MP1B	Z	0	60
6	MP1B	Mx	.003	60
7	MP1C	X	-18.519	60
8	MP1C	Z	0	60
9	MP1C	Mx	.007	60
10	MP1A	X	-42.827	6
11	MP1A	Z	0	6
12	MP1A	Mx	.02	6
13	MP1A	X	-42.827	30
14	MP1A	Z	0	30
15	MP1A	Mx	.02	30
16	MP1B	X	-90.865	6
17	MP1B	Z	0	6
18	MP1B	Mx	-.008	6
19	MP1B	X	-90.865	30
20	MP1B	Z	0	30
21	MP1B	Mx	-.008	30
22	MP1C	X	-59.511	6
23	MP1C	Z	0	6
24	MP1C	Mx	-.023	6
25	MP1C	X	-59.511	30
26	MP1C	Z	0	30
27	MP1C	Mx	-.023	30
28	MP2A	X	-112.643	6
29	MP2A	Z	0	6
30	MP2A	Mx	.075	6
31	MP2A	X	-112.643	54
32	MP2A	Z	0	54
33	MP2A	Mx	.075	54
34	MP2B	X	-159.065	6
35	MP2B	Z	0	6
36	MP2B	Mx	-.105	6
37	MP2B	X	-159.065	54
38	MP2B	Z	0	54
39	MP2B	Mx	-.105	54
40	MP2C	X	-128.765	6
41	MP2C	Z	0	6
42	MP2C	Mx	-.001	6
43	MP2C	X	-128.765	54
44	MP2C	Z	0	54
45	MP2C	Mx	-.001	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
46	MP2A	X	-112.643	6
47	MP2A	Z	0	6
48	MP2A	Mx	.03	6
49	MP2A	X	-112.643	54
50	MP2A	Z	0	54
51	MP2A	Mx	.03	54
52	MP2B	X	-159.065	6
53	MP2B	Z	0	6
54	MP2B	Mx	.078	6
55	MP2B	X	-159.065	54
56	MP2B	Z	0	54
57	MP2B	Mx	.078	54
58	MP2C	X	-128.765	6
59	MP2C	Z	0	6
60	MP2C	Mx	-.098	6
61	MP2C	X	-128.765	54
62	MP2C	Z	0	54
63	MP2C	Mx	-.098	54
64	MP4A	X	-49.972	6
65	MP4A	Z	0	6
66	MP4A	Mx	.023	6
67	MP4A	X	-49.972	54
68	MP4A	Z	0	54
69	MP4A	Mx	.023	54
70	MP4B	X	-91.49	6
71	MP4B	Z	0	6
72	MP4B	Mx	-.008	6
73	MP4B	X	-91.49	54
74	MP4B	Z	0	54
75	MP4B	Mx	-.008	54
76	MP4C	X	-64.391	6
77	MP4C	Z	0	6
78	MP4C	Mx	-.025	6
79	MP4C	X	-64.391	54
80	MP4C	Z	0	54
81	MP4C	Mx	-.025	54
82	MP2A	X	-52.093	21
83	MP2A	Z	0	21
84	MP2A	Mx	.011	21
85	MP2B	X	-72.921	21
86	MP2B	Z	0	21
87	MP2B	Mx	-.045	21
88	MP2C	X	-59.326	21
89	MP2C	Z	0	21
90	MP2C	Mx	.024	21
91	MP2A	X	-43.832	21
92	MP2A	Z	0	21
93	MP2A	Mx	-.009	21
94	MP2B	X	-72.639	21
95	MP2B	Z	0	21
96	MP2B	Mx	.045	21
97	MP2C	X	-53.837	21
98	MP2C	Z	0	21
99	MP2C	Mx	-.022	21
100	OVP2	X	-94.433	6
101	OVP2	Z	0	6
102	OVP2	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
103	OVP1	X	-94.433	6
104	OVP1	Z	0	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-20.276	60
2	MP1A	Z	-11.706	60
3	MP1A	Mx	-.008	60
4	MP1B	X	-27.504	60
5	MP1B	Z	-15.88	60
6	MP1B	Mx	-.005	60
7	MP1C	X	-6.69	60
8	MP1C	Z	-3.862	60
9	MP1C	Mx	.004	60
10	MP1A	X	-60.008	6
11	MP1A	Z	-34.646	6
12	MP1A	Mx	.022	6
13	MP1A	X	-60.008	30
14	MP1A	Z	-34.646	30
15	MP1A	Mx	.022	30
16	MP1B	X	-74.456	6
17	MP1B	Z	-42.987	6
18	MP1B	Mx	.015	6
19	MP1B	X	-74.456	30
20	MP1B	Z	-42.987	30
21	MP1B	Mx	.015	30
22	MP1C	X	-32.854	6
23	MP1C	Z	-18.968	6
24	MP1C	Mx	-.019	6
25	MP1C	X	-32.854	30
26	MP1C	Z	-18.968	30
27	MP1C	Mx	-.019	30
28	MP2A	X	-119.699	6
29	MP2A	Z	-69.108	6
30	MP2A	Mx	.106	6
31	MP2A	X	-119.699	54
32	MP2A	Z	-69.108	54
33	MP2A	Mx	.106	54
34	MP2B	X	-133.662	6
35	MP2B	Z	-77.17	6
36	MP2B	Mx	-.058	6
37	MP2B	X	-133.662	54
38	MP2B	Z	-77.17	54
39	MP2B	Mx	-.058	54
40	MP2C	X	-93.459	6
41	MP2C	Z	-53.959	6
42	MP2C	Mx	-.042	6
43	MP2C	X	-93.459	54
44	MP2C	Z	-53.959	54
45	MP2C	Mx	-.042	54
46	MP2A	X	-119.699	6
47	MP2A	Z	-69.108	6
48	MP2A	Mx	-.017	6
49	MP2A	X	-119.699	54
50	MP2A	Z	-69.108	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
51	MP2A	Mx	-.017	54
52	MP2B	X	-133.662	6
53	MP2B	Z	-77.17	6
54	MP2B	Mx	.111	6
55	MP2B	X	-133.662	54
56	MP2B	Z	-77.17	54
57	MP2B	Mx	.111	54
58	MP2C	X	-93.459	6
59	MP2C	Z	-53.959	6
60	MP2C	Mx	-.064	6
61	MP2C	X	-93.459	54
62	MP2C	Z	-53.959	54
63	MP2C	Mx	-.064	54
64	MP4A	X	-63.085	6
65	MP4A	Z	-36.422	6
66	MP4A	Mx	.023	6
67	MP4A	X	-63.085	54
68	MP4A	Z	-36.422	54
69	MP4A	Mx	.023	54
70	MP4B	X	-75.572	6
71	MP4B	Z	-43.631	6
72	MP4B	Mx	.015	6
73	MP4B	X	-75.572	54
74	MP4B	Z	-43.631	54
75	MP4B	Mx	.015	54
76	MP4C	X	-39.616	6
77	MP4C	Z	-22.872	6
78	MP4C	Mx	-.023	6
79	MP4C	X	-39.616	54
80	MP4C	Z	-22.872	54
81	MP4C	Mx	-.023	54
82	MP2A	X	-55.05	21
83	MP2A	Z	-31.783	21
84	MP2A	Mx	.03	21
85	MP2B	X	-61.315	21
86	MP2B	Z	-35.4	21
87	MP2B	Mx	-.042	21
88	MP2C	X	-43.277	21
89	MP2C	Z	-24.986	21
90	MP2C	Mx	.005	21
91	MP2A	X	-51.703	21
92	MP2A	Z	-29.851	21
93	MP2A	Mx	-.029	21
94	MP2B	X	-60.367	21
95	MP2B	Z	-34.853	21
96	MP2B	Mx	.041	21
97	MP2C	X	-35.42	21
98	MP2C	Z	-20.45	21
99	MP2C	Mx	-.004	21
100	OVP2	X	-67.734	6
101	OVP2	Z	-39.106	6
102	OVP2	Mx	0	6
103	OVP1	X	-67.734	6
104	OVP1	Z	-39.106	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-17.103	60
2	MP1A	Z	-29.623	60
3	MP1A	Mx	-.003	60
4	MP1B	X	-9.259	60
5	MP1B	Z	-16.038	60
6	MP1B	Mx	-.007	60
7	MP1C	X	-5.086	60
8	MP1C	Z	-8.809	60
9	MP1C	Mx	.005	60
10	MP1A	X	-45.433	6
11	MP1A	Z	-78.692	6
12	MP1A	Mx	.008	6
13	MP1A	X	-45.433	30
14	MP1A	Z	-78.692	30
15	MP1A	Mx	.008	30
16	MP1B	X	-29.755	6
17	MP1B	Z	-51.538	6
18	MP1B	Mx	.023	6
19	MP1B	X	-29.755	30
20	MP1B	Z	-51.538	30
21	MP1B	Mx	.023	30
22	MP1C	X	-21.414	6
23	MP1C	Z	-37.09	6
24	MP1C	Mx	-.02	6
25	MP1C	X	-21.414	30
26	MP1C	Z	-37.09	30
27	MP1C	Mx	-.02	30
28	MP2A	X	-79.532	6
29	MP2A	Z	-137.754	6
30	MP2A	Mx	.105	6
31	MP2A	X	-79.532	54
32	MP2A	Z	-137.754	54
33	MP2A	Mx	.105	54
34	MP2B	X	-64.383	6
35	MP2B	Z	-111.514	6
36	MP2B	Mx	.001	6
37	MP2B	X	-64.383	54
38	MP2B	Z	-111.514	54
39	MP2B	Mx	.001	54
40	MP2C	X	-56.322	6
41	MP2C	Z	-97.552	6
42	MP2C	Mx	-.075	6
43	MP2C	X	-56.322	54
44	MP2C	Z	-97.552	54
45	MP2C	Mx	-.075	54
46	MP2A	X	-79.532	6
47	MP2A	Z	-137.754	6
48	MP2A	Mx	-.078	6
49	MP2A	X	-79.532	54
50	MP2A	Z	-137.754	54
51	MP2A	Mx	-.078	54
52	MP2B	X	-64.383	6
53	MP2B	Z	-111.514	6
54	MP2B	Mx	.098	6
55	MP2B	X	-64.383	54
56	MP2B	Z	-111.514	54
57	MP2B	Mx	.098	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP2C	X	-56.322	6
59	MP2C	Z	-97.552	6
60	MP2C	Mx	-.03	6
61	MP2C	X	-56.322	54
62	MP2C	Z	-97.552	54
63	MP2C	Mx	-.03	54
64	MP4A	X	-45.745	6
65	MP4A	Z	-79.232	6
66	MP4A	Mx	.008	6
67	MP4A	X	-45.745	54
68	MP4A	Z	-79.232	54
69	MP4A	Mx	.008	54
70	MP4B	X	-32.195	6
71	MP4B	Z	-55.764	6
72	MP4B	Mx	.025	6
73	MP4B	X	-32.195	54
74	MP4B	Z	-55.764	54
75	MP4B	Mx	.025	54
76	MP4C	X	-24.986	6
77	MP4C	Z	-43.277	6
78	MP4C	Mx	-.023	6
79	MP4C	X	-24.986	54
80	MP4C	Z	-43.277	54
81	MP4C	Mx	-.023	54
82	MP2A	X	-36.46	21
83	MP2A	Z	-63.151	21
84	MP2A	Mx	.045	21
85	MP2B	X	-29.663	21
86	MP2B	Z	-51.378	21
87	MP2B	Mx	-.024	21
88	MP2C	X	-26.046	21
89	MP2C	Z	-45.114	21
90	MP2C	Mx	-.011	21
91	MP2A	X	-36.319	21
92	MP2A	Z	-62.907	21
93	MP2A	Mx	-.045	21
94	MP2B	X	-26.918	21
95	MP2B	Z	-46.624	21
96	MP2B	Mx	.022	21
97	MP2C	X	-21.916	21
98	MP2C	Z	-37.96	21
99	MP2C	Mx	.009	21
100	OVP2	X	-32.494	6
101	OVP2	Z	-56.282	6
102	OVP2	Mx	0	6
103	OVP1	X	-32.494	6
104	OVP1	Z	-56.282	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	60
2	MP1A	Z	-8.442	60
3	MP1A	Mx	.001	60
4	MP1B	X	0	60
5	MP1B	Z	-3.27	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP1B	Mx	-.002	60
7	MP1C	X	0	60
8	MP1C	Z	-6.646	60
9	MP1C	Mx	.002	60
10	MP1A	X	0	6
11	MP1A	Z	-18.544	6
12	MP1A	Mx	-.003	6
13	MP1A	X	0	30
14	MP1A	Z	-18.544	30
15	MP1A	Mx	-.003	30
16	MP1B	X	0	6
17	MP1B	Z	-9.122	6
18	MP1B	Mx	.004	6
19	MP1B	X	0	30
20	MP1B	Z	-9.122	30
21	MP1B	Mx	.004	30
22	MP1C	X	0	6
23	MP1C	Z	-15.272	6
24	MP1C	Mx	-.005	6
25	MP1C	X	0	30
26	MP1C	Z	-15.272	30
27	MP1C	Mx	-.005	30
28	MP2A	X	0	6
29	MP2A	Z	-32.154	6
30	MP2A	Mx	.012	6
31	MP2A	X	0	54
32	MP2A	Z	-32.154	54
33	MP2A	Mx	.012	54
34	MP2B	X	0	6
35	MP2B	Z	-23.698	6
36	MP2B	Mx	.009	6
37	MP2B	X	0	54
38	MP2B	Z	-23.698	54
39	MP2B	Mx	.009	54
40	MP2C	X	0	6
41	MP2C	Z	-29.217	6
42	MP2C	Mx	-.022	6
43	MP2C	X	0	54
44	MP2C	Z	-29.217	54
45	MP2C	Mx	-.022	54
46	MP2A	X	0	6
47	MP2A	Z	-32.154	6
48	MP2A	Mx	-.023	6
49	MP2A	X	0	54
50	MP2A	Z	-32.154	54
51	MP2A	Mx	-.023	54
52	MP2B	X	0	6
53	MP2B	Z	-23.698	6
54	MP2B	Mx	.014	6
55	MP2B	X	0	54
56	MP2B	Z	-23.698	54
57	MP2B	Mx	.014	54
58	MP2C	X	0	6
59	MP2C	Z	-29.217	6
60	MP2C	Mx	.004	6
61	MP2C	X	0	54
62	MP2C	Z	-29.217	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2C	Mx	.004	54
64	MP4A	X	0	6
65	MP4A	Z	-18.874	6
66	MP4A	Mx	-.003	6
67	MP4A	X	0	54
68	MP4A	Z	-18.874	54
69	MP4A	Mx	-.003	54
70	MP4B	X	0	6
71	MP4B	Z	-11.104	6
72	MP4B	Mx	.005	6
73	MP4B	X	0	54
74	MP4B	Z	-11.104	54
75	MP4B	Mx	.005	54
76	MP4C	X	0	6
77	MP4C	Z	-16.175	6
78	MP4C	Mx	-.005	6
79	MP4C	X	0	54
80	MP4C	Z	-16.175	54
81	MP4C	Mx	-.005	54
82	MP2A	X	0	21
83	MP2A	Z	-16.57	21
84	MP2A	Mx	.01	21
85	MP2B	X	0	21
86	MP2B	Z	-12.303	21
87	MP2B	Mx	-.001	21
88	MP2C	X	0	21
89	MP2C	Z	-15.088	21
90	MP2C	Mx	-.007	21
91	MP2A	X	0	21
92	MP2A	Z	-16.348	21
93	MP2A	Mx	-.01	21
94	MP2B	X	0	21
95	MP2B	Z	-10.459	21
96	MP2B	Mx	.001	21
97	MP2C	X	0	21
98	MP2C	Z	-14.302	21
99	MP2C	Mx	.007	21
100	OVP2	X	0	6
101	OVP2	Z	-16.094	6
102	OVP2	Mx	0	6
103	OVP1	X	0	6
104	OVP1	Z	-16.094	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	2.796	60
2	MP1A	Z	-4.843	60
3	MP1A	Mx	.002	60
4	MP1B	X	1.898	60
5	MP1B	Z	-3.288	60
6	MP1B	Mx	-.002	60
7	MP1C	X	4.484	60
8	MP1C	Z	-7.767	60
9	MP1C	Mx	.000779	60
10	MP1A	X	6.677	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP1A	Z	-11.564	6
12	MP1A	Mx	-.005	6
13	MP1A	X	6.677	30
14	MP1A	Z	-11.564	30
15	MP1A	Mx	-.005	30
16	MP1B	X	5.04	6
17	MP1B	Z	-8.73	6
18	MP1B	Mx	.005	6
19	MP1B	X	5.04	30
20	MP1B	Z	-8.73	30
21	MP1B	Mx	.005	30
22	MP1C	X	9.751	6
23	MP1C	Z	-16.89	6
24	MP1C	Mx	-.002	6
25	MP1C	X	9.751	30
26	MP1C	Z	-16.89	30
27	MP1C	Mx	-.002	30
28	MP2A	X	13.748	6
29	MP2A	Z	-23.812	6
30	MP2A	Mx	-.000222	6
31	MP2A	X	13.748	54
32	MP2A	Z	-23.812	54
33	MP2A	Mx	-.000222	54
34	MP2B	X	12.279	6
35	MP2B	Z	-21.268	6
36	MP2B	Mx	.016	6
37	MP2B	X	12.279	54
38	MP2B	Z	-21.268	54
39	MP2B	Mx	.016	54
40	MP2C	X	16.507	6
41	MP2C	Z	-28.592	6
42	MP2C	Mx	-.022	6
43	MP2C	X	16.507	54
44	MP2C	Z	-28.592	54
45	MP2C	Mx	-.022	54
46	MP2A	X	13.748	6
47	MP2A	Z	-23.812	6
48	MP2A	Mx	-.021	6
49	MP2A	X	13.748	54
50	MP2A	Z	-23.812	54
51	MP2A	Mx	-.021	54
52	MP2B	X	12.279	6
53	MP2B	Z	-21.268	6
54	MP2B	Mx	.007	6
55	MP2B	X	12.279	54
56	MP2B	Z	-21.268	54
57	MP2B	Mx	.007	54
58	MP2C	X	16.507	6
59	MP2C	Z	-28.592	6
60	MP2C	Mx	.016	6
61	MP2C	X	16.507	54
62	MP2C	Z	-28.592	54
63	MP2C	Mx	.016	54
64	MP4A	X	7.297	6
65	MP4A	Z	-12.638	6
66	MP4A	Mx	-.006	6
67	MP4A	X	7.297	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
68	MP4A	Z	-12.638	54
69	MP4A	Mx	-.006	54
70	MP4B	X	5.947	6
71	MP4B	Z	-10.301	6
72	MP4B	Mx	.006	6
73	MP4B	X	5.947	54
74	MP4B	Z	-10.301	54
75	MP4B	Mx	.006	54
76	MP4C	X	9.833	6
77	MP4C	Z	-17.03	6
78	MP4C	Mx	-.002	6
79	MP4C	X	9.833	54
80	MP4C	Z	-17.03	54
81	MP4C	Mx	-.002	54
82	MP2A	X	7.11	21
83	MP2A	Z	-12.314	21
84	MP2A	Mx	.006	21
85	MP2B	X	6.369	21
86	MP2B	Z	-11.031	21
87	MP2B	Mx	.003	21
88	MP2C	X	8.502	21
89	MP2C	Z	-14.726	21
90	MP2C	Mx	-.01	21
91	MP2A	X	6.552	21
92	MP2A	Z	-11.348	21
93	MP2A	Mx	-.005	21
94	MP2B	X	5.529	21
95	MP2B	Z	-9.577	21
96	MP2B	Mx	-.002	21
97	MP2C	X	8.474	21
98	MP2C	Z	-14.677	21
99	MP2C	Mx	.01	21
100	OVP2	X	9.652	6
101	OVP2	Z	-16.718	6
102	OVP2	Mx	0	6
103	OVP1	X	9.652	6
104	OVP1	Z	-16.718	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	2.832	60
2	MP1A	Z	-1.635	60
3	MP1A	Mx	.002	60
4	MP1B	X	5.755	60
5	MP1B	Z	-3.323	60
6	MP1B	Mx	-.002	60
7	MP1C	X	7.311	60
8	MP1C	Z	-4.221	60
9	MP1C	Mx	-.001	60
10	MP1A	X	7.9	6
11	MP1A	Z	-4.561	6
12	MP1A	Mx	-.004	6
13	MP1A	X	7.9	30
14	MP1A	Z	-4.561	30
15	MP1A	Mx	-.004	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP1B	X	13.226	6
17	MP1B	Z	-7.636	6
18	MP1B	Mx	.005	6
19	MP1B	X	13.226	30
20	MP1B	Z	-7.636	30
21	MP1B	Mx	.005	30
22	MP1C	X	16.059	6
23	MP1C	Z	-9.272	6
24	MP1C	Mx	.003	6
25	MP1C	X	16.059	30
26	MP1C	Z	-9.272	30
27	MP1C	Mx	.003	30
28	MP2A	X	20.523	6
29	MP2A	Z	-11.849	6
30	MP2A	Mx	-.009	6
31	MP2A	X	20.523	54
32	MP2A	Z	-11.849	54
33	MP2A	Mx	-.009	54
34	MP2B	X	25.303	6
35	MP2B	Z	-14.609	6
36	MP2B	Mx	.022	6
37	MP2B	X	25.303	54
38	MP2B	Z	-14.609	54
39	MP2B	Mx	.022	54
40	MP2C	X	27.846	6
41	MP2C	Z	-16.077	6
42	MP2C	Mx	-.012	6
43	MP2C	X	27.846	54
44	MP2C	Z	-16.077	54
45	MP2C	Mx	-.012	54
46	MP2A	X	20.523	6
47	MP2A	Z	-11.849	6
48	MP2A	Mx	-.014	6
49	MP2A	X	20.523	54
50	MP2A	Z	-11.849	54
51	MP2A	Mx	-.014	54
52	MP2B	X	25.303	6
53	MP2B	Z	-14.609	6
54	MP2B	Mx	-.004	6
55	MP2B	X	25.303	54
56	MP2B	Z	-14.609	54
57	MP2B	Mx	-.004	54
58	MP2C	X	27.846	6
59	MP2C	Z	-16.077	6
60	MP2C	Mx	.023	6
61	MP2C	X	27.846	54
62	MP2C	Z	-16.077	54
63	MP2C	Mx	.023	54
64	MP4A	X	9.616	6
65	MP4A	Z	-5.552	6
66	MP4A	Mx	-.005	6
67	MP4A	X	9.616	54
68	MP4A	Z	-5.552	54
69	MP4A	Mx	-.005	54
70	MP4B	X	14.008	6
71	MP4B	Z	-8.088	6
72	MP4B	Mx	.005	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP4B	X	14.008	54
74	MP4B	Z	-8.088	54
75	MP4B	Mx	.005	54
76	MP4C	X	16.345	6
77	MP4C	Z	-9.437	6
78	MP4C	Mx	.003	6
79	MP4C	X	16.345	54
80	MP4C	Z	-9.437	54
81	MP4C	Mx	.003	54
82	MP2A	X	10.655	21
83	MP2A	Z	-6.151	21
84	MP2A	Mx	.001	21
85	MP2B	X	13.067	21
86	MP2B	Z	-7.544	21
87	MP2B	Mx	.007	21
88	MP2C	X	14.35	21
89	MP2C	Z	-8.285	21
90	MP2C	Mx	-.01	21
91	MP2A	X	9.058	21
92	MP2A	Z	-5.229	21
93	MP2A	Mx	-.001	21
94	MP2B	X	12.386	21
95	MP2B	Z	-7.151	21
96	MP2B	Mx	-.007	21
97	MP2C	X	14.157	21
98	MP2C	Z	-8.174	21
99	MP2C	Mx	.01	21
100	OVP2	X	18.985	6
101	OVP2	Z	-10.961	6
102	OVP2	Mx	0	6
103	OVP1	X	18.985	6
104	OVP1	Z	-10.961	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	3.796	60
2	MP1A	Z	0	60
3	MP1A	Mx	.002	60
4	MP1B	X	8.969	60
5	MP1B	Z	0	60
6	MP1B	Mx	-.000779	60
7	MP1C	X	5.593	60
8	MP1C	Z	0	60
9	MP1C	Mx	-.002	60
10	MP1A	X	10.081	6
11	MP1A	Z	0	6
12	MP1A	Mx	-.005	6
13	MP1A	X	10.081	30
14	MP1A	Z	0	30
15	MP1A	Mx	-.005	30
16	MP1B	X	19.503	6
17	MP1B	Z	0	6
18	MP1B	Mx	.002	6
19	MP1B	X	19.503	30
20	MP1B	Z	0	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP1B	Mx	.002	30
22	MP1C	X	13.353	6
23	MP1C	Z	0	6
24	MP1C	Mx	.005	6
25	MP1C	X	13.353	30
26	MP1C	Z	0	30
27	MP1C	Mx	.005	30
28	MP2A	X	24.558	6
29	MP2A	Z	0	6
30	MP2A	Mx	-.016	6
31	MP2A	X	24.558	54
32	MP2A	Z	0	54
33	MP2A	Mx	-.016	54
34	MP2B	X	33.015	6
35	MP2B	Z	0	6
36	MP2B	Mx	.022	6
37	MP2B	X	33.015	54
38	MP2B	Z	0	54
39	MP2B	Mx	.022	54
40	MP2C	X	27.495	6
41	MP2C	Z	0	6
42	MP2C	Mx	.000222	6
43	MP2C	X	27.495	54
44	MP2C	Z	0	54
45	MP2C	Mx	.000222	54
46	MP2A	X	24.558	6
47	MP2A	Z	0	6
48	MP2A	Mx	-.007	6
49	MP2A	X	24.558	54
50	MP2A	Z	0	54
51	MP2A	Mx	-.007	54
52	MP2B	X	33.015	6
53	MP2B	Z	0	6
54	MP2B	Mx	-.016	6
55	MP2B	X	33.015	54
56	MP2B	Z	0	54
57	MP2B	Mx	-.016	54
58	MP2C	X	27.495	6
59	MP2C	Z	0	6
60	MP2C	Mx	.021	6
61	MP2C	X	27.495	54
62	MP2C	Z	0	54
63	MP2C	Mx	.021	54
64	MP4A	X	11.895	6
65	MP4A	Z	0	6
66	MP4A	Mx	-.006	6
67	MP4A	X	11.895	54
68	MP4A	Z	0	54
69	MP4A	Mx	-.006	54
70	MP4B	X	19.665	6
71	MP4B	Z	0	6
72	MP4B	Mx	.002	6
73	MP4B	X	19.665	54
74	MP4B	Z	0	54
75	MP4B	Mx	.002	54
76	MP4C	X	14.593	6
77	MP4C	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
78	MP4C	Mx	.006	6
79	MP4C	X	14.593	54
80	MP4C	Z	0	54
81	MP4C	Mx	.006	54
82	MP2A	X	12.737	21
83	MP2A	Z	0	21
84	MP2A	Mx	-.003	21
85	MP2B	X	17.004	21
86	MP2B	Z	0	21
87	MP2B	Mx	.01	21
88	MP2C	X	14.219	21
89	MP2C	Z	0	21
90	MP2C	Mx	-.006	21
91	MP2A	X	11.058	21
92	MP2A	Z	0	21
93	MP2A	Mx	.002	21
94	MP2B	X	16.947	21
95	MP2B	Z	0	21
96	MP2B	Mx	-.01	21
97	MP2C	X	13.104	21
98	MP2C	Z	0	21
99	MP2C	Mx	.005	21
100	OVP2	X	21.328	6
101	OVP2	Z	0	6
102	OVP2	Mx	0	6
103	OVP1	X	21.328	6
104	OVP1	Z	0	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	5.755	60
2	MP1A	Z	3.323	60
3	MP1A	Mx	.002	60
4	MP1B	X	7.311	60
5	MP1B	Z	4.221	60
6	MP1B	Mx	.001	60
7	MP1C	X	2.832	60
8	MP1C	Z	1.635	60
9	MP1C	Mx	-.002	60
10	MP1A	X	13.226	6
11	MP1A	Z	7.636	6
12	MP1A	Mx	-.005	6
13	MP1A	X	13.226	30
14	MP1A	Z	7.636	30
15	MP1A	Mx	-.005	30
16	MP1B	X	16.059	6
17	MP1B	Z	9.272	6
18	MP1B	Mx	-.003	6
19	MP1B	X	16.059	30
20	MP1B	Z	9.272	30
21	MP1B	Mx	-.003	30
22	MP1C	X	7.9	6
23	MP1C	Z	4.561	6
24	MP1C	Mx	.004	6
25	MP1C	X	7.9	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP1C	Z	4.561	30
27	MP1C	Mx	.004	30
28	MP2A	X	25.303	6
29	MP2A	Z	14.609	6
30	MP2A	Mx	-.022	6
31	MP2A	X	25.303	54
32	MP2A	Z	14.609	54
33	MP2A	Mx	-.022	54
34	MP2B	X	27.846	6
35	MP2B	Z	16.077	6
36	MP2B	Mx	.012	6
37	MP2B	X	27.846	54
38	MP2B	Z	16.077	54
39	MP2B	Mx	.012	54
40	MP2C	X	20.523	6
41	MP2C	Z	11.849	6
42	MP2C	Mx	.009	6
43	MP2C	X	20.523	54
44	MP2C	Z	11.849	54
45	MP2C	Mx	.009	54
46	MP2A	X	25.303	6
47	MP2A	Z	14.609	6
48	MP2A	Mx	.004	6
49	MP2A	X	25.303	54
50	MP2A	Z	14.609	54
51	MP2A	Mx	.004	54
52	MP2B	X	27.846	6
53	MP2B	Z	16.077	6
54	MP2B	Mx	-.023	6
55	MP2B	X	27.846	54
56	MP2B	Z	16.077	54
57	MP2B	Mx	-.023	54
58	MP2C	X	20.523	6
59	MP2C	Z	11.849	6
60	MP2C	Mx	.014	6
61	MP2C	X	20.523	54
62	MP2C	Z	11.849	54
63	MP2C	Mx	.014	54
64	MP4A	X	14.008	6
65	MP4A	Z	8.088	6
66	MP4A	Mx	-.005	6
67	MP4A	X	14.008	54
68	MP4A	Z	8.088	54
69	MP4A	Mx	-.005	54
70	MP4B	X	16.345	6
71	MP4B	Z	9.437	6
72	MP4B	Mx	-.003	6
73	MP4B	X	16.345	54
74	MP4B	Z	9.437	54
75	MP4B	Mx	-.003	54
76	MP4C	X	9.616	6
77	MP4C	Z	5.552	6
78	MP4C	Mx	.005	6
79	MP4C	X	9.616	54
80	MP4C	Z	5.552	54
81	MP4C	Mx	.005	54
82	MP2A	X	13.067	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2A	Z	7.544	21
84	MP2A	Mx	-.007	21
85	MP2B	X	14.35	21
86	MP2B	Z	8.285	21
87	MP2B	Mx	.01	21
88	MP2C	X	10.655	21
89	MP2C	Z	6.151	21
90	MP2C	Mx	-.001	21
91	MP2A	X	12.386	21
92	MP2A	Z	7.151	21
93	MP2A	Mx	.007	21
94	MP2B	X	14.157	21
95	MP2B	Z	8.174	21
96	MP2B	Mx	-.01	21
97	MP2C	X	9.058	21
98	MP2C	Z	5.229	21
99	MP2C	Mx	.001	21
100	OVP2	X	15.691	6
101	OVP2	Z	9.059	6
102	OVP2	Mx	0	6
103	OVP1	X	15.691	6
104	OVP1	Z	9.059	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	4.484	60
2	MP1A	Z	7.767	60
3	MP1A	Mx	.000779	60
4	MP1B	X	2.796	60
5	MP1B	Z	4.843	60
6	MP1B	Mx	.002	60
7	MP1C	X	1.898	60
8	MP1C	Z	3.288	60
9	MP1C	Mx	-.002	60
10	MP1A	X	9.751	6
11	MP1A	Z	16.89	6
12	MP1A	Mx	-.002	6
13	MP1A	X	9.751	30
14	MP1A	Z	16.89	30
15	MP1A	Mx	-.002	30
16	MP1B	X	6.677	6
17	MP1B	Z	11.564	6
18	MP1B	Mx	-.005	6
19	MP1B	X	6.677	30
20	MP1B	Z	11.564	30
21	MP1B	Mx	-.005	30
22	MP1C	X	5.04	6
23	MP1C	Z	8.73	6
24	MP1C	Mx	.005	6
25	MP1C	X	5.04	30
26	MP1C	Z	8.73	30
27	MP1C	Mx	.005	30
28	MP2A	X	16.507	6
29	MP2A	Z	28.592	6
30	MP2A	Mx	-.022	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP2A	X	16.507	54
32	MP2A	Z	28.592	54
33	MP2A	Mx	-.022	54
34	MP2B	X	13.748	6
35	MP2B	Z	23.812	6
36	MP2B	Mx	-.000222	6
37	MP2B	X	13.748	54
38	MP2B	Z	23.812	54
39	MP2B	Mx	-.000222	54
40	MP2C	X	12.279	6
41	MP2C	Z	21.268	6
42	MP2C	Mx	.016	6
43	MP2C	X	12.279	54
44	MP2C	Z	21.268	54
45	MP2C	Mx	.016	54
46	MP2A	X	16.507	6
47	MP2A	Z	28.592	6
48	MP2A	Mx	.016	6
49	MP2A	X	16.507	54
50	MP2A	Z	28.592	54
51	MP2A	Mx	.016	54
52	MP2B	X	13.748	6
53	MP2B	Z	23.812	6
54	MP2B	Mx	-.021	6
55	MP2B	X	13.748	54
56	MP2B	Z	23.812	54
57	MP2B	Mx	-.021	54
58	MP2C	X	12.279	6
59	MP2C	Z	21.268	6
60	MP2C	Mx	.007	6
61	MP2C	X	12.279	54
62	MP2C	Z	21.268	54
63	MP2C	Mx	.007	54
64	MP4A	X	9.833	6
65	MP4A	Z	17.03	6
66	MP4A	Mx	-.002	6
67	MP4A	X	9.833	54
68	MP4A	Z	17.03	54
69	MP4A	Mx	-.002	54
70	MP4B	X	7.297	6
71	MP4B	Z	12.638	6
72	MP4B	Mx	-.006	6
73	MP4B	X	7.297	54
74	MP4B	Z	12.638	54
75	MP4B	Mx	-.006	54
76	MP4C	X	5.947	6
77	MP4C	Z	10.301	6
78	MP4C	Mx	.006	6
79	MP4C	X	5.947	54
80	MP4C	Z	10.301	54
81	MP4C	Mx	.006	54
82	MP2A	X	8.502	21
83	MP2A	Z	14.726	21
84	MP2A	Mx	-.01	21
85	MP2B	X	7.11	21
86	MP2B	Z	12.314	21
87	MP2B	Mx	.006	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
88	MP2C	X	6.369	21
89	MP2C	Z	11.031	21
90	MP2C	Mx	.003	21
91	MP2A	X	8.474	21
92	MP2A	Z	14.677	21
93	MP2A	Mx	.01	21
94	MP2B	X	6.552	21
95	MP2B	Z	11.348	21
96	MP2B	Mx	-.005	21
97	MP2C	X	5.529	21
98	MP2C	Z	9.577	21
99	MP2C	Mx	-.002	21
100	OVP2	X	7.751	6
101	OVP2	Z	13.424	6
102	OVP2	Mx	0	6
103	OVP1	X	7.751	6
104	OVP1	Z	13.424	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	60
2	MP1A	Z	8.442	60
3	MP1A	Mx	-.001	60
4	MP1B	X	0	60
5	MP1B	Z	3.27	60
6	MP1B	Mx	.002	60
7	MP1C	X	0	60
8	MP1C	Z	6.646	60
9	MP1C	Mx	-.002	60
10	MP1A	X	0	6
11	MP1A	Z	18.544	6
12	MP1A	Mx	.003	6
13	MP1A	X	0	30
14	MP1A	Z	18.544	30
15	MP1A	Mx	.003	30
16	MP1B	X	0	6
17	MP1B	Z	9.122	6
18	MP1B	Mx	-.004	6
19	MP1B	X	0	30
20	MP1B	Z	9.122	30
21	MP1B	Mx	-.004	30
22	MP1C	X	0	6
23	MP1C	Z	15.272	6
24	MP1C	Mx	.005	6
25	MP1C	X	0	30
26	MP1C	Z	15.272	30
27	MP1C	Mx	.005	30
28	MP2A	X	0	6
29	MP2A	Z	32.154	6
30	MP2A	Mx	-.012	6
31	MP2A	X	0	54
32	MP2A	Z	32.154	54
33	MP2A	Mx	-.012	54
34	MP2B	X	0	6
35	MP2B	Z	23.698	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP2B	Mx	-.009	6
37	MP2B	X	0	54
38	MP2B	Z	23.698	54
39	MP2B	Mx	-.009	54
40	MP2C	X	0	6
41	MP2C	Z	29.217	6
42	MP2C	Mx	.022	6
43	MP2C	X	0	54
44	MP2C	Z	29.217	54
45	MP2C	Mx	.022	54
46	MP2A	X	0	6
47	MP2A	Z	32.154	6
48	MP2A	Mx	.023	6
49	MP2A	X	0	54
50	MP2A	Z	32.154	54
51	MP2A	Mx	.023	54
52	MP2B	X	0	6
53	MP2B	Z	23.698	6
54	MP2B	Mx	-.014	6
55	MP2B	X	0	54
56	MP2B	Z	23.698	54
57	MP2B	Mx	-.014	54
58	MP2C	X	0	6
59	MP2C	Z	29.217	6
60	MP2C	Mx	-.004	6
61	MP2C	X	0	54
62	MP2C	Z	29.217	54
63	MP2C	Mx	-.004	54
64	MP4A	X	0	6
65	MP4A	Z	18.874	6
66	MP4A	Mx	.003	6
67	MP4A	X	0	54
68	MP4A	Z	18.874	54
69	MP4A	Mx	.003	54
70	MP4B	X	0	6
71	MP4B	Z	11.104	6
72	MP4B	Mx	-.005	6
73	MP4B	X	0	54
74	MP4B	Z	11.104	54
75	MP4B	Mx	-.005	54
76	MP4C	X	0	6
77	MP4C	Z	16.175	6
78	MP4C	Mx	.005	6
79	MP4C	X	0	54
80	MP4C	Z	16.175	54
81	MP4C	Mx	.005	54
82	MP2A	X	0	21
83	MP2A	Z	16.57	21
84	MP2A	Mx	-.01	21
85	MP2B	X	0	21
86	MP2B	Z	12.303	21
87	MP2B	Mx	.001	21
88	MP2C	X	0	21
89	MP2C	Z	15.088	21
90	MP2C	Mx	.007	21
91	MP2A	X	0	21
92	MP2A	Z	16.348	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
93	MP2A	Mx	.01	21
94	MP2B	X	0	21
95	MP2B	Z	10.459	21
96	MP2B	Mx	-.001	21
97	MP2C	X	0	21
98	MP2C	Z	14.302	21
99	MP2C	Mx	-.007	21
100	OVP2	X	0	6
101	OVP2	Z	16.094	6
102	OVP2	Mx	0	6
103	OVP1	X	0	6
104	OVP1	Z	16.094	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-2.796	60
2	MP1A	Z	4.843	60
3	MP1A	Mx	-.002	60
4	MP1B	X	-1.898	60
5	MP1B	Z	3.288	60
6	MP1B	Mx	.002	60
7	MP1C	X	-4.484	60
8	MP1C	Z	7.767	60
9	MP1C	Mx	-.000779	60
10	MP1A	X	-6.677	6
11	MP1A	Z	11.564	6
12	MP1A	Mx	.005	6
13	MP1A	X	-6.677	30
14	MP1A	Z	11.564	30
15	MP1A	Mx	.005	30
16	MP1B	X	-5.04	6
17	MP1B	Z	8.73	6
18	MP1B	Mx	-.005	6
19	MP1B	X	-5.04	30
20	MP1B	Z	8.73	30
21	MP1B	Mx	-.005	30
22	MP1C	X	-9.751	6
23	MP1C	Z	16.89	6
24	MP1C	Mx	.002	6
25	MP1C	X	-9.751	30
26	MP1C	Z	16.89	30
27	MP1C	Mx	.002	30
28	MP2A	X	-13.748	6
29	MP2A	Z	23.812	6
30	MP2A	Mx	.000222	6
31	MP2A	X	-13.748	54
32	MP2A	Z	23.812	54
33	MP2A	Mx	.000222	54
34	MP2B	X	-12.279	6
35	MP2B	Z	21.268	6
36	MP2B	Mx	-.016	6
37	MP2B	X	-12.279	54
38	MP2B	Z	21.268	54
39	MP2B	Mx	-.016	54
40	MP2C	X	-16.507	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP2C	Z	28.592	6
42	MP2C	Mx	.022	6
43	MP2C	X	-16.507	54
44	MP2C	Z	28.592	54
45	MP2C	Mx	.022	54
46	MP2A	X	-13.748	6
47	MP2A	Z	23.812	6
48	MP2A	Mx	.021	6
49	MP2A	X	-13.748	54
50	MP2A	Z	23.812	54
51	MP2A	Mx	.021	54
52	MP2B	X	-12.279	6
53	MP2B	Z	21.268	6
54	MP2B	Mx	-.007	6
55	MP2B	X	-12.279	54
56	MP2B	Z	21.268	54
57	MP2B	Mx	-.007	54
58	MP2C	X	-16.507	6
59	MP2C	Z	28.592	6
60	MP2C	Mx	-.016	6
61	MP2C	X	-16.507	54
62	MP2C	Z	28.592	54
63	MP2C	Mx	-.016	54
64	MP4A	X	-7.297	6
65	MP4A	Z	12.638	6
66	MP4A	Mx	.006	6
67	MP4A	X	-7.297	54
68	MP4A	Z	12.638	54
69	MP4A	Mx	.006	54
70	MP4B	X	-5.947	6
71	MP4B	Z	10.301	6
72	MP4B	Mx	-.006	6
73	MP4B	X	-5.947	54
74	MP4B	Z	10.301	54
75	MP4B	Mx	-.006	54
76	MP4C	X	-9.833	6
77	MP4C	Z	17.03	6
78	MP4C	Mx	.002	6
79	MP4C	X	-9.833	54
80	MP4C	Z	17.03	54
81	MP4C	Mx	.002	54
82	MP2A	X	-7.11	21
83	MP2A	Z	12.314	21
84	MP2A	Mx	-.006	21
85	MP2B	X	-6.369	21
86	MP2B	Z	11.031	21
87	MP2B	Mx	-.003	21
88	MP2C	X	-8.502	21
89	MP2C	Z	14.726	21
90	MP2C	Mx	.01	21
91	MP2A	X	-6.552	21
92	MP2A	Z	11.348	21
93	MP2A	Mx	.005	21
94	MP2B	X	-5.529	21
95	MP2B	Z	9.577	21
96	MP2B	Mx	.002	21
97	MP2C	X	-8.474	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
98	MP2C	Z	14.677	21
99	MP2C	Mx	-.01	21
100	OVP2	X	-9.652	6
101	OVP2	Z	16.718	6
102	OVP2	Mx	0	6
103	OVP1	X	-9.652	6
104	OVP1	Z	16.718	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-2.832	60
2	MP1A	Z	1.635	60
3	MP1A	Mx	-.002	60
4	MP1B	X	-5.755	60
5	MP1B	Z	3.323	60
6	MP1B	Mx	.002	60
7	MP1C	X	-7.311	60
8	MP1C	Z	4.221	60
9	MP1C	Mx	.001	60
10	MP1A	X	-7.9	6
11	MP1A	Z	4.561	6
12	MP1A	Mx	.004	6
13	MP1A	X	-7.9	30
14	MP1A	Z	4.561	30
15	MP1A	Mx	.004	30
16	MP1B	X	-13.226	6
17	MP1B	Z	7.636	6
18	MP1B	Mx	-.005	6
19	MP1B	X	-13.226	30
20	MP1B	Z	7.636	30
21	MP1B	Mx	-.005	30
22	MP1C	X	-16.059	6
23	MP1C	Z	9.272	6
24	MP1C	Mx	-.003	6
25	MP1C	X	-16.059	30
26	MP1C	Z	9.272	30
27	MP1C	Mx	-.003	30
28	MP2A	X	-20.523	6
29	MP2A	Z	11.849	6
30	MP2A	Mx	.009	6
31	MP2A	X	-20.523	54
32	MP2A	Z	11.849	54
33	MP2A	Mx	.009	54
34	MP2B	X	-25.303	6
35	MP2B	Z	14.609	6
36	MP2B	Mx	-.022	6
37	MP2B	X	-25.303	54
38	MP2B	Z	14.609	54
39	MP2B	Mx	-.022	54
40	MP2C	X	-27.846	6
41	MP2C	Z	16.077	6
42	MP2C	Mx	.012	6
43	MP2C	X	-27.846	54
44	MP2C	Z	16.077	54
45	MP2C	Mx	.012	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
46	MP2A	X	-20.523	6
47	MP2A	Z	11.849	6
48	MP2A	Mx	.014	6
49	MP2A	X	-20.523	54
50	MP2A	Z	11.849	54
51	MP2A	Mx	.014	54
52	MP2B	X	-25.303	6
53	MP2B	Z	14.609	6
54	MP2B	Mx	.004	6
55	MP2B	X	-25.303	54
56	MP2B	Z	14.609	54
57	MP2B	Mx	.004	54
58	MP2C	X	-27.846	6
59	MP2C	Z	16.077	6
60	MP2C	Mx	-.023	6
61	MP2C	X	-27.846	54
62	MP2C	Z	16.077	54
63	MP2C	Mx	-.023	54
64	MP4A	X	-9.616	6
65	MP4A	Z	5.552	6
66	MP4A	Mx	.005	6
67	MP4A	X	-9.616	54
68	MP4A	Z	5.552	54
69	MP4A	Mx	.005	54
70	MP4B	X	-14.008	6
71	MP4B	Z	8.088	6
72	MP4B	Mx	-.005	6
73	MP4B	X	-14.008	54
74	MP4B	Z	8.088	54
75	MP4B	Mx	-.005	54
76	MP4C	X	-16.345	6
77	MP4C	Z	9.437	6
78	MP4C	Mx	-.003	6
79	MP4C	X	-16.345	54
80	MP4C	Z	9.437	54
81	MP4C	Mx	-.003	54
82	MP2A	X	-10.655	21
83	MP2A	Z	6.151	21
84	MP2A	Mx	-.001	21
85	MP2B	X	-13.067	21
86	MP2B	Z	7.544	21
87	MP2B	Mx	-.007	21
88	MP2C	X	-14.35	21
89	MP2C	Z	8.285	21
90	MP2C	Mx	.01	21
91	MP2A	X	-9.058	21
92	MP2A	Z	5.229	21
93	MP2A	Mx	.001	21
94	MP2B	X	-12.386	21
95	MP2B	Z	7.151	21
96	MP2B	Mx	.007	21
97	MP2C	X	-14.157	21
98	MP2C	Z	8.174	21
99	MP2C	Mx	-.01	21
100	OVP2	X	-18.985	6
101	OVP2	Z	10.961	6
102	OVP2	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
103	OVP1	X	-18.985	6
104	OVP1	Z	10.961	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-3.796	60
2	MP1A	Z	0	60
3	MP1A	Mx	-.002	60
4	MP1B	X	-8.969	60
5	MP1B	Z	0	60
6	MP1B	Mx	.000779	60
7	MP1C	X	-5.593	60
8	MP1C	Z	0	60
9	MP1C	Mx	.002	60
10	MP1A	X	-10.081	6
11	MP1A	Z	0	6
12	MP1A	Mx	.005	6
13	MP1A	X	-10.081	30
14	MP1A	Z	0	30
15	MP1A	Mx	.005	30
16	MP1B	X	-19.503	6
17	MP1B	Z	0	6
18	MP1B	Mx	-.002	6
19	MP1B	X	-19.503	30
20	MP1B	Z	0	30
21	MP1B	Mx	-.002	30
22	MP1C	X	-13.353	6
23	MP1C	Z	0	6
24	MP1C	Mx	-.005	6
25	MP1C	X	-13.353	30
26	MP1C	Z	0	30
27	MP1C	Mx	-.005	30
28	MP2A	X	-24.558	6
29	MP2A	Z	0	6
30	MP2A	Mx	.016	6
31	MP2A	X	-24.558	54
32	MP2A	Z	0	54
33	MP2A	Mx	.016	54
34	MP2B	X	-33.015	6
35	MP2B	Z	0	6
36	MP2B	Mx	-.022	6
37	MP2B	X	-33.015	54
38	MP2B	Z	0	54
39	MP2B	Mx	-.022	54
40	MP2C	X	-27.495	6
41	MP2C	Z	0	6
42	MP2C	Mx	-.000222	6
43	MP2C	X	-27.495	54
44	MP2C	Z	0	54
45	MP2C	Mx	-.000222	54
46	MP2A	X	-24.558	6
47	MP2A	Z	0	6
48	MP2A	Mx	.007	6
49	MP2A	X	-24.558	54
50	MP2A	Z	0	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
51	MP2A	Mx	.007	54
52	MP2B	X	-33.015	6
53	MP2B	Z	0	6
54	MP2B	Mx	.016	6
55	MP2B	X	-33.015	54
56	MP2B	Z	0	54
57	MP2B	Mx	.016	54
58	MP2C	X	-27.495	6
59	MP2C	Z	0	6
60	MP2C	Mx	-.021	6
61	MP2C	X	-27.495	54
62	MP2C	Z	0	54
63	MP2C	Mx	-.021	54
64	MP4A	X	-11.895	6
65	MP4A	Z	0	6
66	MP4A	Mx	.006	6
67	MP4A	X	-11.895	54
68	MP4A	Z	0	54
69	MP4A	Mx	.006	54
70	MP4B	X	-19.665	6
71	MP4B	Z	0	6
72	MP4B	Mx	-.002	6
73	MP4B	X	-19.665	54
74	MP4B	Z	0	54
75	MP4B	Mx	-.002	54
76	MP4C	X	-14.593	6
77	MP4C	Z	0	6
78	MP4C	Mx	-.006	6
79	MP4C	X	-14.593	54
80	MP4C	Z	0	54
81	MP4C	Mx	-.006	54
82	MP2A	X	-12.737	21
83	MP2A	Z	0	21
84	MP2A	Mx	.003	21
85	MP2B	X	-17.004	21
86	MP2B	Z	0	21
87	MP2B	Mx	-.01	21
88	MP2C	X	-14.219	21
89	MP2C	Z	0	21
90	MP2C	Mx	.006	21
91	MP2A	X	-11.058	21
92	MP2A	Z	0	21
93	MP2A	Mx	-.002	21
94	MP2B	X	-16.947	21
95	MP2B	Z	0	21
96	MP2B	Mx	.01	21
97	MP2C	X	-13.104	21
98	MP2C	Z	0	21
99	MP2C	Mx	-.005	21
100	OVP2	X	-21.328	6
101	OVP2	Z	0	6
102	OVP2	Mx	0	6
103	OVP1	X	-21.328	6
104	OVP1	Z	0	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-5.755	60
2	MP1A	Z	-3.323	60
3	MP1A	Mx	-.002	60
4	MP1B	X	-7.311	60
5	MP1B	Z	-4.221	60
6	MP1B	Mx	-.001	60
7	MP1C	X	-2.832	60
8	MP1C	Z	-1.635	60
9	MP1C	Mx	.002	60
10	MP1A	X	-13.226	6
11	MP1A	Z	-7.636	6
12	MP1A	Mx	.005	6
13	MP1A	X	-13.226	30
14	MP1A	Z	-7.636	30
15	MP1A	Mx	.005	30
16	MP1B	X	-16.059	6
17	MP1B	Z	-9.272	6
18	MP1B	Mx	.003	6
19	MP1B	X	-16.059	30
20	MP1B	Z	-9.272	30
21	MP1B	Mx	.003	30
22	MP1C	X	-7.9	6
23	MP1C	Z	-4.561	6
24	MP1C	Mx	-.004	6
25	MP1C	X	-7.9	30
26	MP1C	Z	-4.561	30
27	MP1C	Mx	-.004	30
28	MP2A	X	-25.303	6
29	MP2A	Z	-14.609	6
30	MP2A	Mx	.022	6
31	MP2A	X	-25.303	54
32	MP2A	Z	-14.609	54
33	MP2A	Mx	.022	54
34	MP2B	X	-27.846	6
35	MP2B	Z	-16.077	6
36	MP2B	Mx	-.012	6
37	MP2B	X	-27.846	54
38	MP2B	Z	-16.077	54
39	MP2B	Mx	-.012	54
40	MP2C	X	-20.523	6
41	MP2C	Z	-11.849	6
42	MP2C	Mx	-.009	6
43	MP2C	X	-20.523	54
44	MP2C	Z	-11.849	54
45	MP2C	Mx	-.009	54
46	MP2A	X	-25.303	6
47	MP2A	Z	-14.609	6
48	MP2A	Mx	-.004	6
49	MP2A	X	-25.303	54
50	MP2A	Z	-14.609	54
51	MP2A	Mx	-.004	54
52	MP2B	X	-27.846	6
53	MP2B	Z	-16.077	6
54	MP2B	Mx	.023	6
55	MP2B	X	-27.846	54
56	MP2B	Z	-16.077	54
57	MP2B	Mx	.023	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP2C	X	-20.523	6
59	MP2C	Z	-11.849	6
60	MP2C	Mx	-.014	6
61	MP2C	X	-20.523	54
62	MP2C	Z	-11.849	54
63	MP2C	Mx	-.014	54
64	MP4A	X	-14.008	6
65	MP4A	Z	-8.088	6
66	MP4A	Mx	.005	6
67	MP4A	X	-14.008	54
68	MP4A	Z	-8.088	54
69	MP4A	Mx	.005	54
70	MP4B	X	-16.345	6
71	MP4B	Z	-9.437	6
72	MP4B	Mx	.003	6
73	MP4B	X	-16.345	54
74	MP4B	Z	-9.437	54
75	MP4B	Mx	.003	54
76	MP4C	X	-9.616	6
77	MP4C	Z	-5.552	6
78	MP4C	Mx	-.005	6
79	MP4C	X	-9.616	54
80	MP4C	Z	-5.552	54
81	MP4C	Mx	-.005	54
82	MP2A	X	-13.067	21
83	MP2A	Z	-7.544	21
84	MP2A	Mx	.007	21
85	MP2B	X	-14.35	21
86	MP2B	Z	-8.285	21
87	MP2B	Mx	-.01	21
88	MP2C	X	-10.655	21
89	MP2C	Z	-6.151	21
90	MP2C	Mx	.001	21
91	MP2A	X	-12.386	21
92	MP2A	Z	-7.151	21
93	MP2A	Mx	-.007	21
94	MP2B	X	-14.157	21
95	MP2B	Z	-8.174	21
96	MP2B	Mx	.01	21
97	MP2C	X	-9.058	21
98	MP2C	Z	-5.229	21
99	MP2C	Mx	-.001	21
100	OVP2	X	-15.691	6
101	OVP2	Z	-9.059	6
102	OVP2	Mx	0	6
103	OVP1	X	-15.691	6
104	OVP1	Z	-9.059	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-4.484	60
2	MP1A	Z	-7.767	60
3	MP1A	Mx	-.000779	60
4	MP1B	X	-2.796	60
5	MP1B	Z	-4.843	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP1B	Mx	-.002	60
7	MP1C	X	-1.898	60
8	MP1C	Z	-3.288	60
9	MP1C	Mx	.002	60
10	MP1A	X	-9.751	6
11	MP1A	Z	-16.89	6
12	MP1A	Mx	.002	6
13	MP1A	X	-9.751	30
14	MP1A	Z	-16.89	30
15	MP1A	Mx	.002	30
16	MP1B	X	-6.677	6
17	MP1B	Z	-11.564	6
18	MP1B	Mx	.005	6
19	MP1B	X	-6.677	30
20	MP1B	Z	-11.564	30
21	MP1B	Mx	.005	30
22	MP1C	X	-5.04	6
23	MP1C	Z	-8.73	6
24	MP1C	Mx	-.005	6
25	MP1C	X	-5.04	30
26	MP1C	Z	-8.73	30
27	MP1C	Mx	-.005	30
28	MP2A	X	-16.507	6
29	MP2A	Z	-28.592	6
30	MP2A	Mx	.022	6
31	MP2A	X	-16.507	54
32	MP2A	Z	-28.592	54
33	MP2A	Mx	.022	54
34	MP2B	X	-13.748	6
35	MP2B	Z	-23.812	6
36	MP2B	Mx	.000222	6
37	MP2B	X	-13.748	54
38	MP2B	Z	-23.812	54
39	MP2B	Mx	.000222	54
40	MP2C	X	-12.279	6
41	MP2C	Z	-21.268	6
42	MP2C	Mx	-.016	6
43	MP2C	X	-12.279	54
44	MP2C	Z	-21.268	54
45	MP2C	Mx	-.016	54
46	MP2A	X	-16.507	6
47	MP2A	Z	-28.592	6
48	MP2A	Mx	-.016	6
49	MP2A	X	-16.507	54
50	MP2A	Z	-28.592	54
51	MP2A	Mx	-.016	54
52	MP2B	X	-13.748	6
53	MP2B	Z	-23.812	6
54	MP2B	Mx	.021	6
55	MP2B	X	-13.748	54
56	MP2B	Z	-23.812	54
57	MP2B	Mx	.021	54
58	MP2C	X	-12.279	6
59	MP2C	Z	-21.268	6
60	MP2C	Mx	-.007	6
61	MP2C	X	-12.279	54
62	MP2C	Z	-21.268	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2C	Mx	-.007	54
64	MP4A	X	-9.833	6
65	MP4A	Z	-17.03	6
66	MP4A	Mx	.002	6
67	MP4A	X	-9.833	54
68	MP4A	Z	-17.03	54
69	MP4A	Mx	.002	54
70	MP4B	X	-7.297	6
71	MP4B	Z	-12.638	6
72	MP4B	Mx	.006	6
73	MP4B	X	-7.297	54
74	MP4B	Z	-12.638	54
75	MP4B	Mx	.006	54
76	MP4C	X	-5.947	6
77	MP4C	Z	-10.301	6
78	MP4C	Mx	-.006	6
79	MP4C	X	-5.947	54
80	MP4C	Z	-10.301	54
81	MP4C	Mx	-.006	54
82	MP2A	X	-8.502	21
83	MP2A	Z	-14.726	21
84	MP2A	Mx	.01	21
85	MP2B	X	-7.11	21
86	MP2B	Z	-12.314	21
87	MP2B	Mx	-.006	21
88	MP2C	X	-6.369	21
89	MP2C	Z	-11.031	21
90	MP2C	Mx	-.003	21
91	MP2A	X	-8.474	21
92	MP2A	Z	-14.677	21
93	MP2A	Mx	-.01	21
94	MP2B	X	-6.552	21
95	MP2B	Z	-11.348	21
96	MP2B	Mx	.005	21
97	MP2C	X	-5.529	21
98	MP2C	Z	-9.577	21
99	MP2C	Mx	.002	21
100	OVP2	X	-7.751	6
101	OVP2	Z	-13.424	6
102	OVP2	Mx	0	6
103	OVP1	X	-7.751	6
104	OVP1	Z	-13.424	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	60
2	MP1A	Z	-2.053	60
3	MP1A	Mx	.000351	60
4	MP1B	X	0	60
5	MP1B	Z	-.499	60
6	MP1B	Mx	-.000246	60
7	MP1C	X	0	60
8	MP1C	Z	-1.513	60
9	MP1C	Mx	.000486	60
10	MP1A	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP1A	Z	-5.557	6
12	MP1A	Mx	-.00095	6
13	MP1A	X	0	30
14	MP1A	Z	-5.557	30
15	MP1A	Mx	-.00095	30
16	MP1B	X	0	6
17	MP1B	Z	-2.452	6
18	MP1B	Mx	.001	6
19	MP1B	X	0	30
20	MP1B	Z	-2.452	30
21	MP1B	Mx	.001	30
22	MP1C	X	0	6
23	MP1C	Z	-4.479	6
24	MP1C	Mx	-.001	6
25	MP1C	X	0	30
26	MP1C	Z	-4.479	30
27	MP1C	Mx	-.001	30
28	MP2A	X	0	6
29	MP2A	Z	-9.976	6
30	MP2A	Mx	.004	6
31	MP2A	X	0	54
32	MP2A	Z	-9.976	54
33	MP2A	Mx	.004	54
34	MP2B	X	0	6
35	MP2B	Z	-6.975	6
36	MP2B	Mx	.003	6
37	MP2B	X	0	54
38	MP2B	Z	-6.975	54
39	MP2B	Mx	.003	54
40	MP2C	X	0	6
41	MP2C	Z	-8.934	6
42	MP2C	Mx	-.007	6
43	MP2C	X	0	54
44	MP2C	Z	-8.934	54
45	MP2C	Mx	-.007	54
46	MP2A	X	0	6
47	MP2A	Z	-9.976	6
48	MP2A	Mx	-.007	6
49	MP2A	X	0	54
50	MP2A	Z	-9.976	54
51	MP2A	Mx	-.007	54
52	MP2B	X	0	6
53	MP2B	Z	-6.975	6
54	MP2B	Mx	.004	6
55	MP2B	X	0	54
56	MP2B	Z	-6.975	54
57	MP2B	Mx	.004	54
58	MP2C	X	0	6
59	MP2C	Z	-8.934	6
60	MP2C	Mx	.001	6
61	MP2C	X	0	54
62	MP2C	Z	-8.934	54
63	MP2C	Mx	.001	54
64	MP4A	X	0	6
65	MP4A	Z	-5.64	6
66	MP4A	Mx	-.000964	6
67	MP4A	X	0	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
68	MP4A	Z	-5.64	54
69	MP4A	Mx	-.000964	54
70	MP4B	X	0	6
71	MP4B	Z	-2.957	6
72	MP4B	Mx	.001	6
73	MP4B	X	0	54
74	MP4B	Z	-2.957	54
75	MP4B	Mx	.001	54
76	MP4C	X	0	6
77	MP4C	Z	-4.708	6
78	MP4C	Mx	-.002	6
79	MP4C	X	0	54
80	MP4C	Z	-4.708	54
81	MP4C	Mx	-.002	54
82	MP2A	X	0	21
83	MP2A	Z	-4.576	21
84	MP2A	Mx	.003	21
85	MP2B	X	0	21
86	MP2B	Z	-3.23	21
87	MP2B	Mx	-.000351	21
88	MP2C	X	0	21
89	MP2C	Z	-4.109	21
90	MP2C	Mx	-.002	21
91	MP2A	X	0	21
92	MP2A	Z	-4.506	21
93	MP2A	Mx	-.003	21
94	MP2B	X	0	21
95	MP2B	Z	-2.644	21
96	MP2B	Mx	.000287	21
97	MP2C	X	0	21
98	MP2C	Z	-3.859	21
99	MP2C	Mx	.002	21
100	OVP2	X	0	6
101	OVP2	Z	-4.394	6
102	OVP2	Mx	0	6
103	OVP1	X	0	6
104	OVP1	Z	-4.394	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	.598	60
2	MP1A	Z	-1.037	60
3	MP1A	Mx	.000458	60
4	MP1B	X	.329	60
5	MP1B	Z	-.569	60
6	MP1B	Mx	-.000309	60
7	MP1C	X	1.105	60
8	MP1C	Z	-1.915	60
9	MP1C	Mx	.000192	60
10	MP1A	X	1.923	6
11	MP1A	Z	-3.331	6
12	MP1A	Mx	-.001	6
13	MP1A	X	1.923	30
14	MP1A	Z	-3.331	30
15	MP1A	Mx	-.001	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP1B	X	1.384	6
17	MP1B	Z	-2.397	6
18	MP1B	Mx	.001	6
19	MP1B	X	1.384	30
20	MP1B	Z	-2.397	30
21	MP1B	Mx	.001	30
22	MP1C	X	2.937	6
23	MP1C	Z	-5.086	6
24	MP1C	Mx	-.00051	6
25	MP1C	X	2.937	30
26	MP1C	Z	-5.086	30
27	MP1C	Mx	-.00051	30
28	MP2A	X	4.161	6
29	MP2A	Z	-7.208	6
30	MP2A	Mx	-6.7e-5	6
31	MP2A	X	4.161	54
32	MP2A	Z	-7.208	54
33	MP2A	Mx	-6.7e-5	54
34	MP2B	X	3.64	6
35	MP2B	Z	-6.305	6
36	MP2B	Mx	.005	6
37	MP2B	X	3.64	54
38	MP2B	Z	-6.305	54
39	MP2B	Mx	.005	54
40	MP2C	X	5.141	6
41	MP2C	Z	-8.904	6
42	MP2C	Mx	-.007	6
43	MP2C	X	5.141	54
44	MP2C	Z	-8.904	54
45	MP2C	Mx	-.007	54
46	MP2A	X	4.161	6
47	MP2A	Z	-7.208	6
48	MP2A	Mx	-.006	6
49	MP2A	X	4.161	54
50	MP2A	Z	-7.208	54
51	MP2A	Mx	-.006	54
52	MP2B	X	3.64	6
53	MP2B	Z	-6.305	6
54	MP2B	Mx	.002	6
55	MP2B	X	3.64	54
56	MP2B	Z	-6.305	54
57	MP2B	Mx	.002	54
58	MP2C	X	5.141	6
59	MP2C	Z	-8.904	6
60	MP2C	Mx	.005	6
61	MP2C	X	5.141	54
62	MP2C	Z	-8.904	54
63	MP2C	Mx	.005	54
64	MP4A	X	2.081	6
65	MP4A	Z	-3.604	6
66	MP4A	Mx	-.002	6
67	MP4A	X	2.081	54
68	MP4A	Z	-3.604	54
69	MP4A	Mx	-.002	54
70	MP4B	X	1.615	6
71	MP4B	Z	-2.797	6
72	MP4B	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP4B	X	1.615	54
74	MP4B	Z	-2.797	54
75	MP4B	Mx	.002	54
76	MP4C	X	2.957	6
77	MP4C	Z	-5.121	6
78	MP4C	Mx	-.000513	6
79	MP4C	X	2.957	54
80	MP4C	Z	-5.121	54
81	MP4C	Mx	-.000513	54
82	MP2A	X	1.917	21
83	MP2A	Z	-3.321	21
84	MP2A	Mx	.002	21
85	MP2B	X	1.684	21
86	MP2B	Z	-2.916	21
87	MP2B	Mx	.00072	21
88	MP2C	X	2.357	21
89	MP2C	Z	-4.082	21
90	MP2C	Mx	-.003	21
91	MP2A	X	1.74	21
92	MP2A	Z	-3.014	21
93	MP2A	Mx	-.001	21
94	MP2B	X	1.417	21
95	MP2B	Z	-2.454	21
96	MP2B	Mx	-.000606	21
97	MP2C	X	2.348	21
98	MP2C	Z	-4.066	21
99	MP2C	Mx	.003	21
100	OVP2	X	2.721	6
101	OVP2	Z	-4.714	6
102	OVP2	Mx	0	6
103	OVP1	X	2.721	6
104	OVP1	Z	-4.714	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	.432	60
2	MP1A	Z	-.25	60
3	MP1A	Mx	.000246	60
4	MP1B	X	1.311	60
5	MP1B	Z	-.757	60
6	MP1B	Mx	-.000487	60
7	MP1C	X	1.778	60
8	MP1C	Z	-1.026	60
9	MP1C	Mx	-.000351	60
10	MP1A	X	2.124	6
11	MP1A	Z	-1.226	6
12	MP1A	Mx	-.001	6
13	MP1A	X	2.124	30
14	MP1A	Z	-1.226	30
15	MP1A	Mx	-.001	30
16	MP1B	X	3.879	6
17	MP1B	Z	-2.239	6
18	MP1B	Mx	.001	6
19	MP1B	X	3.879	30
20	MP1B	Z	-2.239	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP1B	Mx	.001	30
22	MP1C	X	4.813	6
23	MP1C	Z	-2.779	6
24	MP1C	Mx	.00095	6
25	MP1C	X	4.813	30
26	MP1C	Z	-2.779	30
27	MP1C	Mx	.00095	30
28	MP2A	X	6.041	6
29	MP2A	Z	-3.488	6
30	MP2A	Mx	-.003	6
31	MP2A	X	6.041	54
32	MP2A	Z	-3.488	54
33	MP2A	Mx	-.003	54
34	MP2B	X	7.737	6
35	MP2B	Z	-4.467	6
36	MP2B	Mx	.007	6
37	MP2B	X	7.737	54
38	MP2B	Z	-4.467	54
39	MP2B	Mx	.007	54
40	MP2C	X	8.639	6
41	MP2C	Z	-4.988	6
42	MP2C	Mx	-.004	6
43	MP2C	X	8.639	54
44	MP2C	Z	-4.988	54
45	MP2C	Mx	-.004	54
46	MP2A	X	6.041	6
47	MP2A	Z	-3.488	6
48	MP2A	Mx	-.004	6
49	MP2A	X	6.041	54
50	MP2A	Z	-3.488	54
51	MP2A	Mx	-.004	54
52	MP2B	X	7.737	6
53	MP2B	Z	-4.467	6
54	MP2B	Mx	-.001	6
55	MP2B	X	7.737	54
56	MP2B	Z	-4.467	54
57	MP2B	Mx	-.001	54
58	MP2C	X	8.639	6
59	MP2C	Z	-4.988	6
60	MP2C	Mx	.007	6
61	MP2C	X	8.639	54
62	MP2C	Z	-4.988	54
63	MP2C	Mx	.007	54
64	MP4A	X	2.561	6
65	MP4A	Z	-1.478	6
66	MP4A	Mx	-.001	6
67	MP4A	X	2.561	54
68	MP4A	Z	-1.478	54
69	MP4A	Mx	-.001	54
70	MP4B	X	4.078	6
71	MP4B	Z	-2.354	6
72	MP4B	Mx	.002	6
73	MP4B	X	4.078	54
74	MP4B	Z	-2.354	54
75	MP4B	Mx	.002	54
76	MP4C	X	4.885	6
77	MP4C	Z	-2.82	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
78	MP4C	Mx	.000965	6
79	MP4C	X	4.885	54
80	MP4C	Z	-2.82	54
81	MP4C	Mx	.000965	54
82	MP2A	X	2.797	21
83	MP2A	Z	-1.615	21
84	MP2A	Mx	.000351	21
85	MP2B	X	3.558	21
86	MP2B	Z	-2.054	21
87	MP2B	Mx	.002	21
88	MP2C	X	3.963	21
89	MP2C	Z	-2.288	21
90	MP2C	Mx	-.003	21
91	MP2A	X	2.289	21
92	MP2A	Z	-1.322	21
93	MP2A	Mx	-.000287	21
94	MP2B	X	3.342	21
95	MP2B	Z	-1.929	21
96	MP2B	Mx	-.002	21
97	MP2C	X	3.902	21
98	MP2C	Z	-2.253	21
99	MP2C	Mx	.003	21
100	OVP2	X	5.454	6
101	OVP2	Z	-3.149	6
102	OVP2	Mx	0	6
103	OVP1	X	5.454	6
104	OVP1	Z	-3.149	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	.657	60
2	MP1A	Z	0	60
3	MP1A	Mx	.000309	60
4	MP1B	X	2.211	60
5	MP1B	Z	0	60
6	MP1B	Mx	-.000192	60
7	MP1C	X	1.197	60
8	MP1C	Z	0	60
9	MP1C	Mx	-.000458	60
10	MP1A	X	2.768	6
11	MP1A	Z	0	6
12	MP1A	Mx	-.001	6
13	MP1A	X	2.768	30
14	MP1A	Z	0	30
15	MP1A	Mx	-.001	30
16	MP1B	X	5.873	6
17	MP1B	Z	0	6
18	MP1B	Mx	.00051	6
19	MP1B	X	5.873	30
20	MP1B	Z	0	30
21	MP1B	Mx	.00051	30
22	MP1C	X	3.847	6
23	MP1C	Z	0	6
24	MP1C	Mx	.001	6
25	MP1C	X	3.847	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP1C	Z	0	30
27	MP1C	Mx	.001	30
28	MP2A	X	7.281	6
29	MP2A	Z	0	6
30	MP2A	Mx	-.005	6
31	MP2A	X	7.281	54
32	MP2A	Z	0	54
33	MP2A	Mx	-.005	54
34	MP2B	X	10.281	6
35	MP2B	Z	0	6
36	MP2B	Mx	.007	6
37	MP2B	X	10.281	54
38	MP2B	Z	0	54
39	MP2B	Mx	.007	54
40	MP2C	X	8.323	6
41	MP2C	Z	0	6
42	MP2C	Mx	6.7e-5	6
43	MP2C	X	8.323	54
44	MP2C	Z	0	54
45	MP2C	Mx	6.7e-5	54
46	MP2A	X	7.281	6
47	MP2A	Z	0	6
48	MP2A	Mx	-.002	6
49	MP2A	X	7.281	54
50	MP2A	Z	0	54
51	MP2A	Mx	-.002	54
52	MP2B	X	10.281	6
53	MP2B	Z	0	6
54	MP2B	Mx	-.005	6
55	MP2B	X	10.281	54
56	MP2B	Z	0	54
57	MP2B	Mx	-.005	54
58	MP2C	X	8.323	6
59	MP2C	Z	0	6
60	MP2C	Mx	.006	6
61	MP2C	X	8.323	54
62	MP2C	Z	0	54
63	MP2C	Mx	.006	54
64	MP4A	X	3.23	6
65	MP4A	Z	0	6
66	MP4A	Mx	-.002	6
67	MP4A	X	3.23	54
68	MP4A	Z	0	54
69	MP4A	Mx	-.002	54
70	MP4B	X	5.914	6
71	MP4B	Z	0	6
72	MP4B	Mx	.000513	6
73	MP4B	X	5.914	54
74	MP4B	Z	0	54
75	MP4B	Mx	.000513	54
76	MP4C	X	4.162	6
77	MP4C	Z	0	6
78	MP4C	Mx	.002	6
79	MP4C	X	4.162	54
80	MP4C	Z	0	54
81	MP4C	Mx	.002	54
82	MP2A	X	3.367	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP2A	Z	0	21
84	MP2A	Mx	-.00072	21
85	MP2B	X	4.713	21
86	MP2B	Z	0	21
87	MP2B	Mx	.003	21
88	MP2C	X	3.835	21
89	MP2C	Z	0	21
90	MP2C	Mx	-.002	21
91	MP2A	X	2.833	21
92	MP2A	Z	0	21
93	MP2A	Mx	.000606	21
94	MP2B	X	4.695	21
95	MP2B	Z	0	21
96	MP2B	Mx	-.003	21
97	MP2C	X	3.48	21
98	MP2C	Z	0	21
99	MP2C	Mx	.001	21
100	OVP2	X	6.104	6
101	OVP2	Z	0	6
102	OVP2	Mx	0	6
103	OVP1	X	6.104	6
104	OVP1	Z	0	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	1.311	60
2	MP1A	Z	.757	60
3	MP1A	Mx	.000487	60
4	MP1B	X	1.778	60
5	MP1B	Z	1.026	60
6	MP1B	Mx	.000351	60
7	MP1C	X	.432	60
8	MP1C	Z	.25	60
9	MP1C	Mx	-.000246	60
10	MP1A	X	3.879	6
11	MP1A	Z	2.239	6
12	MP1A	Mx	-.001	6
13	MP1A	X	3.879	30
14	MP1A	Z	2.239	30
15	MP1A	Mx	-.001	30
16	MP1B	X	4.813	6
17	MP1B	Z	2.779	6
18	MP1B	Mx	-.000951	6
19	MP1B	X	4.813	30
20	MP1B	Z	2.779	30
21	MP1B	Mx	-.000951	30
22	MP1C	X	2.124	6
23	MP1C	Z	1.226	6
24	MP1C	Mx	.001	6
25	MP1C	X	2.124	30
26	MP1C	Z	1.226	30
27	MP1C	Mx	.001	30
28	MP2A	X	7.737	6
29	MP2A	Z	4.467	6
30	MP2A	Mx	-.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP2A	X	7.737	54
32	MP2A	Z	4.467	54
33	MP2A	Mx	-.007	54
34	MP2B	X	8.639	6
35	MP2B	Z	4.988	6
36	MP2B	Mx	.004	6
37	MP2B	X	8.639	54
38	MP2B	Z	4.988	54
39	MP2B	Mx	.004	54
40	MP2C	X	6.041	6
41	MP2C	Z	3.488	6
42	MP2C	Mx	.003	6
43	MP2C	X	6.041	54
44	MP2C	Z	3.488	54
45	MP2C	Mx	.003	54
46	MP2A	X	7.737	6
47	MP2A	Z	4.467	6
48	MP2A	Mx	.001	6
49	MP2A	X	7.737	54
50	MP2A	Z	4.467	54
51	MP2A	Mx	.001	54
52	MP2B	X	8.639	6
53	MP2B	Z	4.988	6
54	MP2B	Mx	-.007	6
55	MP2B	X	8.639	54
56	MP2B	Z	4.988	54
57	MP2B	Mx	-.007	54
58	MP2C	X	6.041	6
59	MP2C	Z	3.488	6
60	MP2C	Mx	.004	6
61	MP2C	X	6.041	54
62	MP2C	Z	3.488	54
63	MP2C	Mx	.004	54
64	MP4A	X	4.078	6
65	MP4A	Z	2.354	6
66	MP4A	Mx	-.002	6
67	MP4A	X	4.078	54
68	MP4A	Z	2.354	54
69	MP4A	Mx	-.002	54
70	MP4B	X	4.885	6
71	MP4B	Z	2.82	6
72	MP4B	Mx	-.000964	6
73	MP4B	X	4.885	54
74	MP4B	Z	2.82	54
75	MP4B	Mx	-.000964	54
76	MP4C	X	2.561	6
77	MP4C	Z	1.478	6
78	MP4C	Mx	.001	6
79	MP4C	X	2.561	54
80	MP4C	Z	1.478	54
81	MP4C	Mx	.001	54
82	MP2A	X	3.558	21
83	MP2A	Z	2.054	21
84	MP2A	Mx	-.002	21
85	MP2B	X	3.963	21
86	MP2B	Z	2.288	21
87	MP2B	Mx	.003	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
88	MP2C	X	2.797	21
89	MP2C	Z	1.615	21
90	MP2C	Mx	-.00035	21
91	MP2A	X	3.342	21
92	MP2A	Z	1.929	21
93	MP2A	Mx	.002	21
94	MP2B	X	3.902	21
95	MP2B	Z	2.253	21
96	MP2B	Mx	-.003	21
97	MP2C	X	2.289	21
98	MP2C	Z	1.322	21
99	MP2C	Mx	.000287	21
100	OVP2	X	4.378	6
101	OVP2	Z	2.528	6
102	OVP2	Mx	0	6
103	OVP1	X	4.378	6
104	OVP1	Z	2.528	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	1.105	60
2	MP1A	Z	1.915	60
3	MP1A	Mx	.000192	60
4	MP1B	X	.598	60
5	MP1B	Z	1.037	60
6	MP1B	Mx	.000459	60
7	MP1C	X	.329	60
8	MP1C	Z	.569	60
9	MP1C	Mx	-.000309	60
10	MP1A	X	2.937	6
11	MP1A	Z	5.086	6
12	MP1A	Mx	-.00051	6
13	MP1A	X	2.937	30
14	MP1A	Z	5.086	30
15	MP1A	Mx	-.00051	30
16	MP1B	X	1.923	6
17	MP1B	Z	3.331	6
18	MP1B	Mx	-.001	6
19	MP1B	X	1.923	30
20	MP1B	Z	3.331	30
21	MP1B	Mx	-.001	30
22	MP1C	X	1.384	6
23	MP1C	Z	2.397	6
24	MP1C	Mx	.001	6
25	MP1C	X	1.384	30
26	MP1C	Z	2.397	30
27	MP1C	Mx	.001	30
28	MP2A	X	5.141	6
29	MP2A	Z	8.904	6
30	MP2A	Mx	-.007	6
31	MP2A	X	5.141	54
32	MP2A	Z	8.904	54
33	MP2A	Mx	-.007	54
34	MP2B	X	4.161	6
35	MP2B	Z	7.208	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP2B	Mx	-6.7e-5	6
37	MP2B	X	4.161	54
38	MP2B	Z	7.208	54
39	MP2B	Mx	-6.7e-5	54
40	MP2C	X	3.64	6
41	MP2C	Z	6.305	6
42	MP2C	Mx	.005	6
43	MP2C	X	3.64	54
44	MP2C	Z	6.305	54
45	MP2C	Mx	.005	54
46	MP2A	X	5.141	6
47	MP2A	Z	8.904	6
48	MP2A	Mx	.005	6
49	MP2A	X	5.141	54
50	MP2A	Z	8.904	54
51	MP2A	Mx	.005	54
52	MP2B	X	4.161	6
53	MP2B	Z	7.208	6
54	MP2B	Mx	-.006	6
55	MP2B	X	4.161	54
56	MP2B	Z	7.208	54
57	MP2B	Mx	-.006	54
58	MP2C	X	3.64	6
59	MP2C	Z	6.305	6
60	MP2C	Mx	.002	6
61	MP2C	X	3.64	54
62	MP2C	Z	6.305	54
63	MP2C	Mx	.002	54
64	MP4A	X	2.957	6
65	MP4A	Z	5.121	6
66	MP4A	Mx	-.000514	6
67	MP4A	X	2.957	54
68	MP4A	Z	5.121	54
69	MP4A	Mx	-.000514	54
70	MP4B	X	2.081	6
71	MP4B	Z	3.604	6
72	MP4B	Mx	-.002	6
73	MP4B	X	2.081	54
74	MP4B	Z	3.604	54
75	MP4B	Mx	-.002	54
76	MP4C	X	1.615	6
77	MP4C	Z	2.797	6
78	MP4C	Mx	.002	6
79	MP4C	X	1.615	54
80	MP4C	Z	2.797	54
81	MP4C	Mx	.002	54
82	MP2A	X	2.357	21
83	MP2A	Z	4.082	21
84	MP2A	Mx	-.003	21
85	MP2B	X	1.917	21
86	MP2B	Z	3.321	21
87	MP2B	Mx	.002	21
88	MP2C	X	1.684	21
89	MP2C	Z	2.916	21
90	MP2C	Mx	.00072	21
91	MP2A	X	2.348	21
92	MP2A	Z	4.066	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
93	MP2A	Mx	.003	21
94	MP2B	X	1.74	21
95	MP2B	Z	3.014	21
96	MP2B	Mx	-.001	21
97	MP2C	X	1.417	21
98	MP2C	Z	2.454	21
99	MP2C	Mx	-.000606	21
100	OVP2	X	2.1	6
101	OVP2	Z	3.638	6
102	OVP2	Mx	0	6
103	OVP1	X	2.1	6
104	OVP1	Z	3.638	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	60
2	MP1A	Z	2.053	60
3	MP1A	Mx	-.000351	60
4	MP1B	X	0	60
5	MP1B	Z	.499	60
6	MP1B	Mx	.000246	60
7	MP1C	X	0	60
8	MP1C	Z	1.513	60
9	MP1C	Mx	-.000486	60
10	MP1A	X	0	6
11	MP1A	Z	5.557	6
12	MP1A	Mx	.00095	6
13	MP1A	X	0	30
14	MP1A	Z	5.557	30
15	MP1A	Mx	.00095	30
16	MP1B	X	0	6
17	MP1B	Z	2.452	6
18	MP1B	Mx	-.001	6
19	MP1B	X	0	30
20	MP1B	Z	2.452	30
21	MP1B	Mx	-.001	30
22	MP1C	X	0	6
23	MP1C	Z	4.479	6
24	MP1C	Mx	.001	6
25	MP1C	X	0	30
26	MP1C	Z	4.479	30
27	MP1C	Mx	.001	30
28	MP2A	X	0	6
29	MP2A	Z	9.976	6
30	MP2A	Mx	-.004	6
31	MP2A	X	0	54
32	MP2A	Z	9.976	54
33	MP2A	Mx	-.004	54
34	MP2B	X	0	6
35	MP2B	Z	6.975	6
36	MP2B	Mx	-.003	6
37	MP2B	X	0	54
38	MP2B	Z	6.975	54
39	MP2B	Mx	-.003	54
40	MP2C	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP2C	Z	8.934	6
42	MP2C	Mx	.007	6
43	MP2C	X	0	54
44	MP2C	Z	8.934	54
45	MP2C	Mx	.007	54
46	MP2A	X	0	6
47	MP2A	Z	9.976	6
48	MP2A	Mx	.007	6
49	MP2A	X	0	54
50	MP2A	Z	9.976	54
51	MP2A	Mx	.007	54
52	MP2B	X	0	6
53	MP2B	Z	6.975	6
54	MP2B	Mx	-.004	6
55	MP2B	X	0	54
56	MP2B	Z	6.975	54
57	MP2B	Mx	-.004	54
58	MP2C	X	0	6
59	MP2C	Z	8.934	6
60	MP2C	Mx	-.001	6
61	MP2C	X	0	54
62	MP2C	Z	8.934	54
63	MP2C	Mx	-.001	54
64	MP4A	X	0	6
65	MP4A	Z	5.64	6
66	MP4A	Mx	.000964	6
67	MP4A	X	0	54
68	MP4A	Z	5.64	54
69	MP4A	Mx	.000964	54
70	MP4B	X	0	6
71	MP4B	Z	2.957	6
72	MP4B	Mx	-.001	6
73	MP4B	X	0	54
74	MP4B	Z	2.957	54
75	MP4B	Mx	-.001	54
76	MP4C	X	0	6
77	MP4C	Z	4.708	6
78	MP4C	Mx	.002	6
79	MP4C	X	0	54
80	MP4C	Z	4.708	54
81	MP4C	Mx	.002	54
82	MP2A	X	0	21
83	MP2A	Z	4.576	21
84	MP2A	Mx	-.003	21
85	MP2B	X	0	21
86	MP2B	Z	3.23	21
87	MP2B	Mx	.000351	21
88	MP2C	X	0	21
89	MP2C	Z	4.109	21
90	MP2C	Mx	.002	21
91	MP2A	X	0	21
92	MP2A	Z	4.506	21
93	MP2A	Mx	.003	21
94	MP2B	X	0	21
95	MP2B	Z	2.644	21
96	MP2B	Mx	-.000287	21
97	MP2C	X	0	21

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
98	MP2C	Z	3.859	21
99	MP2C	Mx	-.002	21
100	OVP2	X	0	6
101	OVP2	Z	4.394	6
102	OVP2	Mx	0	6
103	OVP1	X	0	6
104	OVP1	Z	4.394	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-.598	60
2	MP1A	Z	1.037	60
3	MP1A	Mx	-.000458	60
4	MP1B	X	-.329	60
5	MP1B	Z	.569	60
6	MP1B	Mx	.000309	60
7	MP1C	X	-1.105	60
8	MP1C	Z	1.915	60
9	MP1C	Mx	-.000192	60
10	MP1A	X	-1.923	6
11	MP1A	Z	3.331	6
12	MP1A	Mx	.001	6
13	MP1A	X	-1.923	30
14	MP1A	Z	3.331	30
15	MP1A	Mx	.001	30
16	MP1B	X	-1.384	6
17	MP1B	Z	2.397	6
18	MP1B	Mx	-.001	6
19	MP1B	X	-1.384	30
20	MP1B	Z	2.397	30
21	MP1B	Mx	-.001	30
22	MP1C	X	-2.937	6
23	MP1C	Z	5.086	6
24	MP1C	Mx	.00051	6
25	MP1C	X	-2.937	30
26	MP1C	Z	5.086	30
27	MP1C	Mx	.00051	30
28	MP2A	X	-4.161	6
29	MP2A	Z	7.208	6
30	MP2A	Mx	6.7e-5	6
31	MP2A	X	-4.161	54
32	MP2A	Z	7.208	54
33	MP2A	Mx	6.7e-5	54
34	MP2B	X	-3.64	6
35	MP2B	Z	6.305	6
36	MP2B	Mx	-.005	6
37	MP2B	X	-3.64	54
38	MP2B	Z	6.305	54
39	MP2B	Mx	-.005	54
40	MP2C	X	-5.141	6
41	MP2C	Z	8.904	6
42	MP2C	Mx	.007	6
43	MP2C	X	-5.141	54
44	MP2C	Z	8.904	54
45	MP2C	Mx	.007	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
46	MP2A	X	-4.161	6
47	MP2A	Z	7.208	6
48	MP2A	Mx	.006	6
49	MP2A	X	-4.161	54
50	MP2A	Z	7.208	54
51	MP2A	Mx	.006	54
52	MP2B	X	-3.64	6
53	MP2B	Z	6.305	6
54	MP2B	Mx	-.002	6
55	MP2B	X	-3.64	54
56	MP2B	Z	6.305	54
57	MP2B	Mx	-.002	54
58	MP2C	X	-5.141	6
59	MP2C	Z	8.904	6
60	MP2C	Mx	-.005	6
61	MP2C	X	-5.141	54
62	MP2C	Z	8.904	54
63	MP2C	Mx	-.005	54
64	MP4A	X	-2.081	6
65	MP4A	Z	3.604	6
66	MP4A	Mx	.002	6
67	MP4A	X	-2.081	54
68	MP4A	Z	3.604	54
69	MP4A	Mx	.002	54
70	MP4B	X	-1.615	6
71	MP4B	Z	2.797	6
72	MP4B	Mx	-.002	6
73	MP4B	X	-1.615	54
74	MP4B	Z	2.797	54
75	MP4B	Mx	-.002	54
76	MP4C	X	-2.957	6
77	MP4C	Z	5.121	6
78	MP4C	Mx	.000513	6
79	MP4C	X	-2.957	54
80	MP4C	Z	5.121	54
81	MP4C	Mx	.000513	54
82	MP2A	X	-1.917	21
83	MP2A	Z	3.321	21
84	MP2A	Mx	-.002	21
85	MP2B	X	-1.684	21
86	MP2B	Z	2.916	21
87	MP2B	Mx	-.00072	21
88	MP2C	X	-2.357	21
89	MP2C	Z	4.082	21
90	MP2C	Mx	.003	21
91	MP2A	X	-1.74	21
92	MP2A	Z	3.014	21
93	MP2A	Mx	.001	21
94	MP2B	X	-1.417	21
95	MP2B	Z	2.454	21
96	MP2B	Mx	.000606	21
97	MP2C	X	-2.348	21
98	MP2C	Z	4.066	21
99	MP2C	Mx	-.003	21
100	OVP2	X	-2.721	6
101	OVP2	Z	4.714	6
102	OVP2	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
103	OVP1	X	-2.721	6
104	OVP1	Z	4.714	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-.432	60
2	MP1A	Z	.25	60
3	MP1A	Mx	-.000246	60
4	MP1B	X	-1.311	60
5	MP1B	Z	.757	60
6	MP1B	Mx	.000487	60
7	MP1C	X	-1.778	60
8	MP1C	Z	1.026	60
9	MP1C	Mx	.000351	60
10	MP1A	X	-2.124	6
11	MP1A	Z	1.226	6
12	MP1A	Mx	.001	6
13	MP1A	X	-2.124	30
14	MP1A	Z	1.226	30
15	MP1A	Mx	.001	30
16	MP1B	X	-3.879	6
17	MP1B	Z	2.239	6
18	MP1B	Mx	-.001	6
19	MP1B	X	-3.879	30
20	MP1B	Z	2.239	30
21	MP1B	Mx	-.001	30
22	MP1C	X	-4.813	6
23	MP1C	Z	2.779	6
24	MP1C	Mx	-.00095	6
25	MP1C	X	-4.813	30
26	MP1C	Z	2.779	30
27	MP1C	Mx	-.00095	30
28	MP2A	X	-6.041	6
29	MP2A	Z	3.488	6
30	MP2A	Mx	.003	6
31	MP2A	X	-6.041	54
32	MP2A	Z	3.488	54
33	MP2A	Mx	.003	54
34	MP2B	X	-7.737	6
35	MP2B	Z	4.467	6
36	MP2B	Mx	-.007	6
37	MP2B	X	-7.737	54
38	MP2B	Z	4.467	54
39	MP2B	Mx	-.007	54
40	MP2C	X	-8.639	6
41	MP2C	Z	4.988	6
42	MP2C	Mx	.004	6
43	MP2C	X	-8.639	54
44	MP2C	Z	4.988	54
45	MP2C	Mx	.004	54
46	MP2A	X	-6.041	6
47	MP2A	Z	3.488	6
48	MP2A	Mx	.004	6
49	MP2A	X	-6.041	54
50	MP2A	Z	3.488	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
51	MP2A	Mx	.004	54
52	MP2B	X	-7.737	6
53	MP2B	Z	4.467	6
54	MP2B	Mx	.001	6
55	MP2B	X	-7.737	54
56	MP2B	Z	4.467	54
57	MP2B	Mx	.001	54
58	MP2C	X	-8.639	6
59	MP2C	Z	4.988	6
60	MP2C	Mx	-.007	6
61	MP2C	X	-8.639	54
62	MP2C	Z	4.988	54
63	MP2C	Mx	-.007	54
64	MP4A	X	-2.561	6
65	MP4A	Z	1.478	6
66	MP4A	Mx	.001	6
67	MP4A	X	-2.561	54
68	MP4A	Z	1.478	54
69	MP4A	Mx	.001	54
70	MP4B	X	-4.078	6
71	MP4B	Z	2.354	6
72	MP4B	Mx	-.002	6
73	MP4B	X	-4.078	54
74	MP4B	Z	2.354	54
75	MP4B	Mx	-.002	54
76	MP4C	X	-4.885	6
77	MP4C	Z	2.82	6
78	MP4C	Mx	-.000965	6
79	MP4C	X	-4.885	54
80	MP4C	Z	2.82	54
81	MP4C	Mx	-.000965	54
82	MP2A	X	-2.797	21
83	MP2A	Z	1.615	21
84	MP2A	Mx	-.000351	21
85	MP2B	X	-3.558	21
86	MP2B	Z	2.054	21
87	MP2B	Mx	-.002	21
88	MP2C	X	-3.963	21
89	MP2C	Z	2.288	21
90	MP2C	Mx	.003	21
91	MP2A	X	-2.289	21
92	MP2A	Z	1.322	21
93	MP2A	Mx	.000287	21
94	MP2B	X	-3.342	21
95	MP2B	Z	1.929	21
96	MP2B	Mx	.002	21
97	MP2C	X	-3.902	21
98	MP2C	Z	2.253	21
99	MP2C	Mx	-.003	21
100	OVP2	X	-5.454	6
101	OVP2	Z	3.149	6
102	OVP2	Mx	0	6
103	OVP1	X	-5.454	6
104	OVP1	Z	3.149	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-.657	60
2	MP1A	Z	0	60
3	MP1A	Mx	-.000309	60
4	MP1B	X	-2.211	60
5	MP1B	Z	0	60
6	MP1B	Mx	.000192	60
7	MP1C	X	-1.197	60
8	MP1C	Z	0	60
9	MP1C	Mx	.000458	60
10	MP1A	X	-2.768	6
11	MP1A	Z	0	6
12	MP1A	Mx	.001	6
13	MP1A	X	-2.768	30
14	MP1A	Z	0	30
15	MP1A	Mx	.001	30
16	MP1B	X	-5.873	6
17	MP1B	Z	0	6
18	MP1B	Mx	-.00051	6
19	MP1B	X	-5.873	30
20	MP1B	Z	0	30
21	MP1B	Mx	-.00051	30
22	MP1C	X	-3.847	6
23	MP1C	Z	0	6
24	MP1C	Mx	-.001	6
25	MP1C	X	-3.847	30
26	MP1C	Z	0	30
27	MP1C	Mx	-.001	30
28	MP2A	X	-7.281	6
29	MP2A	Z	0	6
30	MP2A	Mx	.005	6
31	MP2A	X	-7.281	54
32	MP2A	Z	0	54
33	MP2A	Mx	.005	54
34	MP2B	X	-10.281	6
35	MP2B	Z	0	6
36	MP2B	Mx	-.007	6
37	MP2B	X	-10.281	54
38	MP2B	Z	0	54
39	MP2B	Mx	-.007	54
40	MP2C	X	-8.323	6
41	MP2C	Z	0	6
42	MP2C	Mx	-6.7e-5	6
43	MP2C	X	-8.323	54
44	MP2C	Z	0	54
45	MP2C	Mx	-6.7e-5	54
46	MP2A	X	-7.281	6
47	MP2A	Z	0	6
48	MP2A	Mx	.002	6
49	MP2A	X	-7.281	54
50	MP2A	Z	0	54
51	MP2A	Mx	.002	54
52	MP2B	X	-10.281	6
53	MP2B	Z	0	6
54	MP2B	Mx	.005	6
55	MP2B	X	-10.281	54
56	MP2B	Z	0	54
57	MP2B	Mx	.005	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP2C	X	-8.323	6
59	MP2C	Z	0	6
60	MP2C	Mx	-.006	6
61	MP2C	X	-8.323	54
62	MP2C	Z	0	54
63	MP2C	Mx	-.006	54
64	MP4A	X	-3.23	6
65	MP4A	Z	0	6
66	MP4A	Mx	.002	6
67	MP4A	X	-3.23	54
68	MP4A	Z	0	54
69	MP4A	Mx	.002	54
70	MP4B	X	-5.914	6
71	MP4B	Z	0	6
72	MP4B	Mx	-.000513	6
73	MP4B	X	-5.914	54
74	MP4B	Z	0	54
75	MP4B	Mx	-.000513	54
76	MP4C	X	-4.162	6
77	MP4C	Z	0	6
78	MP4C	Mx	-.002	6
79	MP4C	X	-4.162	54
80	MP4C	Z	0	54
81	MP4C	Mx	-.002	54
82	MP2A	X	-3.367	21
83	MP2A	Z	0	21
84	MP2A	Mx	.00072	21
85	MP2B	X	-4.713	21
86	MP2B	Z	0	21
87	MP2B	Mx	-.003	21
88	MP2C	X	-3.835	21
89	MP2C	Z	0	21
90	MP2C	Mx	.002	21
91	MP2A	X	-2.833	21
92	MP2A	Z	0	21
93	MP2A	Mx	-.000606	21
94	MP2B	X	-4.695	21
95	MP2B	Z	0	21
96	MP2B	Mx	.003	21
97	MP2C	X	-3.48	21
98	MP2C	Z	0	21
99	MP2C	Mx	-.001	21
100	OVP2	X	-6.104	6
101	OVP2	Z	0	6
102	OVP2	Mx	0	6
103	OVP1	X	-6.104	6
104	OVP1	Z	0	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-1.311	60
2	MP1A	Z	-.757	60
3	MP1A	Mx	-.000487	60
4	MP1B	X	-1.778	60
5	MP1B	Z	-1.026	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP1B	Mx	-.000351	60
7	MP1C	X	-.432	60
8	MP1C	Z	-.25	60
9	MP1C	Mx	.000246	60
10	MP1A	X	-3.879	6
11	MP1A	Z	-2.239	6
12	MP1A	Mx	.001	6
13	MP1A	X	-3.879	30
14	MP1A	Z	-2.239	30
15	MP1A	Mx	.001	30
16	MP1B	X	-4.813	6
17	MP1B	Z	-2.779	6
18	MP1B	Mx	.000951	6
19	MP1B	X	-4.813	30
20	MP1B	Z	-2.779	30
21	MP1B	Mx	.000951	30
22	MP1C	X	-2.124	6
23	MP1C	Z	-1.226	6
24	MP1C	Mx	-.001	6
25	MP1C	X	-2.124	30
26	MP1C	Z	-1.226	30
27	MP1C	Mx	-.001	30
28	MP2A	X	-7.737	6
29	MP2A	Z	-4.467	6
30	MP2A	Mx	.007	6
31	MP2A	X	-7.737	54
32	MP2A	Z	-4.467	54
33	MP2A	Mx	.007	54
34	MP2B	X	-8.639	6
35	MP2B	Z	-4.988	6
36	MP2B	Mx	-.004	6
37	MP2B	X	-8.639	54
38	MP2B	Z	-4.988	54
39	MP2B	Mx	-.004	54
40	MP2C	X	-6.041	6
41	MP2C	Z	-3.488	6
42	MP2C	Mx	-.003	6
43	MP2C	X	-6.041	54
44	MP2C	Z	-3.488	54
45	MP2C	Mx	-.003	54
46	MP2A	X	-7.737	6
47	MP2A	Z	-4.467	6
48	MP2A	Mx	-.001	6
49	MP2A	X	-7.737	54
50	MP2A	Z	-4.467	54
51	MP2A	Mx	-.001	54
52	MP2B	X	-8.639	6
53	MP2B	Z	-4.988	6
54	MP2B	Mx	.007	6
55	MP2B	X	-8.639	54
56	MP2B	Z	-4.988	54
57	MP2B	Mx	.007	54
58	MP2C	X	-6.041	6
59	MP2C	Z	-3.488	6
60	MP2C	Mx	-.004	6
61	MP2C	X	-6.041	54
62	MP2C	Z	-3.488	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP2C	Mx	-.004	54
64	MP4A	X	-4.078	6
65	MP4A	Z	-2.354	6
66	MP4A	Mx	.002	6
67	MP4A	X	-4.078	54
68	MP4A	Z	-2.354	54
69	MP4A	Mx	.002	54
70	MP4B	X	-4.885	6
71	MP4B	Z	-2.82	6
72	MP4B	Mx	.000964	6
73	MP4B	X	-4.885	54
74	MP4B	Z	-2.82	54
75	MP4B	Mx	.000964	54
76	MP4C	X	-2.561	6
77	MP4C	Z	-1.478	6
78	MP4C	Mx	-.001	6
79	MP4C	X	-2.561	54
80	MP4C	Z	-1.478	54
81	MP4C	Mx	-.001	54
82	MP2A	X	-3.558	21
83	MP2A	Z	-2.054	21
84	MP2A	Mx	.002	21
85	MP2B	X	-3.963	21
86	MP2B	Z	-2.288	21
87	MP2B	Mx	-.003	21
88	MP2C	X	-2.797	21
89	MP2C	Z	-1.615	21
90	MP2C	Mx	.00035	21
91	MP2A	X	-3.342	21
92	MP2A	Z	-1.929	21
93	MP2A	Mx	-.002	21
94	MP2B	X	-3.902	21
95	MP2B	Z	-2.253	21
96	MP2B	Mx	.003	21
97	MP2C	X	-2.289	21
98	MP2C	Z	-1.322	21
99	MP2C	Mx	-.000287	21
100	OVP2	X	-4.378	6
101	OVP2	Z	-2.528	6
102	OVP2	Mx	0	6
103	OVP1	X	-4.378	6
104	OVP1	Z	-2.528	6
105	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-1.105	60
2	MP1A	Z	-1.915	60
3	MP1A	Mx	-.000192	60
4	MP1B	X	-.598	60
5	MP1B	Z	-1.037	60
6	MP1B	Mx	-.000459	60
7	MP1C	X	-.329	60
8	MP1C	Z	-.569	60
9	MP1C	Mx	.000309	60
10	MP1A	X	-2.937	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP1A	Z	-5.086	6
12	MP1A	Mx	.00051	6
13	MP1A	X	-2.937	30
14	MP1A	Z	-5.086	30
15	MP1A	Mx	.00051	30
16	MP1B	X	-1.923	6
17	MP1B	Z	-3.331	6
18	MP1B	Mx	.001	6
19	MP1B	X	-1.923	30
20	MP1B	Z	-3.331	30
21	MP1B	Mx	.001	30
22	MP1C	X	-1.384	6
23	MP1C	Z	-2.397	6
24	MP1C	Mx	-.001	6
25	MP1C	X	-1.384	30
26	MP1C	Z	-2.397	30
27	MP1C	Mx	-.001	30
28	MP2A	X	-5.141	6
29	MP2A	Z	-8.904	6
30	MP2A	Mx	.007	6
31	MP2A	X	-5.141	54
32	MP2A	Z	-8.904	54
33	MP2A	Mx	.007	54
34	MP2B	X	-4.161	6
35	MP2B	Z	-7.208	6
36	MP2B	Mx	6.7e-5	6
37	MP2B	X	-4.161	54
38	MP2B	Z	-7.208	54
39	MP2B	Mx	6.7e-5	54
40	MP2C	X	-3.64	6
41	MP2C	Z	-6.305	6
42	MP2C	Mx	-.005	6
43	MP2C	X	-3.64	54
44	MP2C	Z	-6.305	54
45	MP2C	Mx	-.005	54
46	MP2A	X	-5.141	6
47	MP2A	Z	-8.904	6
48	MP2A	Mx	-.005	6
49	MP2A	X	-5.141	54
50	MP2A	Z	-8.904	54
51	MP2A	Mx	-.005	54
52	MP2B	X	-4.161	6
53	MP2B	Z	-7.208	6
54	MP2B	Mx	.006	6
55	MP2B	X	-4.161	54
56	MP2B	Z	-7.208	54
57	MP2B	Mx	.006	54
58	MP2C	X	-3.64	6
59	MP2C	Z	-6.305	6
60	MP2C	Mx	-.002	6
61	MP2C	X	-3.64	54
62	MP2C	Z	-6.305	54
63	MP2C	Mx	-.002	54
64	MP4A	X	-2.957	6
65	MP4A	Z	-5.121	6
66	MP4A	Mx	.000514	6
67	MP4A	X	-2.957	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
68	MP4A	Z	-5.121	54
69	MP4A	Mx	.000514	54
70	MP4B	X	-2.081	6
71	MP4B	Z	-3.604	6
72	MP4B	Mx	.002	6
73	MP4B	X	-2.081	54
74	MP4B	Z	-3.604	54
75	MP4B	Mx	.002	54
76	MP4C	X	-1.615	6
77	MP4C	Z	-2.797	6
78	MP4C	Mx	-.002	6
79	MP4C	X	-1.615	54
80	MP4C	Z	-2.797	54
81	MP4C	Mx	-.002	54
82	MP2A	X	-2.357	21
83	MP2A	Z	-4.082	21
84	MP2A	Mx	.003	21
85	MP2B	X	-1.917	21
86	MP2B	Z	-3.321	21
87	MP2B	Mx	-.002	21
88	MP2C	X	-1.684	21
89	MP2C	Z	-2.916	21
90	MP2C	Mx	-.00072	21
91	MP2A	X	-2.348	21
92	MP2A	Z	-4.066	21
93	MP2A	Mx	-.003	21
94	MP2B	X	-1.74	21
95	MP2B	Z	-3.014	21
96	MP2B	Mx	.001	21
97	MP2C	X	-1.417	21
98	MP2C	Z	-2.454	21
99	MP2C	Mx	.000606	21
100	OVP2	X	-2.1	6
101	OVP2	Z	-3.638	6
102	OVP2	Mx	0	6
103	OVP1	X	-2.1	6
104	OVP1	Z	-3.638	6
105	OVP1	Mx	0	6

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	LIVE1	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	LIVE2	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	Y	-12.31	-12.31	0	%100
2	FACE	Y	-12.31	-12.31	0	%100
3	M10	Y	-15.952	-15.952	0	%100
4	M14	Y	-15.241	-15.241	0	%100
5	M47	Y	-15.952	-15.952	0	%100
6	M8	Y	-12.31	-12.31	0	%100
7	M9	Y	-12.31	-12.31	0	%100
8	M10A	Y	-15.952	-15.952	0	%100
9	M11	Y	-15.241	-15.241	0	%100
10	M15A	Y	-12.31	-12.31	0	%100
11	M16A	Y	-12.31	-12.31	0	%100
12	M18	Y	-15.241	-15.241	0	%100
13	M23	Y	-18.172	-18.172	0	%100
14	M24	Y	-18.172	-18.172	0	%100
15	M25	Y	-18.172	-18.172	0	%100
16	MP1A	Y	-8.439	-8.439	0	%100
17	MP2A	Y	-8.439	-8.439	0	%100
18	MP3A	Y	-8.439	-8.439	0	%100
19	MP4A	Y	-8.439	-8.439	0	%100
20	MP1C	Y	-8.439	-8.439	0	%100
21	MP2C	Y	-8.439	-8.439	0	%100
22	MP3C	Y	-8.439	-8.439	0	%100
23	MP4C	Y	-8.439	-8.439	0	%100
24	MP1B	Y	-8.439	-8.439	0	%100
25	MP2B	Y	-8.439	-8.439	0	%100
26	MP3B	Y	-8.439	-8.439	0	%100
27	MP4B	Y	-8.439	-8.439	0	%100
28	M49	Y	-8.439	-8.439	0	%100
29	M54	Y	-8.439	-8.439	0	%100
30	M59	Y	-8.439	-8.439	0	%100
31	M70	Y	-10.844	-10.844	0	%100
32	M77	Y	-10.844	-10.844	0	%100
33	M84	Y	-10.844	-10.844	0	%100
34	OVP1	Y	-8.439	-8.439	0	%100
35	OVP2	Y	-8.439	-8.439	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	-19.694	-19.694	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	-19.694	-19.694	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.454	-12.454	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	-12.454	-12.454	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-4.924	-4.924	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-4.924	-4.924	0	%100
15	M10A	X	0	0	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
18	M11	Z	-9.281	-9.281	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	-4.931	-4.931	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	-4.927	-4.927	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-9.281	-9.281	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.963	-1.963	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-21.164	-21.164	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-21.159	-21.159	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-9.355	-9.355	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-9.355	-9.355	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-9.355	-9.355	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-9.355	-9.355	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	-9.355	-9.355	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-9.355	-9.355	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-9.355	-9.355	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	-9.355	-9.355	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	-9.355	-9.355	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-9.355	-9.355	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-9.355	-9.355	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-9.355	-9.355	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	-9.355	-9.355	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-2.339	-2.339	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	-2.339	-2.339	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-2.872	-2.872	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	-2.872	-2.872	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	-11.487	-11.487	0	%100
67	OVP1	X	0	0	0	%100
68	OVP1	Z	-7.65	-7.65	0	%100
69	OVP2	X	0	0	0	%100
70	OVP2	Z	-7.65	-7.65	0	%100

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

Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	7.385	7.385	0	%100
2	M7	Z	-12.792	-12.792	0	%100
3	FACE	X	7.385	7.385	0	%100
4	FACE	Z	-12.792	-12.792	0	%100
5	M10	X	2.076	2.076	0	%100
6	M10	Z	-3.595	-3.595	0	%100
7	M14	X	1.547	1.547	0	%100
8	M14	Z	-2.679	-2.679	0	%100
9	M47	X	8.303	8.303	0	%100
10	M47	Z	-14.38	-14.38	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	2.076	2.076	0	%100
16	M10A	Z	-3.595	-3.595	0	%100
17	M11	X	6.188	6.188	0	%100
18	M11	Z	-10.717	-10.717	0	%100
19	M15A	X	7.389	7.389	0	%100
20	M15A	Z	-12.798	-12.798	0	%100
21	M16A	X	7.387	7.387	0	%100
22	M16A	Z	-12.795	-12.795	0	%100
23	M18	X	1.547	1.547	0	%100
24	M18	Z	-2.679	-2.679	0	%100
25	M23	X	4.183	4.183	0	%100
26	M23	Z	-7.245	-7.245	0	%100
27	M24	X	4.183	4.183	0	%100
28	M24	Z	-7.245	-7.245	0	%100
29	M25	X	13.775	13.775	0	%100
30	M25	Z	-23.858	-23.858	0	%100
31	MP1A	X	4.677	4.677	0	%100
32	MP1A	Z	-8.102	-8.102	0	%100
33	MP2A	X	4.677	4.677	0	%100
34	MP2A	Z	-8.102	-8.102	0	%100
35	MP3A	X	4.677	4.677	0	%100
36	MP3A	Z	-8.102	-8.102	0	%100
37	MP4A	X	4.677	4.677	0	%100
38	MP4A	Z	-8.102	-8.102	0	%100
39	MP1C	X	4.677	4.677	0	%100
40	MP1C	Z	-8.102	-8.102	0	%100
41	MP2C	X	4.677	4.677	0	%100
42	MP2C	Z	-8.102	-8.102	0	%100
43	MP3C	X	4.677	4.677	0	%100
44	MP3C	Z	-8.102	-8.102	0	%100
45	MP4C	X	4.677	4.677	0	%100
46	MP4C	Z	-8.102	-8.102	0	%100
47	MP1B	X	4.677	4.677	0	%100
48	MP1B	Z	-8.102	-8.102	0	%100
49	MP2B	X	4.677	4.677	0	%100
50	MP2B	Z	-8.102	-8.102	0	%100
51	MP3B	X	4.677	4.677	0	%100
52	MP3B	Z	-8.102	-8.102	0	%100
53	MP4B	X	4.677	4.677	0	%100
54	MP4B	Z	-8.102	-8.102	0	%100
55	M49	X	3.508	3.508	0	%100
56	M49	Z	-6.076	-6.076	0	%100
57	M54	X	3.508	3.508	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
58	M54	Z	-6.076	-6.076	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	4.308	4.308	0	%100
62	M70	Z	-7.461	-7.461	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	4.308	4.308	0	%100
66	M84	Z	-7.461	-7.461	0	%100
67	OVP1	X	3.825	3.825	0	%100
68	OVP1	Z	-6.625	-6.625	0	%100
69	OVP2	X	3.825	3.825	0	%100
70	OVP2	Z	-6.625	-6.625	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	4.264	4.264	0	%100
2	M7	Z	-2.462	-2.462	0	%100
3	FACE	X	4.264	4.264	0	%100
4	FACE	Z	-2.462	-2.462	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	8.038	8.038	0	%100
8	M14	Z	-4.641	-4.641	0	%100
9	M47	X	10.785	10.785	0	%100
10	M47	Z	-6.227	-6.227	0	%100
11	M8	X	4.264	4.264	0	%100
12	M8	Z	-2.462	-2.462	0	%100
13	M9	X	4.264	4.264	0	%100
14	M9	Z	-2.462	-2.462	0	%100
15	M10A	X	10.785	10.785	0	%100
16	M10A	Z	-6.227	-6.227	0	%100
17	M11	X	8.038	8.038	0	%100
18	M11	Z	-4.641	-4.641	0	%100
19	M15A	X	17.056	17.056	0	%100
20	M15A	Z	-9.847	-9.847	0	%100
21	M16A	X	17.056	17.056	0	%100
22	M16A	Z	-9.847	-9.847	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	18.324	18.324	0	%100
26	M23	Z	-10.58	-10.58	0	%100
27	M24	X	1.698	1.698	0	%100
28	M24	Z	-.98	-.98	0	%100
29	M25	X	18.313	18.313	0	%100
30	M25	Z	-10.573	-10.573	0	%100
31	MP1A	X	8.102	8.102	0	%100
32	MP1A	Z	-4.677	-4.677	0	%100
33	MP2A	X	8.102	8.102	0	%100
34	MP2A	Z	-4.677	-4.677	0	%100
35	MP3A	X	8.102	8.102	0	%100
36	MP3A	Z	-4.677	-4.677	0	%100
37	MP4A	X	8.102	8.102	0	%100
38	MP4A	Z	-4.677	-4.677	0	%100
39	MP1C	X	8.102	8.102	0	%100
40	MP1C	Z	-4.677	-4.677	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
41	MP2C	X	8.102	8.102	0	%100
42	MP2C	Z	-4.677	-4.677	0	%100
43	MP3C	X	8.102	8.102	0	%100
44	MP3C	Z	-4.677	-4.677	0	%100
45	MP4C	X	8.102	8.102	0	%100
46	MP4C	Z	-4.677	-4.677	0	%100
47	MP1B	X	8.102	8.102	0	%100
48	MP1B	Z	-4.677	-4.677	0	%100
49	MP2B	X	8.102	8.102	0	%100
50	MP2B	Z	-4.677	-4.677	0	%100
51	MP3B	X	8.102	8.102	0	%100
52	MP3B	Z	-4.677	-4.677	0	%100
53	MP4B	X	8.102	8.102	0	%100
54	MP4B	Z	-4.677	-4.677	0	%100
55	M49	X	2.025	2.025	0	%100
56	M49	Z	-1.169	-1.169	0	%100
57	M54	X	8.102	8.102	0	%100
58	M54	Z	-4.677	-4.677	0	%100
59	M59	X	2.025	2.025	0	%100
60	M59	Z	-1.169	-1.169	0	%100
61	M70	X	9.948	9.948	0	%100
62	M70	Z	-5.744	-5.744	0	%100
63	M77	X	2.487	2.487	0	%100
64	M77	Z	-1.436	-1.436	0	%100
65	M84	X	2.487	2.487	0	%100
66	M84	Z	-1.436	-1.436	0	%100
67	OVP1	X	6.625	6.625	0	%100
68	OVP1	Z	-3.825	-3.825	0	%100
69	OVP2	X	6.625	6.625	0	%100
70	OVP2	Z	-3.825	-3.825	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	0	0	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	0	0	0	%100
5	M10	X	4.151	4.151	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	12.375	12.375	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	4.151	4.151	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	14.771	14.771	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	14.771	14.771	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	16.605	16.605	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	3.094	3.094	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	14.764	14.764	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	14.767	14.767	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	3.094	3.094	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
24	M18	Z	0	0	0	%100
25	M23	X	27.549	27.549	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	8.353	8.353	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	8.353	8.353	0	%100
30	M25	Z	0	0	0	%100
31	MP1A	X	9.355	9.355	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	9.355	9.355	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	9.355	9.355	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	9.355	9.355	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	9.355	9.355	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	9.355	9.355	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	9.355	9.355	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	9.355	9.355	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	9.355	9.355	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	9.355	9.355	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	9.355	9.355	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	9.355	9.355	0	%100
54	MP4B	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M54	X	7.016	7.016	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	7.016	7.016	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	8.615	8.615	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	8.616	8.616	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	0	0	0	%100
67	OVP1	X	7.65	7.65	0	%100
68	OVP1	Z	0	0	0	%100
69	OVP2	X	7.65	7.65	0	%100
70	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	4.264	4.264	0	%100
2	M7	Z	2.462	2.462	0	%100
3	FACE	X	4.264	4.264	0	%100
4	FACE	Z	2.462	2.462	0	%100
5	M10	X	10.785	10.785	0	%100
6	M10	Z	6.227	6.227	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
7	M14	X	8.038	8.038	0	%100
8	M14	Z	4.641	4.641	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	17.056	17.056	0	%100
12	M8	Z	9.847	9.847	0	%100
13	M9	X	17.056	17.056	0	%100
14	M9	Z	9.847	9.847	0	%100
15	M10A	X	10.785	10.785	0	%100
16	M10A	Z	6.227	6.227	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	4.258	4.258	0	%100
20	M15A	Z	2.458	2.458	0	%100
21	M16A	X	4.261	4.261	0	%100
22	M16A	Z	2.46	2.46	0	%100
23	M18	X	8.038	8.038	0	%100
24	M18	Z	4.641	4.641	0	%100
25	M23	X	18.313	18.313	0	%100
26	M23	Z	10.573	10.573	0	%100
27	M24	X	18.318	18.318	0	%100
28	M24	Z	10.576	10.576	0	%100
29	M25	X	1.7	1.7	0	%100
30	M25	Z	.982	.982	0	%100
31	MP1A	X	8.102	8.102	0	%100
32	MP1A	Z	4.677	4.677	0	%100
33	MP2A	X	8.102	8.102	0	%100
34	MP2A	Z	4.677	4.677	0	%100
35	MP3A	X	8.102	8.102	0	%100
36	MP3A	Z	4.677	4.677	0	%100
37	MP4A	X	8.102	8.102	0	%100
38	MP4A	Z	4.677	4.677	0	%100
39	MP1C	X	8.102	8.102	0	%100
40	MP1C	Z	4.677	4.677	0	%100
41	MP2C	X	8.102	8.102	0	%100
42	MP2C	Z	4.677	4.677	0	%100
43	MP3C	X	8.102	8.102	0	%100
44	MP3C	Z	4.677	4.677	0	%100
45	MP4C	X	8.102	8.102	0	%100
46	MP4C	Z	4.677	4.677	0	%100
47	MP1B	X	8.102	8.102	0	%100
48	MP1B	Z	4.677	4.677	0	%100
49	MP2B	X	8.102	8.102	0	%100
50	MP2B	Z	4.677	4.677	0	%100
51	MP3B	X	8.102	8.102	0	%100
52	MP3B	Z	4.677	4.677	0	%100
53	MP4B	X	8.102	8.102	0	%100
54	MP4B	Z	4.677	4.677	0	%100
55	M49	X	2.025	2.025	0	%100
56	M49	Z	1.169	1.169	0	%100
57	M54	X	2.025	2.025	0	%100
58	M54	Z	1.169	1.169	0	%100
59	M59	X	8.102	8.102	0	%100
60	M59	Z	4.677	4.677	0	%100
61	M70	X	2.487	2.487	0	%100
62	M70	Z	1.436	1.436	0	%100
63	M77	X	9.948	9.948	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
64	M77	Z	5.744	5.744	0	%100
65	M84	X	2.487	2.487	0	%100
66	M84	Z	1.436	1.436	0	%100
67	OVP1	X	6.625	6.625	0	%100
68	OVP1	Z	3.825	3.825	0	%100
69	OVP2	X	6.625	6.625	0	%100
70	OVP2	Z	3.825	3.825	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	7.385	7.385	0	%100
2	M7	Z	12.792	12.792	0	%100
3	FACE	X	7.385	7.385	0	%100
4	FACE	Z	12.792	12.792	0	%100
5	M10	X	8.303	8.303	0	%100
6	M10	Z	14.38	14.38	0	%100
7	M14	X	1.547	1.547	0	%100
8	M14	Z	2.679	2.679	0	%100
9	M47	X	2.076	2.076	0	%100
10	M47	Z	3.595	3.595	0	%100
11	M8	X	7.385	7.385	0	%100
12	M8	Z	12.792	12.792	0	%100
13	M9	X	7.385	7.385	0	%100
14	M9	Z	12.792	12.792	0	%100
15	M10A	X	2.076	2.076	0	%100
16	M10A	Z	3.595	3.595	0	%100
17	M11	X	1.547	1.547	0	%100
18	M11	Z	2.679	2.679	0	%100
19	M15A	X	2e-6	2e-6	0	%100
20	M15A	Z	3e-6	3e-6	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	1e-6	1e-6	0	%100
23	M18	X	6.188	6.188	0	%100
24	M18	Z	10.717	10.717	0	%100
25	M23	X	4.177	4.177	0	%100
26	M23	Z	7.234	7.234	0	%100
27	M24	X	13.779	13.779	0	%100
28	M24	Z	23.865	23.865	0	%100
29	M25	X	4.183	4.183	0	%100
30	M25	Z	7.245	7.245	0	%100
31	MP1A	X	4.677	4.677	0	%100
32	MP1A	Z	8.102	8.102	0	%100
33	MP2A	X	4.677	4.677	0	%100
34	MP2A	Z	8.102	8.102	0	%100
35	MP3A	X	4.677	4.677	0	%100
36	MP3A	Z	8.102	8.102	0	%100
37	MP4A	X	4.677	4.677	0	%100
38	MP4A	Z	8.102	8.102	0	%100
39	MP1C	X	4.677	4.677	0	%100
40	MP1C	Z	8.102	8.102	0	%100
41	MP2C	X	4.677	4.677	0	%100
42	MP2C	Z	8.102	8.102	0	%100
43	MP3C	X	4.677	4.677	0	%100
44	MP3C	Z	8.102	8.102	0	%100
45	MP4C	X	4.677	4.677	0	%100
46	MP4C	Z	8.102	8.102	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
47	MP1B	X	4.677	4.677	0	%100
48	MP1B	Z	8.102	8.102	0	%100
49	MP2B	X	4.677	4.677	0	%100
50	MP2B	Z	8.102	8.102	0	%100
51	MP3B	X	4.677	4.677	0	%100
52	MP3B	Z	8.102	8.102	0	%100
53	MP4B	X	4.677	4.677	0	%100
54	MP4B	Z	8.102	8.102	0	%100
55	M49	X	3.508	3.508	0	%100
56	M49	Z	6.076	6.076	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	3.508	3.508	0	%100
60	M59	Z	6.076	6.076	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	4.308	4.308	0	%100
64	M77	Z	7.461	7.461	0	%100
65	M84	X	4.308	4.308	0	%100
66	M84	Z	7.461	7.461	0	%100
67	OVP1	X	3.825	3.825	0	%100
68	OVP1	Z	6.625	6.625	0	%100
69	OVP2	X	3.825	3.825	0	%100
70	OVP2	Z	6.625	6.625	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	19.694	19.694	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	19.694	19.694	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.454	12.454	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	12.454	12.454	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	4.924	4.924	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	4.924	4.924	0	%100
15	M10A	X	0	0	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	9.281	9.281	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	4.931	4.931	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	4.927	4.927	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	9.281	9.281	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.963	1.963	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	21.164	21.164	0	%100
29	M25	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
30	M25	Z	21.159	21.159	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	9.355	9.355	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	9.355	9.355	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	9.355	9.355	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	9.355	9.355	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	9.355	9.355	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	9.355	9.355	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	9.355	9.355	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	9.355	9.355	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	9.355	9.355	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	9.355	9.355	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	9.355	9.355	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	9.355	9.355	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	9.355	9.355	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	2.339	2.339	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	2.339	2.339	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	2.872	2.872	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	2.872	2.872	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	11.487	11.487	0	%100
67	OVP1	X	0	0	0	%100
68	OVP1	Z	7.65	7.65	0	%100
69	OVP2	X	0	0	0	%100
70	OVP2	Z	7.65	7.65	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-7.385	-7.385	0	%100
2	M7	Z	12.792	12.792	0	%100
3	FACE	X	-7.385	-7.385	0	%100
4	FACE	Z	12.792	12.792	0	%100
5	M10	X	-2.076	-2.076	0	%100
6	M10	Z	3.595	3.595	0	%100
7	M14	X	-1.547	-1.547	0	%100
8	M14	Z	2.679	2.679	0	%100
9	M47	X	-8.303	-8.303	0	%100
10	M47	Z	14.38	14.38	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	-2.076	-2.076	0	%100
16	M10A	Z	3.595	3.595	0	%100
17	M11	X	-6.188	-6.188	0	%100
18	M11	Z	10.717	10.717	0	%100
19	M15A	X	-7.389	-7.389	0	%100
20	M15A	Z	12.798	12.798	0	%100
21	M16A	X	-7.387	-7.387	0	%100
22	M16A	Z	12.795	12.795	0	%100
23	M18	X	-1.547	-1.547	0	%100
24	M18	Z	2.679	2.679	0	%100
25	M23	X	-4.183	-4.183	0	%100
26	M23	Z	7.245	7.245	0	%100
27	M24	X	-4.183	-4.183	0	%100
28	M24	Z	7.245	7.245	0	%100
29	M25	X	-13.775	-13.775	0	%100
30	M25	Z	23.858	23.858	0	%100
31	MP1A	X	-4.677	-4.677	0	%100
32	MP1A	Z	8.102	8.102	0	%100
33	MP2A	X	-4.677	-4.677	0	%100
34	MP2A	Z	8.102	8.102	0	%100
35	MP3A	X	-4.677	-4.677	0	%100
36	MP3A	Z	8.102	8.102	0	%100
37	MP4A	X	-4.677	-4.677	0	%100
38	MP4A	Z	8.102	8.102	0	%100
39	MP1C	X	-4.677	-4.677	0	%100
40	MP1C	Z	8.102	8.102	0	%100
41	MP2C	X	-4.677	-4.677	0	%100
42	MP2C	Z	8.102	8.102	0	%100
43	MP3C	X	-4.677	-4.677	0	%100
44	MP3C	Z	8.102	8.102	0	%100
45	MP4C	X	-4.677	-4.677	0	%100
46	MP4C	Z	8.102	8.102	0	%100
47	MP1B	X	-4.677	-4.677	0	%100
48	MP1B	Z	8.102	8.102	0	%100
49	MP2B	X	-4.677	-4.677	0	%100
50	MP2B	Z	8.102	8.102	0	%100
51	MP3B	X	-4.677	-4.677	0	%100
52	MP3B	Z	8.102	8.102	0	%100
53	MP4B	X	-4.677	-4.677	0	%100
54	MP4B	Z	8.102	8.102	0	%100
55	M49	X	-3.508	-3.508	0	%100
56	M49	Z	6.076	6.076	0	%100
57	M54	X	-3.508	-3.508	0	%100
58	M54	Z	6.076	6.076	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	-4.308	-4.308	0	%100
62	M70	Z	7.461	7.461	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	-4.308	-4.308	0	%100
66	M84	Z	7.461	7.461	0	%100
67	OVP1	X	-3.825	-3.825	0	%100
68	OVP1	Z	6.625	6.625	0	%100
69	OVP2	X	-3.825	-3.825	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
70	OVP2	Z	6.625	6.625	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-4.264	-4.264	0	%100
2	M7	Z	2.462	2.462	0	%100
3	FACE	X	-4.264	-4.264	0	%100
4	FACE	Z	2.462	2.462	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	-8.038	-8.038	0	%100
8	M14	Z	4.641	4.641	0	%100
9	M47	X	-10.785	-10.785	0	%100
10	M47	Z	6.227	6.227	0	%100
11	M8	X	-4.264	-4.264	0	%100
12	M8	Z	2.462	2.462	0	%100
13	M9	X	-4.264	-4.264	0	%100
14	M9	Z	2.462	2.462	0	%100
15	M10A	X	-10.785	-10.785	0	%100
16	M10A	Z	6.227	6.227	0	%100
17	M11	X	-8.038	-8.038	0	%100
18	M11	Z	4.641	4.641	0	%100
19	M15A	X	-17.056	-17.056	0	%100
20	M15A	Z	9.847	9.847	0	%100
21	M16A	X	-17.056	-17.056	0	%100
22	M16A	Z	9.847	9.847	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	-18.324	-18.324	0	%100
26	M23	Z	10.58	10.58	0	%100
27	M24	X	-1.698	-1.698	0	%100
28	M24	Z	.98	.98	0	%100
29	M25	X	-18.313	-18.313	0	%100
30	M25	Z	10.573	10.573	0	%100
31	MP1A	X	-8.102	-8.102	0	%100
32	MP1A	Z	4.677	4.677	0	%100
33	MP2A	X	-8.102	-8.102	0	%100
34	MP2A	Z	4.677	4.677	0	%100
35	MP3A	X	-8.102	-8.102	0	%100
36	MP3A	Z	4.677	4.677	0	%100
37	MP4A	X	-8.102	-8.102	0	%100
38	MP4A	Z	4.677	4.677	0	%100
39	MP1C	X	-8.102	-8.102	0	%100
40	MP1C	Z	4.677	4.677	0	%100
41	MP2C	X	-8.102	-8.102	0	%100
42	MP2C	Z	4.677	4.677	0	%100
43	MP3C	X	-8.102	-8.102	0	%100
44	MP3C	Z	4.677	4.677	0	%100
45	MP4C	X	-8.102	-8.102	0	%100
46	MP4C	Z	4.677	4.677	0	%100
47	MP1B	X	-8.102	-8.102	0	%100
48	MP1B	Z	4.677	4.677	0	%100
49	MP2B	X	-8.102	-8.102	0	%100
50	MP2B	Z	4.677	4.677	0	%100
51	MP3B	X	-8.102	-8.102	0	%100
52	MP3B	Z	4.677	4.677	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
53	MP4B	X	-8.102	-8.102	0	%100
54	MP4B	Z	4.677	4.677	0	%100
55	M49	X	-2.025	-2.025	0	%100
56	M49	Z	1.169	1.169	0	%100
57	M54	X	-8.102	-8.102	0	%100
58	M54	Z	4.677	4.677	0	%100
59	M59	X	-2.025	-2.025	0	%100
60	M59	Z	1.169	1.169	0	%100
61	M70	X	-9.948	-9.948	0	%100
62	M70	Z	5.744	5.744	0	%100
63	M77	X	-2.487	-2.487	0	%100
64	M77	Z	1.436	1.436	0	%100
65	M84	X	-2.487	-2.487	0	%100
66	M84	Z	1.436	1.436	0	%100
67	OVP1	X	-6.625	-6.625	0	%100
68	OVP1	Z	3.825	3.825	0	%100
69	OVP2	X	-6.625	-6.625	0	%100
70	OVP2	Z	3.825	3.825	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	0	0	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	0	0	0	%100
5	M10	X	-4.151	-4.151	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	-12.375	-12.375	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	-4.151	-4.151	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	-14.771	-14.771	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-14.771	-14.771	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	-16.605	-16.605	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	-3.094	-3.094	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	-14.764	-14.764	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	-14.767	-14.767	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	-3.094	-3.094	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	-27.549	-27.549	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	-8.353	-8.353	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-8.353	-8.353	0	%100
30	M25	Z	0	0	0	%100
31	MP1A	X	-9.355	-9.355	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	-9.355	-9.355	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-9.355	-9.355	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-9.355	-9.355	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	-9.355	-9.355	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	-9.355	-9.355	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	-9.355	-9.355	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	-9.355	-9.355	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	-9.355	-9.355	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	-9.355	-9.355	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	-9.355	-9.355	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	-9.355	-9.355	0	%100
54	MP4B	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M54	X	-7.016	-7.016	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	-7.016	-7.016	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	-8.615	-8.615	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	-8.616	-8.616	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	0	0	0	%100
67	OVP1	X	-7.65	-7.65	0	%100
68	OVP1	Z	0	0	0	%100
69	OVP2	X	-7.65	-7.65	0	%100
70	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-4.264	-4.264	0	%100
2	M7	Z	-2.462	-2.462	0	%100
3	FACE	X	-4.264	-4.264	0	%100
4	FACE	Z	-2.462	-2.462	0	%100
5	M10	X	-10.785	-10.785	0	%100
6	M10	Z	-6.227	-6.227	0	%100
7	M14	X	-8.038	-8.038	0	%100
8	M14	Z	-4.641	-4.641	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	-17.056	-17.056	0	%100
12	M8	Z	-9.847	-9.847	0	%100
13	M9	X	-17.056	-17.056	0	%100
14	M9	Z	-9.847	-9.847	0	%100
15	M10A	X	-10.785	-10.785	0	%100
16	M10A	Z	-6.227	-6.227	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
19	M15A	X	-4.258	-4.258	0	%100
20	M15A	Z	-2.458	-2.458	0	%100
21	M16A	X	-4.261	-4.261	0	%100
22	M16A	Z	-2.46	-2.46	0	%100
23	M18	X	-8.038	-8.038	0	%100
24	M18	Z	-4.641	-4.641	0	%100
25	M23	X	-18.313	-18.313	0	%100
26	M23	Z	-10.573	-10.573	0	%100
27	M24	X	-18.318	-18.318	0	%100
28	M24	Z	-10.576	-10.576	0	%100
29	M25	X	-1.7	-1.7	0	%100
30	M25	Z	-.982	-.982	0	%100
31	MP1A	X	-8.102	-8.102	0	%100
32	MP1A	Z	-4.677	-4.677	0	%100
33	MP2A	X	-8.102	-8.102	0	%100
34	MP2A	Z	-4.677	-4.677	0	%100
35	MP3A	X	-8.102	-8.102	0	%100
36	MP3A	Z	-4.677	-4.677	0	%100
37	MP4A	X	-8.102	-8.102	0	%100
38	MP4A	Z	-4.677	-4.677	0	%100
39	MP1C	X	-8.102	-8.102	0	%100
40	MP1C	Z	-4.677	-4.677	0	%100
41	MP2C	X	-8.102	-8.102	0	%100
42	MP2C	Z	-4.677	-4.677	0	%100
43	MP3C	X	-8.102	-8.102	0	%100
44	MP3C	Z	-4.677	-4.677	0	%100
45	MP4C	X	-8.102	-8.102	0	%100
46	MP4C	Z	-4.677	-4.677	0	%100
47	MP1B	X	-8.102	-8.102	0	%100
48	MP1B	Z	-4.677	-4.677	0	%100
49	MP2B	X	-8.102	-8.102	0	%100
50	MP2B	Z	-4.677	-4.677	0	%100
51	MP3B	X	-8.102	-8.102	0	%100
52	MP3B	Z	-4.677	-4.677	0	%100
53	MP4B	X	-8.102	-8.102	0	%100
54	MP4B	Z	-4.677	-4.677	0	%100
55	M49	X	-2.025	-2.025	0	%100
56	M49	Z	-1.169	-1.169	0	%100
57	M54	X	-2.025	-2.025	0	%100
58	M54	Z	-1.169	-1.169	0	%100
59	M59	X	-8.102	-8.102	0	%100
60	M59	Z	-4.677	-4.677	0	%100
61	M70	X	-2.487	-2.487	0	%100
62	M70	Z	-1.436	-1.436	0	%100
63	M77	X	-9.948	-9.948	0	%100
64	M77	Z	-5.744	-5.744	0	%100
65	M84	X	-2.487	-2.487	0	%100
66	M84	Z	-1.436	-1.436	0	%100
67	OVP1	X	-6.625	-6.625	0	%100
68	OVP1	Z	-3.825	-3.825	0	%100
69	OVP2	X	-6.625	-6.625	0	%100
70	OVP2	Z	-3.825	-3.825	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-7.385	-7.385	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
2	M7	Z	-12.792	-12.792	0	%100
3	FACE	X	-7.385	-7.385	0	%100
4	FACE	Z	-12.792	-12.792	0	%100
5	M10	X	-8.303	-8.303	0	%100
6	M10	Z	-14.38	-14.38	0	%100
7	M14	X	-1.547	-1.547	0	%100
8	M14	Z	-2.679	-2.679	0	%100
9	M47	X	-2.076	-2.076	0	%100
10	M47	Z	-3.595	-3.595	0	%100
11	M8	X	-7.385	-7.385	0	%100
12	M8	Z	-12.792	-12.792	0	%100
13	M9	X	-7.385	-7.385	0	%100
14	M9	Z	-12.792	-12.792	0	%100
15	M10A	X	-2.076	-2.076	0	%100
16	M10A	Z	-3.595	-3.595	0	%100
17	M11	X	-1.547	-1.547	0	%100
18	M11	Z	-2.679	-2.679	0	%100
19	M15A	X	-2e-6	-2e-6	0	%100
20	M15A	Z	-3e-6	-3e-6	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	-1e-6	-1e-6	0	%100
23	M18	X	-6.188	-6.188	0	%100
24	M18	Z	-10.717	-10.717	0	%100
25	M23	X	-4.177	-4.177	0	%100
26	M23	Z	-7.234	-7.234	0	%100
27	M24	X	-13.779	-13.779	0	%100
28	M24	Z	-23.865	-23.865	0	%100
29	M25	X	-4.183	-4.183	0	%100
30	M25	Z	-7.245	-7.245	0	%100
31	MP1A	X	-4.677	-4.677	0	%100
32	MP1A	Z	-8.102	-8.102	0	%100
33	MP2A	X	-4.677	-4.677	0	%100
34	MP2A	Z	-8.102	-8.102	0	%100
35	MP3A	X	-4.677	-4.677	0	%100
36	MP3A	Z	-8.102	-8.102	0	%100
37	MP4A	X	-4.677	-4.677	0	%100
38	MP4A	Z	-8.102	-8.102	0	%100
39	MP1C	X	-4.677	-4.677	0	%100
40	MP1C	Z	-8.102	-8.102	0	%100
41	MP2C	X	-4.677	-4.677	0	%100
42	MP2C	Z	-8.102	-8.102	0	%100
43	MP3C	X	-4.677	-4.677	0	%100
44	MP3C	Z	-8.102	-8.102	0	%100
45	MP4C	X	-4.677	-4.677	0	%100
46	MP4C	Z	-8.102	-8.102	0	%100
47	MP1B	X	-4.677	-4.677	0	%100
48	MP1B	Z	-8.102	-8.102	0	%100
49	MP2B	X	-4.677	-4.677	0	%100
50	MP2B	Z	-8.102	-8.102	0	%100
51	MP3B	X	-4.677	-4.677	0	%100
52	MP3B	Z	-8.102	-8.102	0	%100
53	MP4B	X	-4.677	-4.677	0	%100
54	MP4B	Z	-8.102	-8.102	0	%100
55	M49	X	-3.508	-3.508	0	%100
56	M49	Z	-6.076	-6.076	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
59	M59	X	-3.508	-3.508	0	%100
60	M59	Z	-6.076	-6.076	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	-4.308	-4.308	0	%100
64	M77	Z	-7.461	-7.461	0	%100
65	M84	X	-4.308	-4.308	0	%100
66	M84	Z	-7.461	-7.461	0	%100
67	OVP1	X	-3.825	-3.825	0	%100
68	OVP1	Z	-6.625	-6.625	0	%100
69	OVP2	X	-3.825	-3.825	0	%100
70	OVP2	Z	-6.625	-6.625	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	-5.936	-5.936	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	-5.936	-5.936	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.662	-3.662	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	-3.662	-3.662	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-1.484	-1.484	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-1.484	-1.484	0	%100
15	M10A	X	0	0	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-2.994	-2.994	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	-1.486	-1.486	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	-1.485	-1.485	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-2.994	-2.994	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-.516	-.516	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-5.563	-5.563	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-5.561	-5.561	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-3.911	-3.911	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-3.911	-3.911	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-3.911	-3.911	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-3.911	-3.911	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	-3.911	-3.911	0	%100
41	MP2C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
42	MP2C	Z	-3.911	-3.911	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-3.911	-3.911	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	-3.911	-3.911	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	-3.911	-3.911	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-3.911	-3.911	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-3.911	-3.911	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-3.911	-3.911	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	-4.079	-4.079	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-1.02	-1.02	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	-1.02	-1.02	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-.895	-.895	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	-.895	-.895	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	-3.58	-3.58	0	%100
67	OVP1	X	0	0	0	%100
68	OVP1	Z	-3.134	-3.134	0	%100
69	OVP2	X	0	0	0	%100
70	OVP2	Z	-3.134	-3.134	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	2.226	2.226	0	%100
2	M7	Z	-3.855	-3.855	0	%100
3	FACE	X	2.226	2.226	0	%100
4	FACE	Z	-3.855	-3.855	0	%100
5	M10	X	.61	.61	0	%100
6	M10	Z	-1.057	-1.057	0	%100
7	M14	X	.499	.499	0	%100
8	M14	Z	-.864	-.864	0	%100
9	M47	X	2.441	2.441	0	%100
10	M47	Z	-4.228	-4.228	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	.61	.61	0	%100
16	M10A	Z	-1.057	-1.057	0	%100
17	M11	X	1.996	1.996	0	%100
18	M11	Z	-3.457	-3.457	0	%100
19	M15A	X	2.227	2.227	0	%100
20	M15A	Z	-3.857	-3.857	0	%100
21	M16A	X	2.226	2.226	0	%100
22	M16A	Z	-3.856	-3.856	0	%100
23	M18	X	.499	.499	0	%100
24	M18	Z	-.864	-.864	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
25	M23	X	1.099	1.099	0	%100
26	M23	Z	-1.904	-1.904	0	%100
27	M24	X	1.099	1.099	0	%100
28	M24	Z	-1.904	-1.904	0	%100
29	M25	X	3.62	3.62	0	%100
30	M25	Z	-6.271	-6.271	0	%100
31	MP1A	X	1.956	1.956	0	%100
32	MP1A	Z	-3.387	-3.387	0	%100
33	MP2A	X	1.956	1.956	0	%100
34	MP2A	Z	-3.387	-3.387	0	%100
35	MP3A	X	1.956	1.956	0	%100
36	MP3A	Z	-3.387	-3.387	0	%100
37	MP4A	X	1.956	1.956	0	%100
38	MP4A	Z	-3.387	-3.387	0	%100
39	MP1C	X	1.956	1.956	0	%100
40	MP1C	Z	-3.387	-3.387	0	%100
41	MP2C	X	1.956	1.956	0	%100
42	MP2C	Z	-3.387	-3.387	0	%100
43	MP3C	X	1.956	1.956	0	%100
44	MP3C	Z	-3.387	-3.387	0	%100
45	MP4C	X	1.956	1.956	0	%100
46	MP4C	Z	-3.387	-3.387	0	%100
47	MP1B	X	1.956	1.956	0	%100
48	MP1B	Z	-3.387	-3.387	0	%100
49	MP2B	X	1.956	1.956	0	%100
50	MP2B	Z	-3.387	-3.387	0	%100
51	MP3B	X	1.956	1.956	0	%100
52	MP3B	Z	-3.387	-3.387	0	%100
53	MP4B	X	1.956	1.956	0	%100
54	MP4B	Z	-3.387	-3.387	0	%100
55	M49	X	1.53	1.53	0	%100
56	M49	Z	-2.649	-2.649	0	%100
57	M54	X	1.53	1.53	0	%100
58	M54	Z	-2.649	-2.649	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	1.343	1.343	0	%100
62	M70	Z	-2.325	-2.325	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	1.343	1.343	0	%100
66	M84	Z	-2.325	-2.325	0	%100
67	OVP1	X	1.567	1.567	0	%100
68	OVP1	Z	-2.714	-2.714	0	%100
69	OVP2	X	1.567	1.567	0	%100
70	OVP2	Z	-2.714	-2.714	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	1.285	1.285	0	%100
2	M7	Z	-.742	-.742	0	%100
3	FACE	X	1.285	1.285	0	%100
4	FACE	Z	-.742	-.742	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	2.593	2.593	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
8	M14	Z	-1.497	-1.497	0	%100
9	M47	X	3.171	3.171	0	%100
10	M47	Z	-1.831	-1.831	0	%100
11	M8	X	1.285	1.285	0	%100
12	M8	Z	-.742	-.742	0	%100
13	M9	X	1.285	1.285	0	%100
14	M9	Z	-.742	-.742	0	%100
15	M10A	X	3.171	3.171	0	%100
16	M10A	Z	-1.831	-1.831	0	%100
17	M11	X	2.593	2.593	0	%100
18	M11	Z	-1.497	-1.497	0	%100
19	M15A	X	5.14	5.14	0	%100
20	M15A	Z	-2.968	-2.968	0	%100
21	M16A	X	5.14	5.14	0	%100
22	M16A	Z	-2.968	-2.968	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	4.816	4.816	0	%100
26	M23	Z	-2.781	-2.781	0	%100
27	M24	X	.446	.446	0	%100
28	M24	Z	-.258	-.258	0	%100
29	M25	X	4.813	4.813	0	%100
30	M25	Z	-2.779	-2.779	0	%100
31	MP1A	X	3.387	3.387	0	%100
32	MP1A	Z	-1.956	-1.956	0	%100
33	MP2A	X	3.387	3.387	0	%100
34	MP2A	Z	-1.956	-1.956	0	%100
35	MP3A	X	3.387	3.387	0	%100
36	MP3A	Z	-1.956	-1.956	0	%100
37	MP4A	X	3.387	3.387	0	%100
38	MP4A	Z	-1.956	-1.956	0	%100
39	MP1C	X	3.387	3.387	0	%100
40	MP1C	Z	-1.956	-1.956	0	%100
41	MP2C	X	3.387	3.387	0	%100
42	MP2C	Z	-1.956	-1.956	0	%100
43	MP3C	X	3.387	3.387	0	%100
44	MP3C	Z	-1.956	-1.956	0	%100
45	MP4C	X	3.387	3.387	0	%100
46	MP4C	Z	-1.956	-1.956	0	%100
47	MP1B	X	3.387	3.387	0	%100
48	MP1B	Z	-1.956	-1.956	0	%100
49	MP2B	X	3.387	3.387	0	%100
50	MP2B	Z	-1.956	-1.956	0	%100
51	MP3B	X	3.387	3.387	0	%100
52	MP3B	Z	-1.956	-1.956	0	%100
53	MP4B	X	3.387	3.387	0	%100
54	MP4B	Z	-1.956	-1.956	0	%100
55	M49	X	.883	.883	0	%100
56	M49	Z	-.51	-.51	0	%100
57	M54	X	3.533	3.533	0	%100
58	M54	Z	-2.04	-2.04	0	%100
59	M59	X	.883	.883	0	%100
60	M59	Z	-.51	-.51	0	%100
61	M70	X	3.101	3.101	0	%100
62	M70	Z	-1.79	-1.79	0	%100
63	M77	X	.775	.775	0	%100
64	M77	Z	-.448	-.448	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
65	M84	X	.775	.775	0	%100
66	M84	Z	-.447	-.447	0	%100
67	OVP1	X	2.714	2.714	0	%100
68	OVP1	Z	-1.567	-1.567	0	%100
69	OVP2	X	2.714	2.714	0	%100
70	OVP2	Z	-1.567	-1.567	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	0	0	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	0	0	0	%100
5	M10	X	1.221	1.221	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	3.992	3.992	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	1.221	1.221	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	4.452	4.452	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	4.452	4.452	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	4.882	4.882	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	.998	.998	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	4.45	4.45	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	4.451	4.451	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	.998	.998	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	7.241	7.241	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	2.196	2.196	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	2.196	2.196	0	%100
30	M25	Z	0	0	0	%100
31	MP1A	X	3.911	3.911	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	3.911	3.911	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	3.911	3.911	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	3.911	3.911	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	3.911	3.911	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	3.911	3.911	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	3.911	3.911	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	3.911	3.911	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	3.911	3.911	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
48	MP1B	Z	0	0	0	%100
49	MP2B	X	3.911	3.911	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	3.911	3.911	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	3.911	3.911	0	%100
54	MP4B	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M54	X	3.059	3.059	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	3.059	3.059	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	2.685	2.685	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	2.685	2.685	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	0	0	0	%100
67	OVP1	X	3.134	3.134	0	%100
68	OVP1	Z	0	0	0	%100
69	OVP2	X	3.134	3.134	0	%100
70	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	1.285	1.285	0	%100
2	M7	Z	.742	.742	0	%100
3	FACE	X	1.285	1.285	0	%100
4	FACE	Z	.742	.742	0	%100
5	M10	X	3.171	3.171	0	%100
6	M10	Z	1.831	1.831	0	%100
7	M14	X	2.593	2.593	0	%100
8	M14	Z	1.497	1.497	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	5.14	5.14	0	%100
12	M8	Z	2.968	2.968	0	%100
13	M9	X	5.14	5.14	0	%100
14	M9	Z	2.968	2.968	0	%100
15	M10A	X	3.171	3.171	0	%100
16	M10A	Z	1.831	1.831	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	1.283	1.283	0	%100
20	M15A	Z	.741	.741	0	%100
21	M16A	X	1.284	1.284	0	%100
22	M16A	Z	.741	.741	0	%100
23	M18	X	2.593	2.593	0	%100
24	M18	Z	1.497	1.497	0	%100
25	M23	X	4.813	4.813	0	%100
26	M23	Z	2.779	2.779	0	%100
27	M24	X	4.815	4.815	0	%100
28	M24	Z	2.78	2.78	0	%100
29	M25	X	.447	.447	0	%100
30	M25	Z	.258	.258	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
31	MP1A	X	3.387	3.387	0	%100
32	MP1A	Z	1.956	1.956	0	%100
33	MP2A	X	3.387	3.387	0	%100
34	MP2A	Z	1.956	1.956	0	%100
35	MP3A	X	3.387	3.387	0	%100
36	MP3A	Z	1.956	1.956	0	%100
37	MP4A	X	3.387	3.387	0	%100
38	MP4A	Z	1.956	1.956	0	%100
39	MP1C	X	3.387	3.387	0	%100
40	MP1C	Z	1.956	1.956	0	%100
41	MP2C	X	3.387	3.387	0	%100
42	MP2C	Z	1.956	1.956	0	%100
43	MP3C	X	3.387	3.387	0	%100
44	MP3C	Z	1.956	1.956	0	%100
45	MP4C	X	3.387	3.387	0	%100
46	MP4C	Z	1.956	1.956	0	%100
47	MP1B	X	3.387	3.387	0	%100
48	MP1B	Z	1.956	1.956	0	%100
49	MP2B	X	3.387	3.387	0	%100
50	MP2B	Z	1.956	1.956	0	%100
51	MP3B	X	3.387	3.387	0	%100
52	MP3B	Z	1.956	1.956	0	%100
53	MP4B	X	3.387	3.387	0	%100
54	MP4B	Z	1.956	1.956	0	%100
55	M49	X	.883	.883	0	%100
56	M49	Z	.51	.51	0	%100
57	M54	X	.883	.883	0	%100
58	M54	Z	.51	.51	0	%100
59	M59	X	3.533	3.533	0	%100
60	M59	Z	2.04	2.04	0	%100
61	M70	X	.775	.775	0	%100
62	M70	Z	.447	.447	0	%100
63	M77	X	3.101	3.101	0	%100
64	M77	Z	1.79	1.79	0	%100
65	M84	X	.775	.775	0	%100
66	M84	Z	.448	.448	0	%100
67	OVP1	X	2.714	2.714	0	%100
68	OVP1	Z	1.567	1.567	0	%100
69	OVP2	X	2.714	2.714	0	%100
70	OVP2	Z	1.567	1.567	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	2.226	2.226	0	%100
2	M7	Z	3.855	3.855	0	%100
3	FACE	X	2.226	2.226	0	%100
4	FACE	Z	3.855	3.855	0	%100
5	M10	X	2.441	2.441	0	%100
6	M10	Z	4.228	4.228	0	%100
7	M14	X	.499	.499	0	%100
8	M14	Z	.864	.864	0	%100
9	M47	X	.61	.61	0	%100
10	M47	Z	1.057	1.057	0	%100
11	M8	X	2.226	2.226	0	%100
12	M8	Z	3.855	3.855	0	%100
13	M9	X	2.226	2.226	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
14	M9	Z	3.855	3.855	0	%100
15	M10A	X	.61	.61	0	%100
16	M10A	Z	1.057	1.057	0	%100
17	M11	X	.499	.499	0	%100
18	M11	Z	.864	.864	0	%100
19	M15A	X	1e-6	1e-6	0	%100
20	M15A	Z	1e-6	1e-6	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	1.996	1.996	0	%100
24	M18	Z	3.457	3.457	0	%100
25	M23	X	1.098	1.098	0	%100
26	M23	Z	1.901	1.901	0	%100
27	M24	X	3.622	3.622	0	%100
28	M24	Z	6.273	6.273	0	%100
29	M25	X	1.099	1.099	0	%100
30	M25	Z	1.904	1.904	0	%100
31	MP1A	X	1.956	1.956	0	%100
32	MP1A	Z	3.387	3.387	0	%100
33	MP2A	X	1.956	1.956	0	%100
34	MP2A	Z	3.387	3.387	0	%100
35	MP3A	X	1.956	1.956	0	%100
36	MP3A	Z	3.387	3.387	0	%100
37	MP4A	X	1.956	1.956	0	%100
38	MP4A	Z	3.387	3.387	0	%100
39	MP1C	X	1.956	1.956	0	%100
40	MP1C	Z	3.387	3.387	0	%100
41	MP2C	X	1.956	1.956	0	%100
42	MP2C	Z	3.387	3.387	0	%100
43	MP3C	X	1.956	1.956	0	%100
44	MP3C	Z	3.387	3.387	0	%100
45	MP4C	X	1.956	1.956	0	%100
46	MP4C	Z	3.387	3.387	0	%100
47	MP1B	X	1.956	1.956	0	%100
48	MP1B	Z	3.387	3.387	0	%100
49	MP2B	X	1.956	1.956	0	%100
50	MP2B	Z	3.387	3.387	0	%100
51	MP3B	X	1.956	1.956	0	%100
52	MP3B	Z	3.387	3.387	0	%100
53	MP4B	X	1.956	1.956	0	%100
54	MP4B	Z	3.387	3.387	0	%100
55	M49	X	1.53	1.53	0	%100
56	M49	Z	2.649	2.649	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	1.53	1.53	0	%100
60	M59	Z	2.649	2.649	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	1.343	1.343	0	%100
64	M77	Z	2.325	2.325	0	%100
65	M84	X	1.343	1.343	0	%100
66	M84	Z	2.325	2.325	0	%100
67	OVP1	X	1.567	1.567	0	%100
68	OVP1	Z	2.714	2.714	0	%100
69	OVP2	X	1.567	1.567	0	%100
70	OVP2	Z	2.714	2.714	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	5.936	5.936	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	5.936	5.936	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.662	3.662	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	3.662	3.662	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	1.484	1.484	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	1.484	1.484	0	%100
15	M10A	X	0	0	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	2.994	2.994	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	1.486	1.486	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	1.485	1.485	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	2.994	2.994	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.516	.516	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	5.563	5.563	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	5.561	5.561	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	3.911	3.911	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	3.911	3.911	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	3.911	3.911	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	3.911	3.911	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	3.911	3.911	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	3.911	3.911	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	3.911	3.911	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	3.911	3.911	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	3.911	3.911	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	3.911	3.911	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	3.911	3.911	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	3.911	3.911	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	4.079	4.079	0	%100
57	M54	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
58	M54	Z	1.02	1.02	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	1.02	1.02	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	.895	.895	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	.895	.895	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	3.58	3.58	0	%100
67	OVP1	X	0	0	0	%100
68	OVP1	Z	3.134	3.134	0	%100
69	OVP2	X	0	0	0	%100
70	OVP2	Z	3.134	3.134	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-2.226	-2.226	0	%100
2	M7	Z	3.855	3.855	0	%100
3	FACE	X	-2.226	-2.226	0	%100
4	FACE	Z	3.855	3.855	0	%100
5	M10	X	-.61	-.61	0	%100
6	M10	Z	1.057	1.057	0	%100
7	M14	X	-.499	-.499	0	%100
8	M14	Z	.864	.864	0	%100
9	M47	X	-2.441	-2.441	0	%100
10	M47	Z	4.228	4.228	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	-.61	-.61	0	%100
16	M10A	Z	1.057	1.057	0	%100
17	M11	X	-1.996	-1.996	0	%100
18	M11	Z	3.457	3.457	0	%100
19	M15A	X	-2.227	-2.227	0	%100
20	M15A	Z	3.857	3.857	0	%100
21	M16A	X	-2.226	-2.226	0	%100
22	M16A	Z	3.856	3.856	0	%100
23	M18	X	-.499	-.499	0	%100
24	M18	Z	.864	.864	0	%100
25	M23	X	-1.099	-1.099	0	%100
26	M23	Z	1.904	1.904	0	%100
27	M24	X	-1.099	-1.099	0	%100
28	M24	Z	1.904	1.904	0	%100
29	M25	X	-3.62	-3.62	0	%100
30	M25	Z	6.271	6.271	0	%100
31	MP1A	X	-1.956	-1.956	0	%100
32	MP1A	Z	3.387	3.387	0	%100
33	MP2A	X	-1.956	-1.956	0	%100
34	MP2A	Z	3.387	3.387	0	%100
35	MP3A	X	-1.956	-1.956	0	%100
36	MP3A	Z	3.387	3.387	0	%100
37	MP4A	X	-1.956	-1.956	0	%100
38	MP4A	Z	3.387	3.387	0	%100
39	MP1C	X	-1.956	-1.956	0	%100
40	MP1C	Z	3.387	3.387	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
41	MP2C	X	-1.956	-1.956	0	%100
42	MP2C	Z	3.387	3.387	0	%100
43	MP3C	X	-1.956	-1.956	0	%100
44	MP3C	Z	3.387	3.387	0	%100
45	MP4C	X	-1.956	-1.956	0	%100
46	MP4C	Z	3.387	3.387	0	%100
47	MP1B	X	-1.956	-1.956	0	%100
48	MP1B	Z	3.387	3.387	0	%100
49	MP2B	X	-1.956	-1.956	0	%100
50	MP2B	Z	3.387	3.387	0	%100
51	MP3B	X	-1.956	-1.956	0	%100
52	MP3B	Z	3.387	3.387	0	%100
53	MP4B	X	-1.956	-1.956	0	%100
54	MP4B	Z	3.387	3.387	0	%100
55	M49	X	-1.53	-1.53	0	%100
56	M49	Z	2.649	2.649	0	%100
57	M54	X	-1.53	-1.53	0	%100
58	M54	Z	2.649	2.649	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	-1.343	-1.343	0	%100
62	M70	Z	2.325	2.325	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	-1.343	-1.343	0	%100
66	M84	Z	2.325	2.325	0	%100
67	OVP1	X	-1.567	-1.567	0	%100
68	OVP1	Z	2.714	2.714	0	%100
69	OVP2	X	-1.567	-1.567	0	%100
70	OVP2	Z	2.714	2.714	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-1.285	-1.285	0	%100
2	M7	Z	.742	.742	0	%100
3	FACE	X	-1.285	-1.285	0	%100
4	FACE	Z	.742	.742	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	-2.593	-2.593	0	%100
8	M14	Z	1.497	1.497	0	%100
9	M47	X	-3.171	-3.171	0	%100
10	M47	Z	1.831	1.831	0	%100
11	M8	X	-1.285	-1.285	0	%100
12	M8	Z	.742	.742	0	%100
13	M9	X	-1.285	-1.285	0	%100
14	M9	Z	.742	.742	0	%100
15	M10A	X	-3.171	-3.171	0	%100
16	M10A	Z	1.831	1.831	0	%100
17	M11	X	-2.593	-2.593	0	%100
18	M11	Z	1.497	1.497	0	%100
19	M15A	X	-5.14	-5.14	0	%100
20	M15A	Z	2.968	2.968	0	%100
21	M16A	X	-5.14	-5.14	0	%100
22	M16A	Z	2.968	2.968	0	%100
23	M18	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
24	M18	Z	0	0	0	%100
25	M23	X	-4.816	-4.816	0	%100
26	M23	Z	2.781	2.781	0	%100
27	M24	X	-.446	-.446	0	%100
28	M24	Z	.258	.258	0	%100
29	M25	X	-4.813	-4.813	0	%100
30	M25	Z	2.779	2.779	0	%100
31	MP1A	X	-3.387	-3.387	0	%100
32	MP1A	Z	1.956	1.956	0	%100
33	MP2A	X	-3.387	-3.387	0	%100
34	MP2A	Z	1.956	1.956	0	%100
35	MP3A	X	-3.387	-3.387	0	%100
36	MP3A	Z	1.956	1.956	0	%100
37	MP4A	X	-3.387	-3.387	0	%100
38	MP4A	Z	1.956	1.956	0	%100
39	MP1C	X	-3.387	-3.387	0	%100
40	MP1C	Z	1.956	1.956	0	%100
41	MP2C	X	-3.387	-3.387	0	%100
42	MP2C	Z	1.956	1.956	0	%100
43	MP3C	X	-3.387	-3.387	0	%100
44	MP3C	Z	1.956	1.956	0	%100
45	MP4C	X	-3.387	-3.387	0	%100
46	MP4C	Z	1.956	1.956	0	%100
47	MP1B	X	-3.387	-3.387	0	%100
48	MP1B	Z	1.956	1.956	0	%100
49	MP2B	X	-3.387	-3.387	0	%100
50	MP2B	Z	1.956	1.956	0	%100
51	MP3B	X	-3.387	-3.387	0	%100
52	MP3B	Z	1.956	1.956	0	%100
53	MP4B	X	-3.387	-3.387	0	%100
54	MP4B	Z	1.956	1.956	0	%100
55	M49	X	-.883	-.883	0	%100
56	M49	Z	.51	.51	0	%100
57	M54	X	-3.533	-3.533	0	%100
58	M54	Z	2.04	2.04	0	%100
59	M59	X	-.883	-.883	0	%100
60	M59	Z	.51	.51	0	%100
61	M70	X	-3.101	-3.101	0	%100
62	M70	Z	1.79	1.79	0	%100
63	M77	X	-.775	-.775	0	%100
64	M77	Z	.448	.448	0	%100
65	M84	X	-.775	-.775	0	%100
66	M84	Z	.447	.447	0	%100
67	OVP1	X	-2.714	-2.714	0	%100
68	OVP1	Z	1.567	1.567	0	%100
69	OVP2	X	-2.714	-2.714	0	%100
70	OVP2	Z	1.567	1.567	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	0	0	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	0	0	0	%100
5	M10	X	-1.221	-1.221	0	%100
6	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
7	M14	X	-3.992	-3.992	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	-1.221	-1.221	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	-4.452	-4.452	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-4.452	-4.452	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	-4.882	-4.882	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	-.998	-.998	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	-4.45	-4.45	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	-4.451	-4.451	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	-.998	-.998	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	-7.241	-7.241	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	-2.196	-2.196	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-2.196	-2.196	0	%100
30	M25	Z	0	0	0	%100
31	MP1A	X	-3.911	-3.911	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	-3.911	-3.911	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-3.911	-3.911	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-3.911	-3.911	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	-3.911	-3.911	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	-3.911	-3.911	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	-3.911	-3.911	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	-3.911	-3.911	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	-3.911	-3.911	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	-3.911	-3.911	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	-3.911	-3.911	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	-3.911	-3.911	0	%100
54	MP4B	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M54	X	-3.059	-3.059	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	-3.059	-3.059	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	-2.685	-2.685	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	-2.685	-2.685	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
64	M77	Z	0	0	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	0	0	0	%100
67	OVP1	X	-3.134	-3.134	0	%100
68	OVP1	Z	0	0	0	%100
69	OVP2	X	-3.134	-3.134	0	%100
70	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-1.285	-1.285	0	%100
2	M7	Z	-.742	-.742	0	%100
3	FACE	X	-1.285	-1.285	0	%100
4	FACE	Z	-.742	-.742	0	%100
5	M10	X	-3.171	-3.171	0	%100
6	M10	Z	-1.831	-1.831	0	%100
7	M14	X	-2.593	-2.593	0	%100
8	M14	Z	-1.497	-1.497	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	-5.14	-5.14	0	%100
12	M8	Z	-2.968	-2.968	0	%100
13	M9	X	-5.14	-5.14	0	%100
14	M9	Z	-2.968	-2.968	0	%100
15	M10A	X	-3.171	-3.171	0	%100
16	M10A	Z	-1.831	-1.831	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	-1.283	-1.283	0	%100
20	M15A	Z	-.741	-.741	0	%100
21	M16A	X	-1.284	-1.284	0	%100
22	M16A	Z	-.741	-.741	0	%100
23	M18	X	-2.593	-2.593	0	%100
24	M18	Z	-1.497	-1.497	0	%100
25	M23	X	-4.813	-4.813	0	%100
26	M23	Z	-2.779	-2.779	0	%100
27	M24	X	-4.815	-4.815	0	%100
28	M24	Z	-2.78	-2.78	0	%100
29	M25	X	-.447	-.447	0	%100
30	M25	Z	-.258	-.258	0	%100
31	MP1A	X	-3.387	-3.387	0	%100
32	MP1A	Z	-1.956	-1.956	0	%100
33	MP2A	X	-3.387	-3.387	0	%100
34	MP2A	Z	-1.956	-1.956	0	%100
35	MP3A	X	-3.387	-3.387	0	%100
36	MP3A	Z	-1.956	-1.956	0	%100
37	MP4A	X	-3.387	-3.387	0	%100
38	MP4A	Z	-1.956	-1.956	0	%100
39	MP1C	X	-3.387	-3.387	0	%100
40	MP1C	Z	-1.956	-1.956	0	%100
41	MP2C	X	-3.387	-3.387	0	%100
42	MP2C	Z	-1.956	-1.956	0	%100
43	MP3C	X	-3.387	-3.387	0	%100
44	MP3C	Z	-1.956	-1.956	0	%100
45	MP4C	X	-3.387	-3.387	0	%100
46	MP4C	Z	-1.956	-1.956	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
47	MP1B	X	-3.387	-3.387	0	%100
48	MP1B	Z	-1.956	-1.956	0	%100
49	MP2B	X	-3.387	-3.387	0	%100
50	MP2B	Z	-1.956	-1.956	0	%100
51	MP3B	X	-3.387	-3.387	0	%100
52	MP3B	Z	-1.956	-1.956	0	%100
53	MP4B	X	-3.387	-3.387	0	%100
54	MP4B	Z	-1.956	-1.956	0	%100
55	M49	X	-.883	-.883	0	%100
56	M49	Z	-.51	-.51	0	%100
57	M54	X	-.883	-.883	0	%100
58	M54	Z	-.51	-.51	0	%100
59	M59	X	-3.533	-3.533	0	%100
60	M59	Z	-2.04	-2.04	0	%100
61	M70	X	-.775	-.775	0	%100
62	M70	Z	-.447	-.447	0	%100
63	M77	X	-3.101	-3.101	0	%100
64	M77	Z	-1.79	-1.79	0	%100
65	M84	X	-.775	-.775	0	%100
66	M84	Z	-.448	-.448	0	%100
67	OVP1	X	-2.714	-2.714	0	%100
68	OVP1	Z	-1.567	-1.567	0	%100
69	OVP2	X	-2.714	-2.714	0	%100
70	OVP2	Z	-1.567	-1.567	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-2.226	-2.226	0	%100
2	M7	Z	-3.855	-3.855	0	%100
3	FACE	X	-2.226	-2.226	0	%100
4	FACE	Z	-3.855	-3.855	0	%100
5	M10	X	-2.441	-2.441	0	%100
6	M10	Z	-4.228	-4.228	0	%100
7	M14	X	-.499	-.499	0	%100
8	M14	Z	-.864	-.864	0	%100
9	M47	X	-.61	-.61	0	%100
10	M47	Z	-1.057	-1.057	0	%100
11	M8	X	-2.226	-2.226	0	%100
12	M8	Z	-3.855	-3.855	0	%100
13	M9	X	-2.226	-2.226	0	%100
14	M9	Z	-3.855	-3.855	0	%100
15	M10A	X	-.61	-.61	0	%100
16	M10A	Z	-1.057	-1.057	0	%100
17	M11	X	-.499	-.499	0	%100
18	M11	Z	-.864	-.864	0	%100
19	M15A	X	-1e-6	-1e-6	0	%100
20	M15A	Z	-1e-6	-1e-6	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	-1.996	-1.996	0	%100
24	M18	Z	-3.457	-3.457	0	%100
25	M23	X	-1.098	-1.098	0	%100
26	M23	Z	-1.901	-1.901	0	%100
27	M24	X	-3.622	-3.622	0	%100
28	M24	Z	-6.273	-6.273	0	%100
29	M25	X	-1.099	-1.099	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
30	M25	Z	-1.904	-1.904	0	%100
31	MP1A	X	-1.956	-1.956	0	%100
32	MP1A	Z	-3.387	-3.387	0	%100
33	MP2A	X	-1.956	-1.956	0	%100
34	MP2A	Z	-3.387	-3.387	0	%100
35	MP3A	X	-1.956	-1.956	0	%100
36	MP3A	Z	-3.387	-3.387	0	%100
37	MP4A	X	-1.956	-1.956	0	%100
38	MP4A	Z	-3.387	-3.387	0	%100
39	MP1C	X	-1.956	-1.956	0	%100
40	MP1C	Z	-3.387	-3.387	0	%100
41	MP2C	X	-1.956	-1.956	0	%100
42	MP2C	Z	-3.387	-3.387	0	%100
43	MP3C	X	-1.956	-1.956	0	%100
44	MP3C	Z	-3.387	-3.387	0	%100
45	MP4C	X	-1.956	-1.956	0	%100
46	MP4C	Z	-3.387	-3.387	0	%100
47	MP1B	X	-1.956	-1.956	0	%100
48	MP1B	Z	-3.387	-3.387	0	%100
49	MP2B	X	-1.956	-1.956	0	%100
50	MP2B	Z	-3.387	-3.387	0	%100
51	MP3B	X	-1.956	-1.956	0	%100
52	MP3B	Z	-3.387	-3.387	0	%100
53	MP4B	X	-1.956	-1.956	0	%100
54	MP4B	Z	-3.387	-3.387	0	%100
55	M49	X	-1.53	-1.53	0	%100
56	M49	Z	-2.649	-2.649	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	-1.53	-1.53	0	%100
60	M59	Z	-2.649	-2.649	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	-1.343	-1.343	0	%100
64	M77	Z	-2.325	-2.325	0	%100
65	M84	X	-1.343	-1.343	0	%100
66	M84	Z	-2.325	-2.325	0	%100
67	OVP1	X	-1.567	-1.567	0	%100
68	OVP1	Z	-2.714	-2.714	0	%100
69	OVP2	X	-1.567	-1.567	0	%100
70	OVP2	Z	-2.714	-2.714	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	-1.273	-1.273	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	-1.273	-1.273	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.805	-.805	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	-.805	-.805	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	-.318	-.318	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
13	M9	X	0	0	0	%100
14	M9	Z	-.318	-.318	0	%100
15	M10A	X	0	0	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-.6	-.6	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	-.319	-.319	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	-.318	-.318	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.6	-.6	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-.127	-.127	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.368	-1.368	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.368	-1.368	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-.605	-.605	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-.605	-.605	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-.605	-.605	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.605	-.605	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	-.605	-.605	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-.605	-.605	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-.605	-.605	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	-.605	-.605	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	-.605	-.605	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-.605	-.605	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-.605	-.605	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-.605	-.605	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	-.605	-.605	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-.151	-.151	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	-.151	-.151	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-.186	-.186	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	-.186	-.186	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	-.742	-.742	0	%100
67	OVP1	X	0	0	0	%100
68	OVP1	Z	-.494	-.494	0	%100
69	OVP2	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
70	OVP2	Z	-.494	-.494	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	.477	.477	0	%100
2	M7	Z	-.827	-.827	0	%100
3	FACE	X	.477	.477	0	%100
4	FACE	Z	-.827	-.827	0	%100
5	M10	X	.134	.134	0	%100
6	M10	Z	-.232	-.232	0	%100
7	M14	X	.1	.1	0	%100
8	M14	Z	-.173	-.173	0	%100
9	M47	X	.537	.537	0	%100
10	M47	Z	-.93	-.93	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	.134	.134	0	%100
16	M10A	Z	-.232	-.232	0	%100
17	M11	X	.4	.4	0	%100
18	M11	Z	-.693	-.693	0	%100
19	M15A	X	.478	.478	0	%100
20	M15A	Z	-.827	-.827	0	%100
21	M16A	X	.477	.477	0	%100
22	M16A	Z	-.827	-.827	0	%100
23	M18	X	.1	.1	0	%100
24	M18	Z	-.173	-.173	0	%100
25	M23	X	.27	.27	0	%100
26	M23	Z	-.468	-.468	0	%100
27	M24	X	.27	.27	0	%100
28	M24	Z	-.468	-.468	0	%100
29	M25	X	.89	.89	0	%100
30	M25	Z	-1.542	-1.542	0	%100
31	MP1A	X	.302	.302	0	%100
32	MP1A	Z	-.524	-.524	0	%100
33	MP2A	X	.302	.302	0	%100
34	MP2A	Z	-.524	-.524	0	%100
35	MP3A	X	.302	.302	0	%100
36	MP3A	Z	-.524	-.524	0	%100
37	MP4A	X	.302	.302	0	%100
38	MP4A	Z	-.524	-.524	0	%100
39	MP1C	X	.302	.302	0	%100
40	MP1C	Z	-.524	-.524	0	%100
41	MP2C	X	.302	.302	0	%100
42	MP2C	Z	-.524	-.524	0	%100
43	MP3C	X	.302	.302	0	%100
44	MP3C	Z	-.524	-.524	0	%100
45	MP4C	X	.302	.302	0	%100
46	MP4C	Z	-.524	-.524	0	%100
47	MP1B	X	.302	.302	0	%100
48	MP1B	Z	-.524	-.524	0	%100
49	MP2B	X	.302	.302	0	%100
50	MP2B	Z	-.524	-.524	0	%100
51	MP3B	X	.302	.302	0	%100
52	MP3B	Z	-.524	-.524	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
53	MP4B	X	.302	.302	0	%100
54	MP4B	Z	-.524	-.524	0	%100
55	M49	X	.227	.227	0	%100
56	M49	Z	-.393	-.393	0	%100
57	M54	X	.227	.227	0	%100
58	M54	Z	-.393	-.393	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	.278	.278	0	%100
62	M70	Z	-.482	-.482	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	.278	.278	0	%100
66	M84	Z	-.482	-.482	0	%100
67	OVP1	X	.247	.247	0	%100
68	OVP1	Z	-.428	-.428	0	%100
69	OVP2	X	.247	.247	0	%100
70	OVP2	Z	-.428	-.428	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	.276	.276	0	%100
2	M7	Z	-.159	-.159	0	%100
3	FACE	X	.276	.276	0	%100
4	FACE	Z	-.159	-.159	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	.52	.52	0	%100
8	M14	Z	-.3	-.3	0	%100
9	M47	X	.697	.697	0	%100
10	M47	Z	-.402	-.402	0	%100
11	M8	X	.276	.276	0	%100
12	M8	Z	-.159	-.159	0	%100
13	M9	X	.276	.276	0	%100
14	M9	Z	-.159	-.159	0	%100
15	M10A	X	.697	.697	0	%100
16	M10A	Z	-.402	-.402	0	%100
17	M11	X	.52	.52	0	%100
18	M11	Z	-.3	-.3	0	%100
19	M15A	X	1.102	1.102	0	%100
20	M15A	Z	-.636	-.636	0	%100
21	M16A	X	1.102	1.102	0	%100
22	M16A	Z	-.636	-.636	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	1.184	1.184	0	%100
26	M23	Z	-.684	-.684	0	%100
27	M24	X	.11	.11	0	%100
28	M24	Z	-.063	-.063	0	%100
29	M25	X	1.184	1.184	0	%100
30	M25	Z	-.683	-.683	0	%100
31	MP1A	X	.524	.524	0	%100
32	MP1A	Z	-.302	-.302	0	%100
33	MP2A	X	.524	.524	0	%100
34	MP2A	Z	-.302	-.302	0	%100
35	MP3A	X	.524	.524	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
36	MP3A	Z	-.302	-.302	0	%100
37	MP4A	X	.524	.524	0	%100
38	MP4A	Z	-.302	-.302	0	%100
39	MP1C	X	.524	.524	0	%100
40	MP1C	Z	-.302	-.302	0	%100
41	MP2C	X	.524	.524	0	%100
42	MP2C	Z	-.302	-.302	0	%100
43	MP3C	X	.524	.524	0	%100
44	MP3C	Z	-.302	-.302	0	%100
45	MP4C	X	.524	.524	0	%100
46	MP4C	Z	-.302	-.302	0	%100
47	MP1B	X	.524	.524	0	%100
48	MP1B	Z	-.302	-.302	0	%100
49	MP2B	X	.524	.524	0	%100
50	MP2B	Z	-.302	-.302	0	%100
51	MP3B	X	.524	.524	0	%100
52	MP3B	Z	-.302	-.302	0	%100
53	MP4B	X	.524	.524	0	%100
54	MP4B	Z	-.302	-.302	0	%100
55	M49	X	.131	.131	0	%100
56	M49	Z	-.076	-.076	0	%100
57	M54	X	.524	.524	0	%100
58	M54	Z	-.302	-.302	0	%100
59	M59	X	.131	.131	0	%100
60	M59	Z	-.076	-.076	0	%100
61	M70	X	.643	.643	0	%100
62	M70	Z	-.371	-.371	0	%100
63	M77	X	.161	.161	0	%100
64	M77	Z	-.093	-.093	0	%100
65	M84	X	.161	.161	0	%100
66	M84	Z	-.093	-.093	0	%100
67	OVP1	X	.428	.428	0	%100
68	OVP1	Z	-.247	-.247	0	%100
69	OVP2	X	.428	.428	0	%100
70	OVP2	Z	-.247	-.247	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	0	0	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	0	0	0	%100
5	M10	X	.268	.268	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	.8	.8	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	.268	.268	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	.955	.955	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.955	.955	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	1.073	1.073	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	.2	.2	0	%100
18	M11	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
19	M15A	X	.954	.954	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	.954	.954	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	.2	.2	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	1.781	1.781	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	.54	.54	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.54	.54	0	%100
30	M25	Z	0	0	0	%100
31	MP1A	X	.605	.605	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	.605	.605	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	.605	.605	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	.605	.605	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	.605	.605	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	.605	.605	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	.605	.605	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	.605	.605	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	.605	.605	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	.605	.605	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	.605	.605	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	.605	.605	0	%100
54	MP4B	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M54	X	.453	.453	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	.453	.453	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	.557	.557	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	.557	.557	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	0	0	0	%100
67	OVP1	X	.494	.494	0	%100
68	OVP1	Z	0	0	0	%100
69	OVP2	X	.494	.494	0	%100
70	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	.276	.276	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
2	M7	Z	.159	.159	0	%100
3	FACE	X	.276	.276	0	%100
4	FACE	Z	.159	.159	0	%100
5	M10	X	.697	.697	0	%100
6	M10	Z	.402	.402	0	%100
7	M14	X	.52	.52	0	%100
8	M14	Z	.3	.3	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	1.102	1.102	0	%100
12	M8	Z	.636	.636	0	%100
13	M9	X	1.102	1.102	0	%100
14	M9	Z	.636	.636	0	%100
15	M10A	X	.697	.697	0	%100
16	M10A	Z	.402	.402	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	.275	.275	0	%100
20	M15A	Z	.159	.159	0	%100
21	M16A	X	.275	.275	0	%100
22	M16A	Z	.159	.159	0	%100
23	M18	X	.52	.52	0	%100
24	M18	Z	.3	.3	0	%100
25	M23	X	1.184	1.184	0	%100
26	M23	Z	.683	.683	0	%100
27	M24	X	1.184	1.184	0	%100
28	M24	Z	.684	.684	0	%100
29	M25	X	.11	.11	0	%100
30	M25	Z	.063	.063	0	%100
31	MP1A	X	.524	.524	0	%100
32	MP1A	Z	.302	.302	0	%100
33	MP2A	X	.524	.524	0	%100
34	MP2A	Z	.302	.302	0	%100
35	MP3A	X	.524	.524	0	%100
36	MP3A	Z	.302	.302	0	%100
37	MP4A	X	.524	.524	0	%100
38	MP4A	Z	.302	.302	0	%100
39	MP1C	X	.524	.524	0	%100
40	MP1C	Z	.302	.302	0	%100
41	MP2C	X	.524	.524	0	%100
42	MP2C	Z	.302	.302	0	%100
43	MP3C	X	.524	.524	0	%100
44	MP3C	Z	.302	.302	0	%100
45	MP4C	X	.524	.524	0	%100
46	MP4C	Z	.302	.302	0	%100
47	MP1B	X	.524	.524	0	%100
48	MP1B	Z	.302	.302	0	%100
49	MP2B	X	.524	.524	0	%100
50	MP2B	Z	.302	.302	0	%100
51	MP3B	X	.524	.524	0	%100
52	MP3B	Z	.302	.302	0	%100
53	MP4B	X	.524	.524	0	%100
54	MP4B	Z	.302	.302	0	%100
55	M49	X	.131	.131	0	%100
56	M49	Z	.076	.076	0	%100
57	M54	X	.131	.131	0	%100
58	M54	Z	.076	.076	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
59	M59	X	.524	.524	0	%100
60	M59	Z	.302	.302	0	%100
61	M70	X	.161	.161	0	%100
62	M70	Z	.093	.093	0	%100
63	M77	X	.643	.643	0	%100
64	M77	Z	.371	.371	0	%100
65	M84	X	.161	.161	0	%100
66	M84	Z	.093	.093	0	%100
67	OVP1	X	.428	.428	0	%100
68	OVP1	Z	.247	.247	0	%100
69	OVP2	X	.428	.428	0	%100
70	OVP2	Z	.247	.247	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	.477	.477	0	%100
2	M7	Z	.827	.827	0	%100
3	FACE	X	.477	.477	0	%100
4	FACE	Z	.827	.827	0	%100
5	M10	X	.537	.537	0	%100
6	M10	Z	.93	.93	0	%100
7	M14	X	.1	.1	0	%100
8	M14	Z	.173	.173	0	%100
9	M47	X	.134	.134	0	%100
10	M47	Z	.232	.232	0	%100
11	M8	X	.477	.477	0	%100
12	M8	Z	.827	.827	0	%100
13	M9	X	.477	.477	0	%100
14	M9	Z	.827	.827	0	%100
15	M10A	X	.134	.134	0	%100
16	M10A	Z	.232	.232	0	%100
17	M11	X	.1	.1	0	%100
18	M11	Z	.173	.173	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	.4	.4	0	%100
24	M18	Z	.693	.693	0	%100
25	M23	X	.27	.27	0	%100
26	M23	Z	.468	.468	0	%100
27	M24	X	.891	.891	0	%100
28	M24	Z	1.543	1.543	0	%100
29	M25	X	.27	.27	0	%100
30	M25	Z	.468	.468	0	%100
31	MP1A	X	.302	.302	0	%100
32	MP1A	Z	.524	.524	0	%100
33	MP2A	X	.302	.302	0	%100
34	MP2A	Z	.524	.524	0	%100
35	MP3A	X	.302	.302	0	%100
36	MP3A	Z	.524	.524	0	%100
37	MP4A	X	.302	.302	0	%100
38	MP4A	Z	.524	.524	0	%100
39	MP1C	X	.302	.302	0	%100
40	MP1C	Z	.524	.524	0	%100
41	MP2C	X	.302	.302	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
42	MP2C	Z	.524	.524	0	%100
43	MP3C	X	.302	.302	0	%100
44	MP3C	Z	.524	.524	0	%100
45	MP4C	X	.302	.302	0	%100
46	MP4C	Z	.524	.524	0	%100
47	MP1B	X	.302	.302	0	%100
48	MP1B	Z	.524	.524	0	%100
49	MP2B	X	.302	.302	0	%100
50	MP2B	Z	.524	.524	0	%100
51	MP3B	X	.302	.302	0	%100
52	MP3B	Z	.524	.524	0	%100
53	MP4B	X	.302	.302	0	%100
54	MP4B	Z	.524	.524	0	%100
55	M49	X	.227	.227	0	%100
56	M49	Z	.393	.393	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	.227	.227	0	%100
60	M59	Z	.393	.393	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	.278	.278	0	%100
64	M77	Z	.482	.482	0	%100
65	M84	X	.278	.278	0	%100
66	M84	Z	.482	.482	0	%100
67	OVP1	X	.247	.247	0	%100
68	OVP1	Z	.428	.428	0	%100
69	OVP2	X	.247	.247	0	%100
70	OVP2	Z	.428	.428	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	1.273	1.273	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	1.273	1.273	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.805	.805	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	.805	.805	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	.318	.318	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.318	.318	0	%100
15	M10A	X	0	0	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	.6	.6	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	.319	.319	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	.318	.318	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.6	.6	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
25	M23	X	0	0	0	%100
26	M23	Z	.127	.127	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.368	1.368	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.368	1.368	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	.605	.605	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	.605	.605	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.605	.605	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.605	.605	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	.605	.605	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	.605	.605	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	.605	.605	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	.605	.605	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	.605	.605	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	.605	.605	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	.605	.605	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	.605	.605	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	.605	.605	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	.151	.151	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	.151	.151	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	.186	.186	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	.186	.186	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	.742	.742	0	%100
67	OVP1	X	0	0	0	%100
68	OVP1	Z	.494	.494	0	%100
69	OVP2	X	0	0	0	%100
70	OVP2	Z	.494	.494	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-.477	-.477	0	%100
2	M7	Z	.827	.827	0	%100
3	FACE	X	-.477	-.477	0	%100
4	FACE	Z	.827	.827	0	%100
5	M10	X	-.134	-.134	0	%100
6	M10	Z	.232	.232	0	%100
7	M14	X	-.1	-.1	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
8	M14	Z	.173	.173	0	%100
9	M47	X	-.537	-.537	0	%100
10	M47	Z	.93	.93	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	-.134	-.134	0	%100
16	M10A	Z	.232	.232	0	%100
17	M11	X	-.4	-.4	0	%100
18	M11	Z	.693	.693	0	%100
19	M15A	X	-.478	-.478	0	%100
20	M15A	Z	.827	.827	0	%100
21	M16A	X	-.477	-.477	0	%100
22	M16A	Z	.827	.827	0	%100
23	M18	X	-.1	-.1	0	%100
24	M18	Z	.173	.173	0	%100
25	M23	X	-.27	-.27	0	%100
26	M23	Z	.468	.468	0	%100
27	M24	X	-.27	-.27	0	%100
28	M24	Z	.468	.468	0	%100
29	M25	X	-.89	-.89	0	%100
30	M25	Z	1.542	1.542	0	%100
31	MP1A	X	-.302	-.302	0	%100
32	MP1A	Z	.524	.524	0	%100
33	MP2A	X	-.302	-.302	0	%100
34	MP2A	Z	.524	.524	0	%100
35	MP3A	X	-.302	-.302	0	%100
36	MP3A	Z	.524	.524	0	%100
37	MP4A	X	-.302	-.302	0	%100
38	MP4A	Z	.524	.524	0	%100
39	MP1C	X	-.302	-.302	0	%100
40	MP1C	Z	.524	.524	0	%100
41	MP2C	X	-.302	-.302	0	%100
42	MP2C	Z	.524	.524	0	%100
43	MP3C	X	-.302	-.302	0	%100
44	MP3C	Z	.524	.524	0	%100
45	MP4C	X	-.302	-.302	0	%100
46	MP4C	Z	.524	.524	0	%100
47	MP1B	X	-.302	-.302	0	%100
48	MP1B	Z	.524	.524	0	%100
49	MP2B	X	-.302	-.302	0	%100
50	MP2B	Z	.524	.524	0	%100
51	MP3B	X	-.302	-.302	0	%100
52	MP3B	Z	.524	.524	0	%100
53	MP4B	X	-.302	-.302	0	%100
54	MP4B	Z	.524	.524	0	%100
55	M49	X	-.227	-.227	0	%100
56	M49	Z	.393	.393	0	%100
57	M54	X	-.227	-.227	0	%100
58	M54	Z	.393	.393	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	-.278	-.278	0	%100
62	M70	Z	.482	.482	0	%100
63	M77	X	0	0	0	%100
64	M77	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
65	M84	X	-.278	-.278	0	%100
66	M84	Z	.482	.482	0	%100
67	OVP1	X	-.247	-.247	0	%100
68	OVP1	Z	.428	.428	0	%100
69	OVP2	X	-.247	-.247	0	%100
70	OVP2	Z	.428	.428	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-.276	-.276	0	%100
2	M7	Z	.159	.159	0	%100
3	FACE	X	-.276	-.276	0	%100
4	FACE	Z	.159	.159	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	-.52	-.52	0	%100
8	M14	Z	.3	.3	0	%100
9	M47	X	-.697	-.697	0	%100
10	M47	Z	.402	.402	0	%100
11	M8	X	-.276	-.276	0	%100
12	M8	Z	.159	.159	0	%100
13	M9	X	-.276	-.276	0	%100
14	M9	Z	.159	.159	0	%100
15	M10A	X	-.697	-.697	0	%100
16	M10A	Z	.402	.402	0	%100
17	M11	X	-.52	-.52	0	%100
18	M11	Z	.3	.3	0	%100
19	M15A	X	-1.102	-1.102	0	%100
20	M15A	Z	.636	.636	0	%100
21	M16A	X	-1.102	-1.102	0	%100
22	M16A	Z	.636	.636	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	-1.184	-1.184	0	%100
26	M23	Z	.684	.684	0	%100
27	M24	X	-.11	-.11	0	%100
28	M24	Z	.063	.063	0	%100
29	M25	X	-1.184	-1.184	0	%100
30	M25	Z	.683	.683	0	%100
31	MP1A	X	-.524	-.524	0	%100
32	MP1A	Z	.302	.302	0	%100
33	MP2A	X	-.524	-.524	0	%100
34	MP2A	Z	.302	.302	0	%100
35	MP3A	X	-.524	-.524	0	%100
36	MP3A	Z	.302	.302	0	%100
37	MP4A	X	-.524	-.524	0	%100
38	MP4A	Z	.302	.302	0	%100
39	MP1C	X	-.524	-.524	0	%100
40	MP1C	Z	.302	.302	0	%100
41	MP2C	X	-.524	-.524	0	%100
42	MP2C	Z	.302	.302	0	%100
43	MP3C	X	-.524	-.524	0	%100
44	MP3C	Z	.302	.302	0	%100
45	MP4C	X	-.524	-.524	0	%100
46	MP4C	Z	.302	.302	0	%100
47	MP1B	X	-.524	-.524	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
48	MP1B	Z	.302	.302	0	%100
49	MP2B	X	-.524	-.524	0	%100
50	MP2B	Z	.302	.302	0	%100
51	MP3B	X	-.524	-.524	0	%100
52	MP3B	Z	.302	.302	0	%100
53	MP4B	X	-.524	-.524	0	%100
54	MP4B	Z	.302	.302	0	%100
55	M49	X	-.131	-.131	0	%100
56	M49	Z	.076	.076	0	%100
57	M54	X	-.524	-.524	0	%100
58	M54	Z	.302	.302	0	%100
59	M59	X	-.131	-.131	0	%100
60	M59	Z	.076	.076	0	%100
61	M70	X	-.643	-.643	0	%100
62	M70	Z	.371	.371	0	%100
63	M77	X	-.161	-.161	0	%100
64	M77	Z	.093	.093	0	%100
65	M84	X	-.161	-.161	0	%100
66	M84	Z	.093	.093	0	%100
67	OVP1	X	-.428	-.428	0	%100
68	OVP1	Z	.247	.247	0	%100
69	OVP2	X	-.428	-.428	0	%100
70	OVP2	Z	.247	.247	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	0	0	0	%100
2	M7	Z	0	0	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	0	0	0	%100
5	M10	X	-.268	-.268	0	%100
6	M10	Z	0	0	0	%100
7	M14	X	-.8	-.8	0	%100
8	M14	Z	0	0	0	%100
9	M47	X	-.268	-.268	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	-.955	-.955	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-.955	-.955	0	%100
14	M9	Z	0	0	0	%100
15	M10A	X	-1.073	-1.073	0	%100
16	M10A	Z	0	0	0	%100
17	M11	X	-.2	-.2	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	-.954	-.954	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	-.954	-.954	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	-.2	-.2	0	%100
24	M18	Z	0	0	0	%100
25	M23	X	-1.781	-1.781	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	-.54	-.54	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.54	-.54	0	%100
30	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
31	MP1A	X	-.605	-.605	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	-.605	-.605	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-.605	-.605	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-.605	-.605	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	-.605	-.605	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	-.605	-.605	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	-.605	-.605	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	-.605	-.605	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	-.605	-.605	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	-.605	-.605	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	-.605	-.605	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	-.605	-.605	0	%100
54	MP4B	Z	0	0	0	%100
55	M49	X	0	0	0	%100
56	M49	Z	0	0	0	%100
57	M54	X	-.453	-.453	0	%100
58	M54	Z	0	0	0	%100
59	M59	X	-.453	-.453	0	%100
60	M59	Z	0	0	0	%100
61	M70	X	-.557	-.557	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	-.557	-.557	0	%100
64	M77	Z	0	0	0	%100
65	M84	X	0	0	0	%100
66	M84	Z	0	0	0	%100
67	OVP1	X	-.494	-.494	0	%100
68	OVP1	Z	0	0	0	%100
69	OVP2	X	-.494	-.494	0	%100
70	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-.276	-.276	0	%100
2	M7	Z	-.159	-.159	0	%100
3	FACE	X	-.276	-.276	0	%100
4	FACE	Z	-.159	-.159	0	%100
5	M10	X	-.697	-.697	0	%100
6	M10	Z	-.402	-.402	0	%100
7	M14	X	-.52	-.52	0	%100
8	M14	Z	-.3	-.3	0	%100
9	M47	X	0	0	0	%100
10	M47	Z	0	0	0	%100
11	M8	X	-1.102	-1.102	0	%100
12	M8	Z	-.636	-.636	0	%100
13	M9	X	-1.102	-1.102	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
14	M9	Z	-.636	-.636	0	%100
15	M10A	X	-.697	-.697	0	%100
16	M10A	Z	-.402	-.402	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M15A	X	-.275	-.275	0	%100
20	M15A	Z	-.159	-.159	0	%100
21	M16A	X	-.275	-.275	0	%100
22	M16A	Z	-.159	-.159	0	%100
23	M18	X	-.52	-.52	0	%100
24	M18	Z	-.3	-.3	0	%100
25	M23	X	-1.184	-1.184	0	%100
26	M23	Z	-.683	-.683	0	%100
27	M24	X	-1.184	-1.184	0	%100
28	M24	Z	-.684	-.684	0	%100
29	M25	X	-.11	-.11	0	%100
30	M25	Z	-.063	-.063	0	%100
31	MP1A	X	-.524	-.524	0	%100
32	MP1A	Z	-.302	-.302	0	%100
33	MP2A	X	-.524	-.524	0	%100
34	MP2A	Z	-.302	-.302	0	%100
35	MP3A	X	-.524	-.524	0	%100
36	MP3A	Z	-.302	-.302	0	%100
37	MP4A	X	-.524	-.524	0	%100
38	MP4A	Z	-.302	-.302	0	%100
39	MP1C	X	-.524	-.524	0	%100
40	MP1C	Z	-.302	-.302	0	%100
41	MP2C	X	-.524	-.524	0	%100
42	MP2C	Z	-.302	-.302	0	%100
43	MP3C	X	-.524	-.524	0	%100
44	MP3C	Z	-.302	-.302	0	%100
45	MP4C	X	-.524	-.524	0	%100
46	MP4C	Z	-.302	-.302	0	%100
47	MP1B	X	-.524	-.524	0	%100
48	MP1B	Z	-.302	-.302	0	%100
49	MP2B	X	-.524	-.524	0	%100
50	MP2B	Z	-.302	-.302	0	%100
51	MP3B	X	-.524	-.524	0	%100
52	MP3B	Z	-.302	-.302	0	%100
53	MP4B	X	-.524	-.524	0	%100
54	MP4B	Z	-.302	-.302	0	%100
55	M49	X	-.131	-.131	0	%100
56	M49	Z	-.076	-.076	0	%100
57	M54	X	-.131	-.131	0	%100
58	M54	Z	-.076	-.076	0	%100
59	M59	X	-.524	-.524	0	%100
60	M59	Z	-.302	-.302	0	%100
61	M70	X	-.161	-.161	0	%100
62	M70	Z	-.093	-.093	0	%100
63	M77	X	-.643	-.643	0	%100
64	M77	Z	-.371	-.371	0	%100
65	M84	X	-.161	-.161	0	%100
66	M84	Z	-.093	-.093	0	%100
67	OVP1	X	-.428	-.428	0	%100
68	OVP1	Z	-.247	-.247	0	%100
69	OVP2	X	-.428	-.428	0	%100
70	OVP2	Z	-.247	-.247	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	X	-.477	-.477	0	%100
2	M7	Z	-.827	-.827	0	%100
3	FACE	X	-.477	-.477	0	%100
4	FACE	Z	-.827	-.827	0	%100
5	M10	X	-.537	-.537	0	%100
6	M10	Z	-.93	-.93	0	%100
7	M14	X	-.1	-.1	0	%100
8	M14	Z	-.173	-.173	0	%100
9	M47	X	-.134	-.134	0	%100
10	M47	Z	-.232	-.232	0	%100
11	M8	X	-.477	-.477	0	%100
12	M8	Z	-.827	-.827	0	%100
13	M9	X	-.477	-.477	0	%100
14	M9	Z	-.827	-.827	0	%100
15	M10A	X	-.134	-.134	0	%100
16	M10A	Z	-.232	-.232	0	%100
17	M11	X	-.1	-.1	0	%100
18	M11	Z	-.173	-.173	0	%100
19	M15A	X	0	0	0	%100
20	M15A	Z	0	0	0	%100
21	M16A	X	0	0	0	%100
22	M16A	Z	0	0	0	%100
23	M18	X	-.4	-.4	0	%100
24	M18	Z	-.693	-.693	0	%100
25	M23	X	-.27	-.27	0	%100
26	M23	Z	-.468	-.468	0	%100
27	M24	X	-.891	-.891	0	%100
28	M24	Z	-1.543	-1.543	0	%100
29	M25	X	-.27	-.27	0	%100
30	M25	Z	-.468	-.468	0	%100
31	MP1A	X	-.302	-.302	0	%100
32	MP1A	Z	-.524	-.524	0	%100
33	MP2A	X	-.302	-.302	0	%100
34	MP2A	Z	-.524	-.524	0	%100
35	MP3A	X	-.302	-.302	0	%100
36	MP3A	Z	-.524	-.524	0	%100
37	MP4A	X	-.302	-.302	0	%100
38	MP4A	Z	-.524	-.524	0	%100
39	MP1C	X	-.302	-.302	0	%100
40	MP1C	Z	-.524	-.524	0	%100
41	MP2C	X	-.302	-.302	0	%100
42	MP2C	Z	-.524	-.524	0	%100
43	MP3C	X	-.302	-.302	0	%100
44	MP3C	Z	-.524	-.524	0	%100
45	MP4C	X	-.302	-.302	0	%100
46	MP4C	Z	-.524	-.524	0	%100
47	MP1B	X	-.302	-.302	0	%100
48	MP1B	Z	-.524	-.524	0	%100
49	MP2B	X	-.302	-.302	0	%100
50	MP2B	Z	-.524	-.524	0	%100
51	MP3B	X	-.302	-.302	0	%100
52	MP3B	Z	-.524	-.524	0	%100
53	MP4B	X	-.302	-.302	0	%100
54	MP4B	Z	-.524	-.524	0	%100
55	M49	X	-.227	-.227	0	%100
56	M49	Z	-.393	-.393	0	%100
57	M54	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
58	M54	Z	0	0	0	%100
59	M59	X	-.227	-.227	0	%100
60	M59	Z	-.393	-.393	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	0	0	0	%100
63	M77	X	-.278	-.278	0	%100
64	M77	Z	-.482	-.482	0	%100
65	M84	X	-.278	-.278	0	%100
66	M84	Z	-.482	-.482	0	%100
67	OVP1	X	-.247	-.247	0	%100
68	OVP1	Z	-.428	-.428	0	%100
69	OVP2	X	-.247	-.247	0	%100
70	OVP2	Z	-.428	-.428	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	Y	-5.593	-4.614	0	17.809
2	M7	Y	-4.614	-4.306	17.809	35.617
3	M7	Y	-4.306	-3.779	35.617	53.426
4	M7	Y	-3.779	-4.842	53.426	71.234
5	M7	Y	-4.842	-8.39	71.234	89.043
6	FACE	Y	-1.301	-2.783	0	24.292
7	FACE	Y	-2.783	-4.77	24.292	48.584
8	FACE	Y	-4.77	-5.257	48.584	72.876
9	FACE	Y	-5.257	-4.775	72.876	97.167
10	FACE	Y	-4.775	-5.258	97.167	121.459
11	FACE	Y	-5.258	-3.146	121.459	145.751
12	FACE	Y	-3.146	-.105	145.751	170.043
13	M10	Y	-1.196	-2.026	0	9.353
14	M10	Y	-2.026	-2.595	9.353	18.706
15	M10	Y	-2.595	-1.966	18.706	28.059
16	M10	Y	-1.966	-.613	28.059	37.412
17	M10	Y	-.613	-.042	37.412	46.765
18	M47	Y	-8.937	-4.966	0	23.383
19	M47	Y	-4.966	-.994	23.383	46.765
20	M72	Y	-34.307	-2.494	0	2.043
21	M10	Y	-4.504	-2.495	0	23.383
22	M10	Y	-2.495	-.486	23.383	46.765
23	M8	Y	-5.911	-4.94	0	17.8
24	M8	Y	-4.94	-4.64	17.8	35.6
25	M8	Y	-4.64	-5.813	35.6	53.4
26	M8	Y	-5.813	-5.195	53.4	71.2
27	M8	Y	-5.195	-1.983	71.2	89
28	M9	Y	-1.372	-2.801	0	24.286
29	M9	Y	-2.801	-4.761	24.286	48.571
30	M9	Y	-4.761	-5.252	48.571	72.857
31	M9	Y	-5.252	-4.779	72.857	97.143
32	M9	Y	-4.779	-5.264	97.143	121.429
33	M9	Y	-5.264	-3.147	121.429	145.714
34	M9	Y	-3.147	-.103	145.714	170
35	M10A	Y	-1.187	-2.01	0	9.353
36	M10A	Y	-2.01	-2.541	9.353	18.706
37	M10A	Y	-2.541	-1.918	18.706	28.059
38	M10A	Y	-1.918	-.608	28.059	37.412
39	M10A	Y	-.608	-.041	37.412	46.765
40	M70A	Y	-35.387	-2.01	0	2

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
41	M10A	Y	-4.439	-2.473	0	23.383
42	M10A	Y	-2.473	-.508	23.383	46.765
43	M15A	Y	-5.14	-5.14	.157	88.858
44	M16A	Y	-.103	-3.067	0	24.289
45	M16A	Y	-3.067	-5.014	24.289	48.578
46	M16A	Y	-5.014	-4.734	48.578	72.866
47	M16A	Y	-4.734	-4.735	72.866	97.155
48	M16A	Y	-4.735	-5.018	97.155	121.444
49	M16A	Y	-5.018	-3.069	121.444	145.733
50	M16A	Y	-3.069	-.103	145.733	170.021

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	M7	Y	-13.536	-11.165	0	17.809
2	M7	Y	-11.165	-10.421	17.809	35.617
3	M7	Y	-10.421	-9.144	35.617	53.426
4	M7	Y	-9.144	-11.719	53.426	71.234
5	M7	Y	-11.719	-20.304	71.234	89.043
6	FACE	Y	-3.147	-6.734	0	24.292
7	FACE	Y	-6.734	-11.542	24.292	48.584
8	FACE	Y	-11.542	-12.721	48.584	72.876
9	FACE	Y	-12.721	-11.556	72.876	97.167
10	FACE	Y	-11.556	-12.723	97.167	121.459
11	FACE	Y	-12.723	-7.613	121.459	145.751
12	FACE	Y	-7.613	-.253	145.751	170.043
13	M10	Y	-2.894	-4.904	0	9.353
14	M10	Y	-4.904	-6.279	9.353	18.706
15	M10	Y	-6.279	-4.758	18.706	28.059
16	M10	Y	-4.758	-1.483	28.059	37.412
17	M10	Y	-1.483	-.101	37.412	46.765
18	M47	Y	-21.629	-12.017	0	23.383
19	M47	Y	-12.017	-2.406	23.383	46.765
20	M72	Y	-83.022	-6.036	0	2.043
21	M10	Y	-10.9	-6.038	0	23.383
22	M10	Y	-6.038	-1.175	23.383	46.765
23	M8	Y	-14.304	-11.954	0	17.8
24	M8	Y	-11.954	-11.228	17.8	35.6
25	M8	Y	-11.228	-14.067	35.6	53.4
26	M8	Y	-14.067	-12.572	53.4	71.2
27	M8	Y	-12.572	-4.798	71.2	89
28	M9	Y	-3.32	-6.779	0	24.286
29	M9	Y	-6.779	-11.522	24.286	48.571
30	M9	Y	-11.522	-12.711	48.571	72.857
31	M9	Y	-12.711	-11.565	72.857	97.143
32	M9	Y	-11.565	-12.738	97.143	121.429
33	M9	Y	-12.738	-7.616	121.429	145.714
34	M9	Y	-7.616	-.249	145.714	170
35	M10A	Y	-2.874	-4.865	0	9.353
36	M10A	Y	-4.865	-6.15	9.353	18.706
37	M10A	Y	-6.15	-4.641	18.706	28.059
38	M10A	Y	-4.641	-1.471	28.059	37.412
39	M10A	Y	-1.471	-.1	37.412	46.765
40	M70A	Y	-85.637	-4.865	0	2
41	M10A	Y	-10.742	-5.985	0	23.383
42	M10A	Y	-5.985	-1.228	23.383	46.765
43	M15A	Y	-12.439	-12.439	.157	88.858

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
44	M16A	Y	-.25	-7.421	0	24.289
45	M16A	Y	-7.421	-12.134	24.289	48.578
46	M16A	Y	-12.134	-11.455	48.578	72.866
47	M16A	Y	-11.455	-11.46	72.866	97.155
48	M16A	Y	-11.46	-12.144	97.155	121.444
49	M16A	Y	-12.144	-7.427	121.444	145.733
50	M16A	Y	-7.427	-.25	145.733	170.021

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N19A	N14	N6	N8	Y	Two Way	-.005
2	N14A	N13	N14	N19A	Y	Two Way	-.005
3	N8	N6	N13	N14A	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N19A	N14	N6	N8	Y	Two Way	-.013
2	N14A	N13	N14	N19A	Y	Two Way	-.013
3	N8	N6	N13	N14A	Y	Two Way	-.013

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	N21	max	3219.825	11	1292.112	15	999.081	1	-.814	10	2.71	11	.381	4
2		min	-3201.493	5	276.81	10	-957.873	7	-3.523	16	-2.664	5	-.232	10
3	N17	max	2030.653	9	1301.894	20	2693.194	3	1.55	13	2.807	3	-.649	3
4		min	-2070.539	3	350.627	3	-2731.52	9	.411	7	-2.788	9	-3.177	21
5	N26	max	1648.076	10	1230.59	21	2952.357	1	2.024	24	2.643	7	2.69	18
6		min	-1582.238	4	339.631	2	-2929.918	7	.472	6	-2.66	1	.826	12
7	N29	max	2185.37	17	1817.395	17	1260.693	17	0	4	0	4	0	4
8		min	-152.611	11	-97.888	11	-88.081	11	0	10	0	10	0	10
9	N26A	max	102.407	10	1920.044	13	309.395	7	0	51	.002	10	.003	4
10		min	-102.35	4	-188.837	7	-2673.623	13	0	1	-.002	4	-.003	10
11	N27A	max	234.406	3	1898.888	21	1322.022	21	.002	1	.001	7	0	7
12		min	-2291.031	21	-162.135	3	-135.193	3	-.002	7	-.001	1	0	1
13	Totals:	max	5069.301	10	8798.557	20	5017.156	1						
14		min	-5069.307	4	2993.533	2	-5017.155	7						

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

	Member	Shape	Code Check	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M7	L3X3X4	.233	0	4	.015	44.521	z	16	14041.5...	46656	1.688	3.357	1....	H2-1
2	FACE	L3X3X4	.556	0	9	.294	85.021	y	7	3850.32	46656	1.688	2.947	2....	H2-1
3	M10	LL3x3x4x0	.264	46.765	44	.351	0	z	6	76393.4...	93312	6.48	4.362	1....	H1-1b
4	M14	HSS4X4X4	.261	0	5	.109	0	z	5	134147....	139518	16.181	16.181	1....	H1-1b
5	M47	LL3x3x4x0	.259	46.765	15	.044	29.228	y	17	76393.4...	93312	6.48	4.362	1....	H1-1b
6	M8	L3X3X4	.247	45.427	3	.016	44.5	z	21	14055.1...	46656	1.688	3.44	1....	H2-1
7	M9	L3X3X4	.577	0	1	.296	86.771	y	5	3852.266	46656	1.688	3.127	2....	H2-1
8	M10A	LL3x3x4x0	.277	46.765	15	.469	0	z	10	76393.4...	93312	6.48	4.362	1....	H1-1b
9	M11	HSS4X4X4	.266	0	9	.113	0	z	9	134147....	139518	16.181	16.181	1....	H1-1b
10	M15A	L3X3X4	.249	44.511	7	.015	89.021	z	11	14048.3...	46656	1.688	3.351	1....	H2-1
11	M16A	L3X3X4	.583	85.011	3	.241	85.011	y	9	3851.293	46656	1.688	2.447	1....	H2-1
12	M18	HSS4X4X4	.249	0	13	.109	0	z	1	134147....	139518	16.181	16.181	1....	H1-1b
13	M23	LL2.5x2.5x3...	.124	44.797	15	.019	0	z	4	28647.4...	58320	4.643	2.517	1....	H1-1b

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

	Member	Shape	Code Check	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
14	M24	LL2.5x2.5x3...	.123	44.827	23	.015	89.654	z	6	28619.8...	58320	4.643	2.517	1....	H1-1b
15	M25	LL2.5x2.5x3...	.121	44.797	19	.006	89.594	z	2	28647.5...	58320	4.643	2.517	1....	H1-1b
16	MP1A	PIPE_2.0	.287	46.5	5	.139	7.5		7	20866.7...	32130	1.872	1.872	2....	H1-1b
17	MP2A	PIPE_2.0	.422	46.5	10	.136	46.5		5	20866.7...	32130	1.872	1.872	2....	H1-1b
18	MP3A	PIPE_2.0	.301	46.5	10	.172	46.5		7	20866.7...	32130	1.872	1.872	2....	H1-1b
19	MP4A	PIPE_2.0	.255	46.5	10	.171	46.5		12	20866.7...	32130	1.872	1.872	2....	H1-1b
20	MP1C	PIPE_2.0	.343	46.5	1	.174	7.5		3	20866.7...	32130	1.872	1.872	2....	H1-1b
21	MP2C	PIPE_2.0	.453	46.5	6	.142	46.5		1	20866.7...	32130	1.872	1.872	2....	H1-1b
22	MP3C	PIPE_2.0	.296	46.5	6	.166	46.5		3	20866.7...	32130	1.872	1.872	2....	H1-1b
23	MP4C	PIPE_2.0	.218	46.5	6	.142	46.5		8	20866.7...	32130	1.872	1.872	2....	H1-1b
24	MP1B	PIPE_2.0	.285	46.5	9	.142	7.5		11	20866.7...	32130	1.872	1.872	2....	H1-1b
25	MP2B	PIPE_2.0	.427	46.5	2	.140	46.5		9	20866.7...	32130	1.872	1.872	2.3	H1-1b
26	MP3B	PIPE_2.0	.307	46.5	2	.172	46.5		11	20866.7...	32130	1.872	1.872	2....	H1-1b
27	MP4B	PIPE_2.0	.254	46.5	2	.174	46.5		4	20866.7...	32130	1.872	1.872	2....	H1-1b
28	M49	PIPE_2.0	.378	96.275	7	.146	147....		6	5016.108	32130	1.872	1.872	1....	H1-1b
29	M54	PIPE_2.0	.389	99.775	3	.151	147....		2	5016.108	32130	1.872	1.872	1....	H1-1b
30	M59	PIPE_2.0	.379	96.275	11	.149	147....		10	5016.108	32130	1.872	1.872	1....	H1-1b
31	M70	L2.5x2.5x3	.528	17.492	11	.072	17.492	y	11	27112.0...	29192.4	.873	1.972	2....	H2-1
32	M77	L2.5x2.5x3	.536	17.492	7	.062	17.492	y	7	27112.0...	29192.4	.873	1.972	2....	H2-1
33	M84	L2.5x2.5x3	.556	17.492	3	.069	17.492	y	9	27112.0...	29192.4	.873	1.972	2....	H2-1
34	OVP1	PIPE_2.0	.150	36	9	.013	36		9	28843.4...	32130	1.872	1.872	1....	H1-1b
35	OVP2	PIPE_2.0	.149	36	3	.012	36		3	28843.4...	32130	1.872	1.872	1....	H1-1b

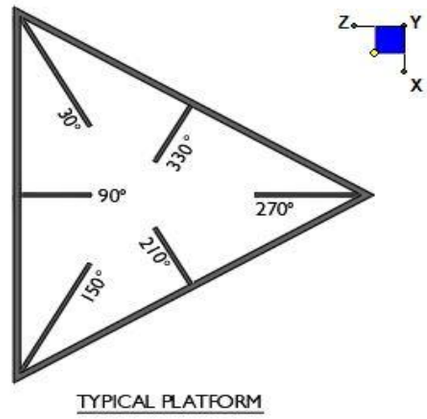
Client:	Verizon	Date:	3/10/2021
Site Name:	Newington 2 CT		
Project No.	21777016A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

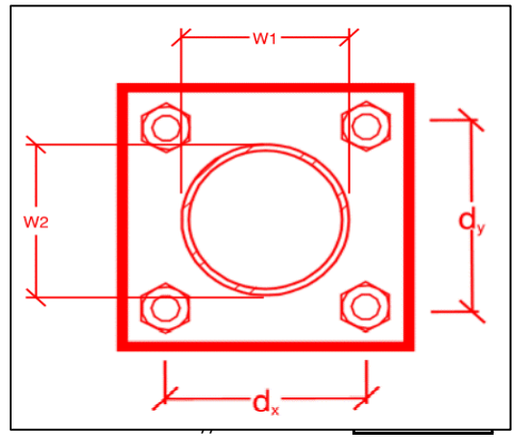
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N17	330
N21	90
N26	210



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	12
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	2.02
Plate Bending Capacity:	**16.3%**
Weld Capacity:	**36.3%**



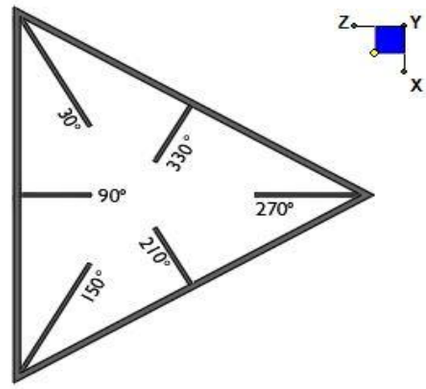
Client:	Verizon	Date:	3/10/2021
Site Name:	Newington 2 CT		
Project No.	21777016A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N27A	30
N29	150
N26A	270

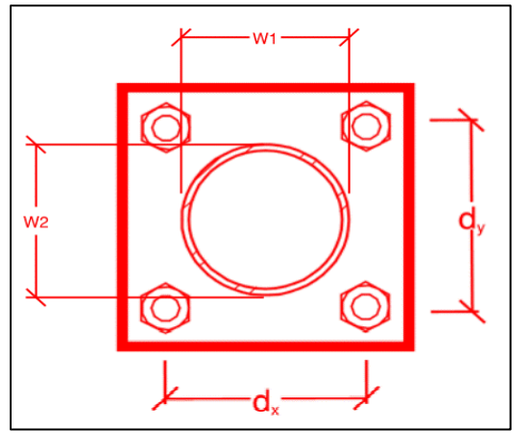


TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A307
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	2.7
Required Shear Strength (kips):	1.9
Tensile Strength / bolt (kips):	10.0
Shear Strength / bolt (kips):	6.0
Tensile Capacity Overall:	**6.7%***
Shear Capacity Overall:	**8.0%**

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



Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

- These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor to install safety climb wire rope standoff (Site Pro 1 Part # 120-123/317 or EOR Approved equivalent) in all locations of wire rope rubbing on mount. Contractor to move existing mount pipe in position 2 on gamma sector 12” to the left facing away from the tower.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & "During Installation" Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Structure: 468297-VZW - Newington 2

Sector: **A**

Structure Type: Self Support

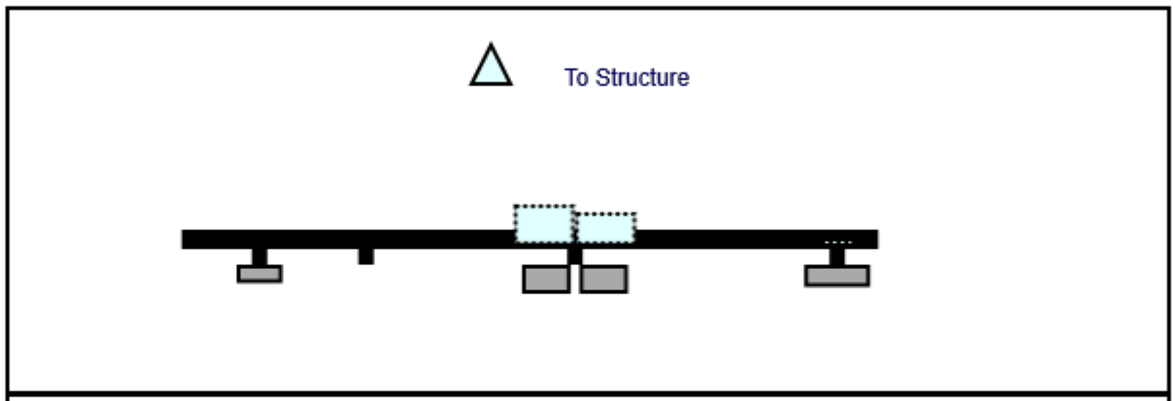
Mount Elev: 113.00

3/9/2021

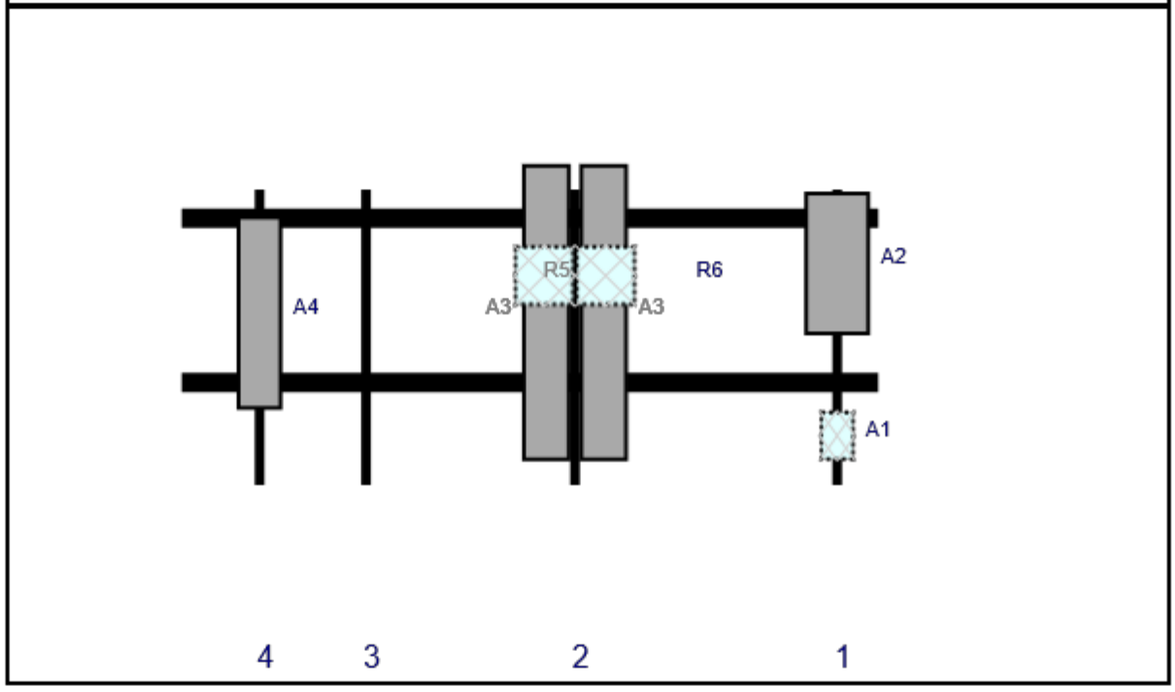
Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	160	1	a	Behind	60	0	Added	
A2	VZS01	35.1	16.1	160	1	a	Front	18	0	Added	
A3	SBNHH-1D65B	72.6	11.9	96	2	a	Front	30	-7	Retained	02/23/2021
A3	SBNHH-1D65B	72.6	11.9	96	2	b	Front	30	7	Retained	02/23/2021
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	96	2	a	Behind	21	-7.5	Retained	02/23/2021
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	96	2	b	Behind	21	7.5	Retained	02/23/2021
A4	BXA-80063/4CF 5	47.4	11.2	19	4	a	Front	30	0	Retained	02/23/2021

Sector: **B**

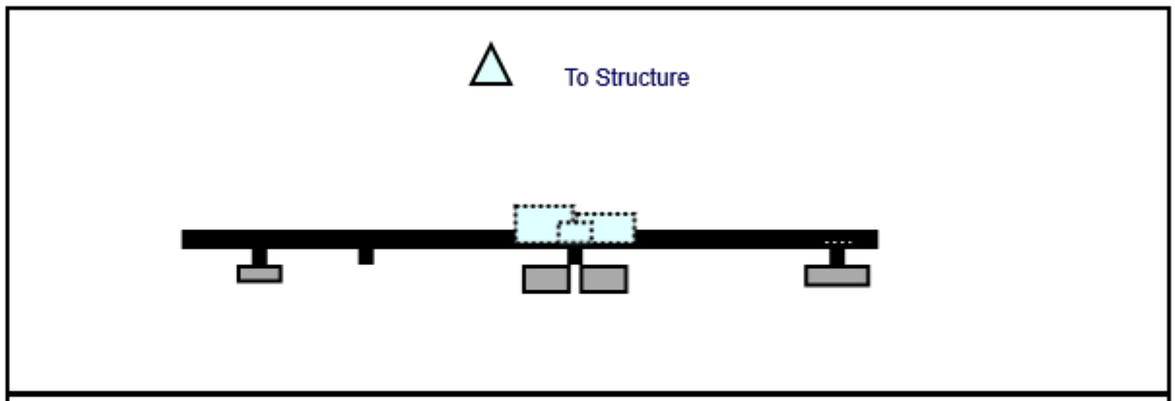
Structure Type: Self Support

Mount Elev: 113.00

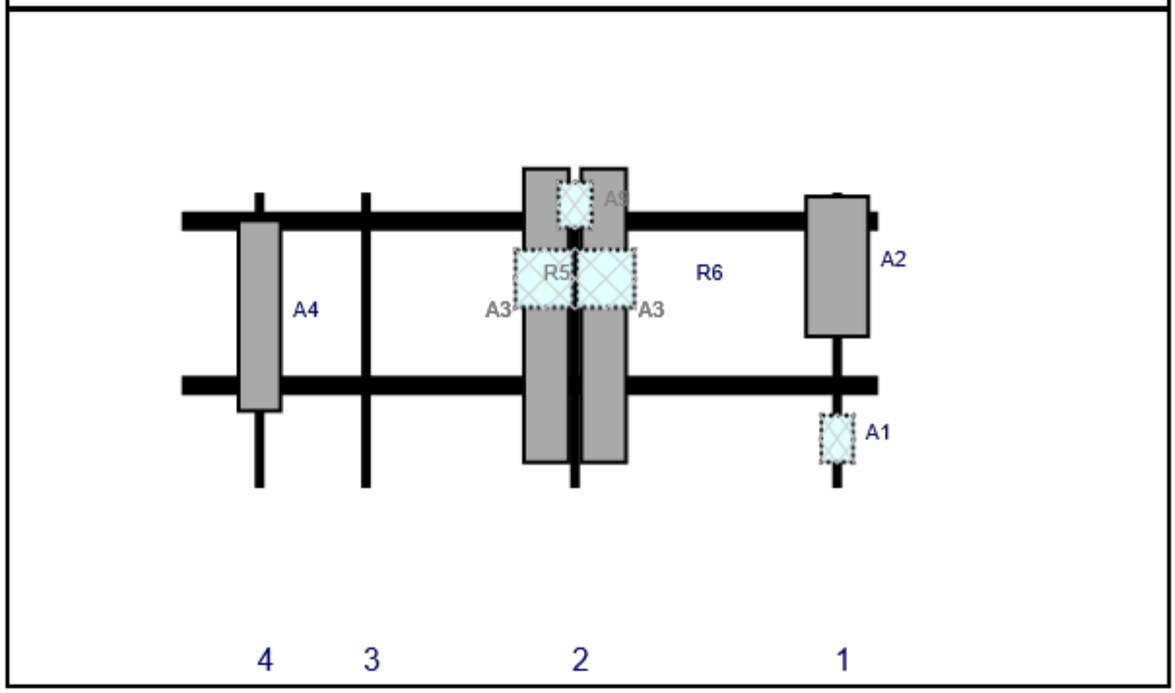
3/9/2021

MASER CONSULTING — CONNECTICUT —

Plan View



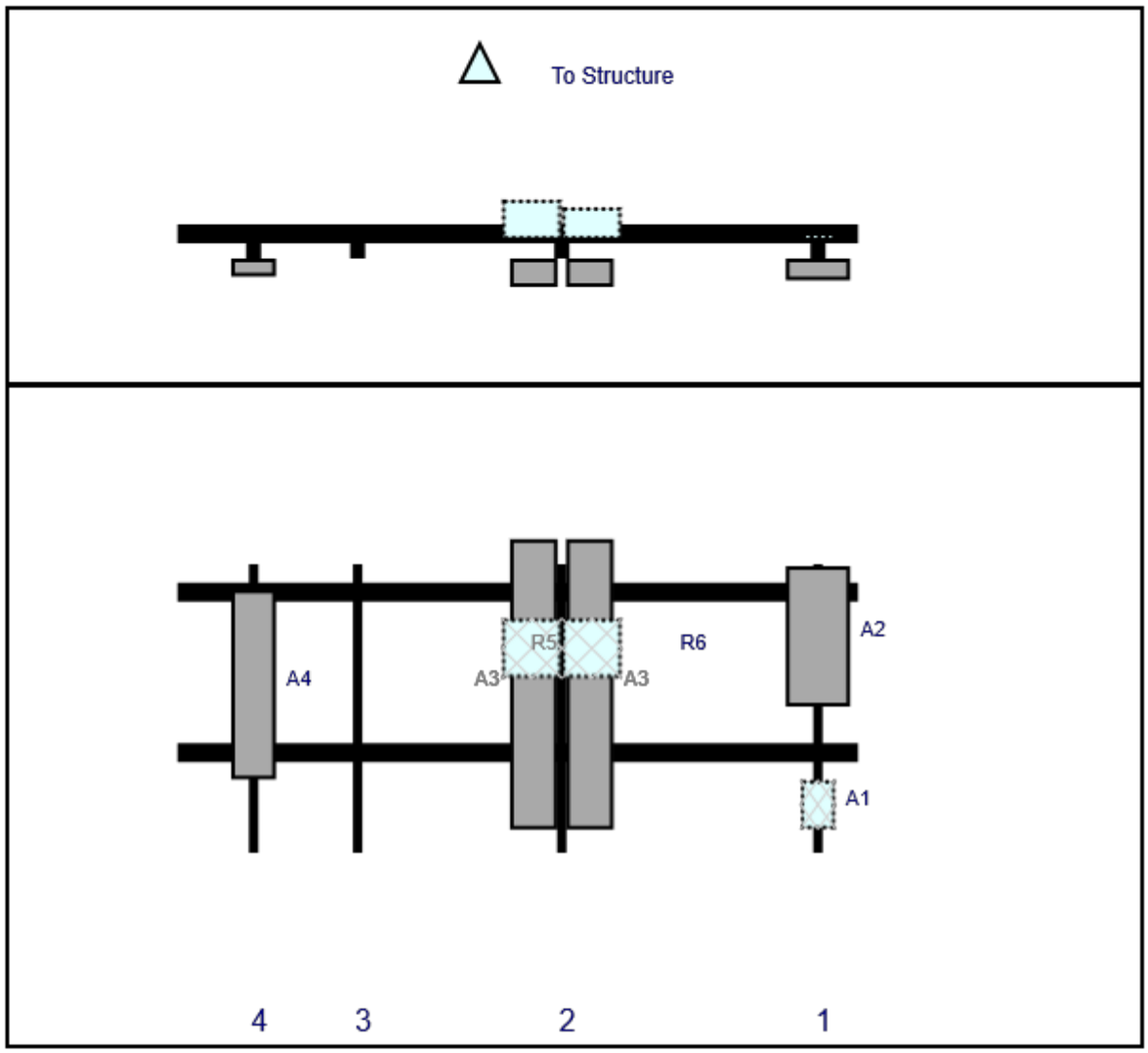
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	160	1	a	Behind	60	0	Added	
A2	VZS01	35.1	16.1	160	1	a	Front	18	0	Added	
A3	SBNHH-1D65B	72.6	11.9	96	2	a	Front	30	-7	Retained	02/23/2021
A3	SBNHH-1D65B	72.6	11.9	96	2	b	Front	30	7	Retained	02/23/2021
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	96	2	a	Behind	21	-7.5	Retained	02/23/2021
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	96	2	b	Behind	21	7.5	Retained	02/23/2021
A9	GPS	12	9	96	2	a	Behind	3	0	None	
A4	BXA-80063/4CF 5	47.4	11.2	19	4	a	Front	30	0	Retained	02/23/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	160	1	a	Behind	60	0	Added	
A2	VZS01	35.1	16.1	160	1	a	Front	18	0	Added	
A3	SBNHH-1D65B	72.6	11.9	96	2	a	Front	30	-7	Retained	02/23/2021
A3	SBNHH-1D65B	72.6	11.9	96	2	b	Front	30	7	Retained	02/23/2021
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	96	2	a	Behind	21	-7.5	Retained	02/23/2021
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	96	2	b	Behind	21	7.5	Retained	02/23/2021
A4	BXA-80063/4CF 5	47.4	11.2	19	4	a	Front	30	0	Retained	02/23/2021

Maser Consulting Connecticut

Subject	TIA-222-H Adoption and Wind Speed Usage
Site Information	Site ID: 468297-VZW / Newington 2 - CT Site Name: Newington 2 - CT Carrier Name: Verizon Wireless Address: 123 Costello Rd Newington, Connecticut 06111 Hartford County Latitude: 41.655197° Longitude: -72.721904°
Structure Information	Tower Type: Self Support Mount Type: 14.17-Ft Platform

To Whom It May Concern,

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

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

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

Dejian Xu

Dejian Xu, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: ***NEWINGTON 2 CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	690	2761	115	0.0075	0.5007	1.50%
VZW Cellular	874	4	825	3302	115	0.0090	0.5827	1.54%
VZW PCS	1975	4	1593	6370	115	0.0173	1.0000	1.73%
VZW AWS	2120	4	1571	6286	115	0.0171	1.0000	1.71%
VZW CBRS	3625	4	13	51	113	0.0001	1.0000	0.01%
VZW CBAND	3730.08	4	6531	26125	116.5	0.0692	1.0000	6.92%
Total Percentage of Maximum Permissible Exposure								13.42%

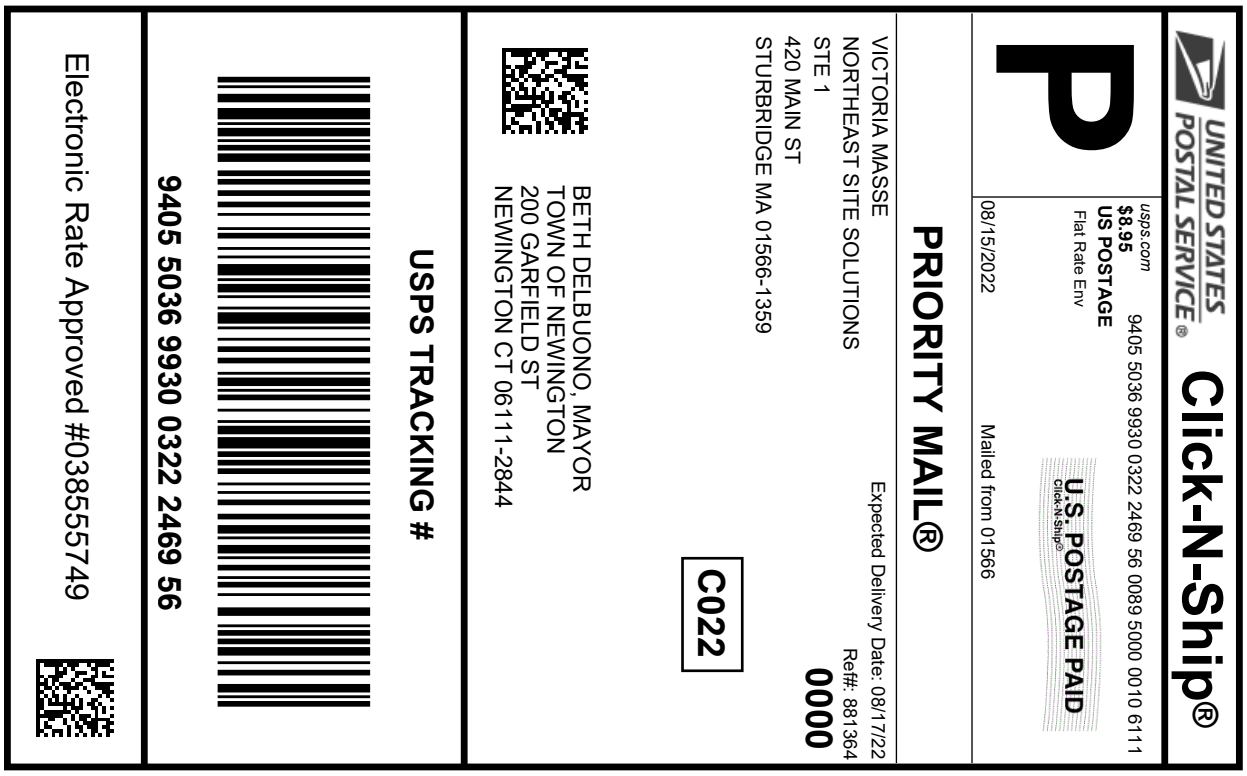
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings



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STURBRIDGE MA 01566-1359

Ref#: 881364

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TOWN OF NEWINGTON
200 GARFIELD ST
NEWINGTON CT 06111-2844

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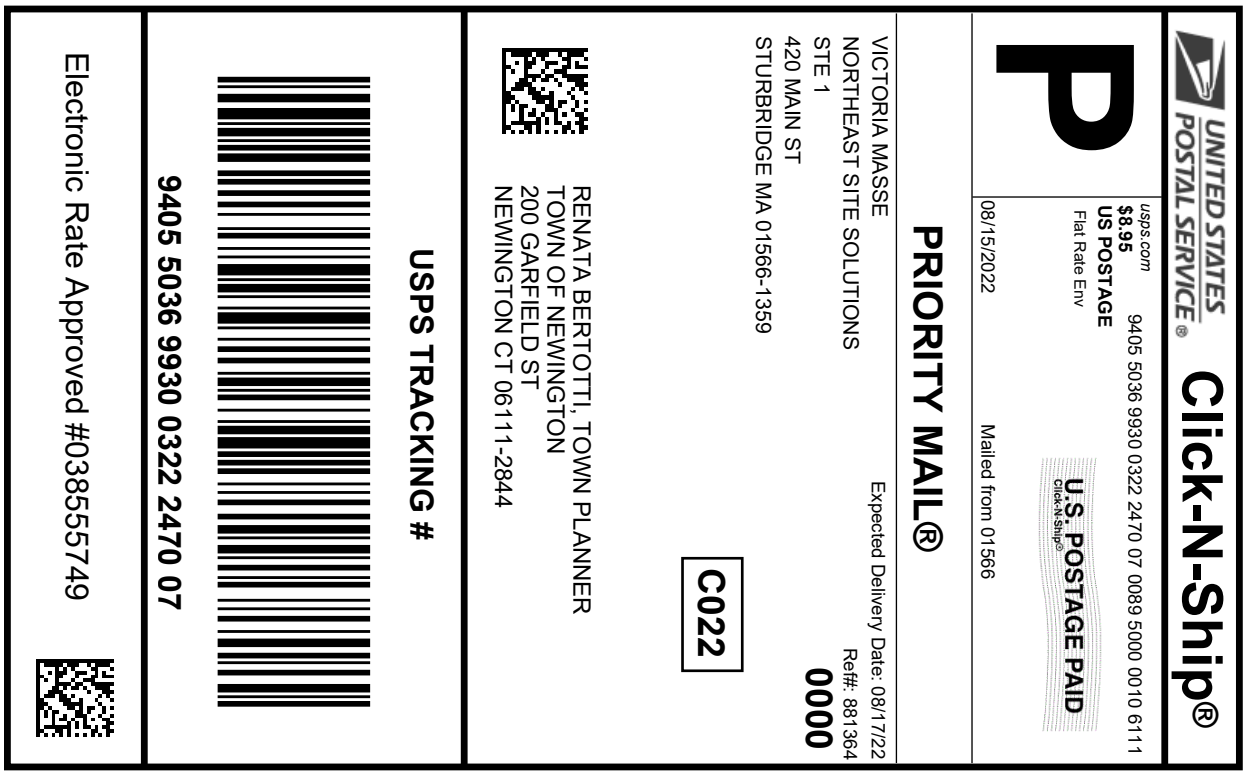

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Total:	**$8.95**

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NORTHEAST SITE SOLUTIONS
STE 1
420 MAIN ST
STURBRIDGE MA 01566-1359
Ref#: 881364

To: RENATA BERTOTTI, TOWN PLANNER
TOWN OF NEWINGTON
200 GARFIELD ST
NEWINGTON CT 06111-2844

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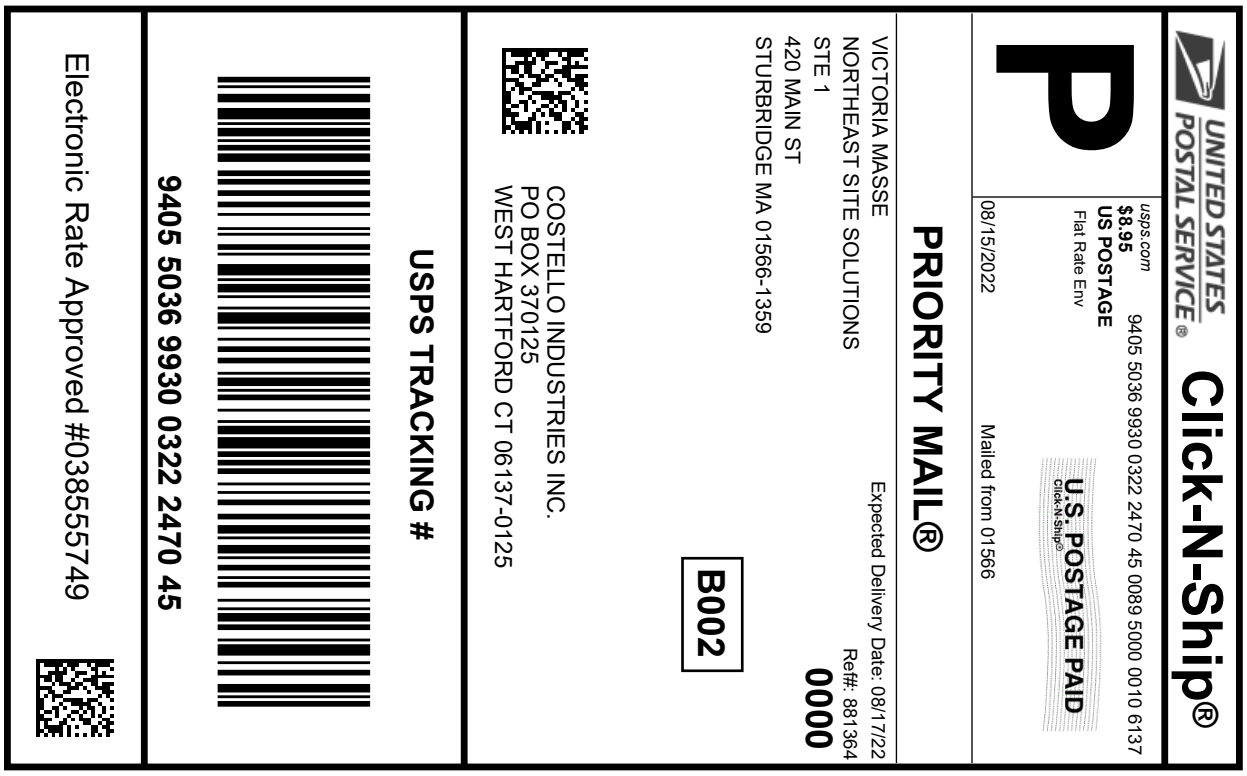

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Expected Delivery Date:	08/17/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

From: VICTORIA MASSE
NORTHEAST SITE SOLUTIONS
STE 1
420 MAIN ST
STURBRIDGE MA 01566-1359

Ref#: 881364

To: COSTELLO INDUSTRIES INC.
PO BOX 370125
WEST HARTFORD CT 06137-0125

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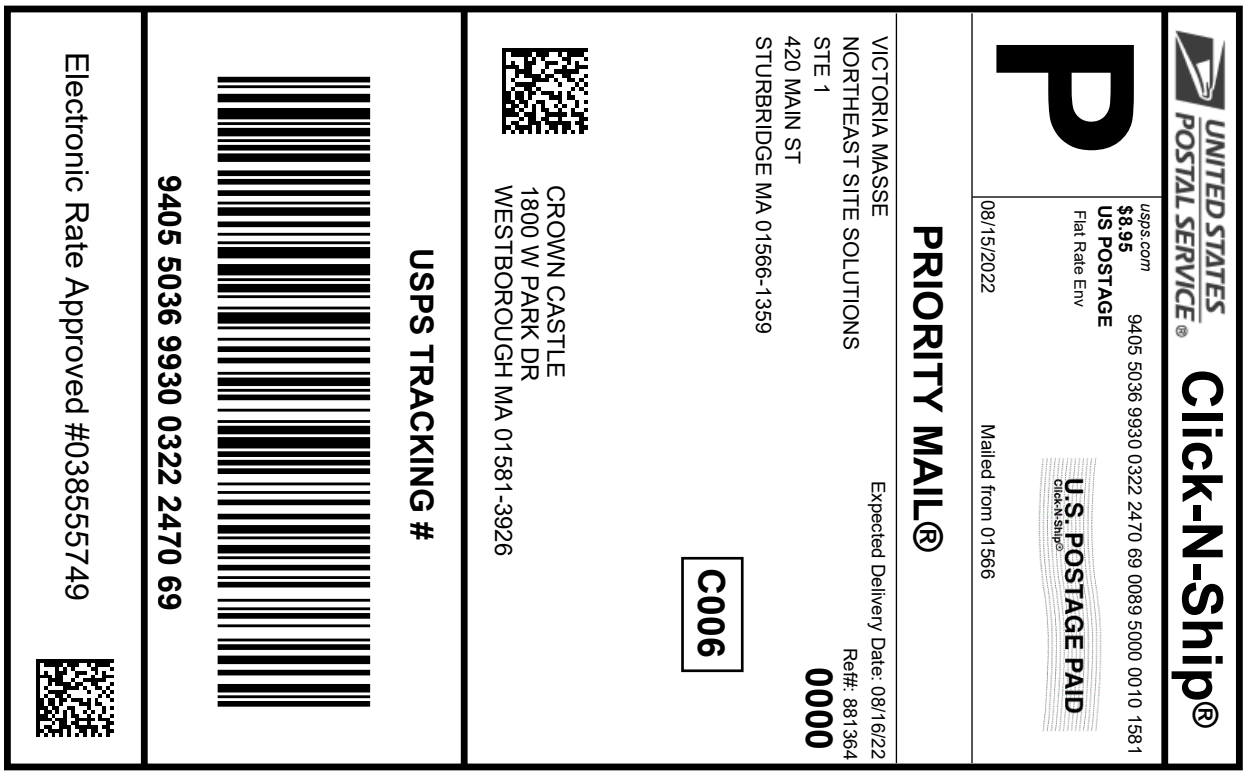

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Trans. #:	569755597
Print Date:	08/15/2022
Ship Date:	08/15/2022
Expected Delivery Date:	08/16/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

From: VICTORIA MASSE
NORTHEAST SITE SOLUTIONS
STE 1
420 MAIN ST
STURBRIDGE MA 01566-1359

Ref#: 881364

To: CROWN CASTLE
1800 W PARK DR
WESTBOROUGH MA 01581-3926

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Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Wed 08/17/2022 Tracking #: 9405 5036 9930 0323 9750 77	1		$0.00
Prepaid Mail Brooklyn, CT 06234 Weight: 0 lb 12.50 oz Acceptance Date: Wed 08/17/2022 Tracking #: 9405 5036 9930 0323 9750 15	1		$0.00
Prepaid Mail Brooklyn, CT 06234 Weight: 0 lb 12.50 oz Acceptance Date: Wed 08/17/2022 Tracking #: 9405 5036 9930 0323 9750 60	1		$0.00
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