NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

April 8, 2022

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

RE: Exempt Modification Application
1969 Saybrook Road, Middletown, CT 06457
Latitude: 41.510644
Longitude: -72.593377
Site #: 876341_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 1969 Saybrook Road, Middletown, CT 06457. Verizon Wireless currently maintains twelve (12) antennas at the 142-foot level of the existing 150-foot tower. The property is owned by Regowset Ridge LLC and tower is owned by Crown Castle. Verizon now intends to replace six (6) antennas and add three (3) antennas. The new antennas would be installed at the 142-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated February 7, 2022.

Verizon Planned Modifications:

Remove:
(2) 1-5/8" Coax

Remove and Replace:
(3) ANTEL Antennas (REMOVE) – (3) JAHH-65C-R3B Antennas (REPLACE)
(3) ANTEL Antennas (REMOVE) – (3) JAHH-65C-R3B Antennas (REPLACE)

Install New:
(3) SAMSUNG MT6407-77A VS01 Antennas
(3) SAMSUNG RRH-BR049 RFV01U D1A
(3) SAMSUNG RRH--BR04C RFV01U D2A
(3) COMMSCOPE JAHH-65B-R3B Diplexers
(1) Raycap OVP
(2) 1-1/2" Hybrid Cables

Existing to Remain:
(6) RFS Antennas
(10) 1-5/8" Coax
(1) 1/2" Coax

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The facility was originally approved by the City of Middletown on March 31, 1997. 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 Ben Florsheim and Marek Kozikowski, Director of Land Use for the City of Middletown. 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 Ben Florsheim
City of Middletown
245 deKoven Drive
Room 209
Middletown, CT 06457

Marek Kozikowski, Director of Land Use
City of Middletown
245 deKoven Drive
Room 209
Middletown, CT 06457

Regowset Ridge LLC - Property Owner
88 High Street
Portland, CT 06480

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

CT03XC169

BUILDING PERMIT

BUILDING DEPARTMENT • 344-3416 • MIDDLETOWN, CT 06457

DATE March 31 19 97 PERMIT # _____

APPLICANT Sprint Spectrum, L.P.

ADDRESS 9 Barnes Industrial Road, Wallingford, CT 06492
(NO.) (STREET) (CITY) (STATE) (ZIP)

PERMIT TO construct ( ) STORY Communication tower & antennas NUMBER OF DWELLING UNITS _____
(TYPE OF IMPROVEMENT) (NO.) (PROPOSED USE)

AT (LOCATION) 1969 Sayrbook Road, Middletown, CT ZONING DISTRICT _____
(NO.) (STREET)

CONTRACTORS LICENSE to be determined WORK PHONE # _____ MOBILE PHONE # _____

BUILDING IS TO BE _____ FT. WIDE BY _____ FT. LONG BY _____ FT. IN HEIGHT AND SHALL CONFORM IN CONSTRUCTION

TO TYPE _____ USE GROUP _____ BASEMENT WALLS OR FOUNDATION _____
(TYPE)

REMARKS: Install 150' monopole tower, 6 antennas & associated communications equipment.

PUBLIC UTILITIES AVAILABLE:
CITY WATER ( ) SEWER ( ) SEPTIC/WELL ( ) ESTIMATED COST $ 274,000 PERMIT FEE $ _____

OWNER Seabstian G. Marino

ADDRESS 1969 Sayrbook Road BUILDING DEPT. BY _____

Exhibit B

Property Card

1987 SAYBROOK RD

Location	1987 SAYBROOK RD	**Map-Lot**	49/ / 0015/ /
Acct#	R07180	**Owner**	REGOWSET RIDGE LLC
Municipality		**Assessment**	$382,230
Appraisal	$546,030	**PID**	8044
Building Count	1	**Assessing District**	

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$167,630	$378,400	$546,030
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$117,350	$264,880	$382,230

Parcel Addreses

Additional Addresses
No Additional Addresses available for this parcel

Owner of Record

Owner	REGOWSET RIDGE LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	88 HIGH ST PORTLAND, CT 06480	**Book & Page**	1753/0973
		Sale Date	04/17/2012
		Instrument	29

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
REGOWSET RIDGE LLC	$0		1753/0973	29	04/17/2012
MARINO SEBASTIAN G (EST) (ETALS)	$0		1753/0970	29	04/17/2012
MARINO SEBASTIAN G (EST) (ETALS)	$0		1753/0967	29	04/17/2012

MARINO SEBASTIAN G (EST) (2/4 INT)	$0		1753/0964	29	04/17/2012
MARINO SEBASTIAN G (EST) (3/4 INT) &	$0		1753/0961	29	04/17/2012

Building Information

Building 1 : Section 1

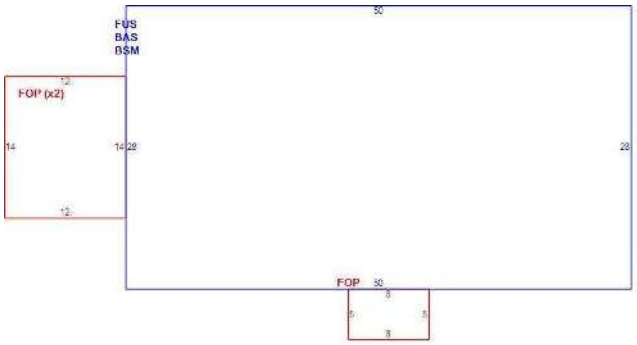
Year Built: 1965
Living Area: 2,800
Replacement Cost: $234,872
Building Percent Good: 65
Replacement Cost Less Depreciation: $152,670

Building Attributes	
Field	**Description**
Style	Two Family
Model	Multi-Family
Grade	C
Stories	2 Stories
Occupancy	2
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt Shingl
Interior Wall 1	Plastered
Interior Wall 2	
Interior Floor 1	Hardwood
Interior Floor 2	
Heat Fuel	Oil
Heat Type	Hot Water
Ac Type	None
Bedrooms	6
Full Baths	2
Half Baths	0
Extra Fixtures	0
Total Rooms	10
Bath Remodel	Not Updated
Kitchen Remodel	Not Updated
Extra Kitchens	2
Fireplaces	1
Extra Openings	1
Gas Fireplace	0
Int vs Ext	Same

Building Photo

(http://images.vgsi.com/photos/MiddletownCTPhotos/\00\03\17\55.jpg)

Building Layout



(ParcelSketch.ashx?pid=8044&bid=8044)

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	1,400	1,400
FUS	Finished Upper Story	1,400	1,400
BSM	Basement	1,400	0
FOP	Framed Open Porch	376	0
		4,576	2,800

A/C Type	None
A/C %	0
Fireplaces 1	2900
Fin Bsmt Area	0.00
FBM grade	0
Bsmt Garage	0
Fndtn Cndtn	
In Law	0

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code 102
Description 2 Family
Zone R-60
Neighborhood 12
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 55.30
Assessed Value $264,880
Appraised Value $378,400

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
FGR1	Garage			520.00 UNITS	$7,280	1
FGR2	Garage W/ Loft			480.00 UNITS	$7,680	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$167,630	$378,400	$546,030
2019	$167,630	$378,400	$546,030
2018	$167,630	$378,400	$546,030

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$117,350	$264,880	$382,230
2019	$117,350	$264,880	$382,230
2018	$117,350	$264,880	$382,230

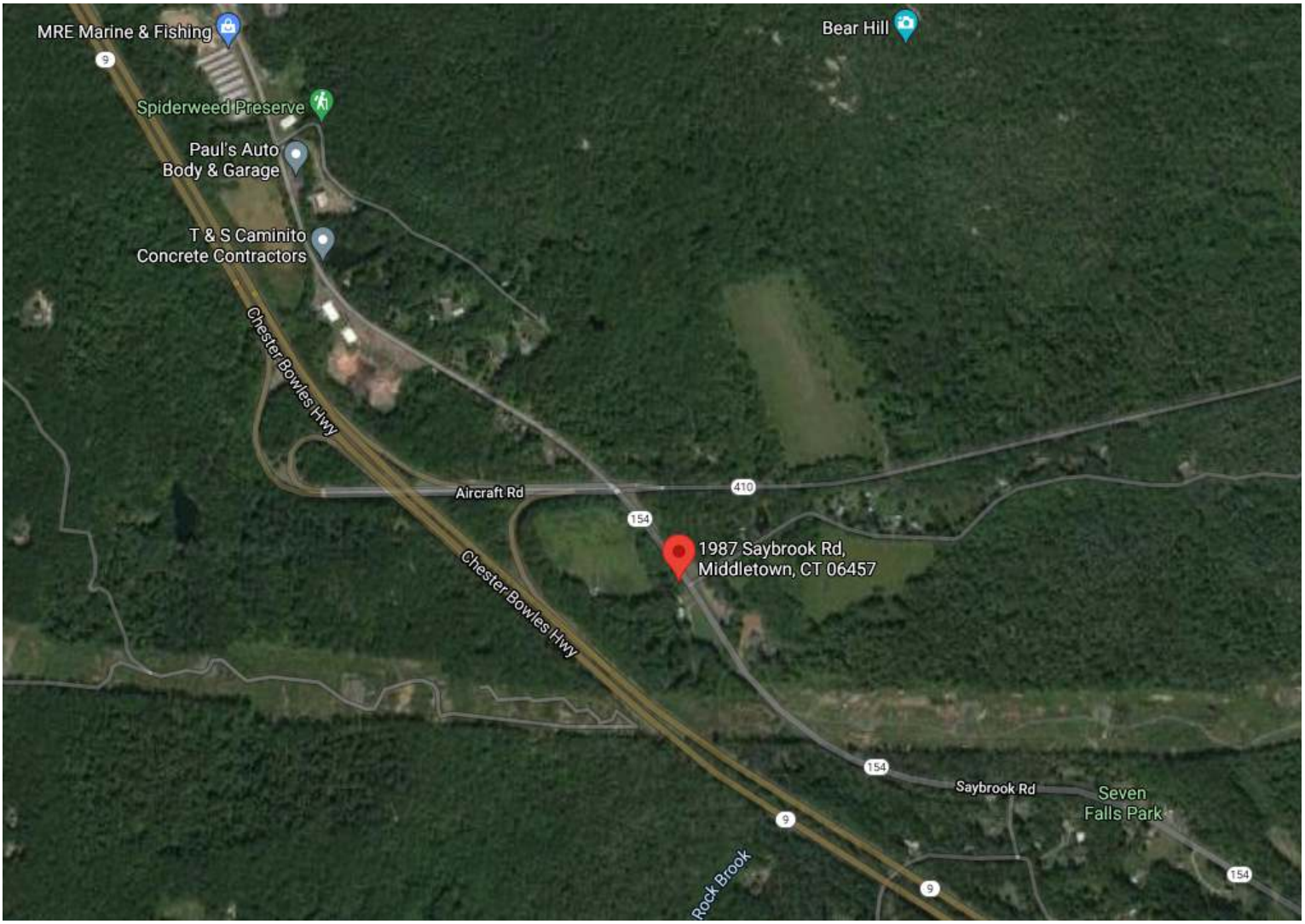


Exhibit C

Construction Drawings

VERIZON

VERIZON SITE NUMBER:	467257
VERIZON SITE NAME:	MIDDLETOWN SE CT
SITE TYPE:	MONOPOLE
TOWER HEIGHT:	150'-0"
BUSINESS UNIT #:	876341
SITE ADDRESS:	1969 SAYBROOK RD MIDDLETOWN, CT 06457
COUNTY:	MIDDLESEX
JURISDICTION:	CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	MIDDLETOWN 2 - MARINO PROPERTY
SITE ADDRESS:	1969 SAYBROOK RD MIDDLETOWN, CT 06457
COUNTY:	MIDDLESEX
MAP/PARCEL #:	49-0015
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.510639
LONGITUDE:	-72.593361
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	388'
CURRENT ZONING:	R-60
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	REGOWSET RIDGE LLC 88 HIGH ST PORTLAND, CT 06480
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO 800-286-2000
TELCO PROVIDER:	CROWN CASTLE FIBER 855-913-4237

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 WILLIAM GATES - PROJECT MANAGER WILLIAM.GATES@CROWNCASTLE.COM JASON D'AMICO - CONSTRUCTION MANAGER JASON.DAMICO@CROWNCASTLE.COM
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vzwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10129644
VzW LOCATION CODE (PSLC)	467257

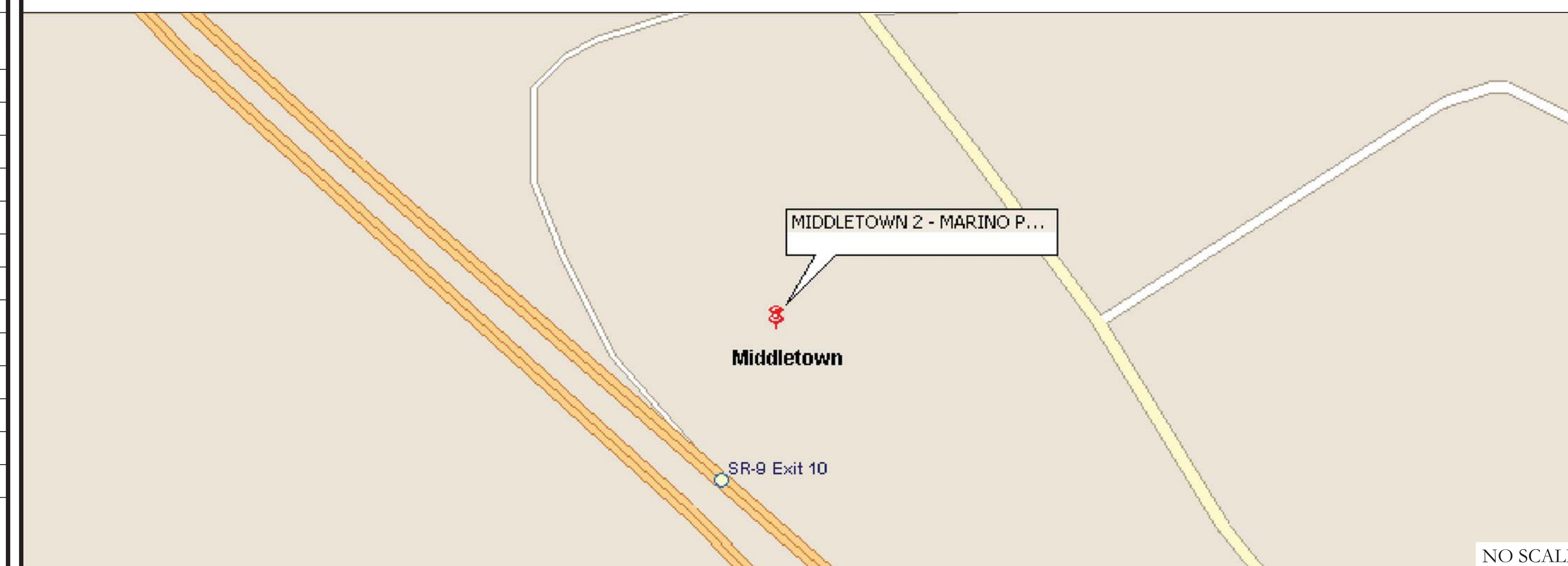
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD, BEDMINSTER, NJ 07921)
TAKE US-202 N/US-206 N AND SCHLEY MOUNTAIN RD TO I-287 N, CONTINUE ON I-287 N. TAKE CT-15 N AND CT-9 S TO EXIT 10 IN MIDDLETOWN, 324 FREEMAN RD, MIDDLETOWN, CT 06457, USA.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2015 IBC W/AMENDMENTS
MECHANICAL	2015 IMC W/AMENDMENTS
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	5/4/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	2/7/22
RFDS REVISION:	-
DATED:	2/17/21
ORDER ID:	552658
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 (6) ANTENNAS
- REMOVE (2) COAX CABLES (1-5/8")
- INSTALL MOUNT MODIFICATIONS PER MOUNT ANALYSIS BY MASER CONSULTING CONNECTICUT DATED 2/7/22
- INSTALL (3) DUAL ANTENNA MOUNTS
- INSTALL (9) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (3) DIPLEXERS
- INSTALL (1) OVP
- INSTALL (2) 6X12 HYBRID CABLES (1-1/2")

GROUND SCOPE OF WORK:
- REMOVE (3) RADIOS

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

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

VERIZON SITE NUMBER:
467257

BU #: 876341
MIDDLETOWN 2 - MARINO PROPERTY

1969 SAYBROOK RD
MIDDLETOWN, CT 06457

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER:	REVISION:
T-1	1

RUSH_79732.009.01_876341_MIDDLETOWN 2-MARINO PROPERTY.dwg – Sheet:T-1 – User: jackie.weeter – Mar 24, 2022 – 2:21pm

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.

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

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).

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
467257

BU #: **876341**
MIDDLETOWN 2 - MARINO PROPERTY

1969 SAYBROOK RD
MIDDLETOWN, CT 06457

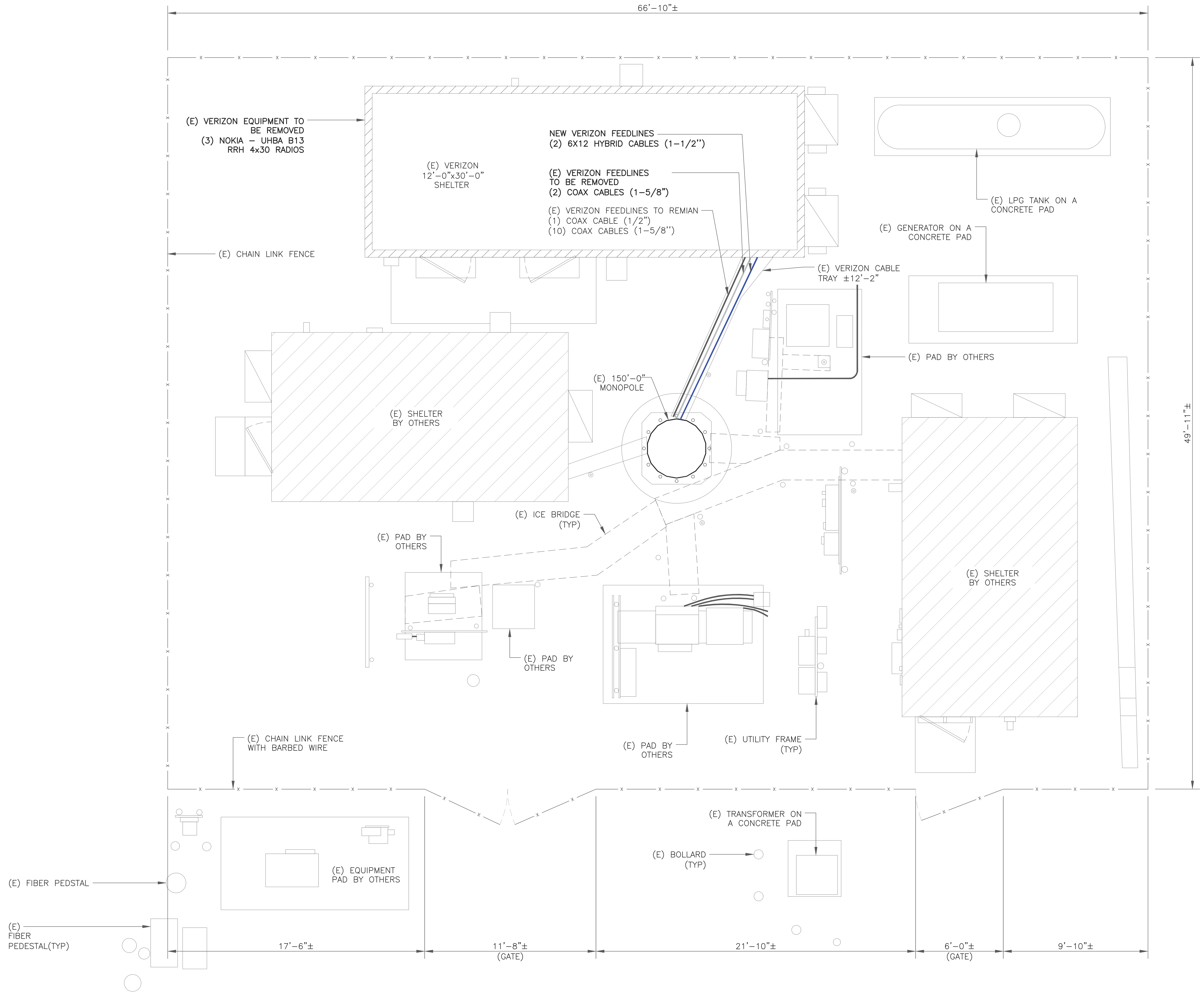
EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

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



1 SITE PLAN
SCALE: 4' 3' 2' 1' 0 4' 1/4"=1'-0" (FULL SIZE) 1/8"=1'-0" (11x17)

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ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

3/24/22

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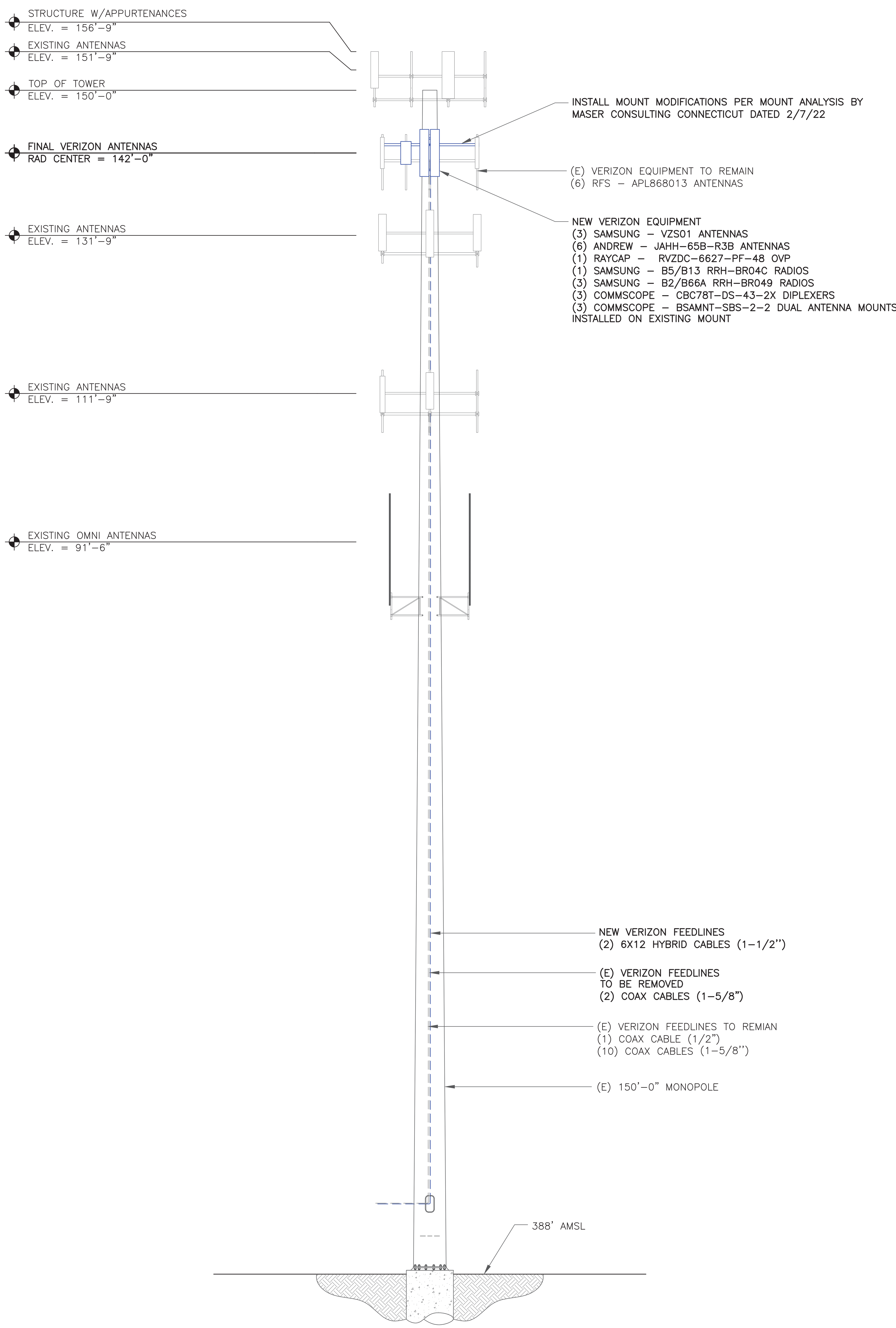
PEC.0001564
Expires 2/10/23

SHEET NUMBER: C-1
REVISION: 1



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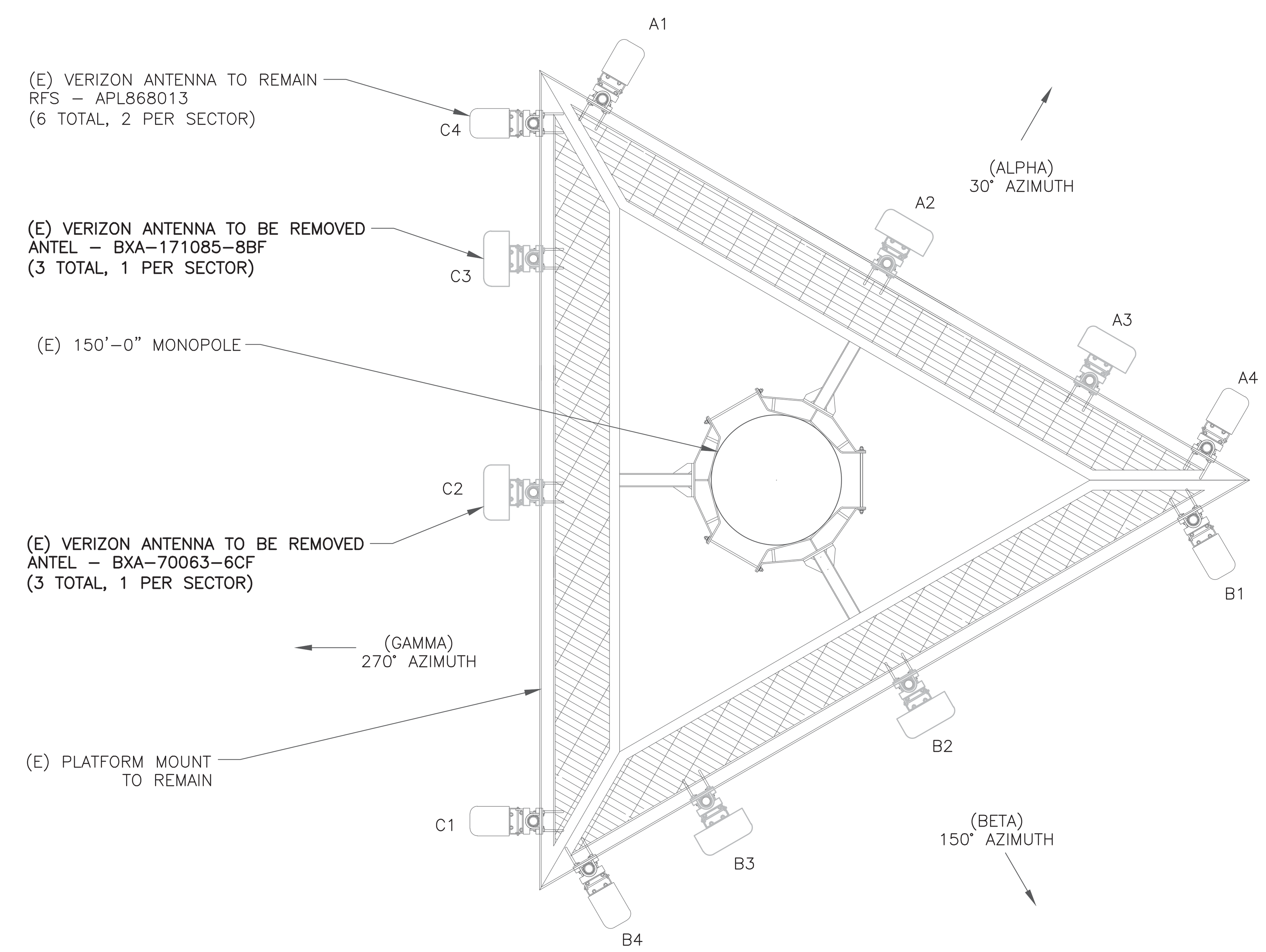
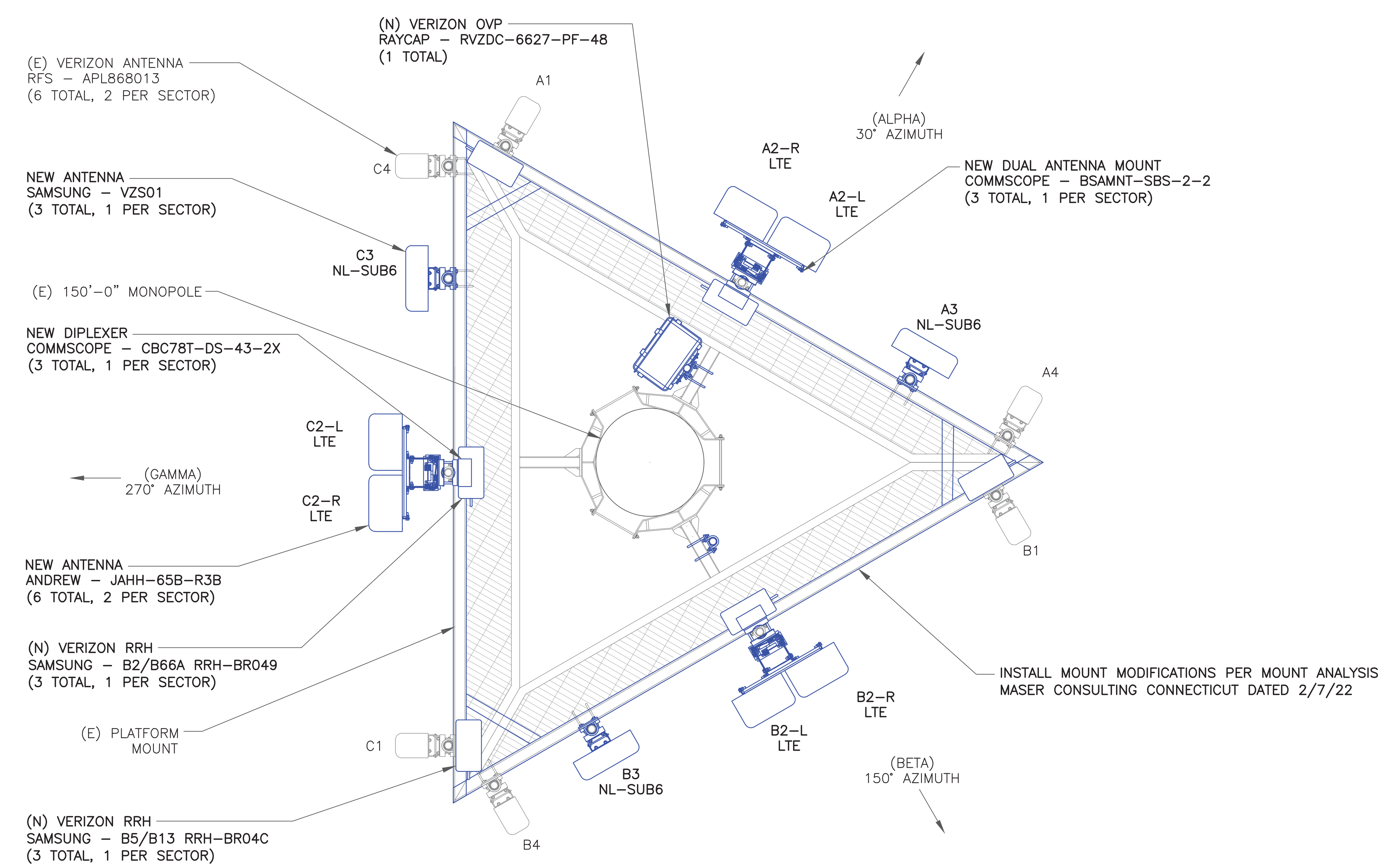


2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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MIDDLETOWN, CT 06457

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
[illegible]
3/24/22

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

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

SHEET NUMBER: C-2

REVISION: 1

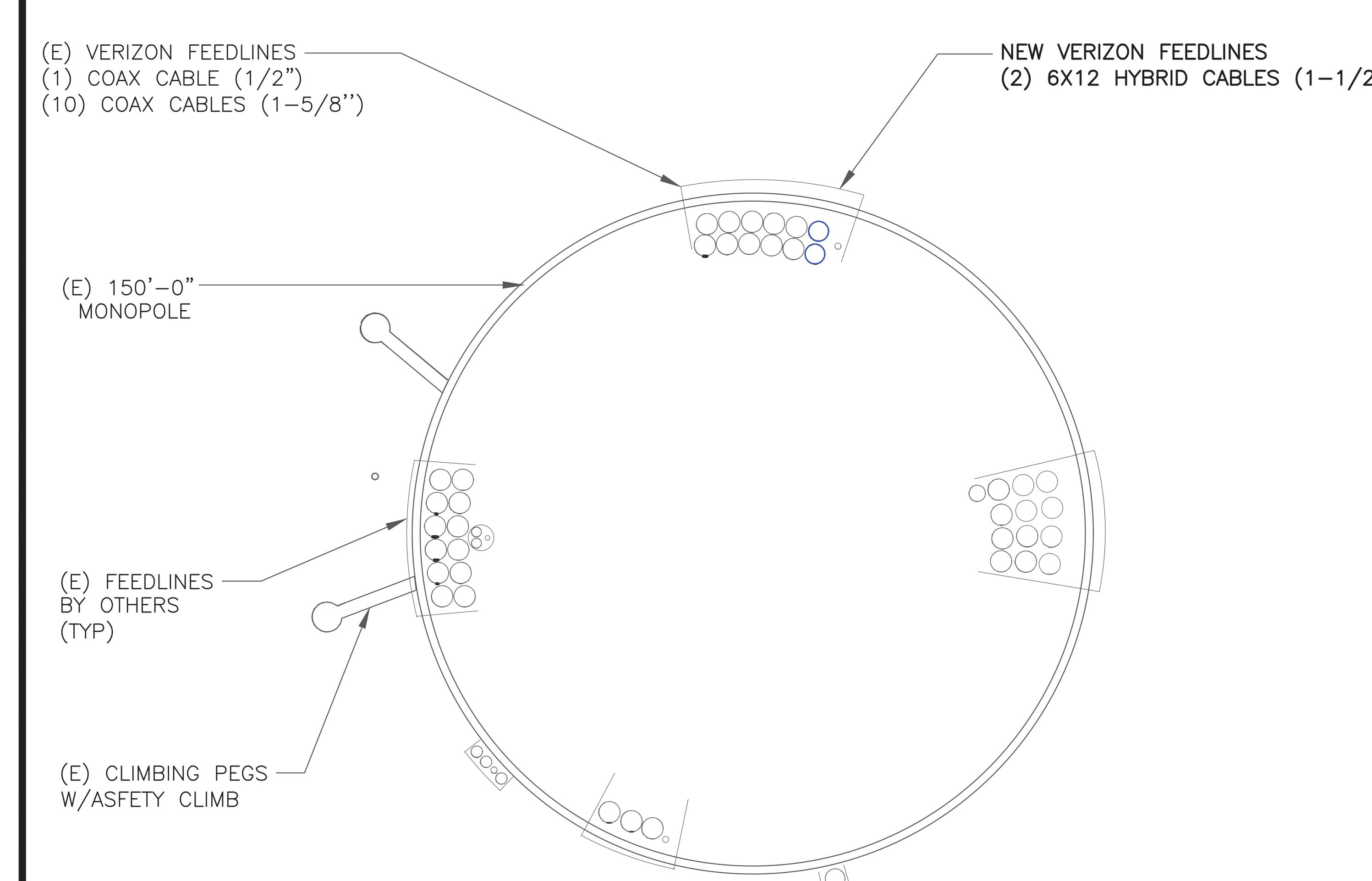
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	RFS	APL868013	142'–0"	30°	0°	0°	SAMSUNG	(1) B5/B13 RRH–BR04C
A2–L	NEW	ANDREW	JAHH–65B–R3B	142'–0"	30°	0°	2°/2°/0°/0°	SAMSUNG COMMSCOPE RAYCAP	(1) B2/B66A RRH–BR049 (1) CBC78T–DS–43–2X (1) RVZDC–6627–PF–48
A2–R	NEW	ANDREW	JAHH–65B–R3B	142'–0"	30°	0°	2°/2°/0°/0°		
A3	NEW	SAMSUNG	VZS01	142'–0"	30°	0°	6°	–	–
A4	EXISTING	RFS	APL868013	142'–0"	30°	0°	0°	–	–
B1	EXISTING	RFS	APL868013	142'–0"	150°	3°	0°	SAMSUNG	(1) B5/B13 RRH–BR04C
B2–L	NEW	ANDREW	JAHH–65B–R3B	142'–0"	150°	0°	2°/2°/0°/0°	SAMSUNG COMMSCOPE	(1) B2/B66A RRH–BR049 (1) CBC78T–DS–43–2X
B2–R	NEW	ANDREW	JAHH–65B–R3B	142'–0"	150°	0°	2°/2°/0°/0°		
B3	NEW	SAMSUNG	VZS01	142'–0"	150°	0°	6°	–	–
B4	EXISTING	RFS	APL868013	142'–0"	150°	3°	0°	–	–
C1	EXISTING	RFS	APL868013	142'–0"	270°	0°	0°	SAMSUNG	(1) B5/B13 RRH–BR04C
C2–L	NEW	ANDREW	JAHH–65B–R3B	142'–0"	270°	0°	2°/2°/0°/0°	SAMSUNG COMMSCOPE	(1) B2/B66A RRH–BR049 (1) CBC78T–DS–43–2X
C2–R	NEW	ANDREW	JAHH–65B–R3B	142'–0"	270°	0°	2°/2°/0°/0°		
C3	NEW	SAMSUNG	VZS01	142'–0"	270°	0°	6°	–	–
C4	EXISTING	RFS	APL868013	142'–0"	270°	0°	0°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1–5/8"	192'–0"±	10
EXISTING	COAX	1/2"	192'–0"±	1
NEW	HYBRID	1–1/2"	142'–0"±	2
TOTAL CABLE QTY:				13



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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180 WASHINGTON VALLEY ROAD
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SUITE 300
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VERIZON SITE NUMBER:
467257

BU #: **876341**
MIDDLETOWN 2 - MARINO PROPERTY

1969 SAYBROOK RD
MIDDLETOWN, CT 06457

EXISTING 150'-0" MONOPOLE

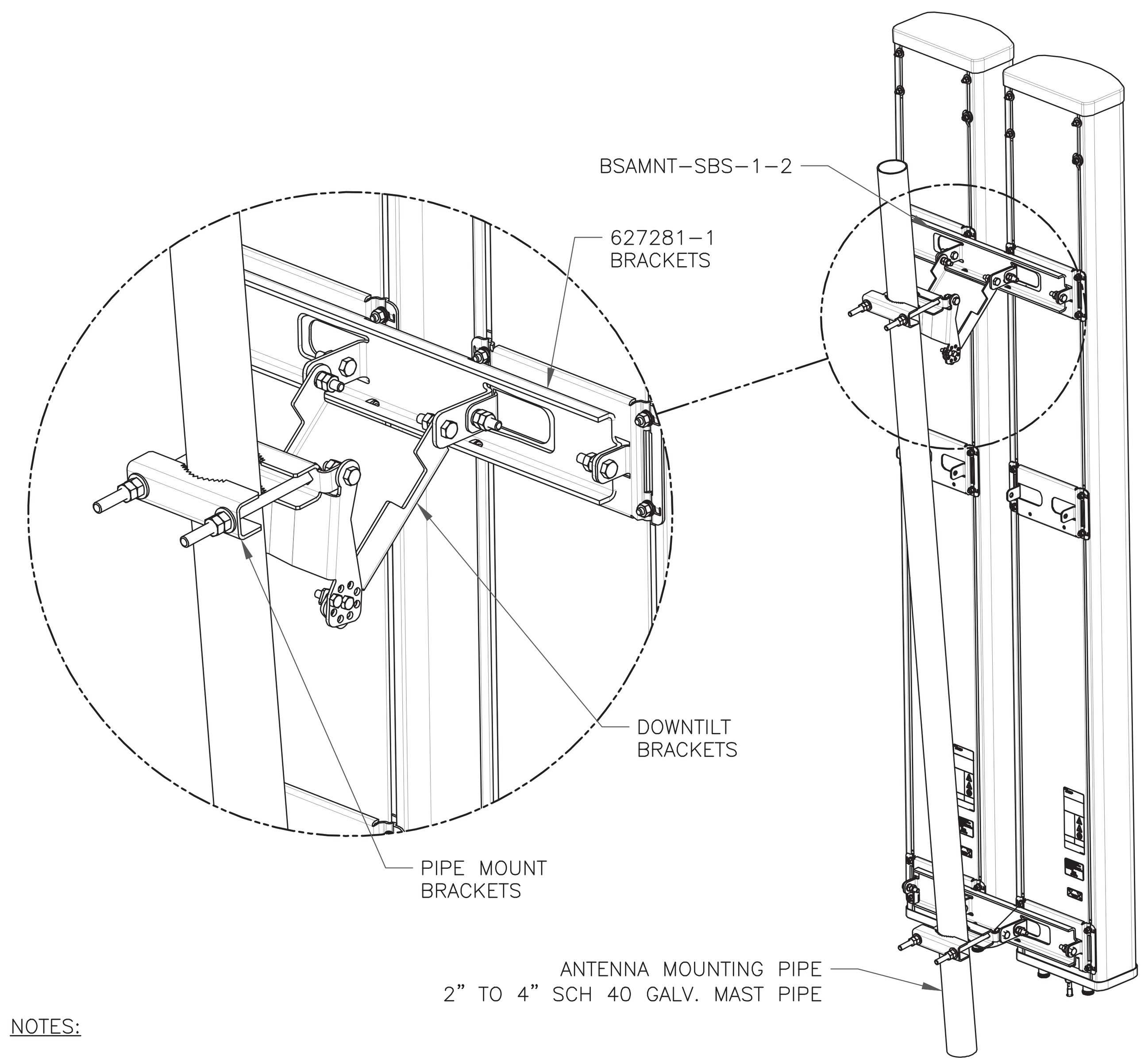
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
[illegible]
3/24/22

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: **C-3**
REVISION: **1**

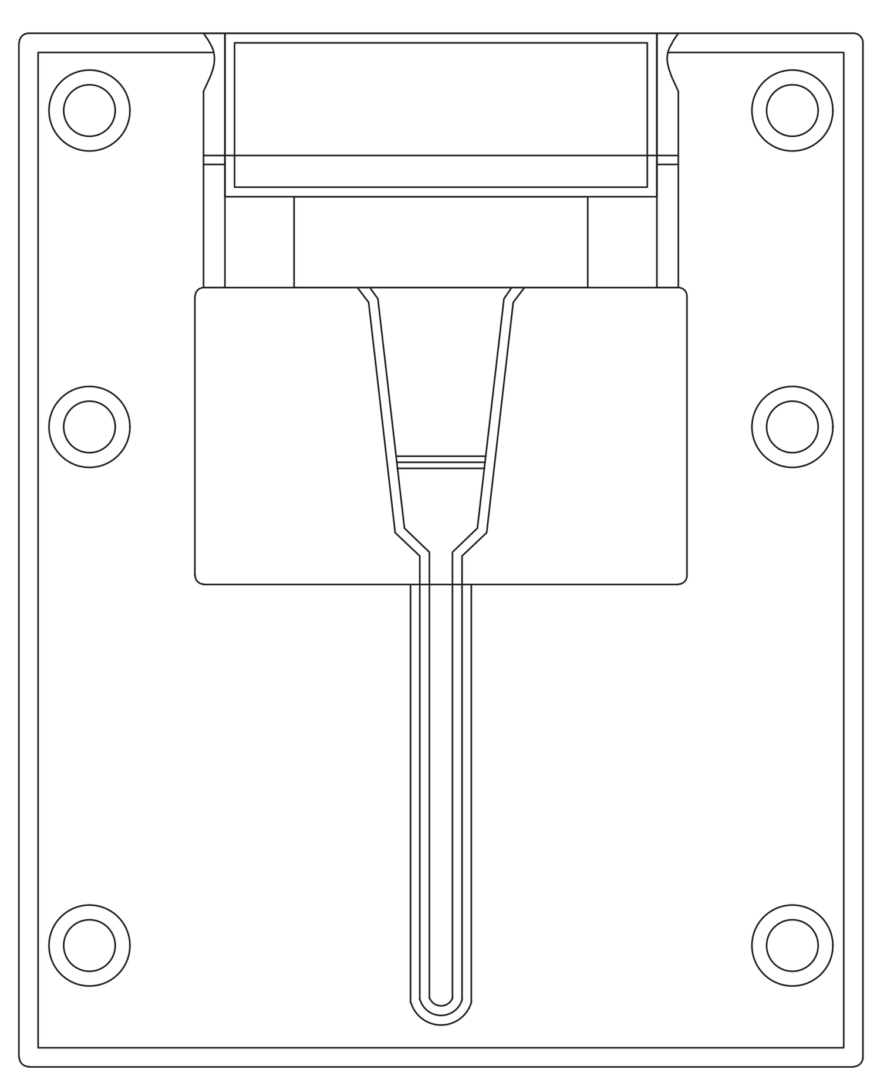


NOTES:

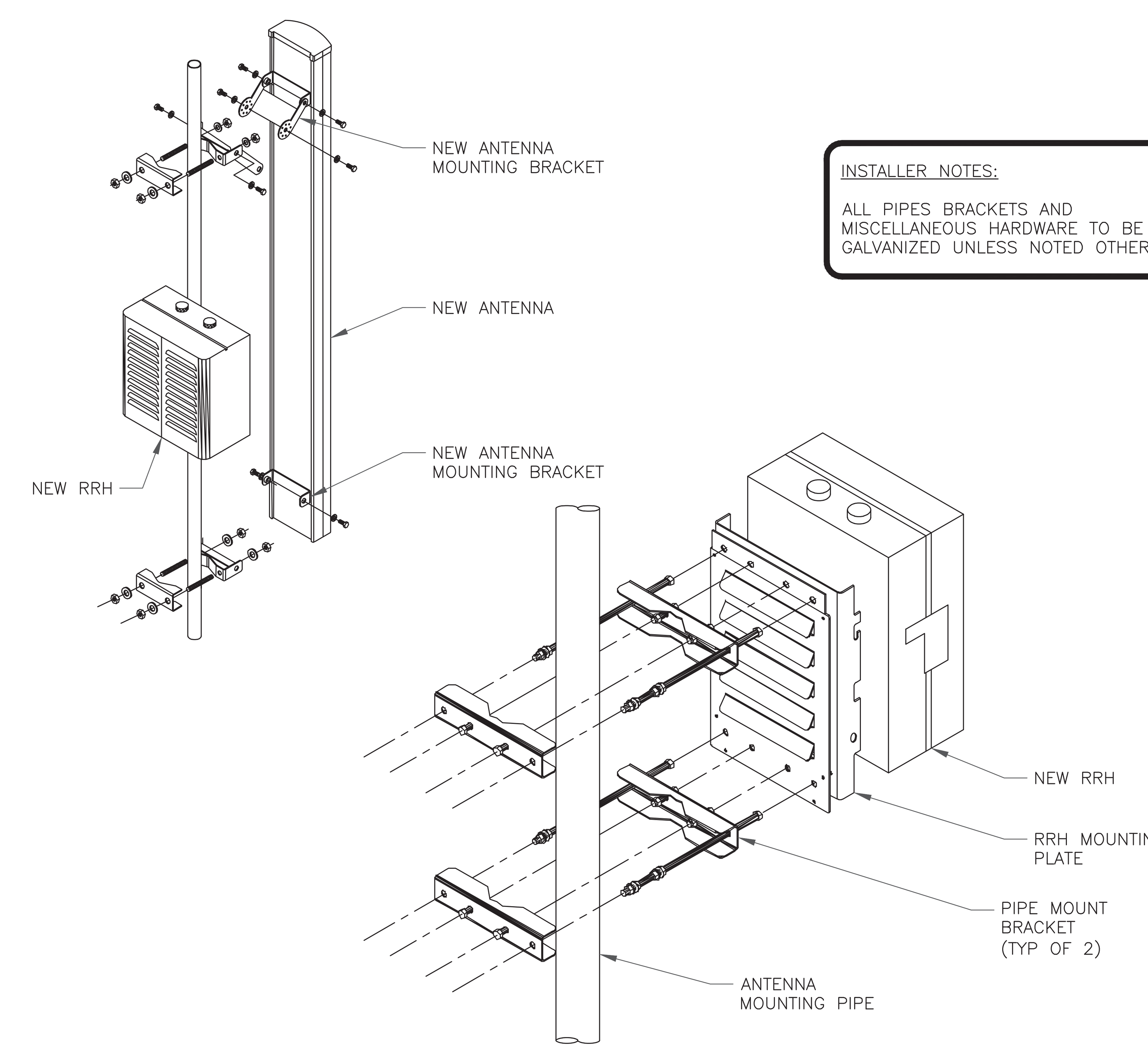
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

(2) NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

(4) ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **876341**
MIDDLETOWN 2 - MARINO PROPERTY

1969 SAYBROOK RD
MIDDLETOWN, CT 06457

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	3/24/22	JHW	CONSTRUCTION	CMV

3/24/22

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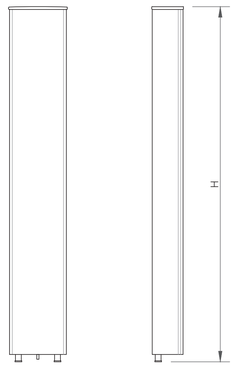
PEC.0001564
Expires 2/10/23

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

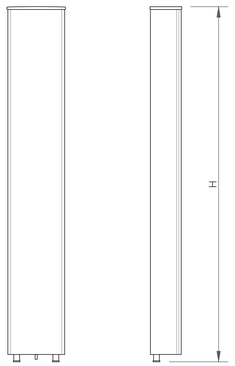
SHEET NUMBER: C-4
REVISION: 1

RUSH_79732.009.01_876341_MIDDLETOWN 2-MARINO PROPERTY.dwg – Sheet:C-4 – User: jackie.weeter – Mar 24, 2022 – 2:21pm



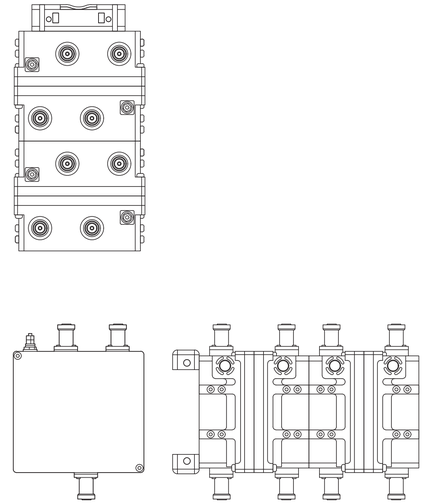
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	JAHH-65B-R3B
WIDTH	13.80 "
DEPTH	8.20"
HEIGHT	72.00"
WEIGHT	63.30 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



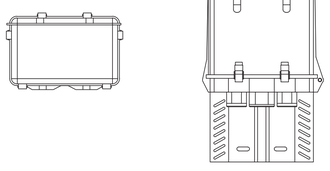
ANTENNA SPECS	
MANUFACTURER	VZW
MODEL #	SUB6 ANTENNA - VZS01
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.10 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



COMMSCOPE - CBC78T-DS-43-2X
WEIGHT (WITHOUT MOUNTING HARDWARE): 20.7 LBS
SIZE (HxWxD): 6.4x6.9x9.6 IN.

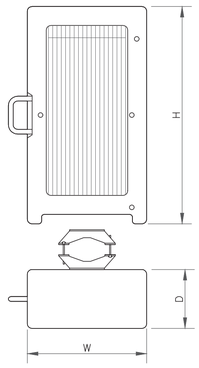
3 DIPLEXER SPECS
SCALE: NOT TO SCALE



RAYCAP - RVZDC-6627-PF-48
WEIGHT (WITHOUT MOUNTING HARDWARE): 32.0 LBS
SIZE (HxWxD): 29.5x16.5x12.6 IN.

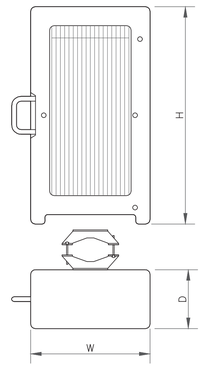
RATED WIND VELOCITY: 150 MPH (SUSTAINED)
OPERATING TEMPERATURE: -40° C TO +80° C
NOMINAL OPERATING DC VOLTAGE: 48 VDC

4 OVP SPECS
SCALE: NOT TO SCALE



RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15.0"
DEPTH	10.00"
HEIGHT	15.0"
WEIGHT	84.40 LBS

5 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH-BR04C
WIDTH	15.0"
DEPTH	8.10"
HEIGHT	15.0"
WEIGHT	70.30 LBS

5 RRU SPECS
SCALE: NOT TO SCALE

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www.btgrp.com

VERIZON SITE NUMBER:
467257

BU #: **876341**
MIDDLETOWN 2 - MARINO PROPERTY

1969 SAYBROOK RD
MIDDLETOWN, CT 06457

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

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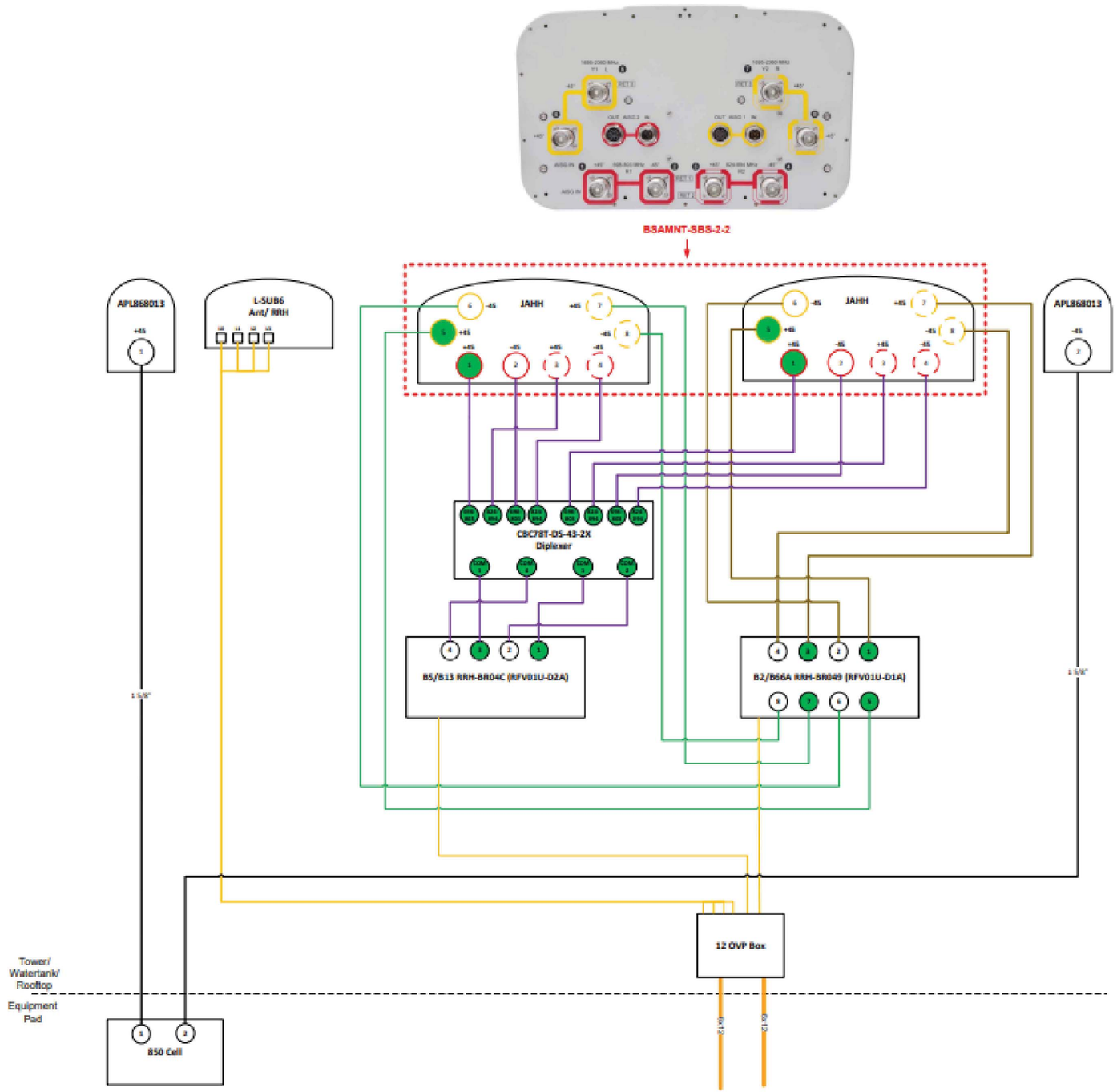
Expires 2/10/23

SHEET NUMBER: C-5

REVISION: 1



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

RET DC signal pass for RET
(Port that will control RET)

DC signal capable Port

AISG Cable

RET DC signal pass for RET
(Port that will control RET)

Hybriflex cables

Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **876341**
MIDDLETOWN 2 - MARINO PROPERTY

1969 SAYBROOK RD
MIDDLETOWN, CT 06457

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

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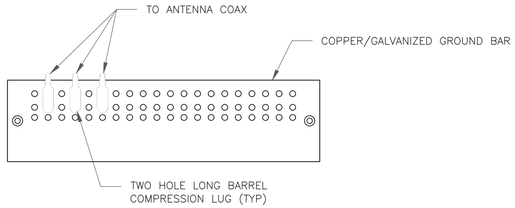
PEC.0001564
Expires 2/10/23

SHEET NUMBER: C-6

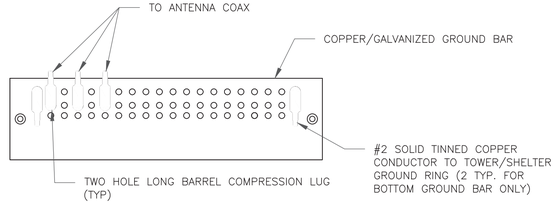
REVISION: 1



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.

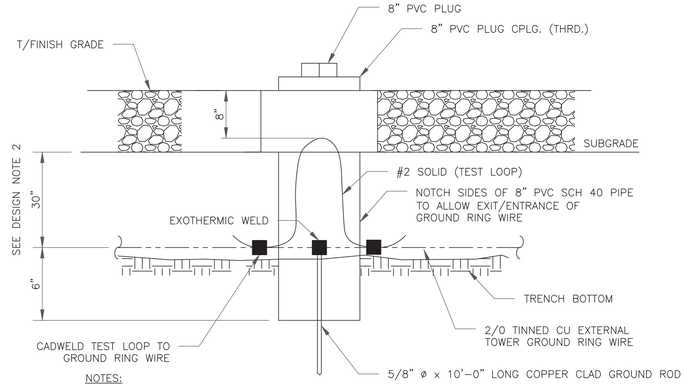
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

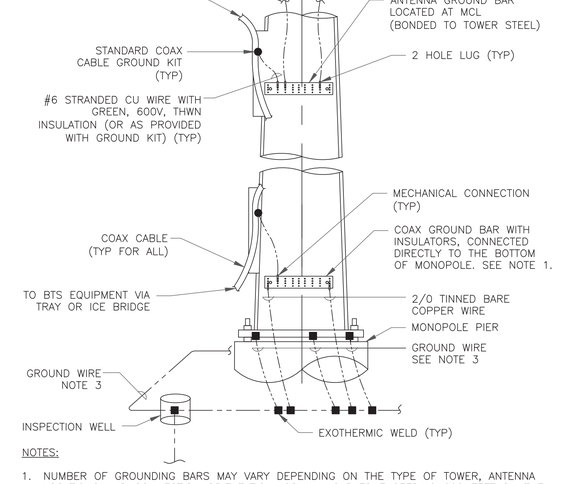
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

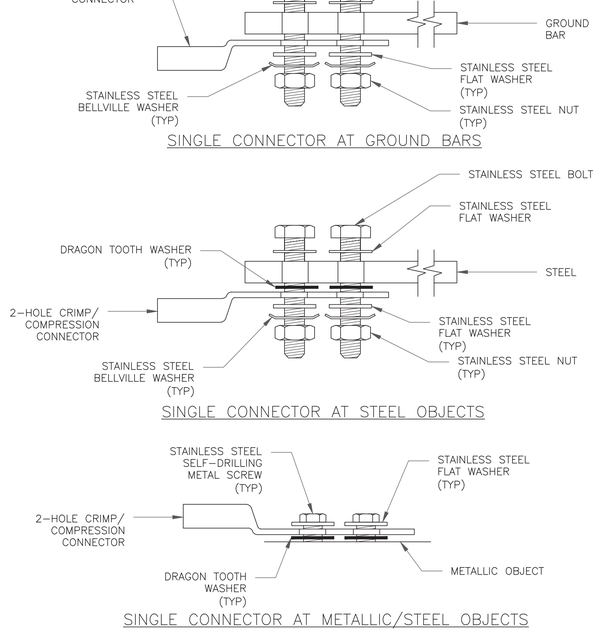
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



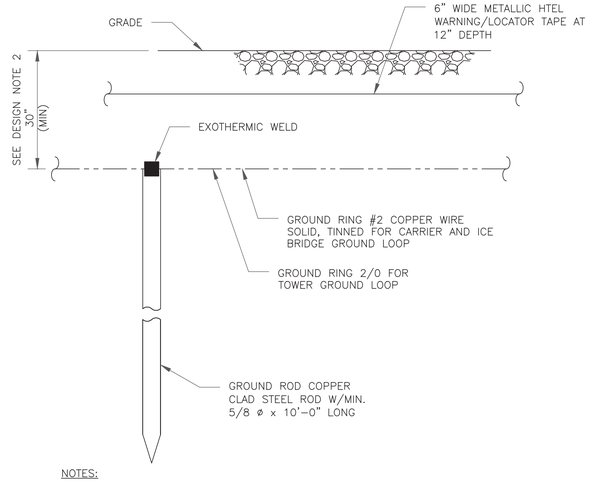
NOTES:

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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PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
467257

BU #: **876341**
MIDDLETOWN 2 - MARINO PROPERTY

1969 SAYBROOK RD
MIDDLETOWN, CT 06457

EXISTING 150'-0" MONOPOLE

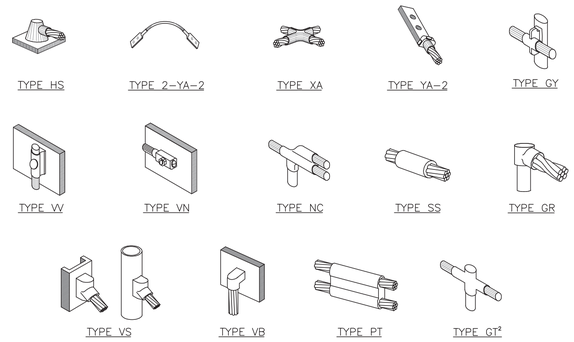
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

STATE OF CONNECTICUT
CHRISTOPHER M. VOLPE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/24/22

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: G-1
REVISION: 1

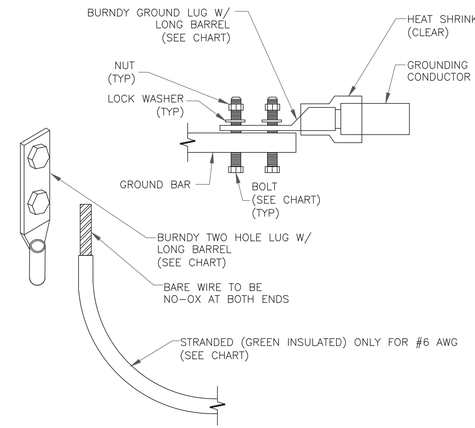


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

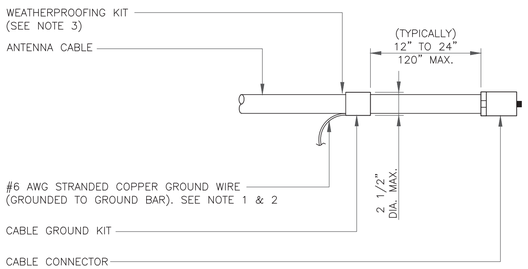
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

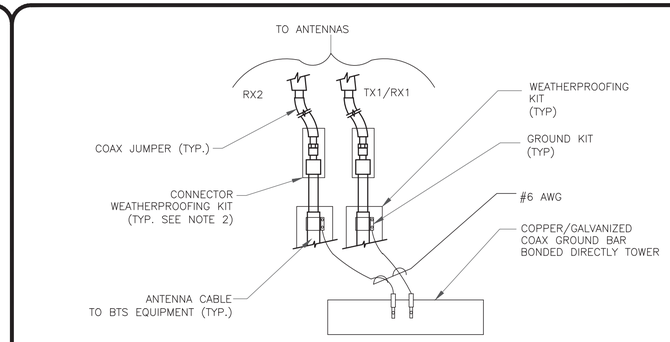
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

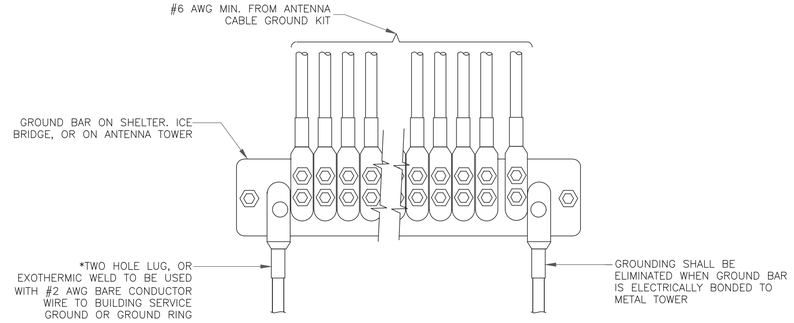
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



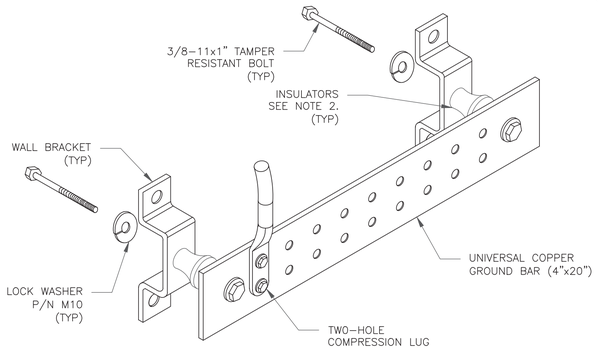
NOTES:

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



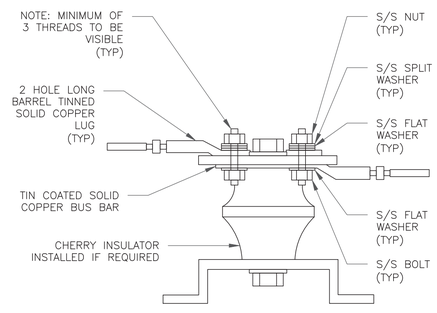
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



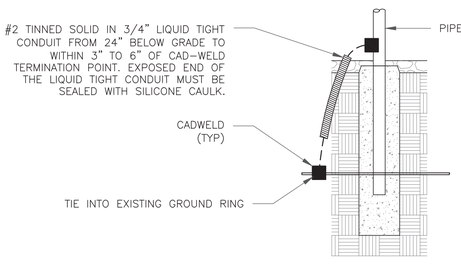
NOTES:

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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0	3/2/22	JHW	CONSTRUCTION	CMV
1	3/24/22	JHW	CONSTRUCTION	CMV

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: G-2
REVISION: 1

Exhibit D

Structural Analysis Report

Date: **May 04, 2021**

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	467257
	Site Name:	Middletown SE CT
Crown Castle Designation:	**BU Number:**	876341
	Site Name:	Middletown 2 - Marino Property
	JDE Job Number:	644638
	Work Order Number:	1953728
	Order Number:	552658 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	79732.004.01
Site Data:	**1969 Saybrook Rd, Middletown, Middlesex County, CT** **Latitude *41° 30' 38.3"*, Longitude *-72° 35' 36.1"*** **150 Foot - Monopole Tower**	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity – 88.4%**

This analysis utilizes an ultimate 3-second gust wind speed of 130 mph as required by the 2018 Connecticut State Building Code (2015 IBC). Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Mahsa Abdeveis

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

Chad E. Tuttle, P.E.

tnxTower Report - version 8.0.9.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 150 ft. Monopole tower designed by Summit.

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

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
141.0	145.0	1	Lucent	KS24019-L112A	10 2 1	1-5/8 1-1/2 1/2
	142.0	3	Commscope	CBC78T-DS-43-2X		
		6	Commscope	JAHH-65B-R3B		
		1	Raycap	RVZDC-6627-PF-48		
		6	RFS Celwave	APL868013-42T0		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		3	VZW	Sub6 Antenna - VZS01		
	141.0	1	--	Platform Mount [LP 1201-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
150.0	151.0	3	Alcatel Lucent	PCS 1900MHZ 4X45W-65MHZ	3 1	1-1/4 7/8
		6	Alcatel Lucent	RRH2X50-800		
		3	Alcatel Lucent	TD-RRH8X20-25		
		3	Commscope	NNVV-65B-R4		
		3	RFS Celwave	APXVTM14-ALU-I20		
	150.0	1	--	Platform Mount [LP 1201-1_HR-1]		
132.0	134.0	1	Raycap	DC6-48-60-18-8F	12 2 1	1-5/8 3/4 3/8
	133.0	3	CCI Antennas	OPA-65R-LCUU-H6		
		3	Ericsson	RRUS 11		
		6	Powerwave Tech.	7770.00		
		3	Powerwave Tech.	LGP21401		
	132.0	3	Ericsson	RRUS 12 B2		
		1	--	Platform Mount [LP 1201-1_HR-1]		
	129.0	3	Powerwave Tech.	LGP21401		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
	128.0	3	Ericsson	RRUS A2 B2		
121.0	121.0	3	Fujitsu	TA08025-B604	1	1-1/2
		3	Fujitsu	TA08025-B605		
		3	JMA Wireless	MX08FRO665-20		
		1	Raycap	RDIDC-9181-PF-48		
		3	Commscope	MC-K6MHDX-9-96 T-Frame		
111.0	111.0	1	--	Platform Mount [LP 303-1_HR-1]	12 1	1-5/8 1-1/4
	110.0	3	Ericsson	KRY 112 144/1		
		3	Ericsson	KRY 112 489/2		
		3	Ericsson	RADIO 4449 B12/B71		
		3	RFS Celwave	APXVAARR24_43-U-NA20		
104.0	104.0	1	Lucent	KS24019-L112A	1	1/2
		1	--	Side Arm Mount [SO 701-1]		
88.0	95.0	2	Sinclair	SC479-HF1LDF	2 1	7/8 1/2
	88.0	1	Bird Tech. Group	428E-83I-01-T		
		2	--	Side Arm Mount [SO 306-1]		
82.0	92.0	1	RFI Antennas	BA80-41-DIN	1	7/8
	82.0	1	--	Side Arm Mount [SO 306-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	1614554	CCI Sites
Tower Modification Drawing	1595639	CCI Sites
Post Modification Inspection	2504220	CCI Sites
Tower Modification Drawing	5069317	CCI Sites
Post Modification Inspection	5311239	CCI Sites
Tower Modification Drawing	5570674	CCI Sites
Post Modification Inspection	5810606	CCI Sites
Foundation Drawing	1613596	CCI Sites
Geotech Report	1532967	CCI Sites
Crown CAD Package	Date: 04/14/2021	CCI Sites

3.1) Analysis Method

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	150 - 145	Pole	TP23x22x0.25	1	-4.547	--	5.8	Pass
L2	145 - 140	Pole	TP24x23x0.25	2	-9.010	--	11.5	Pass
L3	140 - 135	Pole	TP25x24x0.25	3	-9.476	--	18.5	Pass
L4	135 - 130	Pole	TP26x25x0.25	4	-13.768	--	26.8	Pass
L5	130 - 125	Pole	TP27.001x26x0.25	5	-14.369	--	35.4	Pass
L6	125 - 120	Pole	TP28.001x27.001x0.25	6	-17.317	--	43.9	Pass
L7	120 - 115	Pole	TP29.001x28.001x0.25	7	-18.000	--	52.6	Pass
L8	115 - 111.75	Pole	TP30.401x29.001x0.25	8	-18.478	--	57.9	Pass
L9	111.75 - 106.75	Pole	TP30.151x29.151x0.313	9	-22.507	--	50.7	Pass
L10	106.75 - 101.75	Pole	TP31.151x30.151x0.313	10	-23.531	--	56.8	Pass
L11	101.75 - 96.75	Pole	TP32.152x31.151x0.313	11	-24.507	--	62.4	Pass
L12	96.75 - 91.75	Pole	TP33.152x32.152x0.313	12	-25.514	--	67.7	Pass
L13	91.75 - 89.5	Pole	TP33.602x33.152x0.313	13	-25.975	--	69.9	Pass
L14	89.5 - 89.25	Pole + Reinf.	TP33.652x33.602x0.5	14	-26.056	--	58.6	Pass
L15	89.25 - 84.25	Pole + Reinf.	TP34.652x33.652x0.494	15	-27.862	--	62.9	Pass
L16	84.25 - 79.25	Pole + Reinf.	TP35.653x34.652x0.488	16	-29.459	--	67.0	Pass
L17	79.25 - 74.5	Pole + Reinf.	TP37.553x35.653x0.481	17	-30.819	--	70.6	Pass
L18	74.5 - 68.75	Pole	TP37.128x35.978x0.375	18	-33.268	--	67.3	Pass
L19	68.75 - 67.42	Pole	TP37.395x37.128x0.375	19	-33.608	--	68.0	Pass
L20	67.42 - 67.17	Pole	TP37.445x37.395x0.375	20	-33.688	--	68.2	Pass
L21	67.17 - 62.17	Pole	TP38.445x37.445x0.375	21	-34.990	--	71.0	Pass
L22	62.17 - 57.58	Pole	TP39.362x38.445x0.375	22	-36.218	--	73.4	Pass
L23	57.58 - 57.33	Pole + Reinf.	TP39.412x39.362x0.7	23	-36.342	--	56.4	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L24	57.33 - 56.42	Pole + Reinf.	TP39.595x39.412x0.7	24	-36.729	--	56.7	Pass
L25	56.42 - 56.17	Pole + Reinf.	TP39.645x39.595x0.588	25	-36.824	--	68.0	Pass
L26	56.17 - 51.17	Pole + Reinf.	TP40.645x39.645x0.575	26	-38.627	--	70.2	Pass
L27	51.17 - 46.17	Pole + Reinf.	TP41.645x40.645x0.575	27	-40.466	--	72.2	Pass
L28	46.17 - 41.17	Pole + Reinf.	TP42.645x41.645x0.563	28	-42.335	--	74.1	Pass
L29	41.17 - 38	Pole + Reinf.	TP44.379x42.645x0.563	29	-43.534	--	75.3	Pass
L30	38 - 31.5	Pole	TP43.829x42.529x0.438	30	-47.278	--	70.8	Pass
L31	31.5 - 26.5	Pole	TP44.829x43.829x0.438	31	-48.941	--	72.3	Pass
L32	26.5 - 26.25	Pole + Reinf.	TP44.879x44.829x0.688	32	-49.068	--	65.3	Pass
L33	26.25 - 21.25	Pole + Reinf.	TP45.879x44.879x0.688	33	-51.361	--	66.5	Pass
L34	21.25 - 16.25	Pole + Reinf.	TP46.88x45.879x0.675	34	-53.693	--	67.6	Pass
L35	16.25 - 11.25	Pole + Reinf.	TP47.88x46.88x0.675	35	-56.056	--	68.7	Pass
L36	11.25 - 6.25	Pole + Reinf.	TP48.88x47.88x0.663	36	-58.452	--	69.7	Pass
L37	6.25 - 1.25	Pole + Reinf.	TP49.88x48.88x0.663	37	-60.877	--	70.6	Pass
L38	1.25 - 0	Pole + Reinf.	TP50.13x49.88x0.663	38	-61.487	--	70.8	Pass
							Summary	
						Pole	73.6	Pass
						Reinforcement	75.3	Pass
						Rating =	75.3	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	Base	74.9	Pass
1,2	Base Plate	Base	76.1	Pass
1,2	Base Foundation (Structure)	Base	88.4	Pass
1,2	Base Foundation (Soil Interaction)	Base	44.9	Pass

Structure Rating (max from all components) =	88.4%

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

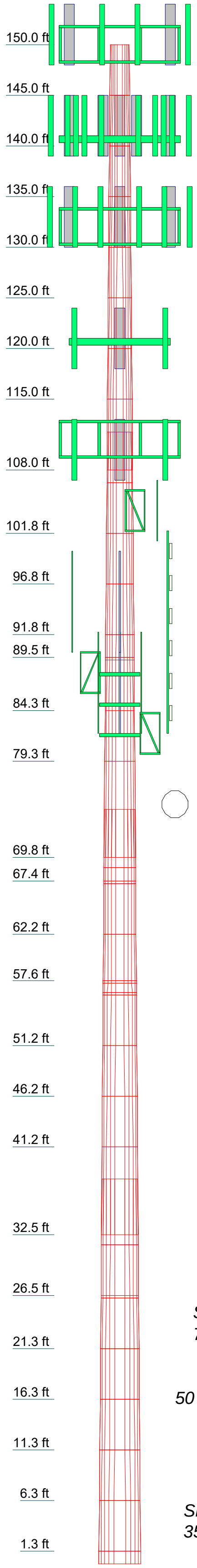
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.000	12	0.250		22.000	23.000		0.3
2	5.000	12	0.250		23.000	24.000		0.3
3	5.000	12	0.250		24.000	25.000		0.3
4	5.000	12	0.250		25.000	26.000		0.3
5	5.000	12	0.250		26.000	27.001		0.4
6	5.000	12	0.250		27.001	28.001		0.4
7	5.000	12	0.250		28.001	29.001		0.4
8	7.000	12	0.250	3.750	29.001	30.401		0.6
9	5.000	12	0.313		29.151	30.151	A607-60	0.5
10	5.000	12	0.313		30.151	31.151		0.5
11	5.000	12	0.313		31.151	32.152		0.5
12	5.000	12	0.313		32.152	33.152		0.6
13	[illegible]	12	[illegible]		[illegible]	[illegible]		0.3
14	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
15	5.000	12	0.494		33.653	34.653		0.9
16	5.000	12	0.487		34.652	35.653		0.9
17	9.500	12	0.481	4.750	35.653	37.553		1.8
18	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
19	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
20	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
21	5.000	12	0.375		[illegible]	[illegible]		0.8
22	[illegible]	12	0.375		[illegible]	[illegible]		0.7
23	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
24	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
25	[illegible]	12	[illegible]		[illegible]	[illegible]		[illegible]
26	5.000	12	0.575		[illegible]	[illegible]		1.2
27	5.000	12	0.575		40.645	41.645		1.2
28	5.000	12	0.563		41.645	42.645		1.3
29	8.667	12	0.563	5.500	42.645	44.379		2.2
30	6.500	12	0.438		42.529	43.829	A607-65	1.3
31	5.000	12	0.438		[illegible]	[illegible]		1.1
32	0.250	12	0.688		[illegible]	[illegible]		0.1
33	5.000	12	0.688		44.879	45.879		1.6
34	5.000	12	0.675		45.879	46.880		1.6
35	5.000	12	0.675		46.880	47.880		1.7
36	5.000	12	0.662		47.880	48.880		1.7
37	5.000	12	0.662		48.880	49.880		1.7
38	1.250	12	0.662		[illegible]	[illegible]		0.4
								29.2



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-60	60 ksi	75 ksi	A607-65	65 ksi	80 ksi

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 130 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 75.3%

ALL REACTIONS ARE FACTORED

AXIAL 99 K
SHEAR 7 K
MOMENT 861 kip-ft
TORQUE 1 kip-ft
50 mph WIND - 1.500 in ICE

AXIAL 61 K
SHEAR 35 K
MOMENT 3785 kip-ft
TORQUE 4 kip-ft
REACTIONS - 130 mph WIND

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Job: **79732.004.01 - MIDDLETOWN 2 - MARINO PROPERTY, CT (BU# 87634**		
Project:		
Client: Crown Castle	Drawn by: Regan	App'd:
Code: TIA-222-H	Date: 05/03/21	Scale: NTS
Path:		Dwg No. E-1

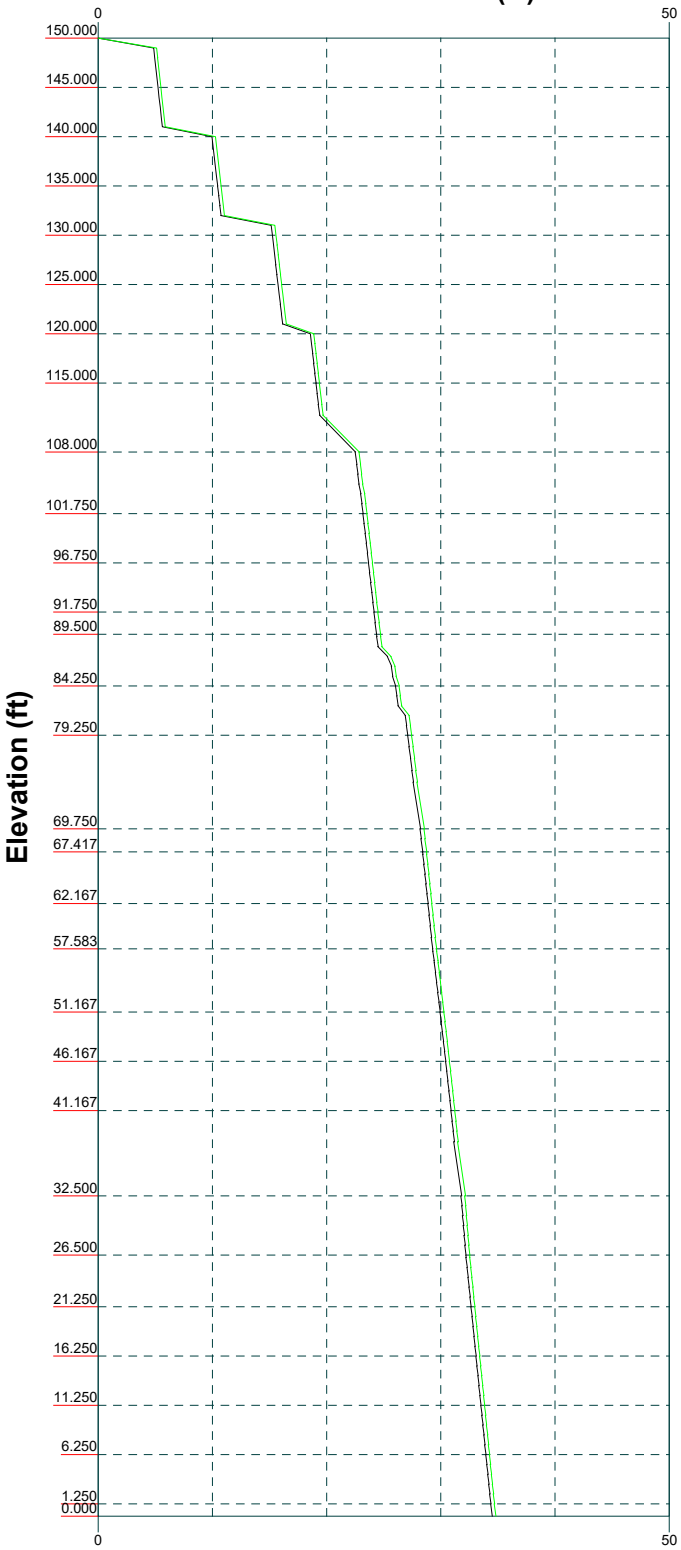
TIA-222-H - 130 mph/50 mph 1.500 in Ice Exposure B

Vx Vz

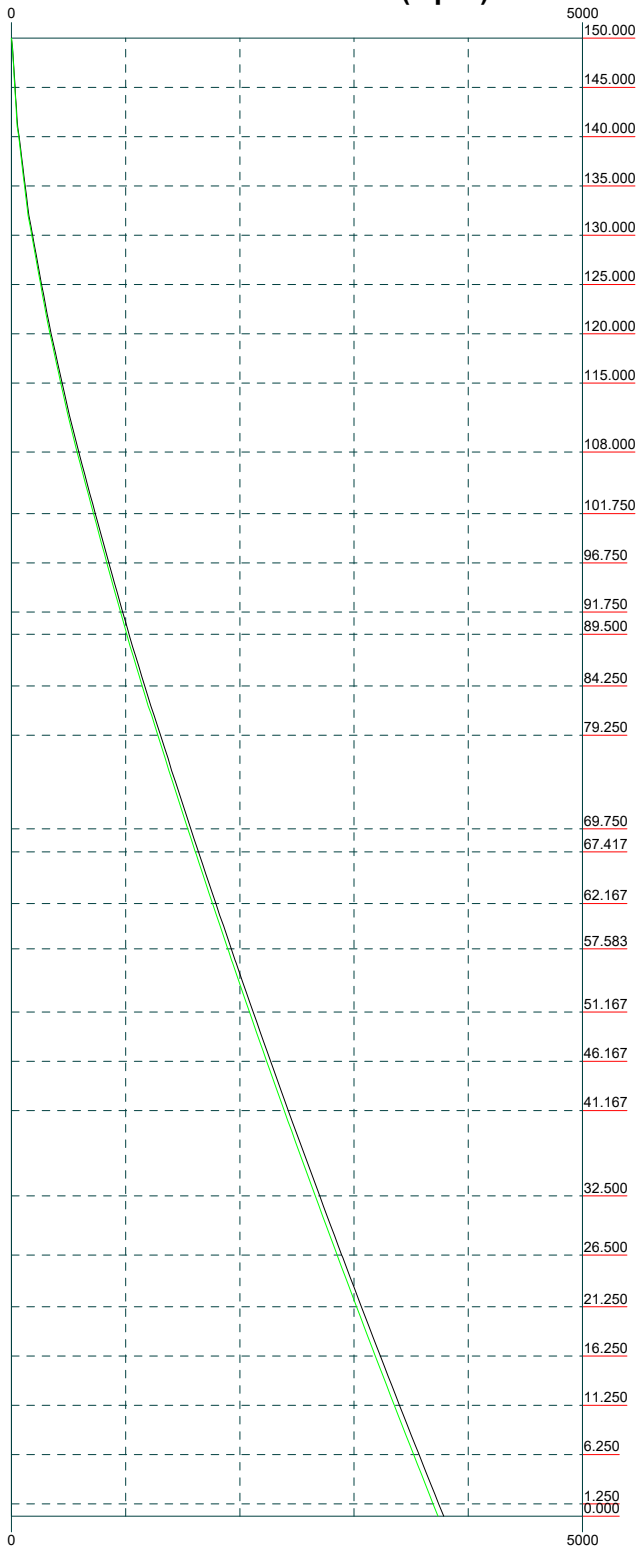
Maximum Values

Mx Mz

Global Mast Shear (K)



Global Mast Moment (kip-ft)



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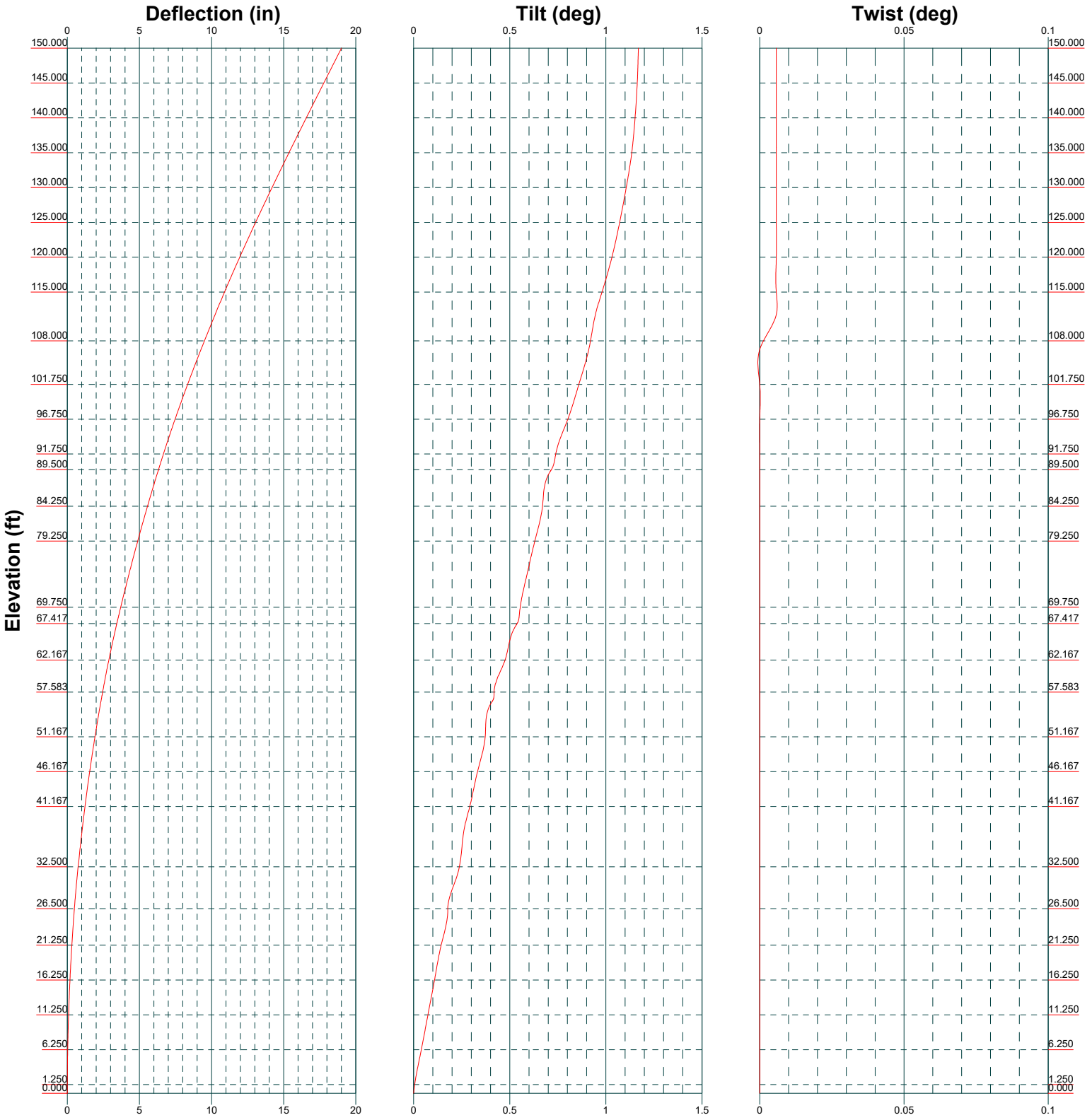
Job: *79732.004.01 - MIDDLETOWN 2 - MARINO PROPERTY, CT (BU# 87634*			
Project:			
Client: Crown Castle	Drawn by: Regan	App'd:	
Code: TIA-222-H	Date: 05/03/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



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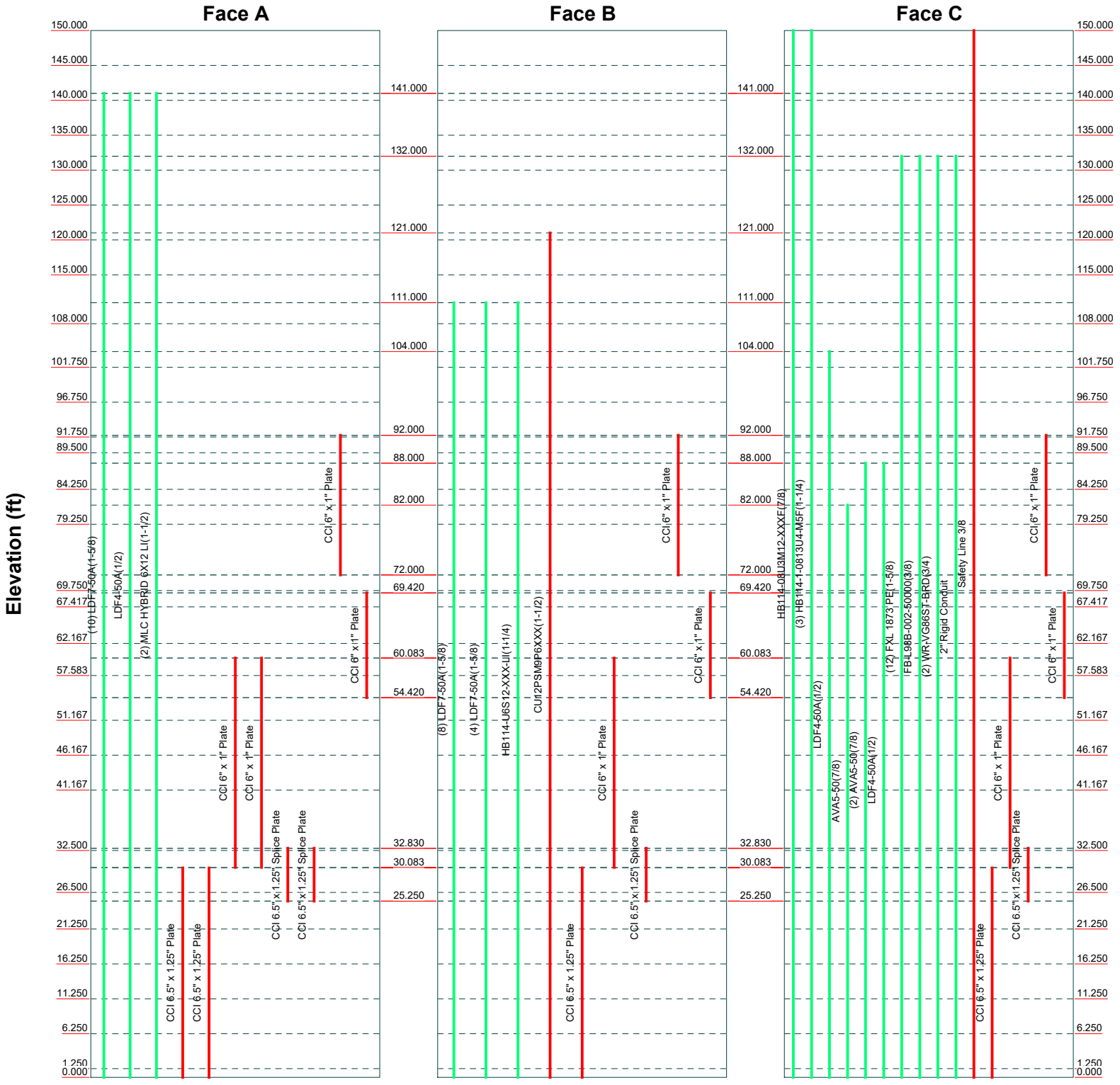
Job: 79732.004.01 - MIDDLETOWN 2 - MARINO PROPERTY, CT (BU# 87634			
Project:			
Client: Crown Castle	Drawn by: Regan	App'd:	
Code: TIA-222-H	Date: 05/03/21	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 150'

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



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Job: 79732.004.01 - MIDDLETOWN 2 - MARINO PROPERTY, CT (BU# 87634			
Project:			
Client: Crown Castle	Drawn by: Regan	App'd:	
Code: TIA-222-H	Date: 05/03/21	Scale: NTS	
Path:		Dwg No. E-7	

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 Middlesex County, Connecticut.
Tower base elevation above sea level: 370.000 ft.
Basic wind speed of 130 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
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	150.000-145.000	5.000	0.000	12	22.000	23.000	0.250	1.000	A607-60 (60 ksi)
L2	145.000-140.000	5.000	0.000	12	23.000	24.000	0.250	1.000	A607-60 (60 ksi)
L3	140.000-135.000	5.000	0.000	12	24.000	25.000	0.250	1.000	A607-60 (60 ksi)
L4	135.000-130.000	5.000	0.000	12	25.000	26.000	0.250	1.000	A607-60 (60 ksi)
L5	130.000-125.000	5.000	0.000	12	26.000	27.001	0.250	1.000	A607-60 (60 ksi)
L6	125.000-120.000	5.000	0.000	12	27.001	28.001	0.250	1.000	A607-60 (60 ksi)
L7	120.000-115.000	5.000	0.000	12	28.001	29.001	0.250	1.000	A607-60 (60 ksi)
L8	115.000-108.000	7.000	3.750	12	29.001	30.401	0.250	1.000	A607-60 (60 ksi)
L9	108.000-106.750	5.000	0.000	12	29.151	30.151	0.313	1.250	A607-60 (60 ksi)
L10	106.750-101.750	5.000	0.000	12	30.151	31.151	0.313	1.250	A607-60 (60 ksi)
L11	101.750-96.750	5.000	0.000	12	31.151	32.152	0.313	1.250	A607-60 (60 ksi)
L12	96.750-91.750	5.000	0.000	12	32.152	33.152	0.313	1.250	A607-60 (60 ksi)
L13	91.750-89.500	2.250	0.000	12	33.152	33.602	0.313	1.250	A607-60 (60 ksi)
L14	89.500-89.250	0.250	0.000	12	33.602	33.652	0.500	2.000	A607-60 (60 ksi)
L15	89.250-84.250	5.000	0.000	12	33.652	34.652	0.494	1.975	A607-60 (60 ksi)
L16	84.250-79.250	5.000	0.000	12	34.652	35.653	0.487	1.950	A607-60 (60 ksi)
L17	79.250-69.750	9.500	4.750	12	35.653	37.553	0.481	1.925	A607-60 (60 ksi)
L18	69.750-68.750	5.750	0.000	12	35.978	37.128	0.375	1.500	A607-65 (65 ksi)
L19	68.750-67.417	1.333	0.000	12	37.128	37.395	0.375	1.500	A607-65 (65 ksi)
L20	67.417-67.167	0.250	0.000	12	37.395	37.445	0.375	1.500	A607-65 (65 ksi)
L21	67.167-62.167	5.000	0.000	12	37.445	38.445	0.375	1.500	A607-65 (65 ksi)
L22	62.167-57.583	4.584	0.000	12	38.445	39.362	0.375	1.500	A607-65 (65 ksi)
L23	57.583-57.333	0.250	0.000	12	39.362	39.412	0.700	2.800	A607-65 (65 ksi)
L24	57.333-56.417	0.916	0.000	12	39.412	39.595	0.700	2.800	A607-65 (65 ksi)
L25	56.417-56.167	0.250	0.000	12	39.595	39.645	0.588	2.350	A607-65 (65 ksi)
L26	56.167-51.167	5.000	0.000	12	39.645	40.645	0.575	2.300	A607-65 (65 ksi)
L27	51.167-46.167	5.000	0.000	12	40.645	41.645	0.575	2.300	A607-65 (65 ksi)
L28	46.167-41.167	5.000	0.000	12	41.645	42.645	0.563	2.250	A607-65 (65 ksi)
L29	41.167-32.500	8.667	5.500	12	42.645	44.379	0.563	2.250	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	32.500-31.500	6.500	0.000	12	42.529	43.829	0.438	1.750	A607-65 (65 ksi)
L31	31.500-26.500	5.000	0.000	12	43.829	44.829	0.438	1.750	A607-65 (65 ksi)
L32	26.500-26.250	0.250	0.000	12	44.829	44.879	0.688	2.750	A607-65 (65 ksi)
L33	26.250-21.250	5.000	0.000	12	44.879	45.879	0.688	2.750	A607-65 (65 ksi)
L34	21.250-16.250	5.000	0.000	12	45.879	46.880	0.675	2.700	A607-65 (65 ksi)
L35	16.250-11.250	5.000	0.000	12	46.880	47.880	0.675	2.700	A607-65 (65 ksi)
L36	11.250-6.250	5.000	0.000	12	47.880	48.880	0.662	2.650	A607-65 (65 ksi)
L37	6.250-1.250	5.000	0.000	12	48.880	49.880	0.662	2.650	A607-65 (65 ksi)
L38	1.250-0.000	1.250		12	49.880	50.130	0.662	2.650	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	22.688	17.509	1057.206	7.786	11.396	92.770	2142.186	8.617	5.226	20.904
	23.723	18.314	1209.854	8.145	11.914	101.548	2451.492	9.014	5.494	21.976
L2	23.723	18.314	1209.854	8.145	11.914	101.548	2451.492	9.014	5.494	21.976
	24.759	19.119	1376.530	8.503	12.432	110.724	2789.223	9.410	5.762	23.048
L3	24.759	19.119	1376.530	8.503	12.432	110.724	2789.223	9.410	5.762	23.048
	25.794	19.924	1557.852	8.861	12.950	120.296	3156.631	9.806	6.030	24.12
L4	25.794	19.924	1557.852	8.861	12.950	120.296	3156.631	9.806	6.030	24.12
	26.829	20.729	1754.436	9.219	13.468	130.265	3554.964	10.202	6.298	25.193
L5	26.829	20.729	1754.436	9.219	13.468	130.265	3554.964	10.202	6.298	25.193
	27.865	21.534	1966.900	9.577	13.986	140.630	3985.472	10.598	6.566	26.265
L6	27.865	21.534	1966.900	9.577	13.986	140.630	3985.472	10.598	6.566	26.265
	28.900	22.339	2195.858	9.935	14.504	151.393	4449.404	10.995	6.834	27.337
L7	28.900	22.339	2195.858	9.935	14.504	151.393	4449.404	10.995	6.834	27.337
	29.936	23.144	2441.930	10.293	15.022	162.552	4948.011	11.391	7.102	28.409
L8	29.936	23.144	2441.930	10.293	15.022	162.552	4948.011	11.391	7.102	28.409
	31.385	24.272	2816.352	10.794	15.748	178.842	5706.693	11.946	7.477	29.91
L9	30.846	29.019	3080.391	10.324	15.100	203.997	6241.707	14.282	6.975	22.32
	31.105	30.025	3412.163	10.682	15.618	218.472	6913.967	14.777	7.243	23.178
L10	31.105	30.025	3412.163	10.682	15.618	218.472	6913.967	14.777	7.243	23.178
	32.140	31.032	3766.941	11.040	16.136	233.443	7632.844	15.273	7.511	24.035
L11	32.140	31.032	3766.941	11.040	16.136	233.443	7632.844	15.273	7.511	24.035
	33.176	32.038	4145.496	11.398	16.655	248.911	8399.899	15.768	7.779	24.893
L12	33.176	32.038	4145.496	11.398	16.655	248.911	8399.899	15.768	7.779	24.893
	34.211	33.045	4548.600	11.757	17.173	264.874	9216.696	16.264	8.047	25.751
L13	34.211	33.045	4548.600	11.757	17.173	264.874	9216.696	16.264	8.047	25.751
	34.677	33.498	4738.210	11.918	17.406	272.220	9600.899	16.486	8.168	26.137
L14	34.611	53.294	7453.757	11.851	17.406	428.233	15103.332	26.230	7.665	15.331
	34.663	53.375	7487.593	11.868	17.432	429.538	15171.893	26.269	7.679	15.357
L15	34.665	52.718	7398.180	11.871	17.432	424.408	14990.719	25.946	7.695	15.586
	35.701	54.308	8088.098	12.229	17.950	450.593	16388.679	26.729	7.964	16.129
L16	35.703	53.630	7990.101	12.231	17.950	445.134	16190.111	26.395	7.980	16.37
	36.738	55.200	8712.631	12.589	18.468	471.769	17654.153	27.168	8.248	16.92
L17	36.740	54.502	8605.517	12.591	18.468	465.969	17437.111	26.824	8.265	17.174

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
	38.708	57.447	10077.245	13.272	19.452	518.045	20419.231	28.274	8.774	18.233
L18	38.098	42.990	6955.434	12.746	18.636	373.216	14093.595	21.159	8.637	23.032
	38.305	44.379	7651.544	13.158	19.232	397.849	15504.103	21.842	8.945	23.854
L19	38.305	44.379	7651.544	13.158	19.232	397.849	15504.103	21.842	8.945	23.854
	38.581	44.701	7819.289	13.253	19.370	403.672	15844.000	22.001	9.017	24.045
L20	38.581	44.701	7819.289	13.253	19.370	403.672	15844.000	22.001	9.017	24.045
	38.633	44.762	7851.020	13.271	19.396	404.769	15908.295	22.030	9.030	24.08
L21	38.633	44.762	7851.020	13.271	19.396	404.769	15908.295	22.030	9.030	24.08
	39.669	45.969	8503.787	13.629	19.914	427.018	17230.978	22.625	9.298	24.795
L22	39.669	45.969	8503.787	13.629	19.914	427.018	17230.978	22.625	9.298	24.795
	40.618	47.076	9133.164	13.957	20.389	447.938	18506.266	23.170	9.544	25.45
L23	40.503	87.143	16625.756	13.841	20.389	815.414	33688.290	42.889	8.673	12.39
	40.555	87.256	16690.354	13.859	20.415	817.544	33819.182	42.945	8.686	12.409
L24	40.555	87.256	16690.354	13.859	20.415	817.544	33819.182	42.945	8.686	12.409
	40.745	87.669	16928.470	13.924	20.510	825.370	34301.670	43.148	8.735	12.479
L25	40.784	73.792	14331.464	13.965	20.510	698.750	29039.432	36.318	9.037	15.382
	40.836	73.887	14386.654	13.983	20.536	700.556	29151.261	36.365	9.050	15.405
L26	40.841	72.338	14094.078	13.987	20.536	686.309	28558.424	35.603	9.084	15.798
	41.876	74.190	15204.402	14.345	21.054	722.157	30808.240	36.514	9.352	16.264
L27	41.876	74.190	15204.402	14.345	21.054	722.157	30808.240	36.514	9.352	16.264
	42.911	76.041	16371.559	14.703	21.572	758.919	33173.218	37.425	9.620	16.73
L28	42.916	74.411	16030.284	14.708	21.572	743.099	32481.701	36.623	9.653	17.162
	43.951	76.223	17229.776	15.066	22.090	779.971	34912.197	37.514	9.921	17.638
L29	43.951	76.223	17229.776	15.066	22.090	779.971	34912.197	37.514	9.921	17.638
	45.746	79.363	19448.110	15.686	22.988	846.000	39407.143	39.060	10.386	18.464
L30	45.014	59.296	13409.052	15.069	22.030	608.674	27170.375	29.184	10.225	23.372
	45.221	61.128	14690.446	15.534	22.703	647.058	29766.826	30.085	10.574	24.168
L31	45.221	61.128	14690.446	15.534	22.703	647.058	29766.826	30.085	10.574	24.168
	46.256	62.537	15729.862	15.892	23.222	677.383	31872.965	30.779	10.842	24.781
L32	46.168	97.719	24303.084	15.803	23.222	1046.576	49244.637	48.094	10.172	14.795
	46.220	97.829	24385.776	15.821	23.247	1048.967	49412.193	48.149	10.185	14.815
L33	46.220	97.829	24385.776	15.821	23.247	1048.967	49412.193	48.149	10.185	14.815
	47.255	100.043	26079.238	16.179	23.766	1097.357	52843.606	49.238	10.453	15.205
L34	47.260	98.252	25626.323	16.183	23.766	1078.299	51925.877	48.356	10.487	15.536
	48.295	100.425	27365.193	16.541	24.284	1126.901	55449.299	49.426	10.755	15.933
L35	48.295	100.425	27365.193	16.541	24.284	1126.901	55449.299	49.426	10.755	15.933
	49.331	102.599	29180.996	16.899	24.802	1176.574	59128.609	50.496	11.023	16.33
L36	49.335	100.726	28663.365	16.904	24.802	1155.703	58079.749	49.574	11.056	16.689
	50.370	102.860	30523.660	17.262	25.320	1205.528	61849.211	50.624	11.324	17.093
L37	50.370	102.860	30523.660	17.262	25.320	1205.528	61849.211	50.624	11.324	17.093
	51.406	104.993	32462.753	17.620	25.838	1256.404	65778.338	51.674	11.592	17.498
L38	51.406	104.993	32462.753	17.620	25.838	1256.404	65778.338	51.674	11.592	17.498
	51.665	105.527	32960.030	17.709	25.967	1269.288	66785.956	51.937	11.659	17.599

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 150.000-145.000				1	1	1			
L2 145.000-140.000				1	1	1			
L3 140.000-135.000				1	1	1			
L4 135.000-130.000				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
L5 130.000-125.000				1	1	1			
L6 125.000-120.000				1	1	1			
L7 120.000-115.000				1	1	1			
L8 115.000-108.000				1	1	1			
L9 108.000-106.750				1	1	1			
L10 106.750-101.750				1	1	1			
L11 101.750-96.750				1	1	1			
L12 96.750-91.750				1	1	1			
L13 91.750-89.500				1	1	1			
L14 89.500-89.250				1	1	0.966256			
L15 89.250-84.250				1	1	0.968189			
L16 84.250-79.250				1	1	0.970768			
L17 79.250-69.750				1	1	0.974419			
L18 69.750-68.750				1	1	1			
L19 68.750-67.417				1	1	1			
L20 67.417-67.167				1	1	1			
L21 67.167-62.167				1	1	1			
L22 62.167-57.583				1	1	1			
L23 57.583-57.333				1	1	1.02224			
L24 57.333-56.417				1	1	1.01995			
L25 56.417-56.167				1	1	0.967057			
L26 56.167-51.167				1	1	0.979388			
L27 51.167-46.167				1	1	0.97142			
L28 46.167-41.167				1	1	0.984956			
L29 41.167-32.500				1	1	0.980236			
L30 32.500-31.500				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
L31 31.500-26.500				1	1	1			
L32 26.500-26.250				1	1	0.972651			
L33 26.250-21.250				1	1	0.965209			
L34 21.250-16.250				1	1	0.975567			
L35 16.250-11.250				1	1	0.96863			
L36 11.250-6.250				1	1	0.979877			
L37 6.250-1.250				1	1	0.973384			
L38 1.250-0.000				1	1	0.971802			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
*										
CU12PSM9P6XXX(1-1/2)	B	No	Surface Ar (CaAa)	121.000 - 0.000	1	1	0.200 0.230	1.600		0.002
*										
Safety Line 3/8	C	No	Surface Ar (CaAa)	150.000 - 0.000	1	1	0.150 0.160	0.375		0.000
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	30.000 - 0.000	1	1	0.250 0.300	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	30.000 - 0.000	1	1	-0.500 -0.450	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	30.000 - 0.000	1	1	0.000 0.050	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	30.000 - 0.000	1	1	-0.300 -0.250	6.500	15.500	0.000
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	60.083 - 30.083	1	1	0.250 0.300	6.000	14.000	0.000
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	60.083 - 30.083	1	1	-0.500 -0.450	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	60.083 - 30.083	1	1	0.000 0.050	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	60.083 - 30.083	1	1	-0.300 -0.250	6.000	14.000	0.000
*										
CCI 6.5" x 1.25" Splice Plate	A	No	Surface Af (CaAa)	32.830 - 25.250	1	1	0.250 0.300	6.500	15.500	0.000
CCI 6.5" x 1.25" Splice Plate	A	No	Surface Af (CaAa)	32.830 - 25.250	1	1	-0.500 -0.450	6.500	15.500	0.000
CCI 6.5" x 1.25" Splice Plate	B	No	Surface Af (CaAa)	32.830 - 25.250	1	1	0.000 0.050	6.500	15.500	0.000
CCI 6.5" x 1.25" Splice	C	No	Surface Af	32.830 -	1	1	-0.300	6.500	15.500	0.000

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
Plate *			(CaAa)	25.250			-0.250			
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	92.000 - 72.000	1	1	-0.500 -0.450	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	92.000 - 72.000	1	1	-0.500 -0.450	6.000	14.000	0.000
CCI 6" x 1" Plate *	C	No	Surface Af (CaAa)	92.000 - 72.000	1	1	-0.500 -0.450	6.000	14.000	0.000
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	69.420 - 54.420	1	1	-0.350 -0.300	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	69.420 - 54.420	1	1	-0.500 -0.450	6.000	14.000	0.000
CCI 6" x 1" Plate *	C	No	Surface Af (CaAa)	69.420 - 54.420	1	1	-0.500 -0.450	6.000	14.000	0.000

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
LDF7-50A(1-5/8)	A	No	No	Inside Pole	141.000 - 0.000	10	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
LDF4-50A(1/2)	A	No	No	Inside Pole	141.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
MLC HYBRID 6X12 LI(1-1/2) *	A	No	No	Inside Pole	141.000 - 0.000	2	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
LDF7-50A(1-5/8)	B	No	No	Inside Pole	111.000 - 0.000	8	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
LDF7-50A(1-5/8)	B	No	No	Inside Pole	111.000 - 0.000	4	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HB114-U6S12-XXX -LI(1-1/4) *	B	No	No	Inside Pole	111.000 - 0.000	1	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
HB114-08U3M12-X XXF(7/8)	C	No	No	Inside Pole	150.000 - 0.000	1	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HB114-1-0813U4-M 5F(1-1/4)	C	No	No	Inside Pole	150.000 - 0.000	3	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
*									
LDF4-50A(1/2)	C	No	No	Inside Pole	104.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
*									
AVA5-50(7/8)	C	No	No	Inside Pole	82.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
AVA5-50(7/8)	C	No	No	Inside Pole	88.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
LDF4-50A(1/2)	C	No	No	Inside Pole	88.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
*									
FXL 1873 PE(1-5/8)	C	No	No	Inside Pole	132.000 - 0.000	12	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
FB-L98B-002-50000 (3/8)	C	No	No	Inside Pole	132.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	132.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
2" Rigid Conduit	C	No	No	Inside Pole	132.000 - 0.000	1	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
							2" Ice	0.000	0.003
*									

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
L1	150.000-145.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.023
L2	145.000-140.000	A	0.000	0.000	0.000	0.000	0.012
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.023
L3	140.000-135.000	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.023
L4	135.000-130.000	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.047

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
L5	130.000-125.000	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.083
L6	125.000-120.000	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	0.160	0.000	0.002
		C	0.000	0.000	0.188	0.000	0.083
L7	120.000-115.000	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	0.800	0.000	0.012
		C	0.000	0.000	0.188	0.000	0.083
L8	115.000-108.000	A	0.000	0.000	0.000	0.000	0.084
		B	0.000	0.000	1.120	0.000	0.051
		C	0.000	0.000	0.263	0.000	0.116
L9	108.000-106.750	A	0.000	0.000	0.000	0.000	0.015
		B	0.000	0.000	0.200	0.000	0.017
		C	0.000	0.000	0.047	0.000	0.021
L10	106.750-101.750	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	0.800	0.000	0.069
		C	0.000	0.000	0.188	0.000	0.083
L11	101.750-96.750	A	0.000	0.000	0.000	0.000	0.060
		B	0.000	0.000	0.800	0.000	0.069
		C	0.000	0.000	0.188	0.000	0.084
L12	96.750-91.750	A	0.000	0.000	0.250	0.000	0.060
		B	0.000	0.000	1.050	0.000	0.069
		C	0.000	0.000	0.438	0.000	0.084
L13	91.750-89.500	A	0.000	0.000	2.250	0.000	0.027
		B	0.000	0.000	2.610	0.000	0.031
		C	0.000	0.000	2.334	0.000	0.038
L14	89.500-89.250	A	0.000	0.000	0.250	0.000	0.003
		B	0.000	0.000	0.290	0.000	0.003
		C	0.000	0.000	0.259	0.000	0.004
L15	89.250-84.250	A	0.000	0.000	5.000	0.000	0.060
		B	0.000	0.000	5.800	0.000	0.069
		C	0.000	0.000	5.188	0.000	0.086
L16	84.250-79.250	A	0.000	0.000	5.000	0.000	0.060
		B	0.000	0.000	5.800	0.000	0.069
		C	0.000	0.000	5.188	0.000	0.088
L17	79.250-69.750	A	0.000	0.000	7.250	0.000	0.114
		B	0.000	0.000	8.770	0.000	0.132
		C	0.000	0.000	7.606	0.000	0.169
L18	69.750-68.750	A	0.000	0.000	0.670	0.000	0.012
		B	0.000	0.000	0.830	0.000	0.014
		C	0.000	0.000	0.708	0.000	0.018
L19	68.750-67.417	A	0.000	0.000	1.333	0.000	0.016
		B	0.000	0.000	1.546	0.000	0.019
		C	0.000	0.000	1.383	0.000	0.024
L20	67.417-67.167	A	0.000	0.000	0.250	0.000	0.003
		B	0.000	0.000	0.290	0.000	0.003
		C	0.000	0.000	0.259	0.000	0.004
L21	67.167-62.167	A	0.000	0.000	5.000	0.000	0.060
		B	0.000	0.000	5.800	0.000	0.069
		C	0.000	0.000	5.188	0.000	0.089
L22	62.167-57.583	A	0.000	0.000	9.584	0.000	0.055
		B	0.000	0.000	7.817	0.000	0.064
		C	0.000	0.000	7.256	0.000	0.081
L23	57.583-57.333	A	0.000	0.000	0.750	0.000	0.003
		B	0.000	0.000	0.540	0.000	0.003
		C	0.000	0.000	0.509	0.000	0.004
L24	57.333-56.417	A	0.000	0.000	2.748	0.000	0.011
		B	0.000	0.000	1.979	0.000	0.013
		C	0.000	0.000	1.866	0.000	0.016
L25	56.417-56.167	A	0.000	0.000	0.750	0.000	0.003

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	0.540	0.000	0.003
		C	0.000	0.000	0.509	0.000	0.004
L26	56.167-51.167	A	0.000	0.000	11.747	0.000	0.060
		B	0.000	0.000	7.547	0.000	0.069
		C	0.000	0.000	6.934	0.000	0.089
L27	51.167-46.167	A	0.000	0.000	10.000	0.000	0.060
		B	0.000	0.000	5.800	0.000	0.069
		C	0.000	0.000	5.188	0.000	0.089
L28	46.167-41.167	A	0.000	0.000	10.000	0.000	0.060
		B	0.000	0.000	5.800	0.000	0.069
		C	0.000	0.000	5.188	0.000	0.089
L29	41.167-32.500	A	0.000	0.000	17.915	0.000	0.104
		B	0.000	0.000	10.344	0.000	0.120
		C	0.000	0.000	9.282	0.000	0.154
L30	32.500-31.500	A	0.000	0.000	3.760	0.000	0.012
		B	0.000	0.000	2.040	0.000	0.014
		C	0.000	0.000	1.918	0.000	0.018
L31	31.500-26.500	A	0.000	0.000	19.218	0.000	0.060
		B	0.000	0.000	10.409	0.000	0.069
		C	0.000	0.000	9.796	0.000	0.089
L32	26.500-26.250	A	0.000	0.000	0.982	0.000	0.003
		B	0.000	0.000	0.531	0.000	0.003
		C	0.000	0.000	0.500	0.000	0.004
L33	26.250-21.250	A	0.000	0.000	12.593	0.000	0.060
		B	0.000	0.000	7.097	0.000	0.069
		C	0.000	0.000	6.484	0.000	0.089
L34	21.250-16.250	A	0.000	0.000	10.833	0.000	0.060
		B	0.000	0.000	6.217	0.000	0.069
		C	0.000	0.000	5.604	0.000	0.089
L35	16.250-11.250	A	0.000	0.000	10.833	0.000	0.060
		B	0.000	0.000	6.217	0.000	0.069
		C	0.000	0.000	5.604	0.000	0.089
L36	11.250-6.250	A	0.000	0.000	10.833	0.000	0.060
		B	0.000	0.000	6.217	0.000	0.069
		C	0.000	0.000	5.604	0.000	0.089
L37	6.250-1.250	A	0.000	0.000	10.833	0.000	0.060
		B	0.000	0.000	6.217	0.000	0.069
		C	0.000	0.000	5.604	0.000	0.089
L38	1.250-0.000	A	0.000	0.000	2.708	0.000	0.015
		B	0.000	0.000	1.554	0.000	0.017
		C	0.000	0.000	1.401	0.000	0.022

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	150.000-145.000	A	1.481	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.668	0.000	0.039
L2	145.000-140.000	A	1.476	0.000	0.000	0.000	0.000	0.012
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.663	0.000	0.039
L3	140.000-135.000	A	1.471	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.658	0.000	0.039
L4	135.000-130.000	A	1.465	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	0.000	0.000	0.000

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	1.653	0.000	0.063
L5	130.000-125.000	A	1.460	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.647	0.000	0.099
L6	125.000-120.000	A	1.454	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	0.451	0.000	0.008
		C		0.000	0.000	1.641	0.000	0.099
L7	120.000-115.000	A	1.448	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	2.248	0.000	0.039
		C		0.000	0.000	1.635	0.000	0.099
L8	115.000-108.000	A	1.440	0.000	0.000	0.000	0.000	0.084
		B		0.000	0.000	3.136	0.000	0.089
		C		0.000	0.000	2.279	0.000	0.138
L9	108.000-106.750	A	1.435	0.000	0.000	0.000	0.000	0.015
		B		0.000	0.000	0.560	0.000	0.024
		C		0.000	0.000	0.407	0.000	0.025
L10	106.750-101.750	A	1.430	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	2.230	0.000	0.096
		C		0.000	0.000	1.618	0.000	0.099
L11	101.750-96.750	A	1.423	0.000	0.000	0.000	0.000	0.060
		B		0.000	0.000	2.223	0.000	0.096
		C		0.000	0.000	1.611	0.000	0.099
L12	96.750-91.750	A	1.416	0.000	0.000	0.321	0.000	0.063
		B		0.000	0.000	2.537	0.000	0.098
		C		0.000	0.000	1.924	0.000	0.102
L13	91.750-89.500	A	1.411	0.000	0.000	2.885	0.000	0.051
		B		0.000	0.000	3.879	0.000	0.067
		C		0.000	0.000	3.604	0.000	0.068
L14	89.500-89.250	A	1.409	0.000	0.000	0.320	0.000	0.006
		B		0.000	0.000	0.431	0.000	0.007
		C		0.000	0.000	0.400	0.000	0.008
L15	89.250-84.250	A	1.404	0.000	0.000	6.404	0.000	0.113
		B		0.000	0.000	8.609	0.000	0.148
		C		0.000	0.000	7.996	0.000	0.154
L16	84.250-79.250	A	1.396	0.000	0.000	6.396	0.000	0.113
		B		0.000	0.000	8.592	0.000	0.147
		C		0.000	0.000	7.980	0.000	0.156
L17	79.250-69.750	A	1.383	0.000	0.000	9.255	0.000	0.189
		B		0.000	0.000	13.403	0.000	0.255
		C		0.000	0.000	12.240	0.000	0.272
L18	69.750-68.750	A	1.373	0.000	0.000	0.818	0.000	0.019
		B		0.000	0.000	1.255	0.000	0.026
		C		0.000	0.000	1.132	0.000	0.028
L19	68.750-67.417	A	1.371	0.000	0.000	1.625	0.000	0.030
		B		0.000	0.000	2.203	0.000	0.039
		C		0.000	0.000	2.040	0.000	0.041
L20	67.417-67.167	A	1.369	0.000	0.000	0.305	0.000	0.006
		B		0.000	0.000	0.413	0.000	0.007
		C		0.000	0.000	0.382	0.000	0.008
L21	67.167-62.167	A	1.364	0.000	0.000	6.090	0.000	0.111
		B		0.000	0.000	8.254	0.000	0.145
		C		0.000	0.000	7.642	0.000	0.154
L22	62.167-57.583	A	1.353	0.000	0.000	11.932	0.000	0.152
		B		0.000	0.000	10.730	0.000	0.157
		C		0.000	0.000	10.168	0.000	0.166
L23	57.583-57.333	A	1.348	0.000	0.000	0.939	0.000	0.011
		B		0.000	0.000	0.729	0.000	0.010
		C		0.000	0.000	0.698	0.000	0.010
L24	57.333-56.417	A	1.346	0.000	0.000	3.439	0.000	0.039
		B		0.000	0.000	2.670	0.000	0.035
		C		0.000	0.000	2.558	0.000	0.037

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	56.417-56.167	A	1.345	0.000	0.000	0.939	0.000	0.011
		B		0.000	0.000	0.729	0.000	0.010
		C		0.000	0.000	0.698	0.000	0.010
L26	56.167-51.167	A	1.339	0.000	0.000	14.801	0.000	0.177
		B		0.000	0.000	10.601	0.000	0.160
		C		0.000	0.000	9.988	0.000	0.170
L27	51.167-46.167	A	1.325	0.000	0.000	12.651	0.000	0.158
		B		0.000	0.000	8.451	0.000	0.142
		C		0.000	0.000	7.838	0.000	0.152
L28	46.167-41.167	A	1.311	0.000	0.000	12.622	0.000	0.157
		B		0.000	0.000	8.422	0.000	0.141
		C		0.000	0.000	7.810	0.000	0.151
L29	41.167-32.500	A	1.289	0.000	0.000	22.476	0.000	0.275
		B		0.000	0.000	14.859	0.000	0.245
		C		0.000	0.000	13.797	0.000	0.262
L30	32.500-31.500	A	1.271	0.000	0.000	4.556	0.000	0.051
		B		0.000	0.000	2.696	0.000	0.038
		C		0.000	0.000	2.573	0.000	0.040
L31	31.500-26.500	A	1.259	0.000	0.000	23.057	0.000	0.255
		B		0.000	0.000	13.587	0.000	0.189
		C		0.000	0.000	12.975	0.000	0.199
L32	26.500-26.250	A	1.247	0.000	0.000	1.174	0.000	0.013
		B		0.000	0.000	0.689	0.000	0.009
		C		0.000	0.000	0.659	0.000	0.010
L33	26.250-21.250	A	1.234	0.000	0.000	15.328	0.000	0.176
		B		0.000	0.000	9.698	0.000	0.149
		C		0.000	0.000	9.085	0.000	0.159
L34	21.250-16.250	A	1.205	0.000	0.000	13.243	0.000	0.154
		B		0.000	0.000	8.626	0.000	0.137
		C		0.000	0.000	8.014	0.000	0.147
L35	16.250-11.250	A	1.168	0.000	0.000	13.169	0.000	0.151
		B		0.000	0.000	8.553	0.000	0.134
		C		0.000	0.000	7.940	0.000	0.145
L36	11.250-6.250	A	1.116	0.000	0.000	13.066	0.000	0.146
		B		0.000	0.000	8.449	0.000	0.131
		C		0.000	0.000	7.837	0.000	0.142
L37	6.250-1.250	A	1.026	0.000	0.000	12.884	0.000	0.138
		B		0.000	0.000	8.268	0.000	0.125
		C		0.000	0.000	7.655	0.000	0.136
L38	1.250-0.000	A	0.857	0.000	0.000	3.137	0.000	0.031
		B		0.000	0.000	1.983	0.000	0.028
		C		0.000	0.000	1.830	0.000	0.032

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.000-145.000	-0.073	0.217	-0.413	1.226
L2	145.000-140.000	-0.073	0.217	-0.415	1.233
L3	140.000-135.000	-0.073	0.217	-0.417	1.240
L4	135.000-130.000	-0.073	0.217	-0.419	1.245
L5	130.000-125.000	-0.073	0.217	-0.421	1.250
L6	125.000-120.000	0.131	0.199	-0.038	1.195
L7	120.000-115.000	0.882	0.133	1.308	0.993
L8	115.000-108.000	0.883	0.134	1.316	1.000
L9	108.000-106.750	0.884	0.134	1.320	1.003

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L10	106.750-101.750	0.884	0.134	1.321	1.003
L11	101.750-96.750	0.884	0.135	1.327	1.007
L12	96.750-91.750	0.841	0.128	1.276	0.968
L13	91.750-89.500	0.437	0.067	0.719	0.545
L14	89.500-89.250	0.439	0.067	0.722	0.548
L15	89.250-84.250	0.442	0.068	0.727	0.551
L16	84.250-79.250	0.448	0.069	0.736	0.558
L17	79.250-69.750	0.516	0.079	0.837	0.634
L18	69.750-68.750	-0.471	-1.127	0.005	-0.381
L19	68.750-67.417	-0.820	-1.452	-0.375	-0.779
L20	67.417-67.167	-0.821	-1.455	-0.377	-0.782
L21	67.167-62.167	-0.827	-1.465	-0.381	-0.789
L22	62.167-57.583	1.243	-0.746	1.478	-0.268
L23	57.583-57.333	2.315	-0.374	2.468	0.010
L24	57.333-56.417	2.320	-0.375	2.472	0.010
L25	56.417-56.167	2.324	-0.376	2.476	0.009
L26	56.167-51.167	3.542	0.319	3.608	0.717
L27	51.167-46.167	4.499	0.849	4.474	1.242
L28	46.167-41.167	4.558	0.861	4.532	1.256
L29	41.167-32.500	4.700	0.888	4.662	1.277
L30	32.500-31.500	5.752	1.095	5.619	1.359
L31	31.500-26.500	5.844	1.112	5.692	1.366
L32	26.500-26.250	5.929	1.128	5.771	1.378
L33	26.250-21.250	5.175	0.980	5.068	1.317
L34	21.250-16.250	4.955	0.936	4.869	1.301
L35	16.250-11.250	5.012	0.947	4.915	1.305
L36	11.250-6.250	5.068	0.958	4.954	1.302
L37	6.250-1.250	5.122	0.969	4.977	1.285
L38	1.250-0.000	5.156	0.975	4.948	1.231

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	28	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L2	28	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L3	28	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L4	28	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L5	28	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L6	12	CU12PSM9P6XXX(1-1/2)	120.00 - 121.00	1.0000	1.0000
L6	28	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L7	12	CU12PSM9P6XXX(1-1/2)	115.00 - 120.00	1.0000	1.0000
L7	28	Safety Line 3/8	115.00 - 120.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L8	12	CU12PSM9P6XXX(1-1/2)	108.00 - 115.00	1.0000	1.0000
L8	28	Safety Line 3/8	108.00 - 115.00	1.0000	1.0000
L9	12	CU12PSM9P6XXX(1-1/2)	106.75 - 108.00	1.0000	1.0000
L9	28	Safety Line 3/8	106.75 - 108.00	1.0000	1.0000
L10	12	CU12PSM9P6XXX(1-1/2)	101.75 - 106.75	1.0000	1.0000
L10	28	Safety Line 3/8	101.75 - 106.75	1.0000	1.0000
L11	12	CU12PSM9P6XXX(1-1/2)	96.75 - 101.75	1.0000	1.0000
L11	28	Safety Line 3/8	96.75 - 101.75	1.0000	1.0000
L12	12	CU12PSM9P6XXX(1-1/2)	91.75 - 96.75	1.0000	1.0000
L12	28	Safety Line 3/8	91.75 - 96.75	1.0000	1.0000
L12	45	CCI 6" x 1" Plate	91.75 - 92.00	1.0000	1.0000
L12	46	CCI 6" x 1" Plate	91.75 - 92.00	1.0000	1.0000
L12	47	CCI 6" x 1" Plate	91.75 - 92.00	1.0000	1.0000
L13	12	CU12PSM9P6XXX(1-1/2)	89.50 - 91.75	1.0000	1.0000
L13	28	Safety Line 3/8	89.50 - 91.75	1.0000	1.0000
L13	45	CCI 6" x 1" Plate	89.50 - 91.75	1.0000	1.0000
L13	46	CCI 6" x 1" Plate	89.50 - 91.75	1.0000	1.0000
L13	47	CCI 6" x 1" Plate	89.50 - 91.75	1.0000	1.0000
L14	12	CU12PSM9P6XXX(1-1/2)	89.25 - 89.50	1.0000	1.0000
L14	28	Safety Line 3/8	89.25 - 89.50	1.0000	1.0000
L14	45	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L14	46	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L14	47	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L15	12	CU12PSM9P6XXX(1-1/2)	84.25 - 89.25	1.0000	1.0000
L15	28	Safety Line 3/8	84.25 - 89.25	1.0000	1.0000
L15	45	CCI 6" x 1" Plate	84.25 - 89.25	1.0000	1.0000
L15	46	CCI 6" x 1" Plate	84.25 - 89.25	1.0000	1.0000
L15	47	CCI 6" x 1" Plate	84.25 - 89.25	1.0000	1.0000
L16	12	CU12PSM9P6XXX(1-1/2)	79.25 - 84.25	1.0000	1.0000
L16	28	Safety Line 3/8	79.25 - 84.25	1.0000	1.0000
L16	45	CCI 6" x 1" Plate	79.25 - 84.25	1.0000	1.0000
L16	46	CCI 6" x 1" Plate	79.25 - 84.25	1.0000	1.0000
L16	47	CCI 6" x 1" Plate	79.25 - 84.25	1.0000	1.0000
L17	12	CU12PSM9P6XXX(1-1/2)	69.75 - 79.25	1.0000	1.0000
L17	28	Safety Line 3/8	69.75 - 79.25	1.0000	1.0000
L17	45	CCI 6" x 1" Plate	72.00 - 79.25	1.0000	1.0000
L17	46	CCI 6" x 1" Plate	72.00 - 79.25	1.0000	1.0000
L17	47	CCI 6" x 1" Plate	72.00 - 79.25	1.0000	1.0000
L18	12	CU12PSM9P6XXX(1-1/2)	68.75 - 69.75	1.0000	1.0000
L18	28	Safety Line 3/8	68.75 - 69.75	1.0000	1.0000
L18	49	CCI 6" x 1" Plate	68.75 - 69.42	1.0000	1.0000
L18	50	CCI 6" x 1" Plate	68.75 - 69.42	1.0000	1.0000
L18	51	CCI 6" x 1" Plate	68.75 - 69.42	1.0000	1.0000
L19	12	CU12PSM9P6XXX(1-1/2)	67.42 - 68.75	1.0000	1.0000
L19	28	Safety Line 3/8	67.42 - 68.75	1.0000	1.0000
L19	49	CCI 6" x 1" Plate	67.42 - 68.75	1.0000	1.0000
L19	50	CCI 6" x 1" Plate	67.42 - 68.75	1.0000	1.0000
L19	51	CCI 6" x 1" Plate	67.42 - 68.75	1.0000	1.0000
L20	12	CU12PSM9P6XXX(1-1/2)	67.17 - 67.42	1.0000	1.0000
L20	28	Safety Line 3/8	67.17 - 67.42	1.0000	1.0000
L20	49	CCI 6" x 1" Plate	67.17 - 67.42	1.0000	1.0000
L20	50	CCI 6" x 1" Plate	67.17 - 67.42	1.0000	1.0000
L20	51	CCI 6" x 1" Plate	67.17 - 67.42	1.0000	1.0000
L21	12	CU12PSM9P6XXX(1-1/2)	62.17 - 67.17	1.0000	1.0000
L21	28	Safety Line 3/8	62.17 - 67.17	1.0000	1.0000
L21	49	CCI 6" x 1" Plate	62.17 - 67.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L21	50	CCI 6" x 1" Plate	62.17 - 67.17	1.0000	1.0000
L21	51	CCI 6" x 1" Plate	62.17 - 67.17	1.0000	1.0000
L22	12	CU12PSM9P6XXX(1-1/2)	57.58 - 62.17	1.0000	1.0000
L22	28	Safety Line 3/8	57.58 - 62.17	1.0000	1.0000
L22	35	CCI 6" x 1" Plate	57.58 - 60.08	1.0000	1.0000
L22	36	CCI 6" x 1" Plate	57.58 - 60.08	1.0000	1.0000
L22	37	CCI 6" x 1" Plate	57.58 - 60.08	1.0000	1.0000
L22	38	CCI 6" x 1" Plate	57.58 - 60.08	1.0000	1.0000
L22	49	CCI 6" x 1" Plate	57.58 - 62.17	1.0000	1.0000
L22	50	CCI 6" x 1" Plate	57.58 - 62.17	1.0000	1.0000
L22	51	CCI 6" x 1" Plate	57.58 - 62.17	1.0000	1.0000
L23	12	CU12PSM9P6XXX(1-1/2)	57.33 - 57.58	1.0000	1.0000
L23	28	Safety Line 3/8	57.33 - 57.58	1.0000	1.0000
L23	35	CCI 6" x 1" Plate	57.33 - 57.58	1.0000	1.0000
L23	36	CCI 6" x 1" Plate	57.33 - 57.58	1.0000	1.0000
L23	37	CCI 6" x 1" Plate	57.33 - 57.58	1.0000	1.0000
L23	38	CCI 6" x 1" Plate	57.33 - 57.58	1.0000	1.0000
L23	49	CCI 6" x 1" Plate	57.33 - 57.58	1.0000	1.0000
L23	50	CCI 6" x 1" Plate	57.33 - 57.58	1.0000	1.0000
L23	51	CCI 6" x 1" Plate	57.33 - 57.58	1.0000	1.0000
L24	12	CU12PSM9P6XXX(1-1/2)	56.42 - 57.33	1.0000	1.0000
L24	28	Safety Line 3/8	56.42 - 57.33	1.0000	1.0000
L24	35	CCI 6" x 1" Plate	56.42 - 57.33	1.0000	1.0000
L24	36	CCI 6" x 1" Plate	56.42 - 57.33	1.0000	1.0000
L24	37	CCI 6" x 1" Plate	56.42 - 57.33	1.0000	1.0000
L24	38	CCI 6" x 1" Plate	56.42 - 57.33	1.0000	1.0000
L24	49	CCI 6" x 1" Plate	56.42 - 57.33	1.0000	1.0000
L24	50	CCI 6" x 1" Plate	56.42 - 57.33	1.0000	1.0000
L24	51	CCI 6" x 1" Plate	56.42 - 57.33	1.0000	1.0000
L25	12	CU12PSM9P6XXX(1-1/2)	56.17 - 56.42	1.0000	1.0000
L25	28	Safety Line 3/8	56.17 - 56.42	1.0000	1.0000
L25	35	CCI 6" x 1" Plate	56.17 - 56.42	1.0000	1.0000
L25	36	CCI 6" x 1" Plate	56.17 - 56.42	1.0000	1.0000
L25	37	CCI 6" x 1" Plate	56.17 - 56.42	1.0000	1.0000
L25	38	CCI 6" x 1" Plate	56.17 - 56.42	1.0000	1.0000
L25	49	CCI 6" x 1" Plate	56.17 - 56.42	1.0000	1.0000
L25	50	CCI 6" x 1" Plate	56.17 - 56.42	1.0000	1.0000
L25	51	CCI 6" x 1" Plate	56.17 - 56.42	1.0000	1.0000
L26	12	CU12PSM9P6XXX(1-1/2)	51.17 - 56.17	1.0000	1.0000
L26	28	Safety Line 3/8	51.17 - 56.17	1.0000	1.0000
L26	35	CCI 6" x 1" Plate	51.17 - 56.17	1.0000	1.0000
L26	36	CCI 6" x 1" Plate	51.17 - 56.17	1.0000	1.0000
L26	37	CCI 6" x 1" Plate	51.17 - 56.17	1.0000	1.0000
L26	38	CCI 6" x 1" Plate	51.17 - 56.17	1.0000	1.0000
L26	49	CCI 6" x 1" Plate	54.42 - 56.17	1.0000	1.0000
L26	50	CCI 6" x 1" Plate	54.42 - 56.17	1.0000	1.0000
L26	51	CCI 6" x 1" Plate	54.42 - 56.17	1.0000	1.0000
L27	12	CU12PSM9P6XXX(1-1/2)	46.17 - 51.17	1.0000	1.0000
L27	28	Safety Line 3/8	46.17 - 51.17	1.0000	1.0000
L27	35	CCI 6" x 1" Plate	46.17 - 51.17	1.0000	1.0000
L27	36	CCI 6" x 1" Plate	46.17 - 51.17	1.0000	1.0000
L27	37	CCI 6" x 1" Plate	46.17 - 51.17	1.0000	1.0000
L27	38	CCI 6" x 1" Plate	46.17 - 51.17	1.0000	1.0000
L28	12	CU12PSM9P6XXX(1-1/2)	41.17 - 46.17	1.0000	1.0000
L28	28	Safety Line 3/8	41.17 - 46.17	1.0000	1.0000
L28	35	CCI 6" x 1" Plate	41.17 - 46.17	1.0000	1.0000
L28	36	CCI 6" x 1" Plate	41.17 - 46.17	1.0000	1.0000
L28	37	CCI 6" x 1" Plate	41.17 - 46.17	1.0000	1.0000
L28	38	CCI 6" x 1" Plate	41.17 - 46.17	1.0000	1.0000
L29	12	CU12PSM9P6XXX(1-1/2)	32.50 - 41.17	1.0000	1.0000
L29	28	Safety Line 3/8	32.50 - 41.17	1.0000	1.0000
L29	35	CCI 6" x 1" Plate	32.50 - 41.17	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L29	36	CCI 6" x 1" Plate	32.50 - 41.17	1.0000	1.0000
L29	37	CCI 6" x 1" Plate	32.50 - 41.17	1.0000	1.0000
L29	38	CCI 6" x 1" Plate	32.50 - 41.17	1.0000	1.0000
L29	40	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	1.0000	1.0000
L29	41	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	1.0000	1.0000
L29	42	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	1.0000	1.0000
L29	43	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	1.0000	1.0000
L30	12	CU12PSM9P6XXX(1-1/2)	31.50 - 32.50	1.0000	1.0000
L30	28	Safety Line 3/8	31.50 - 32.50	1.0000	1.0000
L30	35	CCI 6" x 1" Plate	31.50 - 32.50	1.0000	1.0000
L30	36	CCI 6" x 1" Plate	31.50 - 32.50	1.0000	1.0000
L30	37	CCI 6" x 1" Plate	31.50 - 32.50	1.0000	1.0000
L30	38	CCI 6" x 1" Plate	31.50 - 32.50	1.0000	1.0000
L30	40	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	1.0000	1.0000
L30	41	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	1.0000	1.0000
L30	42	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	1.0000	1.0000
L30	43	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	1.0000	1.0000
L31	12	CU12PSM9P6XXX(1-1/2)	26.50 - 31.50	1.0000	1.0000
L31	28	Safety Line 3/8	26.50 - 31.50	1.0000	1.0000
L31	30	CCI 6.5" x 1.25" Plate	26.50 - 30.00	1.0000	1.0000
L31	31	CCI 6.5" x 1.25" Plate	26.50 - 30.00	1.0000	1.0000
L31	32	CCI 6.5" x 1.25" Plate	26.50 - 30.00	1.0000	1.0000
L31	33	CCI 6.5" x 1.25" Plate	26.50 - 30.00	1.0000	1.0000
L31	35	CCI 6" x 1" Plate	30.08 - 31.50	1.0000	1.0000
L31	36	CCI 6" x 1" Plate	30.08 - 31.50	1.0000	1.0000
L31	37	CCI 6" x 1" Plate	30.08 - 31.50	1.0000	1.0000
L31	38	CCI 6" x 1" Plate	30.08 - 31.50	1.0000	1.0000
L31	40	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	1.0000	1.0000
L31	41	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	1.0000	1.0000
L31	42	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	1.0000	1.0000
L31	43	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	1.0000	1.0000
L32	12	CU12PSM9P6XXX(1-1/2)	26.25 - 26.50	1.0000	1.0000
L32	28	Safety Line 3/8	26.25 - 26.50	1.0000	1.0000
L32	30	CCI 6.5" x 1.25" Plate	26.25 - 26.50	1.0000	1.0000
L32	31	CCI 6.5" x 1.25" Plate	26.25 - 26.50	1.0000	1.0000
L32	32	CCI 6.5" x 1.25" Plate	26.25 - 26.50	1.0000	1.0000
L32	33	CCI 6.5" x 1.25" Plate	26.25 - 26.50	1.0000	1.0000
L32	40	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	1.0000	1.0000
L32	41	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	1.0000	1.0000
L32	42	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	1.0000	1.0000
L32	43	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	1.0000	1.0000
L33	12	CU12PSM9P6XXX(1-1/2)	21.25 - 26.25	1.0000	1.0000
L33	28	Safety Line 3/8	21.25 - 26.25	1.0000	1.0000
L33	30	CCI 6.5" x 1.25" Plate	21.25 - 26.25	1.0000	1.0000
L33	31	CCI 6.5" x 1.25" Plate	21.25 - 26.25	1.0000	1.0000
L33	32	CCI 6.5" x 1.25" Plate	21.25 - 26.25	1.0000	1.0000
L33	33	CCI 6.5" x 1.25" Plate	21.25 - 26.25	1.0000	1.0000
L33	40	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	1.0000	1.0000
L33	41	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	1.0000	1.0000
L33	42	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	1.0000	1.0000
L33	43	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	1.0000	1.0000
L34	12	CU12PSM9P6XXX(1-1/2)	16.25 - 21.25	1.0000	1.0000
L34	28	Safety Line 3/8	16.25 - 21.25	1.0000	1.0000
L34	30	CCI 6.5" x 1.25" Plate	16.25 - 21.25	1.0000	1.0000
L34	31	CCI 6.5" x 1.25" Plate	16.25 - 21.25	1.0000	1.0000
L34	32	CCI 6.5" x 1.25" Plate	16.25 - 21.25	1.0000	1.0000
L34	33	CCI 6.5" x 1.25" Plate	16.25 - 21.25	1.0000	1.0000
L35	12	CU12PSM9P6XXX(1-1/2)	11.25 - 16.25	1.0000	1.0000
L35	28	Safety Line 3/8	11.25 - 16.25	1.0000	1.0000
L35	30	CCI 6.5" x 1.25" Plate	11.25 - 16.25	1.0000	1.0000
L35	31	CCI 6.5" x 1.25" Plate	11.25 - 16.25	1.0000	1.0000
L35	32	CCI 6.5" x 1.25" Plate	11.25 - 16.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L35	33	CCI 6.5" x 1.25" Plate	11.25 - 16.25	1.0000	1.0000
L36	12	CU12PSM9P6XXX(1-1/2)	6.25 - 11.25	1.0000	1.0000
L36	28	Safety Line 3/8	6.25 - 11.25	1.0000	1.0000
L36	30	CCI 6.5" x 1.25" Plate	6.25 - 11.25	1.0000	1.0000
L36	31	CCI 6.5" x 1.25" Plate	6.25 - 11.25	1.0000	1.0000
L36	32	CCI 6.5" x 1.25" Plate	6.25 - 11.25	1.0000	1.0000
L36	33	CCI 6.5" x 1.25" Plate	6.25 - 11.25	1.0000	1.0000
L37	12	CU12PSM9P6XXX(1-1/2)	1.25 - 6.25	1.0000	1.0000
L37	28	Safety Line 3/8	1.25 - 6.25	1.0000	1.0000
L37	30	CCI 6.5" x 1.25" Plate	1.25 - 6.25	1.0000	1.0000
L37	31	CCI 6.5" x 1.25" Plate	1.25 - 6.25	1.0000	1.0000
L37	32	CCI 6.5" x 1.25" Plate	1.25 - 6.25	1.0000	1.0000
L37	33	CCI 6.5" x 1.25" Plate	1.25 - 6.25	1.0000	1.0000
L38	12	CU12PSM9P6XXX(1-1/2)	0.00 - 1.25	1.0000	1.0000
L38	28	Safety Line 3/8	0.00 - 1.25	1.0000	1.0000
L38	30	CCI 6.5" x 1.25" Plate	0.00 - 1.25	1.0000	1.0000
L38	31	CCI 6.5" x 1.25" Plate	0.00 - 1.25	1.0000	1.0000
L38	32	CCI 6.5" x 1.25" Plate	0.00 - 1.25	1.0000	1.0000
L38	33	CCI 6.5" x 1.25" Plate	0.00 - 1.25	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
L12	45	CCI 6" x 1" Plate	91.75 - 92.00	Auto	0.0000
L12	46	CCI 6" x 1" Plate	91.75 - 92.00	Auto	0.0000
L12	47	CCI 6" x 1" Plate	91.75 - 92.00	Auto	0.0000
L13	45	CCI 6" x 1" Plate	89.50 - 91.75	Auto	0.0000
L13	46	CCI 6" x 1" Plate	89.50 - 91.75	Auto	0.0000
L13	47	CCI 6" x 1" Plate	89.50 - 91.75	Auto	0.0000
L14	45	CCI 6" x 1" Plate	89.25 - 89.50	Auto	0.0000
L14	46	CCI 6" x 1" Plate	89.25 - 89.50	Auto	0.0000
L14	47	CCI 6" x 1" Plate	89.25 - 89.50	Auto	0.0000
L15	45	CCI 6" x 1" Plate	84.25 - 89.25	Auto	0.0000
L15	46	CCI 6" x 1" Plate	84.25 - 89.25	Auto	0.0000
L15	47	CCI 6" x 1" Plate	84.25 - 89.25	Auto	0.0000
L16	45	CCI 6" x 1" Plate	79.25 - 84.25	Auto	0.0000
L16	46	CCI 6" x 1" Plate	79.25 - 84.25	Auto	0.0000
L16	47	CCI 6" x 1" Plate	79.25 - 84.25	Auto	0.0000
L17	45	CCI 6" x 1" Plate	72.00 - 79.25	Auto	0.0000
L17	46	CCI 6" x 1" Plate	72.00 - 79.25	Auto	0.0000
L17	47	CCI 6" x 1" Plate	72.00 - 79.25	Auto	0.0000
L18	49	CCI 6" x 1" Plate	68.75 - 69.42	Auto	0.0000
L18	50	CCI 6" x 1" Plate	68.75 - 69.42	Auto	0.0000
L18	51	CCI 6" x 1" Plate	68.75 - 69.42	Auto	0.0000
L19	49	CCI 6" x 1" Plate	67.42 - 68.75	Auto	0.0000
L19	50	CCI 6" x 1" Plate	67.42 - 68.75	Auto	0.0000
L19	51	CCI 6" x 1" Plate	67.42 - 68.75	Auto	0.0000
L20	49	CCI 6" x 1" Plate	67.17 - 67.42	Auto	0.0000
L20	50	CCI 6" x 1" Plate	67.17 - 67.42	Auto	0.0000
L20	51	CCI 6" x 1" Plate	67.17 - 67.42	Auto	0.0000
L21	49	CCI 6" x 1" Plate	62.17 - 67.17	Auto	0.0000
L21	50	CCI 6" x 1" Plate	62.17 - 67.17	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L21	51	CCI 6" x 1" Plate	62.17 - 67.17	Auto	0.0000
L22	35	CCI 6" x 1" Plate	57.58 - 60.08	Auto	0.0000
L22	36	CCI 6" x 1" Plate	57.58 - 60.08	Auto	0.0000
L22	37	CCI 6" x 1" Plate	57.58 - 60.08	Auto	0.0000
L22	38	CCI 6" x 1" Plate	57.58 - 60.08	Auto	0.0000
L22	49	CCI 6" x 1" Plate	57.58 - 62.17	Auto	0.0000
L22	50	CCI 6" x 1" Plate	57.58 - 62.17	Auto	0.0000
L22	51	CCI 6" x 1" Plate	57.58 - 62.17	Auto	0.0000
L23	35	CCI 6" x 1" Plate	57.33 - 57.58	Auto	0.0000
L23	36	CCI 6" x 1" Plate	57.33 - 57.58	Auto	0.0000
L23	37	CCI 6" x 1" Plate	57.33 - 57.58	Auto	0.0000
L23	38	CCI 6" x 1" Plate	57.33 - 57.58	Auto	0.0000
L23	49	CCI 6" x 1" Plate	57.33 - 57.58	Auto	0.0000
L23	50	CCI 6" x 1" Plate	57.33 - 57.58	Auto	0.0000
L23	51	CCI 6" x 1" Plate	57.33 - 57.58	Auto	0.0000
L24	35	CCI 6" x 1" Plate	56.42 - 57.33	Auto	0.0000
L24	36	CCI 6" x 1" Plate	56.42 - 57.33	Auto	0.0000
L24	37	CCI 6" x 1" Plate	56.42 - 57.33	Auto	0.0000
L24	38	CCI 6" x 1" Plate	56.42 - 57.33	Auto	0.0000
L24	49	CCI 6" x 1" Plate	56.42 - 57.33	Auto	0.0000
L24	50	CCI 6" x 1" Plate	56.42 - 57.33	Auto	0.0000
L24	51	CCI 6" x 1" Plate	56.42 - 57.33	Auto	0.0000
L25	35	CCI 6" x 1" Plate	56.17 - 56.42	Auto	0.0000
L25	36	CCI 6" x 1" Plate	56.17 - 56.42	Auto	0.0000
L25	37	CCI 6" x 1" Plate	56.17 - 56.42	Auto	0.0000
L25	38	CCI 6" x 1" Plate	56.17 - 56.42	Auto	0.0000
L25	49	CCI 6" x 1" Plate	56.17 - 56.42	Auto	0.0000
L25	50	CCI 6" x 1" Plate	56.17 - 56.42	Auto	0.0000
L25	51	CCI 6" x 1" Plate	56.17 - 56.42	Auto	0.0000
L26	35	CCI 6" x 1" Plate	51.17 - 56.17	Auto	0.0000
L26	36	CCI 6" x 1" Plate	51.17 - 56.17	Auto	0.0000
L26	37	CCI 6" x 1" Plate	51.17 - 56.17	Auto	0.0000
L26	38	CCI 6" x 1" Plate	51.17 - 56.17	Auto	0.0000
L26	49	CCI 6" x 1" Plate	54.42 - 56.17	Auto	0.0000
L26	50	CCI 6" x 1" Plate	54.42 - 56.17	Auto	0.0000
L26	51	CCI 6" x 1" Plate	54.42 - 56.17	Auto	0.0000
L27	35	CCI 6" x 1" Plate	46.17 - 51.17	Auto	0.0000
L27	36	CCI 6" x 1" Plate	46.17 - 51.17	Auto	0.0000
L27	37	CCI 6" x 1" Plate	46.17 - 51.17	Auto	0.0000
L27	38	CCI 6" x 1" Plate	46.17 - 51.17	Auto	0.0000
L28	35	CCI 6" x 1" Plate	41.17 - 46.17	Auto	0.0000
L28	36	CCI 6" x 1" Plate	41.17 - 46.17	Auto	0.0000
L28	37	CCI 6" x 1" Plate	41.17 - 46.17	Auto	0.0000
L28	38	CCI 6" x 1" Plate	41.17 - 46.17	Auto	0.0000
L29	35	CCI 6" x 1" Plate	32.50 - 41.17	Auto	0.0000
L29	36	CCI 6" x 1" Plate	32.50 - 41.17	Auto	0.0000
L29	37	CCI 6" x 1" Plate	32.50 - 41.17	Auto	0.0000
L29	38	CCI 6" x 1" Plate	32.50 - 41.17	Auto	0.0000
L29	40	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	Auto	0.0000
L29	41	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	Auto	0.0000
L29	42	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	Auto	0.0000
L29	43	CCI 6.5" x 1.25" Splice Plate	32.50 - 32.83	Auto	0.0000
L30	35	CCI 6" x 1" Plate	31.50 - 32.50	Auto	0.0000
L30	36	CCI 6" x 1" Plate	31.50 - 32.50	Auto	0.0000
L30	37	CCI 6" x 1" Plate	31.50 - 32.50	Auto	0.0000
L30	38	CCI 6" x 1" Plate	31.50 - 32.50	Auto	0.0000
L30	40	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	Auto	0.0000
L30	41	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	Auto	0.0000
L30	42	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	Auto	0.0000
L30	43	CCI 6.5" x 1.25" Splice Plate	31.50 - 32.50	Auto	0.0000
L31	30	CCI 6.5" x 1.25" Plate	26.50 - 30.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L31	31	CCI 6.5" x 1.25" Plate	26.50 - 30.00	Auto	0.0000
L31	32	CCI 6.5" x 1.25" Plate	26.50 - 30.00	Auto	0.0000
L31	33	CCI 6.5" x 1.25" Plate	26.50 - 30.00	Auto	0.0000
L31	35	CCI 6" x 1" Plate	30.08 - 31.50	Auto	0.0000
L31	36	CCI 6" x 1" Plate	30.08 - 31.50	Auto	0.0000
L31	37	CCI 6" x 1" Plate	30.08 - 31.50	Auto	0.0000
L31	38	CCI 6" x 1" Plate	30.08 - 31.50	Auto	0.0000
L31	40	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	Auto	0.0000
L31	41	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	Auto	0.0000
L31	42	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	Auto	0.0000
L31	43	CCI 6.5" x 1.25" Splice Plate	26.50 - 31.50	Auto	0.0000
L32	30	CCI 6.5" x 1.25" Plate	26.25 - 26.50	Auto	0.0000
L32	31	CCI 6.5" x 1.25" Plate	26.25 - 26.50	Auto	0.0000
L32	32	CCI 6.5" x 1.25" Plate	26.25 - 26.50	Auto	0.0000
L32	33	CCI 6.5" x 1.25" Plate	26.25 - 26.50	Auto	0.0000
L32	40	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	Auto	0.0000
L32	41	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	Auto	0.0000
L32	42	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	Auto	0.0000
L32	43	CCI 6.5" x 1.25" Splice Plate	26.25 - 26.50	Auto	0.0000
L33	30	CCI 6.5" x 1.25" Plate	21.25 - 26.25	Auto	0.0000
L33	31	CCI 6.5" x 1.25" Plate	21.25 - 26.25	Auto	0.0000
L33	32	CCI 6.5" x 1.25" Plate	21.25 - 26.25	Auto	0.0000
L33	33	CCI 6.5" x 1.25" Plate	21.25 - 26.25	Auto	0.0000
L33	40	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	Auto	0.0000
L33	41	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	Auto	0.0000
L33	42	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	Auto	0.0000
L33	43	CCI 6.5" x 1.25" Splice Plate	25.25 - 26.25	Auto	0.0000
L34	30	CCI 6.5" x 1.25" Plate	16.25 - 21.25	Auto	0.0000
L34	31	CCI 6.5" x 1.25" Plate	16.25 - 21.25	Auto	0.0000
L34	32	CCI 6.5" x 1.25" Plate	16.25 - 21.25	Auto	0.0000
L34	33	CCI 6.5" x 1.25" Plate	16.25 - 21.25	Auto	0.0000
L35	30	CCI 6.5" x 1.25" Plate	11.25 - 16.25	Auto	0.0000
L35	31	CCI 6.5" x 1.25" Plate	11.25 - 16.25	Auto	0.0000
L35	32	CCI 6.5" x 1.25" Plate	11.25 - 16.25	Auto	0.0000
L35	33	CCI 6.5" x 1.25" Plate	11.25 - 16.25	Auto	0.0000
L36	30	CCI 6.5" x 1.25" Plate	6.25 - 11.25	Auto	0.0000
L36	31	CCI 6.5" x 1.25" Plate	6.25 - 11.25	Auto	0.0000
L36	32	CCI 6.5" x 1.25" Plate	6.25 - 11.25	Auto	0.0000
L36	33	CCI 6.5" x 1.25" Plate	6.25 - 11.25	Auto	0.0000
L37	30	CCI 6.5" x 1.25" Plate	1.25 - 6.25	Auto	0.0000
L37	31	CCI 6.5" x 1.25" Plate	1.25 - 6.25	Auto	0.0000
L37	32	CCI 6.5" x 1.25" Plate	1.25 - 6.25	Auto	0.0000
L37	33	CCI 6.5" x 1.25" Plate	1.25 - 6.25	Auto	0.0000
L38	30	CCI 6.5" x 1.25" Plate	0.00 - 1.25	Auto	0.0000
L38	31	CCI 6.5" x 1.25" Plate	0.00 - 1.25	Auto	0.0000
L38	32	CCI 6.5" x 1.25" Plate	0.00 - 1.25	Auto	0.0000
L38	33	CCI 6.5" x 1.25" Plate	0.00 - 1.25	Auto	0.0000

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
Top Hat	C	None		0.000	150.500	No Ice	3.000	3.000	0.081
						1/2" Ice	3.480	3.480	0.111
						1" Ice	3.960	3.960	0.141
						2" Ice	4.920	4.920	0.201
*									
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.000 0.000	0.000	150.000	No Ice	7.550	4.230	0.110
						1/2" Ice	8.040	4.670	0.197
			1.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.000 0.000	0.000	150.000	No Ice	7.550	4.230	0.110
						1/2" Ice	8.040	4.670	0.197
			1.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.000 0.000	0.000	150.000	No Ice	7.550	4.230	0.110
						1/2" Ice	8.040	4.670	0.197
			1.000			1" Ice	8.530	5.120	0.296
						2" Ice	9.560	6.050	0.529
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.000 0.000	0.000	150.000	No Ice	4.090	2.860	0.077
						1/2" Ice	4.480	3.230	0.127
			1.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.000 0.000	0.000	150.000	No Ice	4.090	2.860	0.077
						1/2" Ice	4.480	3.230	0.127
			1.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.000 0.000	0.000	150.000	No Ice	4.090	2.860	0.077
						1/2" Ice	4.480	3.230	0.127
			1.000			1" Ice	4.880	3.610	0.185
						2" Ice	5.710	4.400	0.331
(2) TD-RRH8X20-25	A	From Leg	4.000 0.000	0.000	150.000	No Ice	4.045	1.535	0.070
						1/2" Ice	4.298	1.714	0.097
			1.000			1" Ice	4.557	1.901	0.128
						2" Ice	5.098	2.295	0.201
TD-RRH8X20-25	B	From Leg	4.000 0.000	0.000	150.000	No Ice	4.045	1.535	0.070
						1/2" Ice	4.298	1.714	0.097
			1.000			1" Ice	4.557	1.901	0.128
						2" Ice	5.098	2.295	0.201
(2) PCS 1900MHZ 4X45W-65MHZ	A	From Leg	4.000 0.000	0.000	150.000	No Ice	2.322	2.238	0.060
						1/2" Ice	2.527	2.441	0.083
			1.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.000 0.000	0.000	150.000	No Ice	2.322	2.238	0.060
						1/2" Ice	2.527	2.441	0.083
			1.000			1" Ice	2.739	2.651	0.110
						2" Ice	3.185	3.093	0.173
(4) RRH2X50-800	A	From Leg	4.000 0.000	0.000	150.000	No Ice	1.701	1.282	0.053
						1/2" Ice	1.864	1.428	0.070
			1.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
(2) RRH2X50-800	B	From Leg	4.000 0.000	0.000	150.000	No Ice	1.701	1.282	0.053
						1/2" Ice	1.864	1.428	0.070
			1.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
(3) 6' x 2" Mount Pipe	A	From Leg	4.000 0.000	0.000	150.000	No Ice	1.425	1.425	0.022
						1/2" Ice	1.925	1.925	0.033
			1.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) 6' x 2" Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
(3) 6' x 2" Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
Platform Mount [LP 1201-1_HR-1] *	C	None		0.000	150.000	No Ice 1/2" Ice 1" Ice 2" Ice	26.390 31.400 36.200 45.400	26.390 31.400 36.200 45.400	2.356 3.061 3.864 5.764
(2) APL868013-42T0	A	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.640 3.110 3.610 4.650	3.290 3.780 4.290 5.360	0.012 0.037 0.067 0.139
(2) APL868013-42T0	B	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.640 3.110 3.610 4.650	3.290 3.780 4.290 5.360	0.012 0.037 0.067 0.139
(2) APL868013-42T0	C	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.640 3.110 3.610 4.650	3.290 3.780 4.290 5.360	0.012 0.037 0.067 0.139
KS24019-L112A	A	From Leg	4.000 0.000 4.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.141 0.198 0.262 0.415	0.141 0.198 0.262 0.415	0.005 0.007 0.009 0.018
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.500 5.970 6.450 7.440	4.380 4.840 5.300 6.260	0.096 0.169 0.254 0.457
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.500 5.970 6.450 7.440	4.380 4.840 5.300 6.260	0.096 0.169 0.254 0.457
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.500 5.970 6.450 7.440	4.380 4.840 5.300 6.260	0.096 0.169 0.254 0.457
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.915 5.264 5.623 6.371	2.687 3.151 3.631 4.639	0.101 0.141 0.186 0.294
CBC78T-DS-43-2X	A	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.368 0.446 0.531 0.723	0.512 0.605 0.705 0.927	0.021 0.027 0.035 0.057

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
CBC78T-DS-43-2X	B	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.368 0.446 0.531 0.723	0.512 0.605 0.705 0.927	0.021 0.027 0.035 0.057
CBC78T-DS-43-2X	C	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.368 0.446 0.531 0.723	0.512 0.605 0.705 0.927	0.021 0.027 0.035 0.057
RFV01U-D1A	A	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D1A	B	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D1A	C	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D2A	A	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RFV01U-D2A	B	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RFV01U-D2A	C	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RVZDC-6627-PF-48	A	From Leg	4.000 0.000 1.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.792 4.044 4.303 4.844	2.514 2.727 2.947 3.417	0.032 0.063 0.099 0.181
(2) 6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
(2) 6' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
(2) 6' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
Platform Mount [LP 1201-1]	C	None		0.000	141.000	No Ice 1/2" Ice 1" Ice 2" Ice	18.380 22.110 25.870 33.470	18.380 22.110 25.870 33.470	2.100 2.652 3.263 4.662
*									
(2) 7770.00 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287

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) 7770.00 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
OPA-65R-LCUU-H6 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.190 9.940 10.710 12.300	6.210 6.930 7.660 9.170	0.106 0.175 0.256 0.451
OPA-65R-LCUU-H6 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.190 9.940 10.710 12.300	6.210 6.930 7.660 9.170	0.106 0.175 0.256 0.451
OPA-65R-LCUU-H6 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	9.190 9.940 10.710 12.300	6.210 6.930 7.660 9.170	0.106 0.175 0.256 0.451
RRUS 11	A	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 11	B	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 11	C	From Leg	4.000 0.000 1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 12 B2	A	From Leg	4.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.143 3.363 3.590 4.067	1.282 1.434 1.595 1.950	0.049 0.073 0.099 0.162
RRUS 12 B2	B	From Leg	4.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.143 3.363 3.590 4.067	1.282 1.434 1.595 1.950	0.049 0.073 0.099 0.162
RRUS 12 B2	C	From Leg	4.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.143 3.363 3.590 4.067	1.282 1.434 1.595 1.950	0.049 0.073 0.099 0.162
RRUS A2 B2	A	From Leg	4.000 0.000 -4.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.196 2.380 2.572 2.977	0.539 0.653 0.774 1.036	0.022 0.035 0.051 0.092
RRUS A2 B2	B	From Leg	4.000 0.000 -4.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.196 2.380 2.572 2.977	0.539 0.653 0.774 1.036	0.022 0.035 0.051 0.092
RRUS A2 B2	C	From Leg	4.000 0.000 -4.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.196 2.380 2.572 2.977	0.539 0.653 0.774 1.036	0.022 0.035 0.051 0.092
LGP21401	A	From Leg	4.000	0.000	132.000	No Ice	1.104	0.207	0.014

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
			0.000			1/2" Ice	1.239	0.274	0.021
			1.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
LGP21401	B	From Leg	4.000	0.000	132.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			1.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
LGP21401	C	From Leg	4.000	0.000	132.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			1.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
LGP21401	A	From Leg	4.000	0.000	132.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			-3.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
LGP21401	B	From Leg	4.000	0.000	132.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			-3.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
LGP21401	C	From Leg	4.000	0.000	132.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			-3.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
DC6-48-60-18-8F	A	From Leg	4.000	0.000	132.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			2.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
Platform Mount [LP 1201-1_HR-1]	C	None		0.000	132.000	No Ice	26.390	26.390	2.356
						1/2" Ice	31.400	31.400	3.061
						1" Ice	36.200	36.200	3.864
						2" Ice	45.400	45.400	5.764
*									
MX08FRO665-20 w/ Mount Pipe	A	From Leg	4.000	0.000	121.000	No Ice	8.010	4.230	0.098
			0.000			1/2" Ice	8.520	4.690	0.184
			0.000			1" Ice	9.040	5.160	0.281
						2" Ice	10.110	6.120	0.512
MX08FRO665-20 w/ Mount Pipe	B	From Leg	4.000	0.000	121.000	No Ice	8.010	4.230	0.098
			0.000			1/2" Ice	8.520	4.690	0.184
			0.000			1" Ice	9.040	5.160	0.281
						2" Ice	10.110	6.120	0.512
MX08FRO665-20 w/ Mount Pipe	C	From Leg	4.000	0.000	121.000	No Ice	8.010	4.230	0.098
			0.000			1/2" Ice	8.520	4.690	0.184
			0.000			1" Ice	9.040	5.160	0.281
						2" Ice	10.110	6.120	0.512
TA08025-B604	A	From Leg	4.000	0.000	121.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
						2" Ice	2.705	1.548	0.148
TA08025-B604	B	From Leg	4.000	0.000	121.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
						2" Ice	2.705	1.548	0.148
TA08025-B604	C	From Leg	4.000	0.000	121.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
						2" Ice	2.705	1.548	0.148
TA08025-B605	A	From Leg	4.000	0.000	121.000	No Ice	1.964	1.129	0.075

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
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
						2" Ice	2.705	1.723	0.164
TA08025-B605	B	From Leg	4.000	0.000	121.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
						2" Ice	2.705	1.723	0.164
TA08025-B605	C	From Leg	4.000	0.000	121.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
						2" Ice	2.705	1.723	0.164
RDIDC-9181-PF-48	B	From Leg	4.000	0.000	121.000	No Ice	2.012	1.168	0.022
			0.000			1/2" Ice	2.189	1.311	0.040
			0.000			1" Ice	2.373	1.461	0.060
						2" Ice	2.763	1.784	0.110
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	121.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	121.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	121.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Commscope MC-K6MHDX-9-96 (3)	C	None		0.000	121.000	No Ice	15.300	15.300	1.190
						1/2" Ice	20.480	20.480	1.710
						1" Ice	25.660	25.660	2.220
						2" Ice	36.020	36.020	3.250
*									
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000	0.000	111.000	No Ice	14.690	6.870	0.186
			0.000			1/2" Ice	15.460	7.550	0.315
			-1.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000	0.000	111.000	No Ice	14.690	6.870	0.186
			0.000			1/2" Ice	15.460	7.550	0.315
			-1.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000	0.000	111.000	No Ice	14.690	6.870	0.186
			0.000			1/2" Ice	15.460	7.550	0.315
			-1.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
(2) KRY 112 144/1	A	From Leg	4.000	0.000	111.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			-1.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
KRY 112 144/1	B	From Leg	4.000	0.000	111.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			-1.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
(2) RADIO 4449 B12/B71	A	From Leg	4.000	0.000	111.000	No Ice	1.650	1.163	0.074
			0.000			1/2" Ice	1.810	1.301	0.090
			-1.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
RADIO 4449 B12/B71	B	From Leg	4.000	0.000	111.000	No Ice	1.650	1.163	0.074

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	1.810	1.301	0.090
			-1.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
KRY 112 489/2	B	From Leg	4.000	0.000	111.000	No Ice	0.559	0.365	0.015
			0.000			1/2" Ice	0.658	0.448	0.020
			-1.000			1" Ice	0.764	0.542	0.027
						2" Ice	0.998	0.752	0.046
(2) KRY 112 489/2	C	From Leg	4.000	0.000	111.000	No Ice	0.559	0.365	0.015
			0.000			1/2" Ice	0.658	0.448	0.020
			-1.000			1" Ice	0.764	0.542	0.027
						2" Ice	0.998	0.752	0.046
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	111.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	111.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	111.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Platform Mount [LP 303-1_HR-1]	C	None		0.000	111.000	No Ice	17.090	17.090	1.495
						1/2" Ice	21.470	21.470	1.881
						1" Ice	25.720	25.720	2.346
						2" Ice	33.960	33.960	3.518
*									
KS24019-L112A	B	From Leg	3.000	0.000	104.000	No Ice	0.141	0.141	0.005
			0.000			1/2" Ice	0.198	0.198	0.007
			0.000			1" Ice	0.262	0.262	0.009
						2" Ice	0.415	0.415	0.018
Side Arm Mount [SO 701-1]	B	From Leg	0.500	0.000	104.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
*									
SC479-HF1LDF	A	From Leg	4.000	0.000	88.000	No Ice	5.031	5.031	0.034
			0.000			1/2" Ice	6.506	6.506	0.070
			7.000			1" Ice	7.998	7.998	0.115
						2" Ice	10.732	10.732	0.233
SC479-HF1LDF	C	From Leg	4.000	0.000	88.000	No Ice	5.031	5.031	0.034
			0.000			1/2" Ice	6.506	6.506	0.070
			7.000			1" Ice	7.998	7.998	0.115
						2" Ice	10.732	10.732	0.233
428E-83I-01-T	C	From Leg	4.000	0.000	88.000	No Ice	0.395	0.462	0.009
			0.000			1/2" Ice	0.479	0.551	0.014
			0.000			1" Ice	0.570	0.647	0.020
						2" Ice	0.774	0.861	0.039
Side Arm Mount [SO 306-1]	A	From Leg	2.000	0.000	88.000	No Ice	0.410	2.260	0.042
			0.000			1/2" Ice	0.810	3.830	0.062
			0.000			1" Ice	1.230	5.480	0.094
						2" Ice	2.080	9.370	0.187
Side Arm Mount [SO 306-1]	C	From Leg	2.000	0.000	88.000	No Ice	0.410	2.260	0.042
			0.000			1/2" Ice	0.810	3.830	0.062
			0.000			1" Ice	1.230	5.480	0.094
						2" Ice	2.080	9.370	0.187

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
*									
BA80-41-DIN	B	From Leg	4.000 0.000 10.000	0.000	82.000	No Ice 1/2" Ice 1" Ice 2" Ice	8.156 10.998 13.125 17.430	8.156 10.998 13.125 17.430	0.070 0.129 0.204 0.393
Side Arm Mount [SO 306-1]	B	From Leg	2.000 0.000 0.000	0.000	82.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.410 0.810 1.230 2.080	2.260 3.830 5.480 9.370	0.042 0.062 0.094 0.187
*									
10' x 2" Mount Pipe	A	From Leg	1.000 0.000 0.000	0.000	87.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.375 3.403 4.448 5.911	2.375 3.403 4.448 5.911	0.037 0.054 0.079 0.148
10' x 2" Mount Pipe	B	From Leg	1.000 0.000 0.000	0.000	87.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.375 3.403 4.448 5.911	2.375 3.403 4.448 5.911	0.037 0.054 0.079 0.148
10' x 2" Mount Pipe	C	From Leg	1.000 0.000 0.000	0.000	87.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.375 3.403 4.448 5.911	2.375 3.403 4.448 5.911	0.037 0.054 0.079 0.148
Side Arm Mount [SO 102-3]	C	None		0.000	88.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
Side Arm Mount [SO 102-3]	C	None		0.000	85.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
Side Arm Mount [SO 102-3]	C	None		0.000	82.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
*									

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

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	150 - 145	Pole	Max Tension	26	0.000	0.000	-0.000
			Max. Compression	26	-10.562	-2.483	4.283
			Max. Mx	8	-4.582	-29.228	1.453
			Max. My	2	-4.547	-0.656	31.605
			Max. Vy	8	5.236	-29.228	1.453
			Max. Vx	2	-5.487	-0.656	31.605
			Max. Torque	22			-2.780
L2	145 - 140	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-20.851	-2.515	5.112
			Max. Mx	8	-9.059	-63.524	1.286
			Max. My	2	-9.010	-0.307	67.478
			Max. Vy	8	9.964	-63.524	1.286
			Max. Vx	2	-10.271	-0.307	67.478
			Max. Torque	22			-3.220

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L3	140 - 135	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-21.605	-2.564	5.177
			Max. Mx	8	-9.524	-114.563	0.949
			Max. My	2	-9.476	0.045	120.049
			Max. Vy	8	10.456	-114.563	0.949
			Max. Vx	2	-10.763	0.045	120.049
			Max. Torque	22			-3.220
L4	135 - 130	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-31.506	-2.618	5.823
			Max. Mx	8	-13.824	-178.181	0.789
			Max. My	2	-13.768	0.398	185.413
			Max. Vy	8	15.254	-178.181	0.789
			Max. Vx	2	-15.568	0.398	185.413
			Max. Torque	22			-3.426
L5	130 - 125	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-32.381	-2.679	5.903
			Max. Mx	8	-14.423	-255.678	0.448
			Max. My	2	-14.369	0.754	264.475
			Max. Vy	8	15.754	-255.678	0.448
			Max. Vx	2	-16.068	0.754	264.475
			Max. Torque	22			-3.426
L6	125 - 120	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-38.937	-3.136	5.756
			Max. Mx	8	-17.372	-338.122	0.033
			Max. My	2	-17.317	1.021	348.284
			Max. Vy	8	18.583	-338.122	0.033
			Max. Vx	2	-18.885	1.021	348.284
			Max. Torque	22			-3.425
L7	120 - 115	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-39.902	-3.243	5.855
			Max. Mx	8	-18.052	-432.249	-0.371
			Max. My	2	-18.000	1.430	443.908
			Max. Vy	8	19.076	-432.249	-0.371
			Max. Vx	2	-19.377	1.430	443.908
			Max. Torque	22			-3.424
L8	115 - 108	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.563	-3.310	5.915
			Max. Mx	8	-18.528	-494.749	-0.635
			Max. My	2	-18.478	1.697	507.378
			Max. Vy	8	19.396	-494.749	-0.635
			Max. Vx	2	-19.697	1.697	507.378
			Max. Torque	22			-3.423
L9	108 - 106.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.561	-4.020	7.053
			Max. Mx	8	-22.561	-603.638	-0.426
			Max. My	2	-22.507	1.762	618.133
			Max. Vy	8	22.650	-603.638	-0.426
			Max. Vx	2	-22.979	1.762	618.133
			Max. Torque	22			-3.727
L10	106.75 - 101.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.901	-4.361	7.010
			Max. Mx	8	-23.583	-718.339	-0.915
			Max. My	2	-23.531	2.044	734.279
			Max. Vy	8	23.196	-718.339	-0.915
			Max. Vx	2	-23.541	2.044	734.279
			Max. Torque	22			-3.727
L11	101.75 - 96.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.138	-4.464	7.093
			Max. Mx	8	-24.556	-835.494	-1.289
			Max. My	2	-24.507	2.418	853.145

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	23.683	-835.494	-1.289
			Max. Vx	2	-24.027	2.418	853.145
			Max. Torque	22			-3.725
L12	96.75 - 91.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.410	-4.563	7.167
			Max. Mx	8	-25.559	-955.066	-1.664
			Max. My	2	-25.514	2.791	974.420
			Max. Vy	8	24.165	-955.066	-1.664
			Max. Vx	2	-24.507	2.791	974.420
			Max. Torque	22			-3.723
L13	91.75 - 89.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-53.059	-4.606	7.197
			Max. Mx	8	-26.019	-1009.656	-1.834
			Max. My	2	-25.975	2.959	1029.774
			Max. Vy	8	24.382	-1009.656	-1.834
			Max. Vx	2	-24.723	2.959	1029.774
			Max. Torque	22			-3.721
L14	89.5 - 89.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-53.150	-4.611	7.202
			Max. Mx	8	-26.099	-1015.752	-1.853
			Max. My	2	-26.056	2.975	1035.955
			Max. Vy	8	24.396	-1015.752	-1.853
			Max. Vx	2	-24.742	2.975	1035.955
			Max. Torque	22			-3.721
L15	89.25 - 84.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.321	-3.352	7.885
			Max. Mx	8	-27.902	-1145.067	-2.227
			Max. My	2	-27.862	3.783	1167.388
			Max. Vy	8	26.052	-1145.067	-2.227
			Max. Vx	2	-26.358	3.783	1167.388
			Max. Torque	20			-3.882
L16	84.25 - 79.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-58.787	-5.264	6.897
			Max. Mx	8	-29.499	-1281.954	-2.942
			Max. My	2	-29.459	3.790	1305.024
			Max. Vy	8	27.113	-1281.954	-2.942
			Max. Vx	2	-27.454	3.790	1305.024
			Max. Torque	20			-3.882
L17	79.25 - 69.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.543	-5.353	6.951
			Max. Mx	8	-30.857	-1411.891	-3.308
			Max. My	2	-30.819	4.152	1436.570
			Max. Vy	8	27.615	-1411.891	-3.308
			Max. Vx	2	-27.956	4.152	1436.570
			Max. Torque	22			-3.631
L18	69.75 - 68.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-63.813	-5.461	7.016
			Max. Mx	8	-33.304	-1572.672	-3.753
			Max. My	2	-33.268	4.589	1599.297
			Max. Vy	8	28.304	-1572.672	-3.753
			Max. Vx	2	-28.645	4.589	1599.297
			Max. Torque	22			-3.630
L19	68.75 - 67.417	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-64.266	-5.488	7.036
			Max. Mx	8	-33.642	-1610.464	-3.856
			Max. My	2	-33.608	4.690	1637.539
			Max. Vy	8	28.431	-1610.464	-3.856
			Max. Vx	2	-28.771	4.690	1637.539
			Max. Torque	22			-3.629
L20	67.417 - 67.167	Pole	Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-64.351	-5.494	7.040
			Max. Mx	8	-33.723	-1617.570	-3.876
			Max. My	2	-33.688	4.709	1644.730
			Max. Vy	8	28.435	-1617.570	-3.876
			Max. Vx	2	-28.781	4.709	1644.730
			Max. Torque	22			-3.629
L21	67.167 - 62.167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.066	-5.593	7.109
			Max. Mx	8	-35.021	-1760.862	-4.264
			Max. My	2	-34.990	5.090	1789.705
			Max. Vy	8	28.896	-1760.862	-4.264
			Max. Vx	2	-29.235	5.090	1789.705
			Max. Torque	22			-3.629
L22	62.167 - 57.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.765	-5.661	7.173
			Max. Mx	8	-36.246	-1894.178	-4.619
			Max. My	2	-36.219	5.438	1924.555
			Max. Vy	8	29.301	-1894.178	-4.619
			Max. Vx	2	-29.637	5.438	1924.555
			Max. Torque	22			-3.627
L23	57.583 - 57.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.906	-5.665	7.178
			Max. Mx	8	-36.368	-1901.503	-4.639
			Max. My	2	-36.341	5.456	1931.964
			Max. Vy	8	29.310	-1901.503	-4.639
			Max. Vx	2	-29.650	5.456	1931.964
			Max. Torque	22			-3.626
L24	57.333 - 56.417	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.422	-5.674	7.190
			Max. Mx	8	-36.756	-1928.397	-4.709
			Max. My	2	-36.729	5.526	1959.163
			Max. Vy	8	29.416	-1928.397	-4.709
			Max. Vx	2	-29.752	5.526	1959.163
			Max. Torque	22			-3.626
L25	56.417 - 56.167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.544	-5.677	7.194
			Max. Mx	8	-36.851	-1935.753	-4.728
			Max. My	2	-36.824	5.544	1966.603
			Max. Vy	8	29.435	-1935.753	-4.728
			Max. Vx	2	-29.776	5.544	1966.603
			Max. Torque	22			-3.626
L26	56.167 - 51.167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.908	-5.720	7.250
			Max. Mx	8	-38.651	-2084.190	-5.114
			Max. My	2	-38.627	5.922	2116.704
			Max. Vy	8	29.948	-2084.190	-5.114
			Max. Vx	2	-30.283	5.922	2116.704
			Max. Torque	22			-3.626
L27	51.167 - 46.167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-73.246	-5.745	7.279
			Max. Mx	8	-40.487	-2235.111	-5.499
			Max. My	2	-40.466	6.297	2269.283
			Max. Vy	8	30.439	-2235.111	-5.499
			Max. Vx	2	-30.773	6.297	2269.283

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	22			-3.625
L28	46.167 - 41.167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.609	-5.760	7.297
			Max. Mx	8	-42.354	-2388.439	-5.884
			Max. My	2	-42.335	6.672	2424.263
			Max. Vy	8	30.912	-2388.439	-5.884
			Max. Vx	2	-31.245	6.672	2424.263
			Max. Torque	22			-3.624
L29	41.167 - 32.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-77.126	-5.769	7.310
			Max. Mx	8	-43.552	-2486.755	-6.127
			Max. My	2	-43.534	6.908	2523.620
			Max. Vy	8	31.197	-2486.755	-6.127
			Max. Vx	2	-31.528	6.908	2523.620
			Max. Torque	22			-3.623
L30	32.5 - 31.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-81.995	-5.778	7.337
			Max. Mx	8	-47.293	-2691.731	-6.625
			Max. My	2	-47.278	7.392	2730.730
			Max. Vy	8	31.868	-2691.731	-6.625
			Max. Vx	2	-32.199	7.392	2730.730
			Max. Torque	22			-3.623
L31	31.5 - 26.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.303	-5.746	7.368
			Max. Mx	8	-48.953	-2851.853	-7.008
			Max. My	2	-48.941	7.764	2892.483
			Max. Vy	8	32.215	-2851.853	-7.008
			Max. Vx	2	-32.543	7.764	2892.483
			Max. Torque	22			-3.622
L32	26.5 - 26.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.453	-5.744	7.370
			Max. Mx	8	-49.080	-2859.905	-7.027
			Max. My	2	-49.068	7.783	2900.616
			Max. Vy	8	32.218	-2859.905	-7.027
			Max. Vx	2	-32.549	7.783	2900.616
			Max. Torque	22			-3.622
L33	26.25 - 21.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-87.290	-5.748	7.392
			Max. Mx	8	-51.371	-3022.084	-7.408
			Max. My	2	-51.361	8.151	3064.414
			Max. Vy	8	32.663	-3022.084	-7.408
			Max. Vx	2	-32.989	8.151	3064.414
			Max. Torque	22			-3.622
L34	21.25 - 16.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-90.110	-5.761	7.413
			Max. Mx	8	-53.701	-3186.428	-7.787
			Max. My	2	-53.693	8.518	3230.369
			Max. Vy	8	33.096	-3186.428	-7.787
			Max. Vx	2	-33.420	8.518	3230.369
			Max. Torque	22			-3.621
L35	16.25 - 11.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-92.947	-5.775	7.434
			Max. Mx	8	-56.062	-3352.937	-8.165
			Max. My	2	-56.056	8.884	3398.479
			Max. Vy	8	33.529	-3352.937	-8.165
			Max. Vx	2	-33.852	8.884	3398.479
			Max. Torque	22			-3.621
L36	11.25 - 6.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-95.792	-5.789	7.455
			Max. Mx	8	-58.454	-3521.608	-8.541

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-58.452	9.247	3568.742
			Max. Vy	8	33.962	-3521.608	-8.541
			Max. Vx	2	-34.282	9.247	3568.742
			Max. Torque	22			-3.621
L37	6.25 - 1.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-98.623	-5.805	7.476
			Max. Mx	8	-60.878	-3692.442	-8.916
			Max. My	2	-60.877	9.607	3741.155
			Max. Vy	8	34.395	-3692.442	-8.916
			Max. Vx	2	-34.713	9.607	3741.155
			Max. Torque	22			-3.621
L38	1.25 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-99.315	-5.809	7.481
			Max. Mx	8	-61.487	-3735.489	-9.009
			Max. My	2	-61.487	9.697	3784.595
			Max. Vy	8	34.508	-3735.489	-9.009
			Max. Vx	2	-34.826	9.697	3784.595
			Max. Torque	22			-3.621

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	99.315	-0.000	0.000
	Max. H_x	21	46.125	34.487	0.077
	Max. H_z	2	61.499	0.077	34.804
	Max. M_x	2	3784.595	0.077	34.804
	Max. M_z	8	3735.489	-34.487	-0.077
	Max. Torsion	10	3.602	-29.905	-17.468
	Min. Vert	19	46.125	29.836	-17.340
	Min. H_x	9	46.125	-34.487	-0.077
	Min. H_z	15	46.125	-0.077	-34.804
	Min. M_x	14	-3777.766	-0.077	-34.804
	Min. M_z	20	-3730.044	34.487	0.077
	Min. Torsion	22	-3.621	29.905	17.468

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	51.250	0.000	-0.000	-2.733	-2.184	-0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	61.499	-0.077	-34.804	-3784.595	9.697	2.357
0.9 Dead+1.0 Wind 0 deg - No Ice	46.125	-0.077	-34.804	-3735.421	10.227	2.324
1.2 Dead+1.0 Wind 30 deg - No Ice	61.499	17.177	-30.103	-3271.884	-1858.316	0.633
0.9 Dead+1.0 Wind 30 deg - No Ice	46.125	17.177	-30.103	-3229.264	-1833.997	0.635
1.2 Dead+1.0 Wind 60 deg - No Ice	61.499	29.836	-17.340	-1883.471	-3229.424	-1.255

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
0.9 Dead+1.0 Wind 60 deg - No Ice	46.125	29.836	-17.340	-1858.586	-3187.634	-1.218
1.2 Dead+1.0 Wind 90 deg - No Ice	61.499	34.487	0.077	9.010	-3735.489	-2.803
0.9 Dead+1.0 Wind 90 deg - No Ice	46.125	34.487	0.077	9.732	-3687.236	-2.740
1.2 Dead+1.0 Wind 120 deg - No Ice	61.499	29.905	17.468	1897.983	-3241.516	-3.602
0.9 Dead+1.0 Wind 120 deg - No Ice	46.125	29.905	17.468	1874.600	-3199.542	-3.531
1.2 Dead+1.0 Wind 150 deg - No Ice	61.499	17.314	30.187	3277.633	-1879.885	-3.442
0.9 Dead+1.0 Wind 150 deg - No Ice	46.125	17.314	30.187	3236.663	-1855.238	-3.382
1.2 Dead+1.0 Wind 180 deg - No Ice	61.499	0.077	34.804	3777.766	-15.116	-2.365
0.9 Dead+1.0 Wind 180 deg - No Ice	46.125	0.077	34.804	3730.431	-14.199	-2.332
1.2 Dead+1.0 Wind 210 deg - No Ice	61.499	-17.177	30.103	3265.050	1852.874	-0.652
0.9 Dead+1.0 Wind 210 deg - No Ice	46.125	-17.177	30.103	3224.272	1830.008	-0.654
1.2 Dead+1.0 Wind 240 deg - No Ice	61.499	-29.836	17.340	1876.655	3223.969	1.244
0.9 Dead+1.0 Wind 240 deg - No Ice	46.125	-29.836	17.340	1853.608	3183.635	1.207
1.2 Dead+1.0 Wind 270 deg - No Ice	61.499	-34.487	-0.077	-15.806	3730.044	2.811
0.9 Dead+1.0 Wind 270 deg - No Ice	46.125	-34.487	-0.077	-14.696	3683.245	2.748
1.2 Dead+1.0 Wind 300 deg - No Ice	61.499	-29.905	-17.468	-1904.778	3236.095	3.621
0.9 Dead+1.0 Wind 300 deg - No Ice	46.125	-29.905	-17.468	-1879.563	3195.567	3.549
1.2 Dead+1.0 Wind 330 deg - No Ice	61.499	-17.314	-30.187	-3284.446	1874.477	3.453
0.9 Dead+1.0 Wind 330 deg - No Ice	46.125	-17.314	-30.187	-3241.639	1851.273	3.393
1.2 Dead+1.0 Ice+1.0 Temp	99.315	0.000	-0.000	-7.481	-5.809	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	99.315	-0.010	-7.390	-861.318	-3.987	0.568
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	99.315	3.659	-6.395	-745.980	-426.769	0.182
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	99.315	6.348	-3.687	-432.798	-736.785	-0.252
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	99.315	7.336	0.010	-5.690	-850.966	-0.619
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	99.315	6.358	3.704	420.899	-738.715	-0.820
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	99.315	3.677	6.405	732.664	-430.114	-0.802
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	99.315	0.010	7.390	846.071	-7.851	-0.569
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	99.315	-3.659	6.395	730.732	414.929	-0.184
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	99.315	-6.348	3.687	417.552	724.944	0.251
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	99.315	-7.336	-0.010	-9.554	839.125	0.619
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	99.315	-6.358	-3.704	-436.143	726.877	0.820

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	99.315	-3.677	-6.405	-747.910	418.276	0.802
Dead+Wind 0 deg - Service	51.250	-0.015	-6.984	-756.103	0.220	0.474
Dead+Wind 30 deg - Service	51.250	3.447	-6.041	-653.949	-371.923	0.125
Dead+Wind 60 deg - Service	51.250	5.987	-3.480	-377.350	-645.058	-0.256
Dead+Wind 90 deg - Service	51.250	6.920	0.015	-0.349	-745.872	-0.569
Dead+Wind 120 deg - Service	51.250	6.001	3.505	375.965	-647.478	-0.729
Dead+Wind 150 deg - Service	51.250	3.474	6.058	650.829	-376.222	-0.695
Dead+Wind 180 deg - Service	51.250	0.015	6.984	750.470	-4.715	-0.474
Dead+Wind 210 deg - Service	51.250	-3.447	6.041	648.316	367.427	-0.126
Dead+Wind 240 deg - Service	51.250	-5.987	3.480	371.718	640.562	0.256
Dead+Wind 270 deg - Service	51.250	-6.920	-0.015	-5.284	741.376	0.569
Dead+Wind 300 deg - Service	51.250	-6.001	-3.505	-381.597	642.983	0.730
Dead+Wind 330 deg - Service	51.250	-3.474	-6.058	-656.462	371.728	0.695

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.000	-51.250	0.000	-0.000	51.250	0.000	0.000%
2	-0.077	-61.499	-34.804	0.077	61.499	34.804	0.000%
3	-0.077	-46.125	-34.804	0.077	46.125	34.804	0.000%
4	17.177	-61.499	-30.103	-17.177	61.499	30.103	0.000%
5	17.177	-46.125	-30.103	-17.177	46.125	30.103	0.000%
6	29.836	-61.499	-17.340	-29.836	61.499	17.340	0.000%
7	29.836	-46.125	-17.340	-29.836	46.125	17.340	0.000%
8	34.487	-61.499	0.077	-34.487	61.499	-0.077	0.000%
9	34.487	-46.125	0.077	-34.487	46.125	-0.077	0.000%
10	29.905	-61.499	17.468	-29.905	61.499	-17.468	0.000%
11	29.905	-46.125	17.468	-29.905	46.125	-17.468	0.000%
12	17.314	-61.499	30.187	-17.314	61.499	-30.187	0.000%
13	17.314	-46.125	30.187	-17.314	46.125	-30.187	0.000%
14	0.077	-61.499	34.804	-0.077	61.499	-34.804	0.000%
15	0.077	-46.125	34.804	-0.077	46.125	-34.804	0.000%
16	-17.177	-61.499	30.103	17.177	61.499	-30.103	0.000%
17	-17.177	-46.125	30.103	17.177	46.125	-30.103	0.000%
18	-29.836	-61.499	17.340	29.836	61.499	-17.340	0.000%
19	-29.836	-46.125	17.340	29.836	46.125	-17.340	0.000%
20	-34.487	-61.499	-0.077	34.487	61.499	0.077	0.000%
21	-34.487	-46.125	-0.077	34.487	46.125	0.077	0.000%
22	-29.905	-61.499	-17.468	29.905	61.499	17.468	0.000%
23	-29.905	-46.125	-17.468	29.905	46.125	17.468	0.000%
24	-17.314	-61.499	-30.187	17.314	61.499	30.187	0.000%
25	-17.314	-46.125	-30.187	17.314	46.125	30.187	0.000%
26	0.000	-99.315	0.000	-0.000	99.315	0.000	0.000%
27	-0.010	-99.315	-7.390	0.010	99.315	7.390	0.000%
28	3.659	-99.315	-6.395	-3.659	99.315	6.395	0.000%
29	6.348	-99.315	-3.687	-6.348	99.315	3.687	0.000%
30	7.336	-99.315	0.010	-7.336	99.315	-0.010	0.000%
31	6.358	-99.315	3.704	-6.358	99.315	-3.704	0.000%
32	3.677	-99.315	6.405	-3.677	99.315	-6.405	0.000%
33	0.010	-99.315	7.390	-0.010	99.315	-7.390	0.000%
34	-3.659	-99.315	6.395	3.659	99.315	-6.395	0.000%
35	-6.348	-99.315	3.687	6.348	99.315	-3.687	0.000%
36	-7.336	-99.315	-0.010	7.336	99.315	0.010	0.000%
37	-6.358	-99.315	-3.704	6.358	99.315	3.704	0.000%
38	-3.677	-99.315	-6.405	3.677	99.315	6.405	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
39	-0.015	-51.250	-6.984	0.015	51.250	6.984	0.000%
40	3.447	-51.250	-6.041	-3.447	51.250	6.041	0.000%
41	5.987	-51.250	-3.480	-5.987	51.250	3.480	0.000%
42	6.920	-51.250	0.015	-6.920	51.250	-0.015	0.000%
43	6.001	-51.250	3.505	-6.001	51.250	-3.505	0.000%
44	3.474	-51.250	6.058	-3.474	51.250	-6.058	0.000%
45	0.015	-51.250	6.984	-0.015	51.250	-6.984	0.000%
46	-3.447	-51.250	6.041	3.447	51.250	-6.041	0.000%
47	-5.987	-51.250	3.480	5.987	51.250	-3.480	0.000%
48	-6.920	-51.250	-0.015	6.920	51.250	0.015	0.000%
49	-6.001	-51.250	-3.505	6.001	51.250	3.505	0.000%
50	-3.474	-51.250	-6.058	3.474	51.250	6.058	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000927
2	Yes	5	0.00000001	0.00098314
3	Yes	5	0.00000001	0.00045854
4	Yes	7	0.00000001	0.00007077
5	Yes	6	0.00000001	0.00037475
6	Yes	7	0.00000001	0.00007169
7	Yes	6	0.00000001	0.00037990
8	Yes	6	0.00000001	0.00008740
9	Yes	5	0.00000001	0.00062722
10	Yes	7	0.00000001	0.00006714
11	Yes	6	0.00000001	0.00035571
12	Yes	7	0.00000001	0.00007506
13	Yes	6	0.00000001	0.00039823
14	Yes	6	0.00000001	0.00008358
15	Yes	5	0.00000001	0.00060156
16	Yes	7	0.00000001	0.00006908
17	Yes	6	0.00000001	0.00036649
18	Yes	7	0.00000001	0.00006778
19	Yes	6	0.00000001	0.00035987
20	Yes	6	0.00000001	0.00010690
21	Yes	5	0.00000001	0.00076981
22	Yes	7	0.00000001	0.00007511
23	Yes	6	0.00000001	0.00039863
24	Yes	7	0.00000001	0.00006756
25	Yes	6	0.00000001	0.00035745
26	Yes	5	0.00000001	0.00022540
27	Yes	7	0.00000001	0.00015025
28	Yes	7	0.00000001	0.00016750
29	Yes	7	0.00000001	0.00016663
30	Yes	7	0.00000001	0.00014749
31	Yes	7	0.00000001	0.00016193
32	Yes	7	0.00000001	0.00016286
33	Yes	7	0.00000001	0.00014390
34	Yes	7	0.00000001	0.00015745
35	Yes	7	0.00000001	0.00015676
36	Yes	7	0.00000001	0.00014330
37	Yes	7	0.00000001	0.00016400
38	Yes	7	0.00000001	0.00016463
39	Yes	5	0.00000001	0.00006760

40	Yes	5	0.00000001	0.00018652
41	Yes	5	0.00000001	0.00019422
42	Yes	5	0.00000001	0.00007640
43	Yes	5	0.00000001	0.00016695
44	Yes	5	0.00000001	0.00021367
45	Yes	5	0.00000001	0.00006787
46	Yes	5	0.00000001	0.00017193
47	Yes	5	0.00000001	0.00016541
48	Yes	5	0.00000001	0.00007719
49	Yes	5	0.00000001	0.00021614
50	Yes	5	0.00000001	0.00016823

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 145	19.007	39	1.171	0.008
L2	145 - 140	17.783	39	1.165	0.007
L3	140 - 135	16.569	39	1.154	0.007
L4	135 - 130	15.370	39	1.134	0.006
L5	130 - 125	14.196	39	1.107	0.005
L6	125 - 120	13.054	39	1.072	0.004
L7	120 - 115	11.953	39	1.030	0.004
L8	115 - 108	10.900	39	0.981	0.003
L9	111.75 - 106.75	10.244	39	0.945	0.003
L10	106.75 - 101.75	9.269	39	0.913	0.003
L11	101.75 - 96.75	8.341	39	0.859	0.002
L12	96.75 - 91.75	7.471	39	0.801	0.002
L13	91.75 - 89.5	6.663	39	0.741	0.002
L14	89.5 - 89.25	6.321	39	0.714	0.002
L15	89.25 - 84.25	6.283	39	0.712	0.002
L16	84.25 - 79.25	5.559	39	0.671	0.001
L17	79.25 - 69.75	4.878	39	0.629	0.001
L18	74.5 - 68.75	4.273	39	0.588	0.001
L19	68.75 - 67.417	3.583	39	0.552	0.001
L20	67.417 - 67.167	3.431	39	0.536	0.001
L21	67.167 - 62.167	3.403	39	0.533	0.001
L22	62.167 - 57.583	2.876	39	0.474	0.001
L23	57.583 - 57.333	2.447	39	0.419	0.001
L24	57.333 - 56.417	2.425	39	0.417	0.001
L25	56.417 - 56.167	2.346	39	0.411	0.001
L26	56.167 - 51.167	2.324	39	0.409	0.001
L27	51.167 - 46.167	1.916	39	0.370	0.001
L28	46.167 - 41.167	1.550	39	0.330	0.001
L29	41.167 - 32.5	1.225	39	0.290	0.000
L30	38 - 31.5	1.041	39	0.265	0.000
L31	31.5 - 26.5	0.701	39	0.229	0.000
L32	26.5 - 26.25	0.488	39	0.177	0.000
L33	26.25 - 21.25	0.479	39	0.175	0.000
L34	21.25 - 16.25	0.313	39	0.142	0.000
L35	16.25 - 11.25	0.183	39	0.108	0.000
L36	11.25 - 6.25	0.087	39	0.075	0.000
L37	6.25 - 1.25	0.027	39	0.041	0.000
L38	1.25 - 0	0.001	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
150.500	Top Hat	39	19.007	1.171	0.008	31743
150.000	NNVV-65B-R4 w/ Mount Pipe	39	19.007	1.171	0.008	31743
141.000	(2) APL868013-42T0	39	16.810	1.156	0.007	20357
132.000	(2) 7770.00 w/ Mount Pipe	39	14.662	1.119	0.005	10314
121.000	MX08FRO665-20 w/ Mount Pipe	39	12.170	1.039	0.004	6490
111.000	APXVAARR24_43-U-NA20 w/ Mount Pipe	39	10.096	0.939	0.003	7241
104.000	KS24019-L112A	39	8.752	0.885	0.003	5518
88.000	SC479-HF1LDF	39	6.098	0.702	0.002	6309
87.000	10' x 2" Mount Pipe	39	5.952	0.694	0.002	6669
85.000	Side Arm Mount [SO 102-3]	39	5.665	0.677	0.002	6982
82.000	BA80-41-DIN	39	5.247	0.653	0.001	6651

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 145	94.867	2	5.815	0.040
L2	145 - 140	88.797	2	5.793	0.035
L3	140 - 135	82.765	2	5.742	0.032
L4	135 - 130	76.806	2	5.651	0.028
L5	130 - 125	70.961	2	5.523	0.025
L6	125 - 120	65.272	2	5.351	0.022
L7	120 - 115	59.782	2	5.143	0.019
L8	115 - 108	54.528	2	4.900	0.016
L9	111.75 - 106.75	51.255	2	4.726	0.015
L10	106.75 - 101.75	46.383	2	4.564	0.014
L11	101.75 - 96.75	41.747	2	4.296	0.012
L12	96.75 - 91.75	37.400	2	4.011	0.010
L13	91.75 - 89.5	33.359	2	3.712	0.009
L14	89.5 - 89.25	31.643	2	3.573	0.008
L15	89.25 - 84.25	31.457	2	3.564	0.008
L16	84.25 - 79.25	27.833	2	3.361	0.007
L17	79.25 - 69.75	24.424	2	3.151	0.006
L18	74.5 - 68.75	21.394	2	2.944	0.006
L19	68.75 - 67.417	17.940	2	2.765	0.005
L20	67.417 - 67.167	17.180	2	2.686	0.005
L21	67.167 - 62.167	17.040	2	2.671	0.005
L22	62.167 - 57.583	14.400	2	2.372	0.004
L23	57.583 - 57.333	12.254	2	2.098	0.004
L24	57.333 - 56.417	12.145	2	2.089	0.004
L25	56.417 - 56.167	11.747	2	2.060	0.003
L26	56.167 - 51.167	11.639	2	2.050	0.003
L27	51.167 - 46.167	9.597	2	1.852	0.003
L28	46.167 - 41.167	7.762	2	1.654	0.003
L29	41.167 - 32.5	6.135	2	1.453	0.002
L30	38 - 31.5	5.213	2	1.327	0.002
L31	31.5 - 26.5	3.510	2	1.149	0.002
L32	26.5 - 26.25	2.445	2	0.886	0.001
L33	26.25 - 21.25	2.399	2	0.877	0.001
L34	21.25 - 16.25	1.569	2	0.709	0.001
L35	16.25 - 11.25	0.915	2	0.540	0.001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L36	11.25 - 6.25	0.437	2	0.373	0.000
L37	6.25 - 1.25	0.134	2	0.206	0.000
L38	1.25 - 0	0.005	2	0.041	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.500	Top Hat	2	94.867	5.815	0.041	7933
150.000	NNVV-65B-R4 w/ Mount Pipe	2	94.867	5.815	0.041	7933
141.000	(2) APL868013-42T0	2	83.967	5.755	0.034	4635
132.000	(2) 7770.00 w/ Mount Pipe	2	73.283	5.579	0.027	2187
121.000	MX08FRO665-20 w/ Mount Pipe	2	60.863	5.187	0.020	1340
111.000	APXVAARR24_43-U-NA20 w/ Mount Pipe	2	50.512	4.696	0.015	1480
104.000	KS24019-L112A	2	43.800	4.429	0.013	1123
88.000	SC479-HF1LDF	2	30.531	3.515	0.008	1273
87.000	10' x 2" Mount Pipe	2	29.800	3.474	0.008	1346
85.000	Side Arm Mount [SO 102-3]	2	28.363	3.392	0.007	1408
82.000	BA80-41-DIN	2	26.271	3.269	0.007	1339

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	150 - 145 (1)	TP23x22x0.25	5.000	0.000	0.0	18.314	-4.547	988.948	0.005
L2	145 - 140 (2)	TP24x23x0.25	5.000	0.000	0.0	19.119	-9.010	1032.420	0.009
L3	140 - 135 (3)	TP25x24x0.25	5.000	0.000	0.0	19.924	-9.476	1075.900	0.009
L4	135 - 130 (4)	TP26x25x0.25	5.000	0.000	0.0	20.729	-13.768	1119.370	0.012
L5	130 - 125 (5)	TP27.001x26x0.25	5.000	0.000	0.0	21.534	-14.369	1162.850	0.012
L6	125 - 120 (6)	TP28.001x27.001x0.25	5.000	0.000	0.0	22.339	-17.317	1206.320	0.014
L7	120 - 115 (7)	TP29.001x28.001x0.25	5.000	0.000	0.0	23.144	-18.000	1249.800	0.014
L8	115 - 108 (8)	TP30.401x29.001x0.25	7.000	0.000	0.0	23.668	-18.478	1278.060	0.014
L9	108 - 106.75 (9)	TP30.151x29.151x0.313	5.000	0.000	0.0	30.025	-22.507	1621.360	0.014
L10	106.75 - 101.75 (10)	TP31.151x30.151x0.313	5.000	0.000	0.0	31.032	-23.531	1675.710	0.014
L11	101.75 - 96.75 (11)	TP32.152x31.151x0.313	5.000	0.000	0.0	32.038	-24.507	1730.060	0.014
L12	96.75 - 91.75 (12)	TP33.152x32.152x0.313	5.000	0.000	0.0	33.045	-25.514	1784.410	0.014
L13	91.75 - 89.5 (13)	TP33.602x33.152x0.313	2.250	0.000	0.0	33.498	-25.975	1808.870	0.014
L14	89.5 - 89.25 (14)	TP33.652x33.602x0.5	0.250	0.000	0.0	53.375	-26.056	2882.240	0.009
L15	89.25 - 84.25	TP34.652x33.652x0.494	5.000	0.000	0.0	54.308	-27.862	2932.620	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L16	84.25 - 79.25 (15)	TP35.653x34.652x0.488	5.000	0.000	0.0	55.200	-29.459	2980.820	0.010
L17	79.25 - 69.75 (16)	TP37.553x35.653x0.481	9.500	0.000	0.0	55.975	-30.819	3022.640	0.010
L18	69.75 - 68.75 (17)	TP37.128x35.978x0.375	5.750	0.000	0.0	44.379	-33.268	2596.180	0.013
L19	68.75 - 67.417 (18)	TP37.395x37.128x0.375	1.333	0.000	0.0	44.701	-33.608	2615.020	0.013
L20	67.417 - 67.167 (19)	TP37.445x37.395x0.375	0.250	0.000	0.0	44.762	-33.688	2618.550	0.013
L21	67.167 - 62.167 (20)	TP38.445x37.445x0.375	5.000	0.000	0.0	45.969	-34.990	2689.200	0.013
L22	62.167 - 57.583 (21)	TP39.362x38.445x0.375	4.584	0.000	0.0	47.076	-36.218	2753.970	0.013
L23	57.583 - 57.333 (22)	TP39.412x39.362x0.7	0.250	0.000	0.0	87.256	-36.342	5104.480	0.007
L24	57.333 - 56.417 (23)	TP39.595x39.412x0.7	0.916	0.000	0.0	87.669	-36.729	5128.640	0.007
L25	56.417 - 56.167 (24)	TP39.645x39.595x0.588	0.250	0.000	0.0	73.887	-36.824	4322.380	0.009
L26	56.167 - 51.167 (25)	TP40.645x39.645x0.575	5.000	0.000	0.0	74.190	-38.627	4340.100	0.009
L27	51.167 - 46.167 (26)	TP41.645x40.645x0.575	5.000	0.000	0.0	76.041	-40.466	4448.430	0.009
L28	46.167 - 41.167 (27)	TP42.645x41.645x0.563	5.000	0.000	0.0	76.223	-42.335	4459.020	0.009
L29	41.167 - 32.5 (28)	TP44.379x42.645x0.563	8.667	0.000	0.0	77.370	-43.534	4526.140	0.010
L30	32.5 - 31.5 (29)	TP43.829x42.529x0.438	6.500	0.000	0.0	61.128	-47.278	3575.980	0.013
L31	31.5 - 26.5 (30)	TP44.829x43.829x0.438	5.000	0.000	0.0	62.537	-48.941	3658.400	0.013
L32	26.5 - 26.25 (31)	TP44.879x44.829x0.688	0.250	0.000	0.0	97.829	-49.068	5723.020	0.009
L33	26.25 - 21.25 (32)	TP45.879x44.879x0.688	5.000	0.000	0.0	100.043	-51.361	5852.540	0.009
L34	21.25 - 16.25 (33)	TP46.88x45.879x0.675	5.000	0.000	0.0	100.425	-53.693	5874.890	0.009
L35	16.25 - 11.25 (34)	TP47.88x46.88x0.675	5.000	0.000	0.0	102.599	-56.056	6002.060	0.009
L36	11.25 - 6.25 (35)	TP48.88x47.88x0.663	5.000	0.000	0.0	102.860	-58.452	6017.290	0.010
L37	6.25 - 1.25 (36)	TP49.88x48.88x0.663	5.000	0.000	0.0	104.993	-60.877	6142.100	0.010
L38	1.25 - 0 (37)	TP50.13x49.88x0.663	1.250	0.000	0.0	105.527	-61.487	6173.300	0.010

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	150 - 145 (1)	TP23x22x0.25	31.612	564.409	0.056	0.000	564.409	0.000
L2	145 - 140 (2)	TP24x23x0.25	67.479	606.794	0.111	0.000	606.794	0.000
L3	140 - 135 (3)	TP25x24x0.25	120.048	649.895	0.185	0.000	649.895	0.000
L4	135 - 130 (4)	TP26x25x0.25	185.413	693.620	0.267	0.000	693.620	0.000
L5	130 - 125 (5)	TP27.001x26x0.25	264.476	737.877	0.358	0.000	737.877	0.000
L6	125 - 120 (6)	TP28.001x27.001x0.25	348.286	782.572	0.445	0.000	782.572	0.000
L7	120 - 115 (7)	TP29.001x28.001x0.25	443.911	827.613	0.536	0.000	827.613	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 $\frac{M_{uy}}{\phi M_{ny}}$
L8	115 - 108 (8)	TP30.401x29.001x0.25	507.381	857.033	0.592	0.000	857.033	0.000
L9	108 - 106.75 (9)	TP30.151x29.151x0.313	618.136	1195.233	0.517	0.000	1195.233	0.000
L10	106.75 - 101.75 (10)	TP31.151x30.151x0.313	734.283	1262.608	0.582	0.000	1262.608	0.000
L11	101.75 - 96.75 (11)	TP32.152x31.151x0.313	853.150	1330.775	0.641	0.000	1330.775	0.000
L12	96.75 - 91.75 (12)	TP33.152x32.152x0.313	974.425	1399.642	0.696	0.000	1399.642	0.000
L13	91.75 - 89.5 (13)	TP33.602x33.152x0.313	1029.775	1430.833	0.720	0.000	1430.833	0.000
L14	89.5 - 89.25 (14)	TP33.652x33.602x0.5	1035.958	2435.475	0.425	0.000	2435.475	0.000
L15	89.25 - 84.25 (15)	TP34.652x33.652x0.494	1167.392	2554.867	0.457	0.000	2554.867	0.000
L16	84.25 - 79.25 (16)	TP35.653x34.652x0.488	1305.033	2674.933	0.488	0.000	2674.933	0.000
L17	79.25 - 69.75 (17)	TP37.553x35.653x0.481	1436.575	2787.725	0.515	0.000	2787.725	0.000
L18	69.75 - 68.75 (18)	TP37.128x35.978x0.375	1599.300	2304.650	0.694	0.000	2304.650	0.000
L19	68.75 - 67.417 (19)	TP37.395x37.128x0.375	1637.550	2332.083	0.702	0.000	2332.083	0.000
L20	67.417 - 67.167 (20)	TP37.445x37.395x0.375	1644.733	2337.242	0.704	0.000	2337.242	0.000
L21	67.167 - 62.167 (21)	TP38.445x37.445x0.375	1789.717	2440.742	0.733	0.000	2440.742	0.000
L22	62.167 - 57.583 (22)	TP39.362x38.445x0.375	1924.567	2536.308	0.759	0.000	2536.308	0.000
L23	57.583 - 57.333 (23)	TP39.412x39.362x0.7	1931.975	5021.758	0.385	0.000	5021.758	0.000
L24	57.333 - 56.417 (24)	TP39.595x39.412x0.7	1959.175	5069.833	0.386	0.000	5069.833	0.000
L25	56.417 - 56.167 (25)	TP39.645x39.595x0.588	1966.608	4303.167	0.457	0.000	4303.167	0.000
L26	56.167 - 51.167 (26)	TP40.645x39.645x0.575	2116.717	4435.850	0.477	0.000	4435.850	0.000
L27	51.167 - 46.167 (27)	TP41.645x40.645x0.575	2269.292	4661.658	0.487	0.000	4661.658	0.000
L28	46.167 - 41.167 (28)	TP42.645x41.645x0.563	2424.275	4790.967	0.506	0.000	4790.967	0.000
L29	41.167 - 32.5 (29)	TP44.379x42.645x0.563	2523.633	4937.258	0.511	0.000	4937.258	0.000
L30	32.5 - 31.5 (30)	TP43.829x42.529x0.438	2730.742	3731.617	0.732	0.000	3731.617	0.000
L31	31.5 - 26.5 (31)	TP44.829x43.829x0.438	2892.492	3872.550	0.747	0.000	3872.550	0.000
L32	26.5 - 26.25 (32)	TP44.879x44.829x0.688	2900.625	6443.275	0.450	0.000	6443.275	0.000
L33	26.25 - 21.25 (33)	TP45.879x44.879x0.688	3064.425	6740.517	0.455	0.000	6740.517	0.000
L34	21.25 - 16.25 (34)	TP46.88x45.879x0.675	3230.383	6921.991	0.467	0.000	6921.991	0.000
L35	16.25 - 11.25 (35)	TP47.88x46.88x0.675	3398.492	7227.108	0.470	0.000	7227.108	0.000
L36	11.25 - 6.25 (36)	TP48.88x47.88x0.663	3568.750	7404.958	0.482	0.000	7404.958	0.000
L37	6.25 - 1.25 (37)	TP49.88x48.88x0.663	3741.167	7717.467	0.485	0.000	7717.467	0.000
L38	1.25 - 0 (38)	TP50.13x49.88x0.663	3784.608	7796.600	0.485	0.000	7796.600	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	150 - 145 (1)	TP23x22x0.25	5.487	294.076	0.019	1.381	593.715	0.002
L2	145 - 140 (2)	TP24x23x0.25	10.271	307.118	0.033	1.382	647.063	0.002
L3	140 - 135 (3)	TP25x24x0.25	10.763	322.769	0.033	1.382	702.706	0.002
L4	135 - 130 (4)	TP26x25x0.25	15.568	335.812	0.046	1.382	760.643	0.002
L5	130 - 125 (5)	TP27.001x26x0.25	16.068	348.855	0.046	1.382	820.876	0.002
L6	125 - 120 (6)	TP28.001x27.001x0.25	18.886	361.897	0.052	1.576	883.400	0.002
L7	120 - 115 (7)	TP29.001x28.001x0.25	19.378	374.940	0.052	1.575	948.225	0.002
L8	115 - 108 (8)	TP30.401x29.001x0.25	19.697	383.417	0.051	1.574	991.592	0.002
L9	108 - 106.75 (9)	TP30.151x29.151x0.313	22.979	486.407	0.047	1.727	1276.675	0.001
L10	106.75 - 101.75 (10)	TP31.151x30.151x0.313	23.541	502.713	0.047	1.855	1363.700	0.001
L11	101.75 - 96.75 (11)	TP32.152x31.151x0.313	24.027	519.018	0.046	1.854	1453.600	0.001
L12	96.75 - 91.75 (12)	TP33.152x32.152x0.313	24.507	535.323	0.046	1.853	1546.367	0.001
L13	91.75 - 89.5 (13)	TP33.602x33.152x0.313	24.723	542.661	0.046	1.852	1589.042	0.001
L14	89.5 - 89.25 (14)	TP33.652x33.602x0.5	24.742	864.671	0.029	1.852	2521.508	0.001
L15	89.25 - 84.25 (15)	TP34.652x33.652x0.494	26.358	879.786	0.030	0.526	2643.483	0.000
L16	84.25 - 79.25 (16)	TP35.653x34.652x0.488	27.455	894.245	0.031	2.365	2766.100	0.001
L17	79.25 - 69.75 (17)	TP37.553x35.653x0.481	27.956	906.792	0.031	2.364	2881.200	0.001
L18	69.75 - 68.75 (18)	TP37.128x35.978x0.375	28.645	778.854	0.037	2.363	2517.958	0.001
L19	68.75 - 67.417 (19)	TP37.395x37.128x0.375	28.771	784.505	0.037	2.363	2554.625	0.001
L20	67.417 - 67.167 (20)	TP37.445x37.395x0.375	28.781	785.565	0.037	2.363	2561.533	0.001
L21	67.167 - 62.167 (21)	TP38.445x37.445x0.375	29.235	806.759	0.036	2.362	2701.617	0.001
L22	62.167 - 57.583 (22)	TP39.362x38.445x0.375	29.637	826.191	0.036	2.361	2833.325	0.001
L23	57.583 - 57.333 (23)	TP39.412x39.362x0.7	29.651	1531.340	0.019	2.361	5214.525	0.000
L24	57.333 - 56.417 (24)	TP39.595x39.412x0.7	29.752	1538.590	0.019	2.361	5264.000	0.000
L25	56.417 - 56.167 (25)	TP39.645x39.595x0.588	29.776	1296.710	0.023	2.361	4455.000	0.001
L26	56.167 - 51.167 (26)	TP40.645x39.645x0.575	30.283	1302.030	0.023	2.360	4589.233	0.001
L27	51.167 - 46.167 (27)	TP41.645x40.645x0.575	30.773	1334.530	0.023	2.360	4821.192	0.000
L28	46.167 - 41.167 (28)	TP42.645x41.645x0.563	31.245	1337.710	0.023	2.359	4951.825	0.000
L29	41.167 - 32.5 (29)	TP44.379x42.645x0.563	31.528	1357.840	0.023	2.359	5102.033	0.000
L30	32.5 - 31.5 (30)	TP43.829x42.529x0.438	32.199	1072.790	0.030	2.359	4094.692	0.001
L31	31.5 - 26.5 (31)	TP44.829x43.829x0.438	32.543	1097.520	0.030	2.358	4285.625	0.001
L32	26.5 - 26.25 (32)	TP44.879x44.829x0.688	32.549	1716.910	0.019	2.358	6674.008	0.000
L33	26.25 - 21.25 (33)	TP45.879x44.879x0.688	32.989	1755.760	0.019	2.358	6979.525	0.000
L34	21.25 - 16.25	TP46.88x45.879x0.675	33.420	1762.470	0.019	2.358	7163.167	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 $\frac{T_u}{\phi T_n}$
L35	16.25 - 11.25 (34)	TP47.88x46.88x0.675	33.852	1800.620	0.019	2.358	7476.633	0.000
L36	11.25 - 6.25 (35)	TP48.88x47.88x0.663	34.282	1805.190	0.019	2.357	7656.400	0.000
L37	6.25 - 1.25 (36)	TP49.88x48.88x0.663	34.713	1842.630	0.019	2.357	7977.325	0.000
L38	1.25 - 0 (37)	TP50.13x49.88x0.663	34.826	1851.990	0.019	2.357	8058.583	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 145 (1)	0.005	0.056	0.000	0.019	0.002	0.061 ✔	1.050	4.8.2 ✔
L2	145 - 140 (2)	0.009	0.111	0.000	0.033	0.002	0.121 ✔	1.050	4.8.2 ✔
L3	140 - 135 (3)	0.009	0.185	0.000	0.033	0.002	0.195 ✔	1.050	4.8.2 ✔
L4	135 - 130 (4)	0.012	0.267	0.000	0.046	0.002	0.282 ✔	1.050	4.8.2 ✔
L5	130 - 125 (5)	0.012	0.358	0.000	0.046	0.002	0.373 ✔	1.050	4.8.2 ✔
L6	125 - 120 (6)	0.014	0.445	0.000	0.052	0.002	0.462 ✔	1.050	4.8.2 ✔
L7	120 - 115 (7)	0.014	0.536	0.000	0.052	0.002	0.554 ✔	1.050	4.8.2 ✔
L8	115 - 108 (8)	0.014	0.592	0.000	0.051	0.002	0.609 ✔	1.050	4.8.2 ✔
L9	108 - 106.75 (9)	0.014	0.517	0.000	0.047	0.001	0.533 ✔	1.050	4.8.2 ✔
L10	106.75 - 101.75 (10)	0.014	0.582	0.000	0.047	0.001	0.598 ✔	1.050	4.8.2 ✔
L11	101.75 - 96.75 (11)	0.014	0.641	0.000	0.046	0.001	0.658 ✔	1.050	4.8.2 ✔
L12	96.75 - 91.75 (12)	0.014	0.696	0.000	0.046	0.001	0.713 ✔	1.050	4.8.2 ✔
L13	91.75 - 89.5 (13)	0.014	0.720	0.000	0.046	0.001	0.736 ✔	1.050	4.8.2 ✔
L14	89.5 - 89.25 (14)	0.009	0.425	0.000	0.029	0.001	0.435 ✔	1.050	4.8.2 ✔
L15	89.25 - 84.25 (15)	0.010	0.457	0.000	0.030	0.000	0.467 ✔	1.050	4.8.2 ✔
L16	84.25 - 79.25 (16)	0.010	0.488	0.000	0.031	0.001	0.499 ✔	1.050	4.8.2 ✔
L17	79.25 - 69.75 (17)	0.010	0.515	0.000	0.031	0.001	0.527 ✔	1.050	4.8.2 ✔
L18	69.75 - 68.75 (18)	0.013	0.694	0.000	0.037	0.001	0.708 ✔	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L19	68.75 - 67.417 (19)	0.013	0.702	0.000	0.037	0.001	0.716 ✔	1.050	4.8.2 ✔
L20	67.417 - 67.167 (20)	0.013	0.704	0.000	0.037	0.001	0.718 ✔	1.050	4.8.2 ✔
L21	67.167 - 62.167 (21)	0.013	0.733	0.000	0.036	0.001	0.748 ✔	1.050	4.8.2 ✔
L22	62.167 - 57.583 (22)	0.013	0.759	0.000	0.036	0.001	0.773 ✔	1.050	4.8.2 ✔
L23	57.583 - 57.333 (23)	0.007	0.385	0.000	0.019	0.000	0.392 ✔	1.050	4.8.2 ✔
L24	57.333 - 56.417 (24)	0.007	0.386	0.000	0.019	0.000	0.394 ✔	1.050	4.8.2 ✔
L25	56.417 - 56.167 (25)	0.009	0.457	0.000	0.023	0.001	0.466 ✔	1.050	4.8.2 ✔
L26	56.167 - 51.167 (26)	0.009	0.477	0.000	0.023	0.001	0.487 ✔	1.050	4.8.2 ✔
L27	51.167 - 46.167 (27)	0.009	0.487	0.000	0.023	0.000	0.496 ✔	1.050	4.8.2 ✔
L28	46.167 - 41.167 (28)	0.009	0.506	0.000	0.023	0.000	0.516 ✔	1.050	4.8.2 ✔
L29	41.167 - 32.5 (29)	0.010	0.511	0.000	0.023	0.000	0.521 ✔	1.050	4.8.2 ✔
L30	32.5 - 31.5 (30)	0.013	0.732	0.000	0.030	0.001	0.746 ✔	1.050	4.8.2 ✔
L31	31.5 - 26.5 (31)	0.013	0.747	0.000	0.030	0.001	0.761 ✔	1.050	4.8.2 ✔
L32	26.5 - 26.25 (32)	0.009	0.450	0.000	0.019	0.000	0.459 ✔	1.050	4.8.2 ✔
L33	26.25 - 21.25 (33)	0.009	0.455	0.000	0.019	0.000	0.464 ✔	1.050	4.8.2 ✔
L34	21.25 - 16.25 (34)	0.009	0.467	0.000	0.019	0.000	0.476 ✔	1.050	4.8.2 ✔
L35	16.25 - 11.25 (35)	0.009	0.470	0.000	0.019	0.000	0.480 ✔	1.050	4.8.2 ✔
L36	11.25 - 6.25 (36)	0.010	0.482	0.000	0.019	0.000	0.492 ✔	1.050	4.8.2 ✔
L37	6.25 - 1.25 (37)	0.010	0.485	0.000	0.019	0.000	0.495 ✔	1.050	4.8.2 ✔
L38	1.25 - 0 (38)	0.010	0.485	0.000	0.019	0.000	0.496 ✔	1.050	4.8.2 ✔

Section Capacity Table

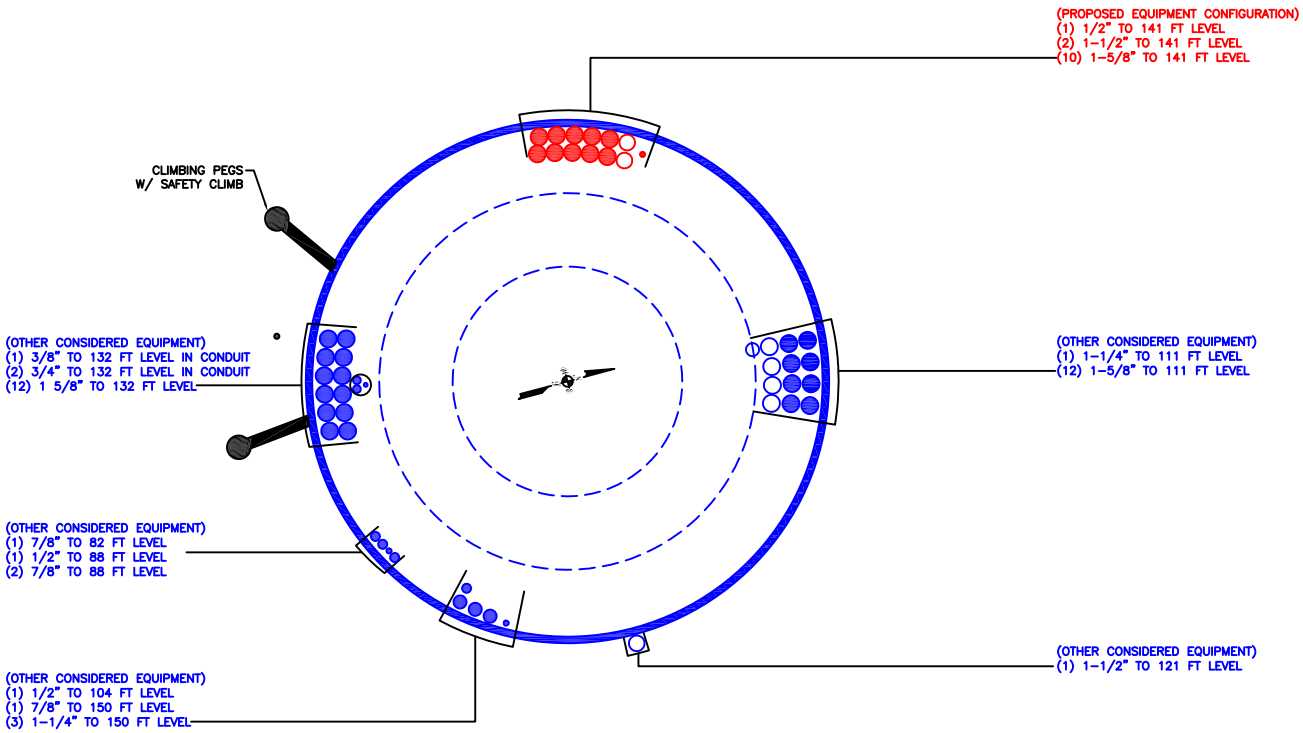
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	150 - 145	Pole	TP23x22x0.25	1	-4.547	--	**	**
L2	145 - 140	Pole	TP24x23x0.25	2	-9.010	--	**	**
L3	140 - 135	Pole	TP25x24x0.25	3	-9.476	--	**	**
L4	135 - 130	Pole	TP26x25x0.25	4	-13.768	--	**	**

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	øP$_{allow}$ K	% Capacity	Pass Fail
L5	130 - 125	Pole	TP27.001x26x0.25	5	-14.369	--	**	**
L6	125 - 120	Pole	TP28.001x27.001x0.25	6	-17.317	--	**	**
L7	120 - 115	Pole	TP29.001x28.001x0.25	7	-18.000	--	**	**
L8	115 - 108	Pole	TP30.401x29.001x0.25	8	-18.478	--	**	**
L9	108 - 106.75	Pole	TP30.151x29.151x0.313	9	-22.507	--	**	**
L10	106.75 - 101.75	Pole	TP31.151x30.151x0.313	10	-23.531	--	**	**
L11	101.75 - 96.75	Pole	TP32.152x31.151x0.313	11	-24.507	--	**	**
L12	96.75 - 91.75	Pole	TP33.152x32.152x0.313	12	-25.514	--	**	**
L13	91.75 - 89.5	Pole	TP33.602x33.152x0.313	13	-25.975	--	**	**
L14	89.5 - 89.25	Pole	TP33.652x33.602x0.5	14	-26.056	--	**	**
L15	89.25 - 84.25	Pole	TP34.652x33.652x0.494	15	-27.862	--	**	**
L16	84.25 - 79.25	Pole	TP35.653x34.652x0.488	16	-29.459	--	**	**
L17	79.25 - 69.75	Pole	TP37.553x35.653x0.481	17	-30.819	--	**	**
L18	69.75 - 68.75	Pole	TP37.128x35.978x0.375	18	-33.268	--	**	**
L19	68.75 - 67.417	Pole	TP37.395x37.128x0.375	19	-33.608	--	**	**
L20	67.417 - 67.167	Pole	TP37.445x37.395x0.375	20	-33.688	--	**	**
L21	67.167 - 62.167	Pole	TP38.445x37.445x0.375	21	-34.990	--	**	**
L22	62.167 - 57.583	Pole	TP39.362x38.445x0.375	22	-36.218	--	**	**
L23	57.583 - 57.333	Pole	TP39.412x39.362x0.7	23	-36.342	--	**	**
L24	57.333 - 56.417	Pole	TP39.595x39.412x0.7	24	-36.729	--	**	**
L25	56.417 - 56.167	Pole	TP39.645x39.595x0.588	25	-36.824	--	**	**
L26	56.167 - 51.167	Pole	TP40.645x39.645x0.575	26	-38.627	--	**	**
L27	51.167 - 46.167	Pole	TP41.645x40.645x0.575	27	-40.466	--	**	**
L28	46.167 - 41.167	Pole	TP42.645x41.645x0.563	28	-42.335	--	**	**
L29	41.167 - 32.5	Pole	TP44.379x42.645x0.563	29	-43.534	--	**	**
L30	32.5 - 31.5	Pole	TP43.829x42.529x0.438	30	-47.278	--	**	**
L31	31.5 - 26.5	Pole	TP44.829x43.829x0.438	31	-48.941	--	**	**
L32	26.5 - 26.25	Pole	TP44.879x44.829x0.688	32	-49.068	--	**	**
L33	26.25 - 21.25	Pole	TP45.879x44.879x0.688	33	-51.361	--	**	**
L34	21.25 - 16.25	Pole	TP46.88x45.879x0.675	34	-53.693	--	**	**
L35	16.25 - 11.25	Pole	TP47.88x46.88x0.675	35	-56.056	--	**	**
L36	11.25 - 6.25	Pole	TP48.88x47.88x0.663	36	-58.452	--	**	**
L37	6.25 - 1.25	Pole	TP49.88x48.88x0.663	37	-60.877	--	**	**
L38	1.25 - 0	Pole	TP50.13x49.88x0.663	38	-61.487	--	**	**
							Summary	
						Pole (L22)	**	**
						RATING =	**	**

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

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876341

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876341

Work Order: 1953728

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	150	42	3.75	12	22	30.401	0.25	Auto	A607-60
2	111.75	42	4.75	12	29.15	37.553	0.3125	Auto	A607-60
3	74.5	42	5.5	12	35.98	44.379	0.375	Auto	A607-65
4	38	38	0	12	42.53	50.13	0.4375	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
1	0	26.5	plate	CCI-WAFP-065125	4		E2			E2			E2			E2	
2	26.5	57.583	plate	CCI-AFP-060100	4		E2			E2			E2			E2	
3	74.5	89.5	plate	CCI-AFP-060100	3			E2				E2				E2	
4	56.417	67.417	plate	CCI-SFP-060100	3			E3				E3			E3		
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	6.5	1.25	8.125	0.625	Welded	n/a	PC 8.8 - M20 (100)	42.000	19.000	6.563	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
3	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
4	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65

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	150 - 145	5		12	22.000	23.000	0.25	A607-60	1.000
2	145 - 140	5		12	23.000	24.000	0.25	A607-60	1.000
3	140 - 135	5		12	24.000	25.000	0.25	A607-60	1.000
4	135 - 130	5		12	25.000	26.000	0.25	A607-60	1.000
5	130 - 125	5		12	26.000	27.001	0.25	A607-60	1.000
6	125 - 120	5		12	27.001	28.001	0.25	A607-60	1.000
7	120 - 115	5		12	28.001	29.001	0.25	A607-60	1.000
8	115 - 111.75	7	3.75	12	29.001	30.401	0.25	A607-60	1.000
9	111.75 - 106.75	5		12	29.151	30.151	0.3125	A607-60	1.000
10	106.75 - 101.75	5		12	30.151	31.151	0.3125	A607-60	1.000
11	101.75 - 96.75	5		12	31.151	32.152	0.3125	A607-60	1.000
12	96.75 - 91.75	5		12	32.152	33.152	0.3125	A607-60	1.000
13	91.75 - 89.5	2.25		12	33.152	33.602	0.3125	A607-60	1.000
14	89.5 - 89.25	0.25		12	33.602	33.652	0.5	A607-60	0.966
15	89.25 - 84.25	5		12	33.652	34.652	0.49375	A607-60	0.968
16	84.25 - 79.25	5		12	34.652	35.653	0.4875	A607-60	0.971
17	79.25 - 74.5	9.5	4.75	12	35.653	37.553	0.48125	A607-60	0.974
18	74.5 - 68.75	5.75		12	35.978	37.128	0.375	A607-65	1.000
19	68.75 - 67.417	1.333		12	37.128	37.395	0.375	A607-65	1.000
20	67.417 - 67.167	0.25		12	37.395	37.445	0.375	A607-65	1.000
21	67.167 - 62.167	5		12	37.445	38.445	0.375	A607-65	1.000
22	62.167 - 57.583	4.584		12	38.445	39.362	0.375	A607-65	1.000
23	57.583 - 57.333	0.25		12	39.362	39.412	0.7	A607-65	1.022
24	57.333 - 56.417	0.916		12	39.412	39.595	0.7	A607-65	1.020
25	56.417 - 56.167	0.25		12	39.595	39.645	0.5875	A607-65	0.967
26	56.167 - 51.167	5		12	39.645	40.645	0.575	A607-65	0.979
27	51.167 - 46.167	5		12	40.645	41.645	0.575	A607-65	0.971
28	46.167 - 41.167	5		12	41.645	42.645	0.5625	A607-65	0.985
29	41.167 - 38	8.667	5.5	12	42.645	44.379	0.5625	A607-65	0.980
30	38 - 31.5	6.5		12	42.529	43.829	0.4375	A607-65	1.000
31	31.5 - 26.5	5		12	43.829	44.829	0.4375	A607-65	1.000
32	26.5 - 26.25	0.25		12	44.829	44.879	0.6875	A607-65	0.973
33	26.25 - 21.25	5		12	44.879	45.879	0.6875	A607-65	0.965
34	21.25 - 16.25	5		12	45.879	46.880	0.675	A607-65	0.976
35	16.25 - 11.25	5		12	46.880	47.880	0.675	A607-65	0.969
36	11.25 - 6.25	5		12	47.880	48.880	0.6625	A607-65	0.980
37	6.25 - 1.25	5		12	48.880	49.880	0.6625	A607-65	0.973
38	1.25 - 0	1.25		12	49.880	50.130	0.6625	A607-65	0.972

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	150 - 145	4.55	31.61	5.49
2	145 - 140	9.01	67.48	10.27
3	140 - 135	9.48	120.05	10.76
4	135 - 130	13.77	185.41	15.57
5	130 - 125	14.37	264.48	16.07
6	125 - 120	17.32	348.29	18.89
7	120 - 115	18.00	443.91	19.38
8	115 - 111.75	18.48	507.38	19.70
9	111.75 - 106.75	22.51	618.14	22.98
10	106.75 - 101.75	23.53	734.28	23.54
11	101.75 - 96.75	24.51	853.15	24.03
12	96.75 - 91.75	25.51	974.42	24.51
13	91.75 - 89.5	25.98	1029.78	24.72
14	89.5 - 89.25	26.06	1035.96	24.74
15	89.25 - 84.25	27.86	1167.39	26.36
16	84.25 - 79.25	29.46	1305.03	27.45
17	79.25 - 74.5	30.82	1436.58	27.96
18	74.5 - 68.75	33.27	1599.30	28.64
19	68.75 - 67.417	33.61	1637.55	28.77
20	67.417 - 67.167	33.69	1644.74	28.78
21	67.167 - 62.167	34.99	1789.71	29.23
22	62.167 - 57.583	36.22	1924.56	29.64
23	57.583 - 57.333	36.34	1931.97	29.65
24	57.333 - 56.417	36.73	1959.17	29.75
25	56.417 - 56.167	36.82	1966.61	29.78
26	56.167 - 51.167	38.63	2116.71	30.28
27	51.167 - 46.167	40.47	2269.29	30.77
28	46.167 - 41.167	42.33	2424.27	31.24
29	41.167 - 38	43.53	2523.63	31.53
30	38 - 31.5	47.28	2730.74	32.20
31	31.5 - 26.5	48.94	2892.49	32.54
32	26.5 - 26.25	49.07	2900.63	32.55
33	26.25 - 21.25	51.36	3064.43	32.99
34	21.25 - 16.25	53.69	3230.38	33.42
35	16.25 - 11.25	56.06	3398.49	33.85
36	11.25 - 6.25	58.45	3568.75	34.28
37	6.25 - 1.25	60.88	3741.17	34.71
38	1.25 - 0	61.49	3784.61	34.83

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
150 - 145	Pole	TP23x22x0.25	Pole	5.8%	Pass
145 - 140	Pole	TP24x23x0.25	Pole	11.5%	Pass
140 - 135	Pole	TP25x24x0.25	Pole	18.5%	Pass
135 - 130	Pole	TP26x25x0.25	Pole	26.8%	Pass
130 - 125	Pole	TP27.001x26x0.25	Pole	35.4%	Pass
125 - 120	Pole	TP28.001x27.001x0.25	Pole	43.9%	Pass
120 - 115	Pole	TP29.001x28.001x0.25	Pole	52.6%	Pass
115 - 111.75	Pole	TP30.401x29.001x0.25	Pole	57.9%	Pass
111.75 - 106.75	Pole	TP30.151x29.151x0.3125	Pole	50.7%	Pass
106.75 - 101.75	Pole	TP31.151x30.151x0.3125	Pole	56.8%	Pass
101.75 - 96.75	Pole	TP32.152x31.151x0.3125	Pole	62.4%	Pass
96.75 - 91.75	Pole	TP33.152x32.152x0.3125	Pole	67.7%	Pass
91.75 - 89.5	Pole	TP33.602x33.152x0.3125	Pole	69.9%	Pass
89.5 - 89.25	Pole + Reinf.	TP33.652x33.602x0.5	Reinf. 3 Tension Rupture	58.6%	Pass
89.25 - 84.25	Pole + Reinf.	TP34.652x33.652x0.4938	Reinf. 3 Tension Rupture	62.9%	Pass
84.25 - 79.25	Pole + Reinf.	TP35.653x34.652x0.4875	Reinf. 3 Tension Rupture	67.0%	Pass
79.25 - 74.5	Pole + Reinf.	TP37.553x35.653x0.4813	Reinf. 3 Tension Rupture	70.6%	Pass
74.5 - 68.75	Pole	TP37.128x35.978x0.375	Pole	67.3%	Pass
68.75 - 67.42	Pole	TP37.395x37.128x0.375	Pole	68.0%	Pass
67.42 - 67.17	Pole	TP37.445x37.395x0.375	Pole	68.2%	Pass
67.17 - 62.17	Pole	TP38.445x37.445x0.375	Pole	71.0%	Pass
62.17 - 57.58	Pole	TP39.362x38.445x0.375	Pole	73.4%	Pass
57.58 - 57.33	Pole + Reinf.	TP39.412x39.362x0.7	Reinf. 2 Tension Rupture	56.4%	Pass
57.33 - 56.42	Pole + Reinf.	TP39.595x39.412x0.7	Reinf. 2 Tension Rupture	56.7%	Pass
56.42 - 56.17	Pole + Reinf.	TP39.645x39.595x0.5875	Reinf. 2 Tension Rupture	68.0%	Pass
56.17 - 51.17	Pole + Reinf.	TP40.645x39.645x0.575	Reinf. 2 Tension Rupture	70.2%	Pass
51.17 - 46.17	Pole + Reinf.	TP41.645x40.645x0.575	Reinf. 2 Tension Rupture	72.2%	Pass
46.17 - 41.17	Pole + Reinf.	TP42.645x41.645x0.5625	Reinf. 2 Tension Rupture	74.1%	Pass
41.17 - 38	Pole + Reinf.	TP44.379x42.645x0.5625	Reinf. 2 Tension Rupture	75.3%	Pass
38 - 31.5	Pole	TP43.829x42.529x0.4375	Pole	70.8%	Pass
31.5 - 26.5	Pole	TP44.829x43.829x0.4375	Pole	72.3%	Pass
26.5 - 26.25	Pole + Reinf.	TP44.879x44.829x0.6875	Reinf. 1 Tension Rupture	65.3%	Pass
26.25 - 21.25	Pole + Reinf.	TP45.879x44.879x0.6875	Reinf. 1 Tension Rupture	66.5%	Pass
21.25 - 16.25	Pole + Reinf.	TP46.88x45.879x0.675	Reinf. 1 Tension Rupture	67.6%	Pass
16.25 - 11.25	Pole + Reinf.	TP47.88x46.88x0.675	Reinf. 1 Tension Rupture	68.7%	Pass
11.25 - 6.25	Pole + Reinf.	TP48.88x47.88x0.6625	Reinf. 1 Tension Rupture	69.7%	Pass
6.25 - 1.25	Pole + Reinf.	TP49.88x48.88x0.6625	Reinf. 1 Tension Rupture	70.6%	Pass
1.25 - 0	Pole + Reinf.	TP50.13x49.88x0.6625	Reinf. 1 Tension Rupture	70.8%	Pass
				Summary	
			Pole	73.4%	Pass
			Reinforcement	75.3%	Pass
			Overall	75.3%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*				
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4
150 - 145	1211	n/a	1211	18.29	n/a	18.29	5.8%				
145 - 140	1378	n/a	1378	19.09	n/a	19.09	11.5%				
140 - 135	1560	n/a	1560	19.90	n/a	19.90	18.5%				
135 - 130	1757	n/a	1757	20.70	n/a	20.70	26.8%				
130 - 125	1970	n/a	1970	21.50	n/a	21.50	35.4%				
125 - 120	2199	n/a	2199	22.31	n/a	22.31	43.9%				
120 - 115	2445	n/a	2445	23.11	n/a	23.11	52.6%				
115 - 111.75	2615	n/a	2615	23.63	n/a	23.63	57.9%				
111.75 - 106.75	3417	n/a	3417	29.98	n/a	29.98	50.7%				
106.75 - 101.75	3772	n/a	3772	30.99	n/a	30.99	56.8%				
101.75 - 96.75	4151	n/a	4151	31.99	n/a	31.99	62.4%				
96.75 - 91.75	4555	n/a	4555	33.00	n/a	33.00	67.7%				
91.75 - 89.5	4745	n/a	4745	33.45	n/a	33.45	69.9%				
89.5 - 89.25	4766	2729	7495	33.50	18.00	51.50	43.1%			58.6%	
89.25 - 84.25	5208	2888	8096	34.50	18.00	52.50	46.9%			62.9%	
84.25 - 79.25	5676	3050	8727	35.51	18.00	53.51	50.6%			67.0%	
79.25 - 74.5	6147	3209	9356	36.46	18.00	54.46	53.9%			70.6%	
74.5 - 68.75	7662	n/a	7662	44.32	n/a	44.32	67.3%				
68.75 - 67.42	7830	n/a	7830	44.64	n/a	44.64	68.0%				
67.42 - 67.17	7862	n/a	7862	44.70	n/a	44.70	68.2%				
67.17 - 62.17	8515	n/a	8515	45.90	n/a	45.90	71.0%				
62.17 - 57.58	9145	n/a	9145	47.01	n/a	47.01	73.4%				
57.58 - 57.33	9185	7695	16880	47.07	42.00	89.07	40.4%		56.4%		54.0%
57.33 - 56.42	9315	7764	17079	47.29	42.00	89.29	40.8%		56.7%		54.3%
56.42 - 56.17	9346	4993	14339	47.35	24.00	71.35	46.8%		68.0%		
56.17 - 51.17	10079	5240	15319	48.56	24.00	72.56	48.8%		70.2%		
51.17 - 46.17	10848	5493	16341	49.76	24.00	73.76	50.8%		72.2%		
46.17 - 41.17	11656	5752	17408	50.97	24.00	74.97	52.7%		74.1%		
41.17 - 38	12188	5919	18107	51.73	24.00	75.73	53.9%		75.3%		
38 - 31.5	14710	n/a	14710	61.04	n/a	61.04	70.8%				
31.5 - 26.5	15751	n/a	15751	62.45	n/a	62.45	72.3%				
26.5 - 26.25	15804	8704	24508	62.52	32.50	95.02	45.2%	65.3%			
26.25 - 21.25	16896	9083	25978	63.92	32.50	96.42	46.4%	66.5%			
21.25 - 16.25	18036	9470	27506	65.33	32.50	97.83	47.7%	67.6%			
16.25 - 11.25	19226	9865	29091	66.74	32.50	99.24	48.9%	68.7%			
11.25 - 6.25	20468	10268	30737	68.15	32.50	100.65	50.0%	69.7%			
6.25 - 1.25	21762	10680	32442	69.55	32.50	102.05	51.2%	70.6%			
1.25 - 0	22094	10784	32878	69.90	32.50	102.40	51.5%	70.8%			

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

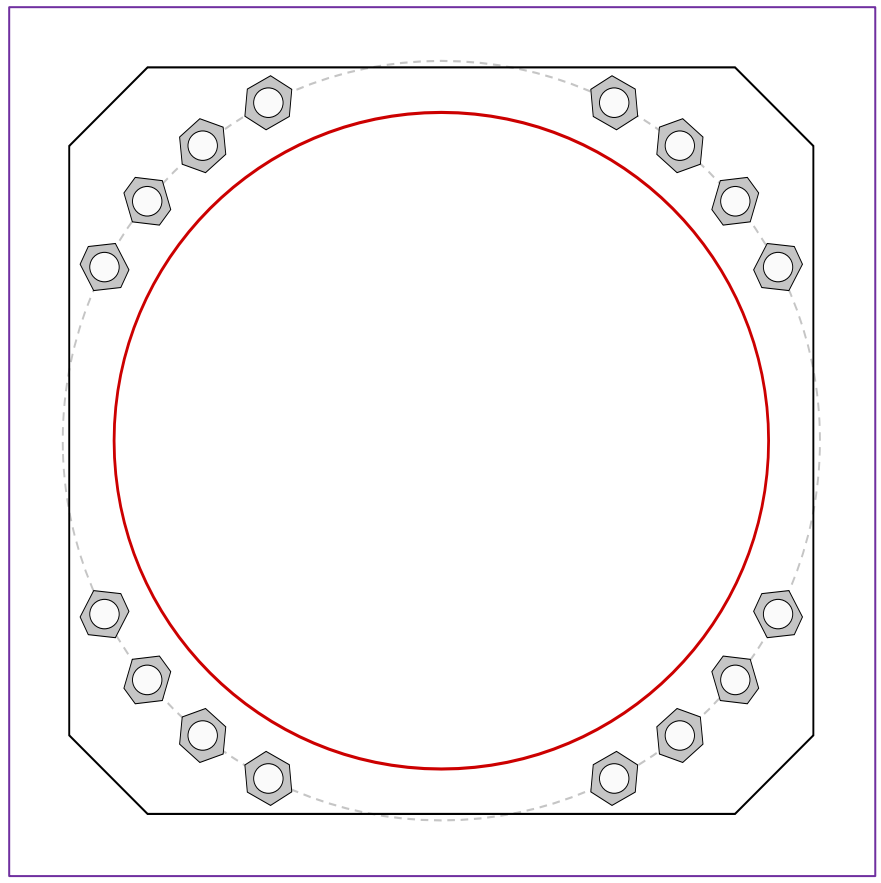
Monopole Base Plate Connection

Site Info	
BU #	876341
Site Name	OWN 2 - MARINO PRO
Order #	552658, Rev.0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.25

Applied Loads	
Moment (kip-ft)	3784.61
Axial Force (kips)	61.49
Shear Force (kips)	34.83

**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 58" BC

Anchor Spacing: 6 in

Base Plate Data

57" W x 3" Plate (A572-50; Fy=50 ksi, Fu=65 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

50.13" x 0.4375" 12-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 191.79	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.18	ϕVn = 149.1	**74.9%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	35.98	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**76.1%**	**Pass**

Drilled Pier Foundation

BU # :	876341
Site Name:	MIDDLETOWN 2 -
Order Number:	552658, Rev.0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	3784.61	
Axial Force (kips)	61.5	
Shear Force (kips)	34.8	

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

Pier Design Data		
Depth	18.5	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 18.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	32	
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)	4.86	-
Soil Safety Factor	2.82	-
Max Moment (kip-ft)	3966.56	-
Rating*	*44.9%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	493.73	-
End Bearing (kips)	412.33	-
Weight of Concrete (kips)	131.62	-
Total Capacity (kips)	906.07	-
Axial (kips)	193.12	-
Rating*	*20.3%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	4.88	-
Critical Moment (kip-ft)	3966.54	-
Critical Moment Capacity	7509.53	-
Rating*	*50.3%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	11.93	-
Critical Shear (kip)	561.20	-
Critical Shear Capacity	604.75	-
Rating*	*88.4%*	-

Soil Interaction Rating*	**44.9%**
Structural Foundation Rating*	**88.4%**

*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

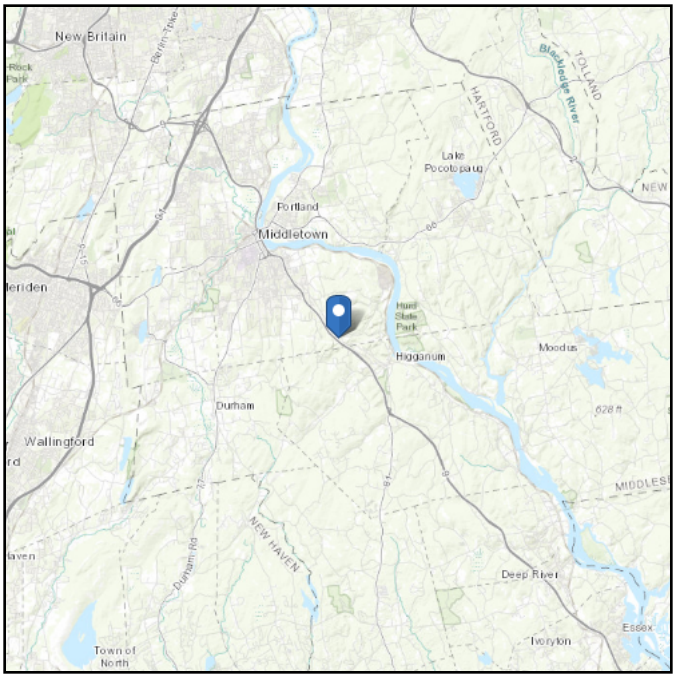
Groundwater Depth	N/A	# of Layers	3

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	120	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	4	0.5	120	150	0	32	0.557	0.557				65	Cohesionless
3	4	18.5	14.5	125	150	4	0	2.045	2.045			14.28571		Cohesive

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	369.73 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.510639
Soil Class:	D - Stiff Soil	**Longitude:**	-72.593361



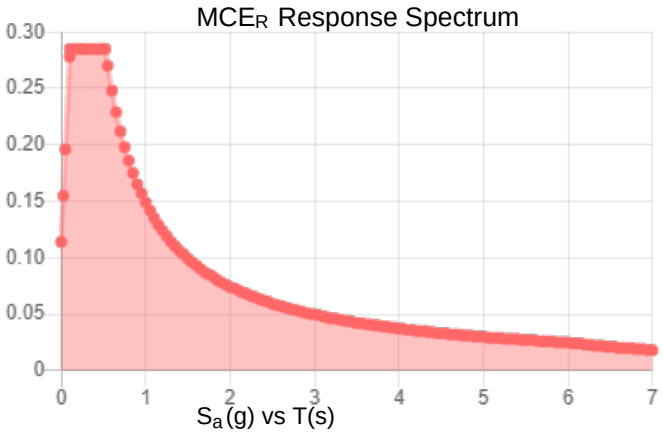
Seismic

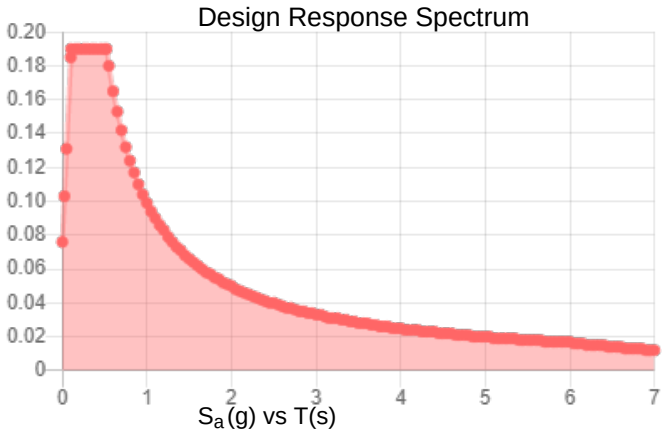
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.178	S_{DS} :	0.19
S_1 :	0.062	S_{D1} :	0.099
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.091
S_{MS} :	0.285	PGA_M :	0.145
S_{M1} :	0.149	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Wed Apr 21 2021

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Wed Apr 21 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.

Exhibit E

Mount Analysis

Maser Consulting Connecticut
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10129644
Maser Consulting Connecticut Project #: 21781243A

February 7, 2022

Site Information	Site ID:	467257-VZW / MIDDLETOWN SE CT
	Site Name:	MIDDLETOWN SE CT
	Carrier Name:	Verizon Wireless
	Address:	1969 Saybrook Rd Middletown, Connecticut 06457 Middlesex County
	Latitude:	41.508425°
	Longitude:	-72.593361°
Structure Information	Tower Type:	Monopole
	Mount Type:	13.88-Ft Platform

FUZE ID # 16272203

Analysis Results

Platform: **69.1% Pass w/ Modifications***

***Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Morgan Chatmon

2/7/22

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 674968, dated June 14, 2021*
Mount Mapping Report	*RKS Design & Engineering, LLC, Site ID: CC: 876341, VZW: 467257, dated January 16,2022*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21781243A, dated January 24, 2022*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21781243A, dated February 7, 2022*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.987
Seismic Parameters:	S_S:	0.213 g
	S_1:	0.056 g
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
141.00	142.00	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		2	Raycap	RVZDC-6627-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	RFS	APL868013-42T0-00	Retained

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

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

Standard Conditions:

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

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff_1	27.8 %	Pass
Standoff_2	20.8 %	Pass
Grating Angle	10.3 %	Pass
Cross Members	31.9 %	Pass
Mount Pipe	38.5 %	Pass
Face Horizontal	69.1 %	Pass
Proposed Support Rail	24.6 %	Pass
Proposed Support Rail Connector	19.1 %	Pass
Mount Connection	18.7 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**69.1%**

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	27.4	27.4	42.4	42.4
0.5	34.3	34.3	55.6	55.6
1	40.8	40.8	68.4	68.4

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com
For additional questions and support, please reach out to pmisupport@colliersengineering.com

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PSLC #: 467257 SMART Project #: 10129644 Fuze Project ID: 16272203

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

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

Base Requirements:

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

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.

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

Material Certification:

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

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

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

OR

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

Antenna & Equipment Placement and Geometry Confirmation:

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

OR

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

Comments:

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

☐ Yes ☐ No

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

Issue:

Contractor shall attach proposed OVP 12'' from the top of OVP pipe in Alpha and Beta sector.

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Comments:

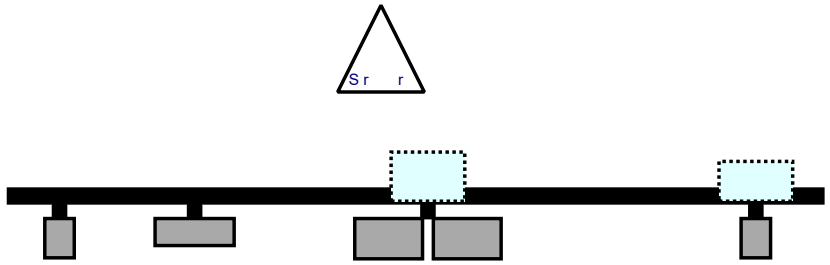
Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

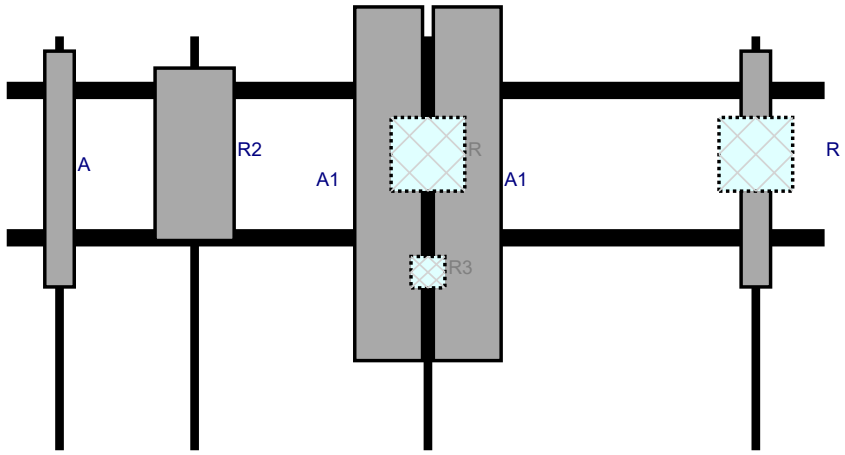
Structure: 467257-VZW - MIDDLETOWN SE CT

S r	**A**		2 4 2 22
S r r T	M	1 12 44	
M E	141.		P 1

Plan View



Front View - L S r r



R	M d		d	D r L.	P	P	A P	. A r T.	A O	S	d
A	APL	13 42T	4	1 2.	1	r	2			R d	1 1 2 22
R	B B13 RR BR 4		1	1 2.	1	B d	24			Add d	
A1	A B R3B		2	13. .	2	r	3			Add d	
A1	A B R3B		2	13. .	2	r	3			Add d	
R3	B T DS 43 2		.4	. .	2	B d	4			Add d	
R	B2 B A RR BR 4		1	1 .	2	B d	24			Add d	
R2	MT 4 A		3 .1	1 .1	3 .2	3	r	24		Add d	
A	APL	13 42T	4	1 .	4	r	2			R d	1 1 2 22
O P1	R D 2 P 4		2 .	1 .		M r				Add d	
O P2	R D 2 P 4		2 .	1 .		M r				R d	

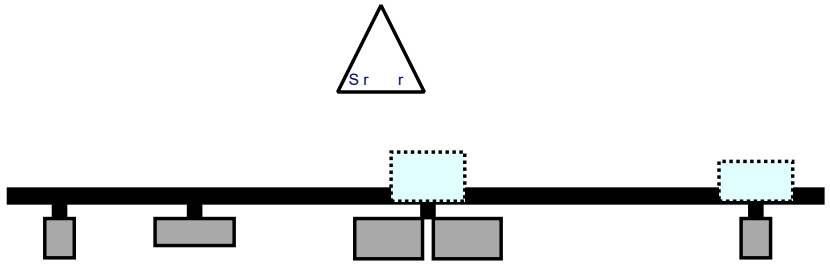
r 2 1 T rE r S LL .A R R r d

S r **B** 2 4 2 22

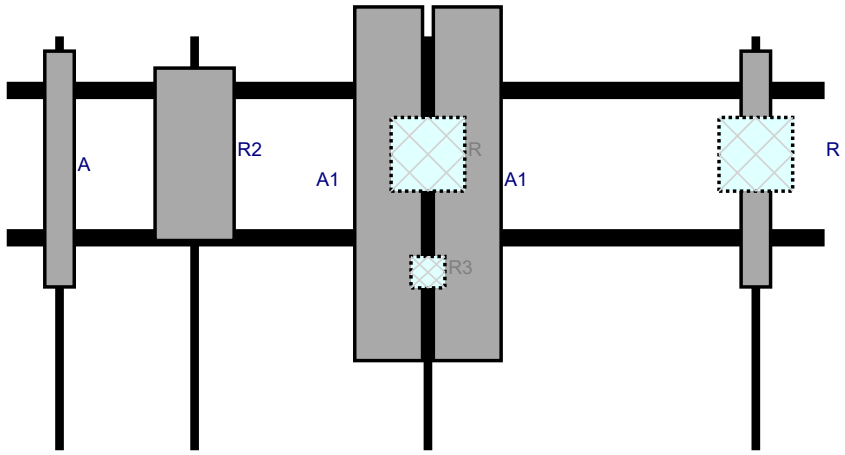
S r r T M 1 12 44

M E 141. P 2

Plan View



Front View - L S r r



4 3 2 1

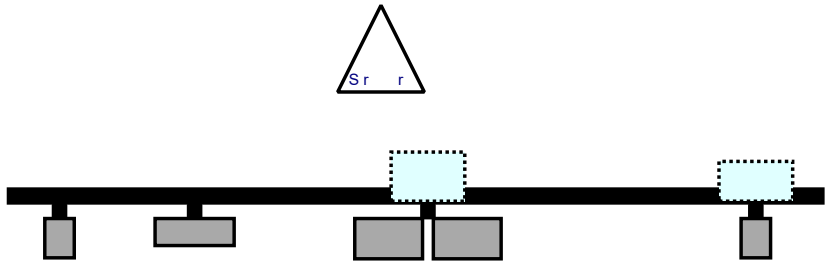
R	M d		d	D r L.	P P	P P	A r T.	. A O	A S	d
A	APL 13 42T	4		1 2.	1		r 2		R d	1 1 2 22
R	B B13 RR BR 4	1	1	1 2.	1		B d 24		Add d	
A1	A B R3B	2	13.	.	2		r 3		Add d	
A1	A B R3B	2	13.	.	2		r 3		Add d	
R3	B T DS 43 2	.4	.	.	2		B d 4		Add d	
R	B2 B A RR BR 4	1	1	.	2		B d 24		Add d	
R2	MT 4 A	3 .1	1 .1	3 .2	3		r 24		Add d	
A	APL 13 42T	4		1 .	4		r 2		R d	1 1 2 22

S r **C** 2 4 2 22

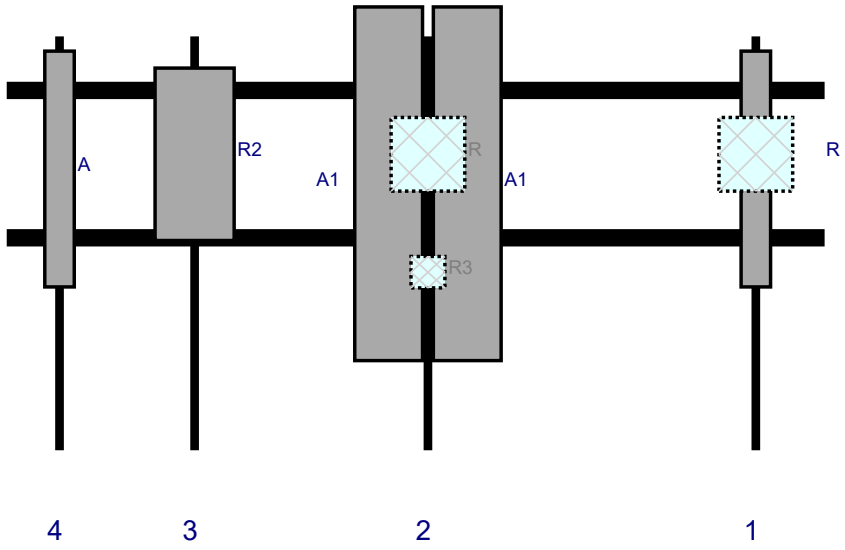
S r r T M 1 12 44

M E 141. P 3

Plan View



Front View - L S r r



R	M d		d	D r L.	P P	P P	A r T.	. A O	A S	d
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R	B B13 RR BR 4	1	1	1 2.	1		B d 24		Add d	
A1	A B R3B	2	13.	.	2		r 3		Add d	
A1	A B R3B	2	13.	.	2		r 3		Add d	
R3	B T DS 43 2	.4	.	.	2		B d 4		Add d	
R	B2 B A RR BR 4	1	1	.	2		B d 24		Add d	
R2	MT 4 A	3 .1	1 .1	3 .2	3		r 24		Add d	
A	APL 13 42T	4		1 .	4		r 2		R d	1 1 2 22


RFS
RFS
01/16/2022 14:29

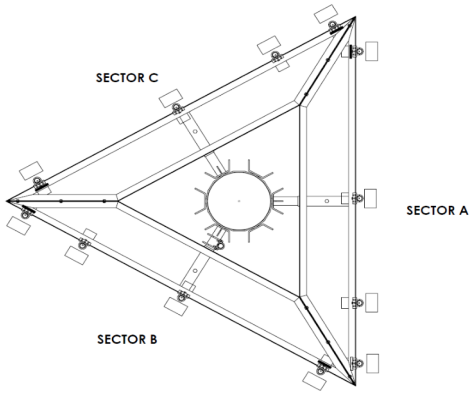
V4.1 Updated on 12-17-2021

Antenna Mount Mapping Form (PATENT PENDING)

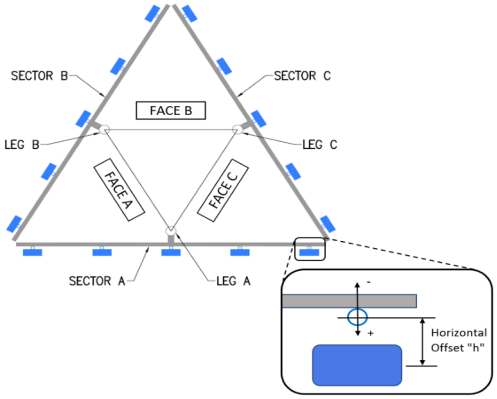
Colliers Engineering & Design

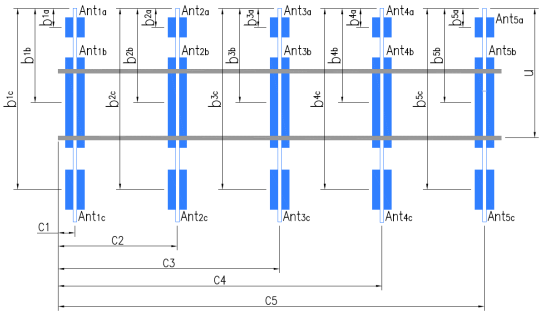
FCC #
UNKNOWN

Tower Owner:	CC	**Mapping Date:**	01-16-2022
Site Name:	CC: Middletown 2 - Marino Property, VZW : Middletown Se Ct	**Tower Type:**	Monopole
Site Number or ID:	CC: 876341, VZW: 467257	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	140.2



ANTANNA PLAN VIEW





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	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	14.00	C1	PIPE 2.375"Ø X 0.16" X 84.25" LONG	41.00	14.00
A2	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	80.75	C2	PIPE 2.375"Ø X 0.16" X 84.25" LONG	41.00	80.75
A3	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	128.25	C3	PIPE 2.375"Ø X 0.16" X 84.25" LONG	41.00	128.25
A4	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	155.75	C4	PIPE 2.375"Ø X 0.16" X 84.25" LONG	41.00	155.75
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	14.00	D1			
B2	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	80.75	D2			
B3	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	128.25	D3			
B4	PIPE 2.375"Ø X 0.16" X 84.25" LO	41.00	155.75	D4			
B5				D5			
B6				D6			

Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	7.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	6
Please enter additional infomation or comments below.	

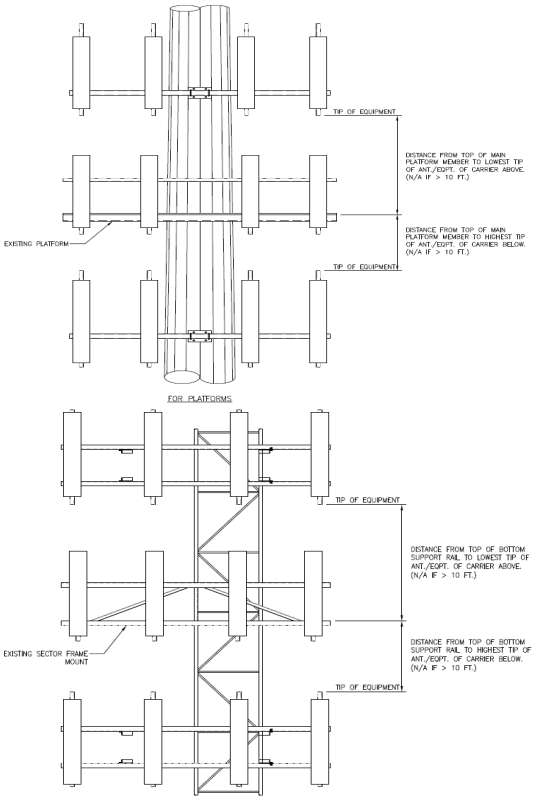
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	23.32

	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}	UNKNOWN-TME	6.00	2.50	7.50		140.99	31.50	-3.00		40, 68
Ant_{1b}	UNKNOWN-PANEL	6.25	7.50	48.50		141.33	27.50	9.00	40.00	40, 68
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		140.74	34.50	9.00	40.00	40, 69
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085-8BF-EDIN	6.10	4.10	48.20		141.45	26.00	8.00	40.00	40, 70
Ant_{3c}										
Ant_{4a}	UNKNOWN-TME	6.00	2.50	7.50		140.99	31.50	-3.00		40, 70
Ant_{4b}	UNKNOWN-PANEL	6.25	7.50	48.50		141.33	27.50	9.00	40.00	40, 70
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	40.00	Deg	Leg A:		Deg
Sector B:	160.00	Deg	Leg B:		Deg
Sector C:	280.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	200.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



Sector B										
Ant_{1a}	UNKNOWN-TME	6.00	2.50	7.50		140.99	31.50	-3.00		48, 72
Ant_{1b}	UNKNOWN-PANEL	6.25	7.50	48.50		141.33	27.50	9.00	160.00	48, 72
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		140.74	34.50	9.00	160.00	48, 72
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085-8BF-EDIN	6.10	4.10	48.20		141.45	26.00	8.00	160.00	48, 73
Ant_{3c}										
Ant_{4a}	UNKNOWN-TME	6.00	2.50	7.50		140.99	31.50	-3.00		48, 73
Ant_{4b}	UNKNOWN-PANEL	6.25	7.50	48.50		141.33	27.50	9.00	160.00	48, 73
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	UNKNOWN-TME	6.00	2.50	7.50		140.99	31.50	-3.00		54, 74
Ant_{1b}	UNKNOWN-PANEL	6.25	7.50	48.50		141.33	27.50	9.00	280.00	54, 74
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		140.74	34.50	9.00	280.00	54, 75
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085-8BF-EDIN	6.10	4.10	48.20		141.45	26.00	8.00	280.00	54, 75
Ant_{3c}										
Ant_{4a}	UNKNOWN-TME	6.00	2.50	7.50		140.99	31.50	-3.00		54, 75
Ant_{4b}	UNKNOWN-PANEL	6.25	7.50	48.50		141.33	27.50	9.00	280.00	54, 75
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										

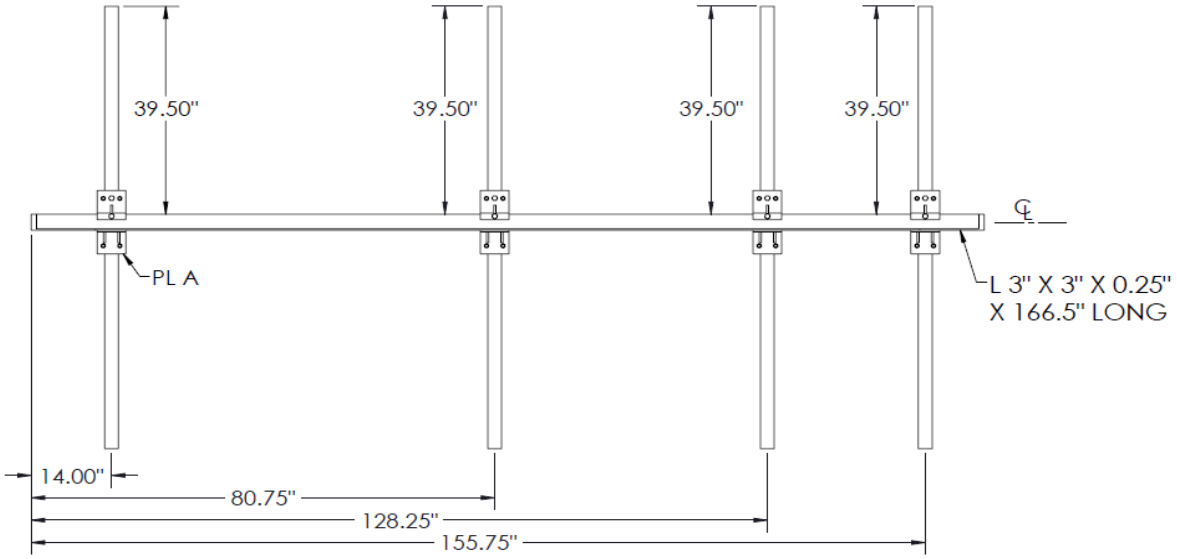
Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	TOTAL COAX(12): (12) FH 1-5/8	27
2		
3		
4		
5		
6		
7		
8		

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

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

SMART Tool© Vendor	Antenna Mount Mapping Form (PATENT PENDING)		FCC #
			UNKNOWN
Tower Owner:	CC	**Mapping Date:**	01-16-2022
Site Name:	CC: Middletown 2 - Marino Property, VZW : Middletown Se Ct	**Tower Type:**	Monopole
Site Number or ID:	CC: 876341, VZW: 467257	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	140.2

Please Insert Sketches of the Antenna Mount



SECTOR VIEW A,B & C

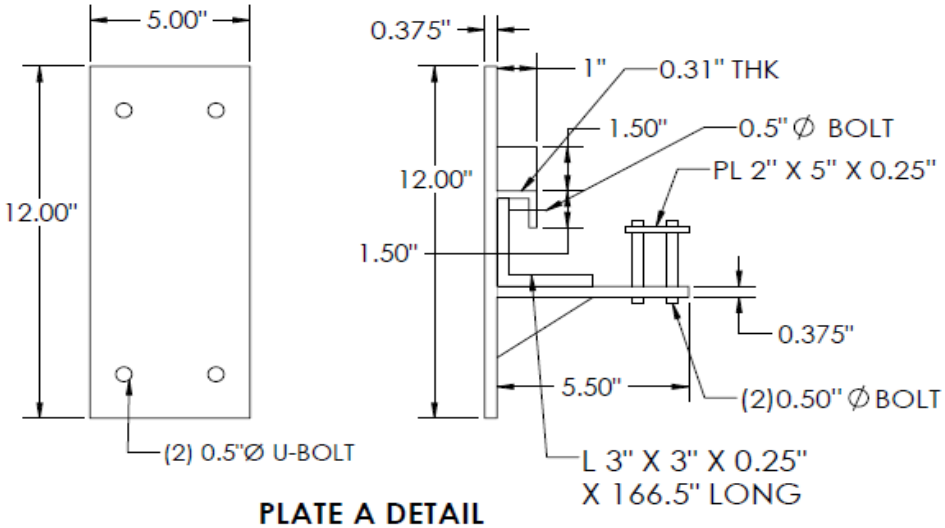
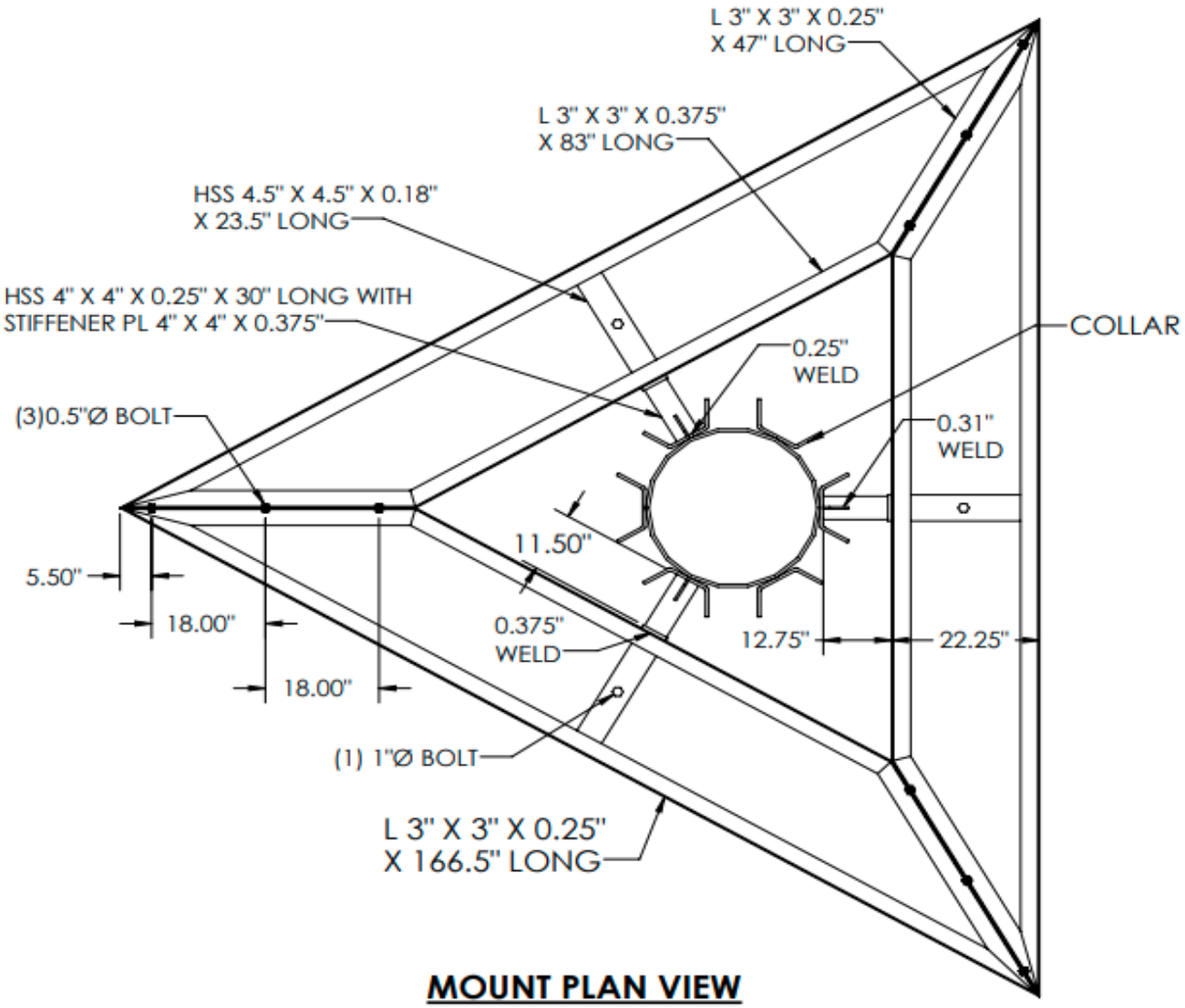


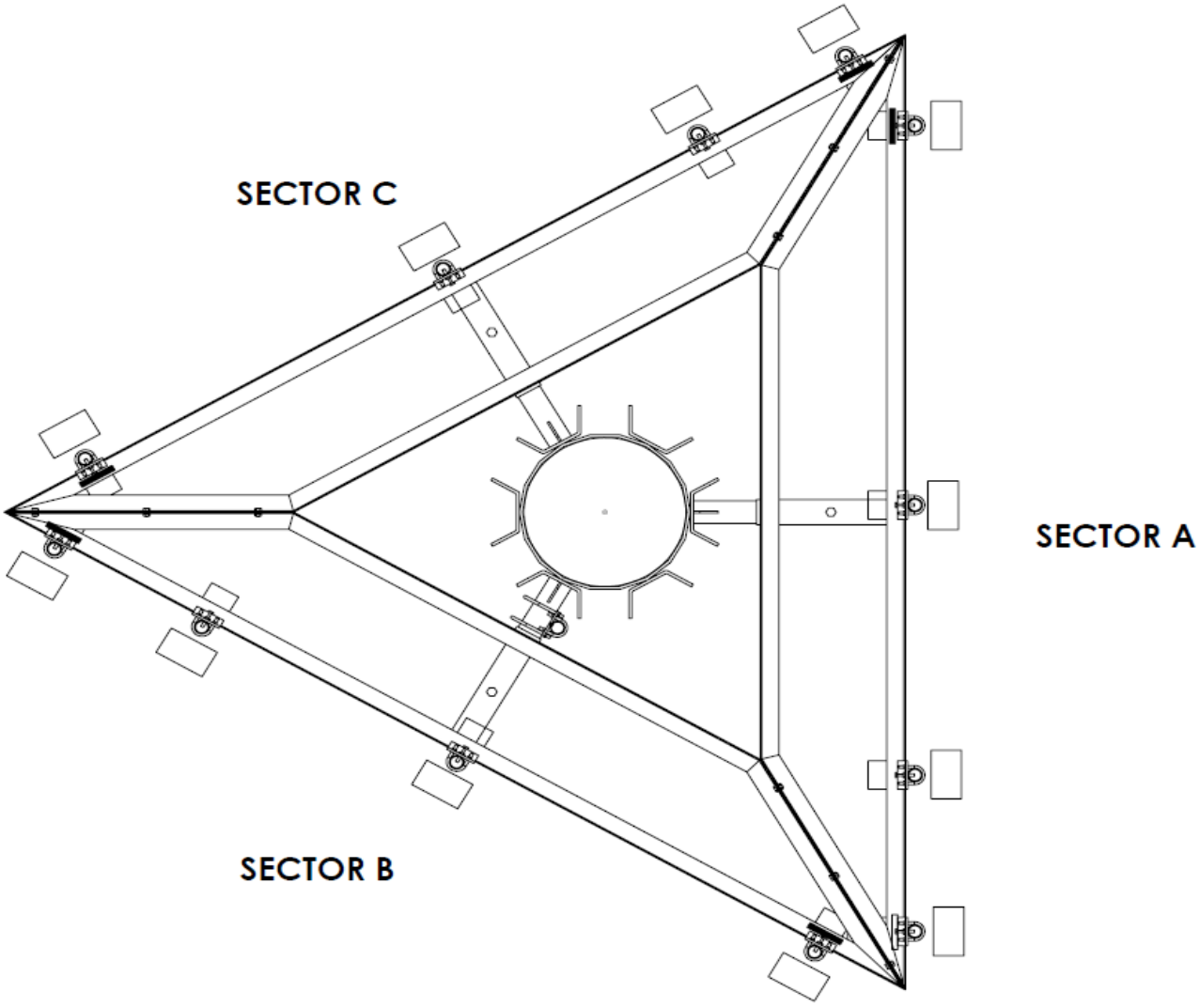
PLATE A DETAIL

Please Insert Sketches of the Antenna Mount, cont'd

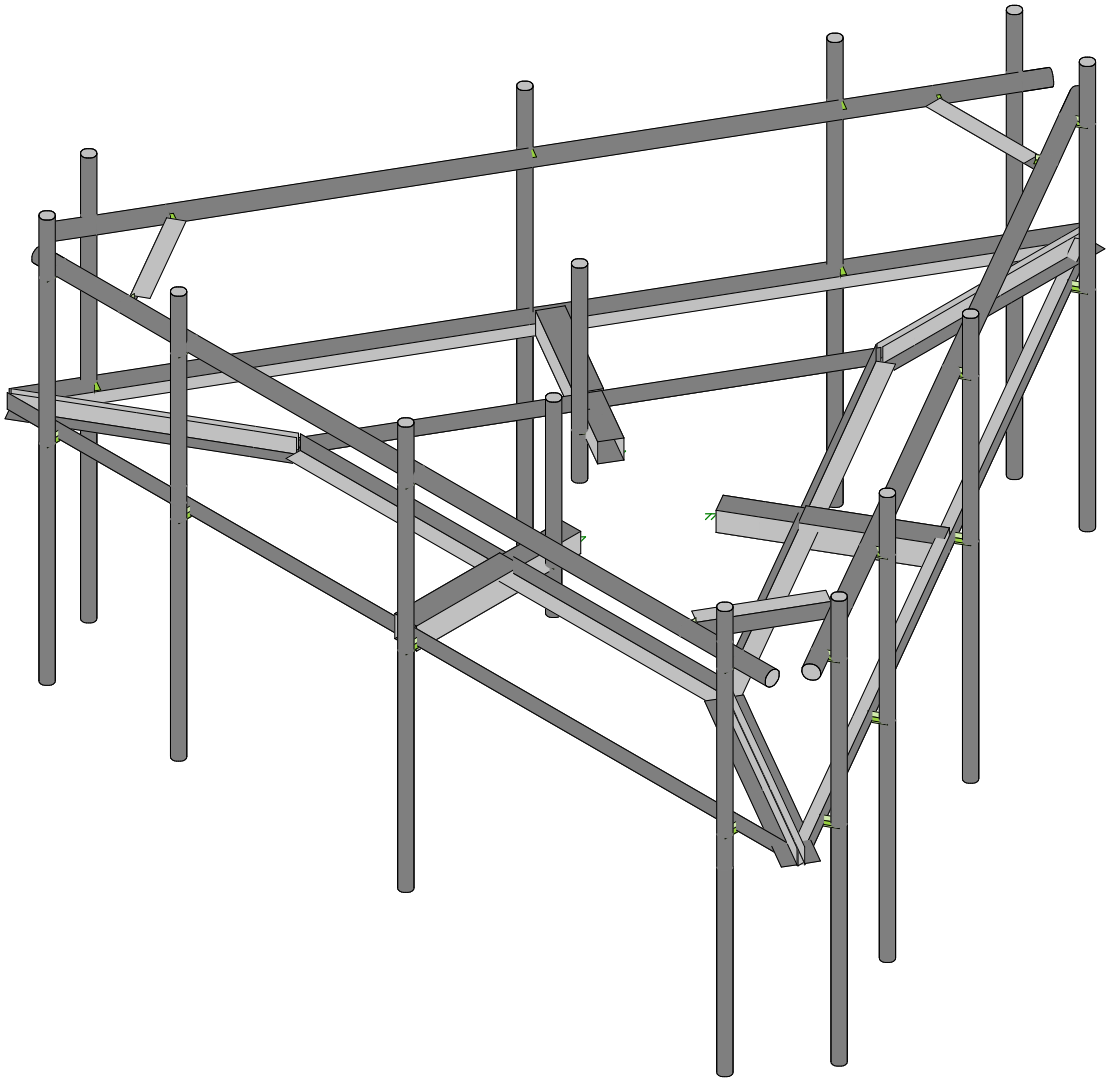


MOUNT PLAN VIEW

Please Insert Sketches of the Antenna Mount, cont'd

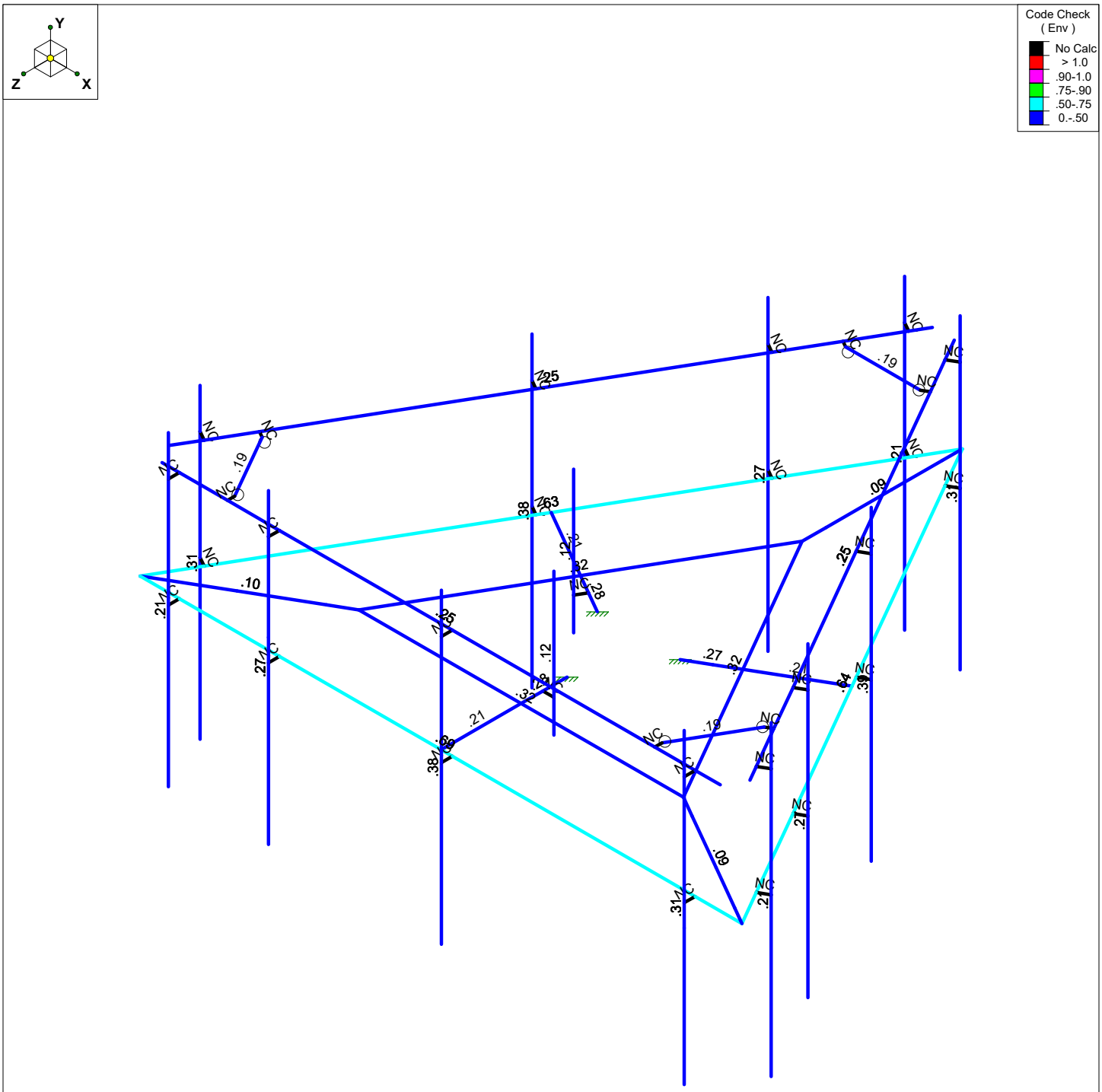


ANTANNA PLAN VIEW



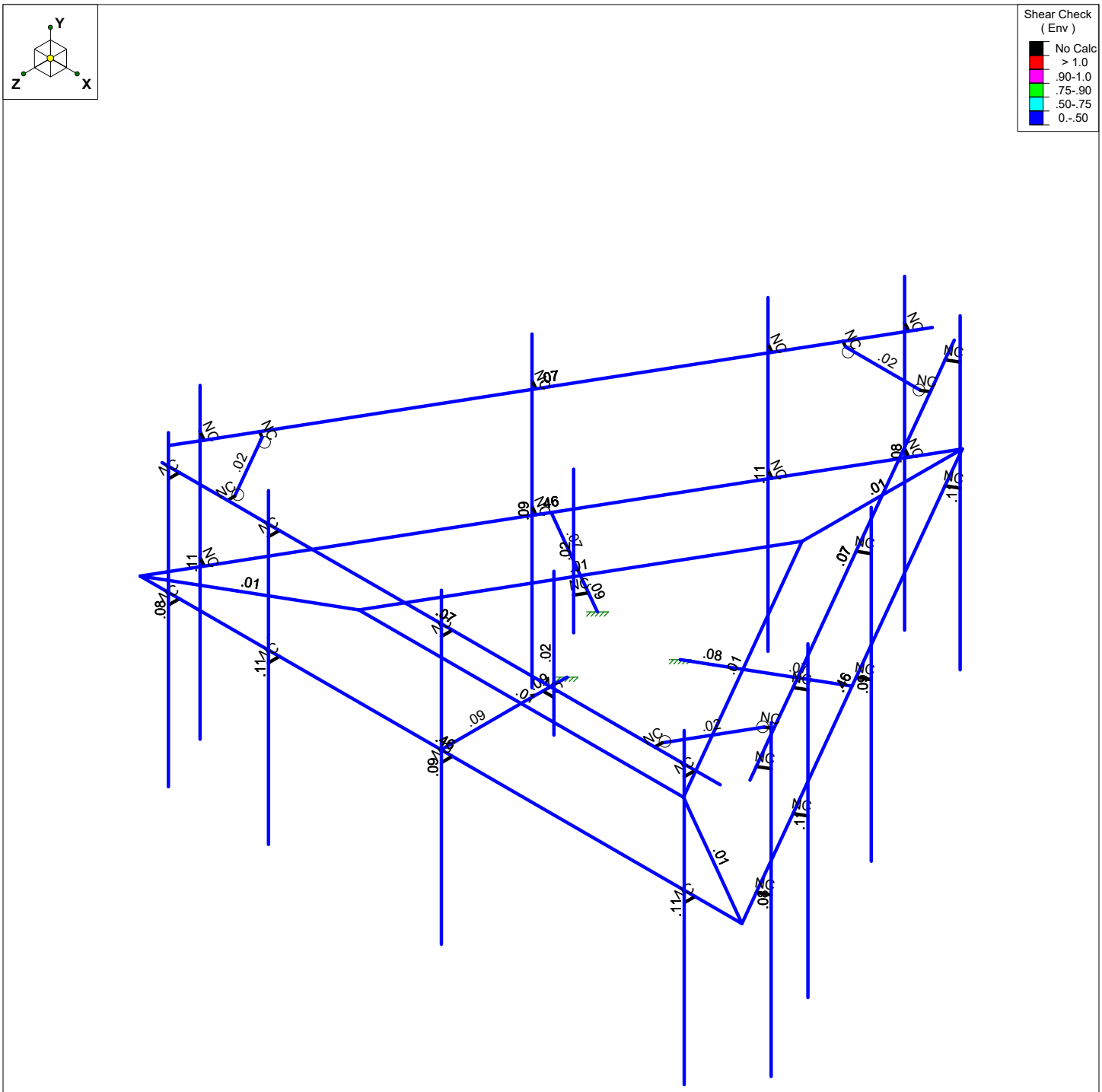
Envelope Only Solution

Maser Consulting	467257-VZW_MT_LO_H	SK - 1
MNC		Feb 4, 2022 at 12:11 PM
Project No. 21781243		467257-VZW_MT_LO_H MOD.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	467257-VZW_MT_LO_H	SK - 2
MNC		Feb 4, 2022 at 12:12 PM
Project No. 21781243		467257-VZW_MT_LO_H MOD.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	467257-VZW_MT_LO_H	SK - 3
MNC		Feb 4, 2022 at 12:12 PM
Project No. 21781243		467257-VZW_MT_LO_H MOD.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					123			
2	Antenna Di	None					123			
3	Antenna Wo (0 Deg)	None					123			
4	Antenna Wo (30 Deg)	None					123			
5	Antenna Wo (60 Deg)	None					123			
6	Antenna Wo (90 Deg)	None					123			
7	Antenna Wo (120 Deg)	None					123			
8	Antenna Wo (150 Deg)	None					123			
9	Antenna Wo (180 Deg)	None					123			
10	Antenna Wo (210 Deg)	None					123			
11	Antenna Wo (240 Deg)	None					123			
12	Antenna Wo (270 Deg)	None					123			
13	Antenna Wo (300 Deg)	None					123			
14	Antenna Wo (330 Deg)	None					123			
15	Antenna Wi (0 Deg)	None					123			
16	Antenna Wi (30 Deg)	None					123			
17	Antenna Wi (60 Deg)	None					123			
18	Antenna Wi (90 Deg)	None					123			
19	Antenna Wi (120 Deg)	None					123			
20	Antenna Wi (150 Deg)	None					123			
21	Antenna Wi (180 Deg)	None					123			
22	Antenna Wi (210 Deg)	None					123			
23	Antenna Wi (240 Deg)	None					123			
24	Antenna Wi (270 Deg)	None					123			
25	Antenna Wi (300 Deg)	None					123			
26	Antenna Wi (330 Deg)	None					123			
27	Antenna Wm (0 Deg)	None					123			
28	Antenna Wm (30 Deg)	None					123			
29	Antenna Wm (60 Deg)	None					123			
30	Antenna Wm (90 Deg)	None					123			
31	Antenna Wm (120 Deg)	None					123			
32	Antenna Wm (150 Deg)	None					123			
33	Antenna Wm (180 Deg)	None					123			
34	Antenna Wm (210 Deg)	None					123			
35	Antenna Wm (240 Deg)	None					123			
36	Antenna Wm (270 Deg)	None					123			
37	Antenna Wm (300 Deg)	None					123			
38	Antenna Wm (330 Deg)	None					123			
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	Antenna Ev	None					123			
82	Antenna Eh (0 Deg)	None					82			
83	Antenna Eh (90 Deg)	None					82			
84	Structure Ev	ELY		-.045					3	
85	Structure Eh (0 Deg)	ELZ			-.114				3	
86	Structure Eh (90 Deg)	ELX	.114						3	
87	BLC 39 Transient Are...	None						33		
88	BLC 40 Transient Are...	None						33		
89	BLC 84 Transient Are...	None						33		
90	BLC 85 Transient Are...	None						33		
91	BLC 86 Transient Are...	None						33		

Load Combinations

	Description	Sol...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
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 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								

Load Combinations (Continued)

	Description	Sol...	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				

Load Combinations (Continued)

	Description	Sol...	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
75	0.9D - 1.0Ev + 1.0Eh..	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5		

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0	0	0	0	
2	N2	0.	0	1.095417	0	
3	N10	-0.	0	-4.291667	0	
4	N11	-0.	0	-4.833333	0	
5	N12	-0.	0	-6.333333	0	
6	N13	-0.	0	-7.5	0	
7	N15	-3.716693	0	2.145834	0	
8	N17	3.716692	0	2.145834	0	
9	N15A	0.	0	2.145834	0	
10	N16A	0.	0	3.979167	0	
11	N15B	-4.18579	0	2.416667	0	
12	N16B	-5.484828	0	3.166667	0	
13	N18A	4.185789	0	2.416667	0	
14	N19	5.484827	0	3.166667	0	
15	N43	5.819206	0	3.979167	0	
16	N45	5.819206	0	4.229167	0	
17	N53	5.819206	3.416667	4.229167	0	
18	N54	5.819206	-3.604167	4.229167	0	
19	N77	0.948658	0	-0.547708	0	
20	N78	1.858346	0	-1.072917	0	
21	N109	-0.948659	0	-0.547708	0	
22	N110	-1.858347	0	-1.072917	0	
23	N108A	3.446059	0	-1.989583	0	
24	N110A	-3.44606	0	-1.989583	0	
25	N119B	1.425334	0	-0.822917	0	
26	N37	6.892119	0	3.979167	0	
27	N40	-0.	0	-7.958334	0	
28	N43A	-6.892119	0	3.979167	0	
29	N32	0.256706	0	3.979167	0	
30	N33	0.256706	0	4.229167	0	
31	N34	0.256706	3.416667	4.229167	0	
32	N35	0.256706	-3.604167	4.229167	0	
33	N36	-3.701628	0	3.979167	0	
34	N37A	-3.701628	0	4.229167	0	
35	N38	-3.701628	3.416667	4.229167	0	
36	N39	-3.701628	-3.604167	4.229167	0	
37	N40A	-5.993294	0	3.979167	0	
38	N41	-5.993294	0	4.229167	0	
39	N42	-5.993294	3.416667	4.229167	0	
40	N43B	-5.993294	-3.604167	4.229167	0	
41	N45A	0.536457	0	-7.029163	0	
42	N46	0.752963	0	-7.154163	0	
43	N47	0.752963	3.416667	-7.154163	0	
44	N48	0.752963	-3.604167	-7.154163	0	
45	N50	3.317707	0	-2.211897	0	
46	N51	3.534213	0	-2.336897	0	
47	N52	3.534213	3.416667	-2.336897	0	
48	N53A	3.534213	-3.604167	-2.336897	0	
49	N54A	5.296873	0	1.21612	0	
50	N55	5.51338	0	1.09112	0	
51	N56	5.51338	3.416667	1.09112	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N57	5.51338	-3.604167	1.09112	0	
53	N58	6.442706	0	3.200762	0	
54	N59	6.659213	0	3.075762	0	
55	N60	6.659213	3.416667	3.075762	0	
56	N61	6.659213	-3.604167	3.075762	0	
57	N63	-6.355662	0	3.049996	0	
58	N64	-6.572169	0	2.924996	0	
59	N65	-6.572169	3.416667	2.924996	0	
60	N66	-6.572169	-3.604167	2.924996	0	
61	N68	-3.574413	0	-1.76727	0	
62	N69	-3.790919	0	-1.89227	0	
63	N70	-3.790919	3.416667	-1.89227	0	
64	N71	-3.790919	-3.604167	-1.89227	0	
65	N72	-1.595246	0	-5.195287	0	
66	N73	-1.811752	0	-5.320287	0	
67	N74	-1.811752	3.416667	-5.320287	0	
68	N75	-1.811752	-3.604167	-5.320287	0	
69	N76	-0.449413	0	-7.179929	0	
70	N77A	-0.665919	0	-7.304929	0	
71	N78A	-0.665919	3.416667	-7.304929	0	
72	N79	-0.665919	-3.604167	-7.304929	0	
73	N76A	-6.49519	0	3.75	0	
74	N78B	6.495191	0	3.75	0	
75	N75A	0.	0	1.645834	0	
76	N76B	0.25	0	1.645834	0	
77	N77B	0.25	2.5	1.645834	0	
78	N78C	0.25	-.75	1.645834	0	
79	N80	-1.425334	0	-0.822917	0	
80	N81	-1.550334	0	-0.606411	0	
81	N82	-1.550334	2.5	-0.606411	0	
82	N83	-1.550334	-.75	-0.606411	0	
83	N83A	5.819206	-.5	4.229167	0	
84	N84	5.819206	2.916667	4.229167	0	
85	N85	-3.701628	.25	4.229167	0	
86	N86	-3.701628	.5	4.229167	0	
87	N87	5.819206	2.5	3.979167	0	
88	N88	5.819206	2.5	4.229167	0	
89	N89	6.392119	2.5	3.979167	0	
90	N90	-6.392119	2.5	3.979167	0	
91	N91	0.256706	2.5	3.979167	0	
92	N92	0.256706	2.5	4.229167	0	
93	N93	-3.701628	2.5	3.979167	0	
94	N94	-3.701628	2.5	4.229167	0	
95	N95	-5.993294	2.5	3.979167	0	
96	N96	-5.993294	2.5	4.229167	0	
97	N97	-4.892119	2.5	3.979167	0	
98	N98	4.892119	2.5	3.979167	0	
99	N99	-4.892119	2.5	3.8125	0	
100	N100	4.892119	2.5	3.8125	0	
101	N102	0.536457	2.5	-7.029163	0	
102	N103	0.752963	2.5	-7.154163	0	
103	N104	0.25	2.5	-7.525321	0	
104	N105	6.642119	2.5	3.546154	0	
105	N106	3.317707	2.5	-2.211897	0	
106	N107	3.534213	2.5	-2.336897	0	
107	N108	5.296873	2.5	1.21612	0	
108	N109A	5.51338	2.5	1.09112	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N110B	6.442707	2.5	3.200762	0	
110	N111	6.659213	2.5	3.075762	0	
111	N112	5.892119	2.5	2.247116	0	
112	N113	1.	2.5	-6.226282	0	
113	N114	5.747782	2.5	2.330449	0	
114	N115	0.855663	2.5	-6.142949	0	
115	N117	-6.355662	2.5	3.049996	0	
116	N118	-6.572169	2.5	2.924996	0	
117	N119	-6.642119	2.5	3.546154	0	
118	N120	-0.25	2.5	-7.525321	0	
119	N121	-3.574412	2.5	-1.76727	0	
120	N122	-3.790919	2.5	-1.89227	0	
121	N123	-1.595246	2.5	-5.195287	0	
122	N124	-1.811752	2.5	-5.320287	0	
123	N125	-0.449412	2.5	-7.179929	0	
124	N126	-0.665919	2.5	-7.304929	0	
125	N127	-1.	2.5	-6.226283	0	
126	N128	-5.892119	2.5	2.247116	0	
127	N129	-0.855662	2.5	-6.14295	0	
128	N130	-5.747781	2.5	2.330449	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Bottom Corner Pla...	L15X6.5X6	Beam	Single Angle	A36 Gr.36	Typical	7.922	24.473	192.7...	.363
3	Standoff_2	HSS4.5X4.5X3	Beam	Tube	A500 Gr.B Rect	Typical	2.93	9.02	9.02	14.4
4	Cross Members	L3X3X4	Beam	Channel	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Face Horizontal	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Standoff_1	HSS4X4X6	Beam	Tube	A500 Gr.B Rect	Typical	4.78	10.3	10.3	17.5
7	Grating Angle	LL3x3x4x0	Beam	Double Ang...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
8	Top Corner Plate	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
9	Proposed Support...	L3X3X6	Beam	Single Angle	A36 Gr.36	Typical	2.11	1.75	1.75	.101
10	Proposed Support...	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N15A			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
2	M2	N15A	N16A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
3	M5	N40	N10		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
4	M6	N43A	N15		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
5	M7	N37	N17		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
6	M6A	N17	N15		270	Cross Members	Beam	Channel	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
7	M19	N43	N45			RIGID	None	None	RIGID	Typical
8	MP1A	N53	N54		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
9	M23A	N10	N17		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
10	M38	N77	N78			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
11	M39A	N15	N10		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
12	M54	N109	N110			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
13	M55	N78	N108A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
14	M56	N110	N110A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
15	M18	N43A	N37		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
16	M19A	N37	N40		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
17	M20	N40	N43A		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
18	M18A	N32	N33			RIGID	None	None	RIGID	Typical
19	MP2A	N34	N35		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
20	M20A	N36	N37A			RIGID	None	None	RIGID	Typical
21	MP3A	N38	N39		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
22	M22	N40A	N41			RIGID	None	None	RIGID	Typical
23	MP4A	N42	N43B		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
24	M24	N45A	N46			RIGID	None	None	RIGID	Typical
25	MP1C	N47	N48		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
26	M26	N50	N51			RIGID	None	None	RIGID	Typical
27	MP2C	N52	N53A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
28	M28	N54A	N55			RIGID	None	None	RIGID	Typical
29	MP3C	N56	N57		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
30	M30	N58	N59			RIGID	None	None	RIGID	Typical
31	MP4C	N60	N61		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
32	M32	N63	N64			RIGID	None	None	RIGID	Typical
33	MP1B	N65	N66		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
34	M34	N68	N69			RIGID	None	None	RIGID	Typical
35	MP2B	N70	N71		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
36	M36	N72	N73			RIGID	None	None	RIGID	Typical
37	MP3B	N74	N75		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
38	M38A	N76	N77A			RIGID	None	None	RIGID	Typical
39	MP4B	N78A	N79		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
40	M40	N75A	N76B			RIGID	None	None	RIGID	Typical
41	OVP1	N77B	N78C			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
42	M42	N80	N81			RIGID	None	None	RIGID	Typical
43	OVP2	N82	N83			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
44	M44	N87	N88			RIGID	None	None	RIGID	Typical
45	M45	N90	N89		270	Proposed Sup...	Beam	Pipe	A53 Gr.B	Typical
46	M46	N91	N92			RIGID	None	None	RIGID	Typical
47	M47	N93	N94			RIGID	None	None	RIGID	Typical
48	M48	N95	N96			RIGID	None	None	RIGID	Typical
49	M49	N97	N99			RIGID	None	None	RIGID	Typical
50	M50	N98	N100			RIGID	None	None	RIGID	Typical
51	M51	N102	N103			RIGID	None	None	RIGID	Typical
52	M52	N105	N104		270	Proposed Sup...	Beam	Pipe	A53 Gr.B	Typical
53	M53	N106	N107			RIGID	None	None	RIGID	Typical
54	M54A	N108	N109A			RIGID	None	None	RIGID	Typical
55	M55A	N110B	N111			RIGID	None	None	RIGID	Typical
56	M56A	N112	N114			RIGID	None	None	RIGID	Typical
57	M57	N113	N115			RIGID	None	None	RIGID	Typical
58	M58	N117	N118			RIGID	None	None	RIGID	Typical
59	M59	N120	N119		270	Proposed Sup...	Beam	Pipe	A53 Gr.B	Typical
60	M60	N121	N122			RIGID	None	None	RIGID	Typical
61	M61	N123	N124			RIGID	None	None	RIGID	Typical
62	M62	N125	N126			RIGID	None	None	RIGID	Typical
63	M63	N127	N129			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
64	M64	N128	N130			RIGID	None	None	RIGID	Typical
65	M65	N99	N130		90	Proposed Sup...	Beam	Single Angle	A36 Gr.36	Typical
66	M66	N114	N100		90	Proposed Sup...	Beam	Single Angle	A36 Gr.36	Typical
67	M67	N129	N115		90	Proposed Sup...	Beam	Single Angle	A36 Gr.36	Typical

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-31.65	.5
2	MP2A	My	-.016	.5
3	MP2A	Mz	.021	.5
4	MP2A	Y	-31.65	4.5
5	MP2A	My	-.016	4.5
6	MP2A	Mz	.021	4.5
7	MP2B	Y	-31.65	.5
8	MP2B	My	-.01	.5
9	MP2B	Mz	-.024	.5
10	MP2B	Y	-31.65	4.5
11	MP2B	My	-.01	4.5
12	MP2B	Mz	-.024	4.5
13	MP2C	Y	-31.65	.5
14	MP2C	My	.026	.5
15	MP2C	Mz	.003	.5
16	MP2C	Y	-31.65	4.5
17	MP2C	My	.026	4.5
18	MP2C	Mz	.003	4.5
19	MP2A	Y	-31.65	.5
20	MP2A	My	-.016	.5
21	MP2A	Mz	-.021	.5
22	MP2A	Y	-31.65	4.5
23	MP2A	My	-.016	4.5
24	MP2A	Mz	-.021	4.5
25	MP2B	Y	-31.65	.5
26	MP2B	My	.026	.5
27	MP2B	Mz	-.003	.5
28	MP2B	Y	-31.65	4.5
29	MP2B	My	.026	4.5
30	MP2B	Mz	-.003	4.5
31	MP2C	Y	-31.65	.5
32	MP2C	My	-.01	.5
33	MP2C	Mz	.024	.5
34	MP2C	Y	-31.65	4.5
35	MP2C	My	-.01	4.5
36	MP2C	Mz	.024	4.5
37	MP3A	Y	-43.55	1
38	MP3A	My	-.022	1
39	MP3A	Mz	0	1
40	MP3A	Y	-43.55	3
41	MP3A	My	-.022	3
42	MP3A	Mz	0	3
43	MP3B	Y	-43.55	1
44	MP3B	My	.011	1
45	MP3B	Mz	-.019	1
46	MP3B	Y	-43.55	3
47	MP3B	My	.011	3
48	MP3B	Mz	-.019	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	Y	-43.55	1
50	MP3C	My	.011	1
51	MP3C	Mz	.019	1
52	MP3C	Y	-43.55	3
53	MP3C	My	.011	3
54	MP3C	Mz	.019	3
55	MP2A	Y	-10.4	4
56	MP2A	My	.005	4
57	MP2A	Mz	0	4
58	MP2B	Y	-10.4	4
59	MP2B	My	-.003	4
60	MP2B	Mz	.005	4
61	MP2C	Y	-10.4	4
62	MP2C	My	-.003	4
63	MP2C	Mz	-.005	4
64	OVP1	Y	-32	1
65	OVP1	My	0	1
66	OVP1	Mz	0	1
67	MP2A	Y	-84.4	2
68	MP2A	My	.042	2
69	MP2A	Mz	0	2
70	MP2B	Y	-84.4	2
71	MP2B	My	-.021	2
72	MP2B	Mz	.037	2
73	MP2C	Y	-84.4	2
74	MP2C	My	-.021	2
75	MP2C	Mz	-.037	2
76	MP1A	Y	-70.3	2
77	MP1A	My	.035	2
78	MP1A	Mz	0	2
79	MP1B	Y	-70.3	2
80	MP1B	My	-.018	2
81	MP1B	Mz	.03	2
82	MP1C	Y	-70.3	2
83	MP1C	My	-.018	2
84	MP1C	Mz	-.03	2
85	MP1A	Y	-3.15	.5
86	MP1A	My	-.002	.5
87	MP1A	Mz	0	.5
88	MP1A	Y	-3.15	4
89	MP1A	My	-.002	4
90	MP1A	Mz	0	4
91	MP1B	Y	-3.15	.5
92	MP1B	My	.001	.5
93	MP1B	Mz	-.002	.5
94	MP1B	Y	-3.15	4
95	MP1B	My	.001	4
96	MP1B	Mz	-.002	4
97	MP1C	Y	-3.15	.5
98	MP1C	My	.001	.5
99	MP1C	Mz	.002	.5
100	MP1C	Y	-3.15	4
101	MP1C	My	.001	4
102	MP1C	Mz	.002	4
103	MP4A	Y	-3.15	.5
104	MP4A	My	-.002	.5
105	MP4A	Mz	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4A	Y	-3.15	4
107	MP4A	My	-.002	4
108	MP4A	Mz	0	4
109	MP4B	Y	-3.15	.5
110	MP4B	My	.001	.5
111	MP4B	Mz	-.002	.5
112	MP4B	Y	-3.15	4
113	MP4B	My	.001	4
114	MP4B	Mz	-.002	4
115	MP4C	Y	-3.15	.5
116	MP4C	My	.001	.5
117	MP4C	Mz	.002	.5
118	MP4C	Y	-3.15	4
119	MP4C	My	.001	4
120	MP4C	Mz	.002	4
121	OVP2	Y	-32	1
122	OVP2	My	0	1
123	OVP2	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-70.1	.5
2	MP2A	My	-.035	.5
3	MP2A	Mz	.047	.5
4	MP2A	Y	-70.1	4.5
5	MP2A	My	-.035	4.5
6	MP2A	Mz	.047	4.5
7	MP2B	Y	-70.1	.5
8	MP2B	My	-.023	.5
9	MP2B	Mz	-.054	.5
10	MP2B	Y	-70.1	4.5
11	MP2B	My	-.023	4.5
12	MP2B	Mz	-.054	4.5
13	MP2C	Y	-70.1	.5
14	MP2C	My	.058	.5
15	MP2C	Mz	.007	.5
16	MP2C	Y	-70.1	4.5
17	MP2C	My	.058	4.5
18	MP2C	Mz	.007	4.5
19	MP2A	Y	-70.1	.5
20	MP2A	My	-.035	.5
21	MP2A	Mz	-.047	.5
22	MP2A	Y	-70.1	4.5
23	MP2A	My	-.035	4.5
24	MP2A	Mz	-.047	4.5
25	MP2B	Y	-70.1	.5
26	MP2B	My	.058	.5
27	MP2B	Mz	-.007	.5
28	MP2B	Y	-70.1	4.5
29	MP2B	My	.058	4.5
30	MP2B	Mz	-.007	4.5
31	MP2C	Y	-70.1	.5
32	MP2C	My	-.023	.5
33	MP2C	Mz	.054	.5
34	MP2C	Y	-70.1	4.5
35	MP2C	My	-.023	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mz	.054	4.5
37	MP3A	Y	-35.693	1
38	MP3A	My	-.018	1
39	MP3A	Mz	0	1
40	MP3A	Y	-35.693	3
41	MP3A	My	-.018	3
42	MP3A	Mz	0	3
43	MP3B	Y	-35.693	1
44	MP3B	My	.009	1
45	MP3B	Mz	-.015	1
46	MP3B	Y	-35.693	3
47	MP3B	My	.009	3
48	MP3B	Mz	-.015	3
49	MP3C	Y	-35.693	1
50	MP3C	My	.009	1
51	MP3C	Mz	.015	1
52	MP3C	Y	-35.693	3
53	MP3C	My	.009	3
54	MP3C	Mz	.015	3
55	MP2A	Y	-10.768	4
56	MP2A	My	.005	4
57	MP2A	Mz	0	4
58	MP2B	Y	-10.768	4
59	MP2B	My	-.003	4
60	MP2B	Mz	.005	4
61	MP2C	Y	-10.768	4
62	MP2C	My	-.003	4
63	MP2C	Mz	-.005	4
64	OVP1	Y	-88.105	1
65	OVP1	My	0	1
66	OVP1	Mz	0	1
67	MP2A	Y	-45.001	2
68	MP2A	My	.023	2
69	MP2A	Mz	0	2
70	MP2B	Y	-45.001	2
71	MP2B	My	-.011	2
72	MP2B	Mz	.019	2
73	MP2C	Y	-45.001	2
74	MP2C	My	-.011	2
75	MP2C	Mz	-.019	2
76	MP1A	Y	-40.471	2
77	MP1A	My	.02	2
78	MP1A	Mz	0	2
79	MP1B	Y	-40.471	2
80	MP1B	My	-.01	2
81	MP1B	Mz	.018	2
82	MP1C	Y	-40.471	2
83	MP1C	My	-.01	2
84	MP1C	Mz	-.018	2
85	MP1A	Y	-31.305	.5
86	MP1A	My	-.023	.5
87	MP1A	Mz	0	.5
88	MP1A	Y	-31.305	4
89	MP1A	My	-.023	4
90	MP1A	Mz	0	4
91	MP1B	Y	-31.305	.5
92	MP1B	My	.012	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP1B	Mz	-.02	.5
94	MP1B	Y	-31.305	4
95	MP1B	My	.012	4
96	MP1B	Mz	-.02	4
97	MP1C	Y	-31.305	.5
98	MP1C	My	.012	.5
99	MP1C	Mz	.02	.5
100	MP1C	Y	-31.305	4
101	MP1C	My	.012	4
102	MP1C	Mz	.02	4
103	MP4A	Y	-31.305	.5
104	MP4A	My	-.023	.5
105	MP4A	Mz	0	.5
106	MP4A	Y	-31.305	4
107	MP4A	My	-.023	4
108	MP4A	Mz	0	4
109	MP4B	Y	-31.305	.5
110	MP4B	My	.012	.5
111	MP4B	Mz	-.02	.5
112	MP4B	Y	-31.305	4
113	MP4B	My	.012	4
114	MP4B	Mz	-.02	4
115	MP4C	Y	-31.305	.5
116	MP4C	My	.012	.5
117	MP4C	Mz	.02	.5
118	MP4C	Y	-31.305	4
119	MP4C	My	.012	4
120	MP4C	Mz	.02	4
121	OVP2	Y	-88.105	1
122	OVP2	My	0	1
123	OVP2	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-154.475	.5
3	MP2A	Mx	-.103	.5
4	MP2A	X	0	4.5
5	MP2A	Z	-154.475	4.5
6	MP2A	Mx	-.103	4.5
7	MP2B	X	0	.5
8	MP2B	Z	-114.712	.5
9	MP2B	Mx	.088	.5
10	MP2B	X	0	4.5
11	MP2B	Z	-114.712	4.5
12	MP2B	Mx	.088	4.5
13	MP2C	X	0	.5
14	MP2C	Z	-114.712	.5
15	MP2C	Mx	-.011	.5
16	MP2C	X	0	4.5
17	MP2C	Z	-114.712	4.5
18	MP2C	Mx	-.011	4.5
19	MP2A	X	0	.5
20	MP2A	Z	-154.475	.5
21	MP2A	Mx	.103	.5
22	MP2A	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-154.475	4.5
24	MP2A	Mx	.103	4.5
25	MP2B	X	0	.5
26	MP2B	Z	-114.712	.5
27	MP2B	Mx	.011	.5
28	MP2B	X	0	4.5
29	MP2B	Z	-114.712	4.5
30	MP2B	Mx	.011	4.5
31	MP2C	X	0	.5
32	MP2C	Z	-114.712	.5
33	MP2C	Mx	-.088	.5
34	MP2C	X	0	4.5
35	MP2C	Z	-114.712	4.5
36	MP2C	Mx	-.088	4.5
37	MP3A	X	0	1
38	MP3A	Z	-79.696	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-79.696	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-43.325	1
45	MP3B	Mx	.019	1
46	MP3B	X	0	3
47	MP3B	Z	-43.325	3
48	MP3B	Mx	.019	3
49	MP3C	X	0	1
50	MP3C	Z	-43.325	1
51	MP3C	Mx	-.019	1
52	MP3C	X	0	3
53	MP3C	Z	-43.325	3
54	MP3C	Mx	-.019	3
55	MP2A	X	0	4
56	MP2A	Z	-12.548	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	-9.648	4
60	MP2B	Mx	-.004	4
61	MP2C	X	0	4
62	MP2C	Z	-9.648	4
63	MP2C	Mx	.004	4
64	OVP1	X	0	1
65	OVP1	Z	-129.528	1
66	OVP1	Mx	0	1
67	MP2A	X	0	2
68	MP2A	Z	-63.418	2
69	MP2A	Mx	0	2
70	MP2B	X	0	2
71	MP2B	Z	-47.648	2
72	MP2B	Mx	-.021	2
73	MP2C	X	0	2
74	MP2C	Z	-47.648	2
75	MP2C	Mx	.021	2
76	MP1A	X	0	2
77	MP1A	Z	-63.418	2
78	MP1A	Mx	0	2
79	MP1B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1B	Z	-41.607	2
81	MP1B	Mx	-.018	2
82	MP1C	X	0	2
83	MP1C	Z	-41.607	2
84	MP1C	Mx	.018	2
85	MP1A	X	0	.5
86	MP1A	Z	-48.496	.5
87	MP1A	Mx	0	.5
88	MP1A	X	0	4
89	MP1A	Z	-48.496	4
90	MP1A	Mx	0	4
91	MP1B	X	0	.5
92	MP1B	Z	-58.095	.5
93	MP1B	Mx	.038	.5
94	MP1B	X	0	4
95	MP1B	Z	-58.095	4
96	MP1B	Mx	.038	4
97	MP1C	X	0	.5
98	MP1C	Z	-58.095	.5
99	MP1C	Mx	-.038	.5
100	MP1C	X	0	4
101	MP1C	Z	-58.095	4
102	MP1C	Mx	-.038	4
103	MP4A	X	0	.5
104	MP4A	Z	-48.496	.5
105	MP4A	Mx	0	.5
106	MP4A	X	0	4
107	MP4A	Z	-48.496	4
108	MP4A	Mx	0	4
109	MP4B	X	0	.5
110	MP4B	Z	-58.095	.5
111	MP4B	Mx	.038	.5
112	MP4B	X	0	4
113	MP4B	Z	-58.095	4
114	MP4B	Mx	.038	4
115	MP4C	X	0	.5
116	MP4C	Z	-58.095	.5
117	MP4C	Mx	-.038	.5
118	MP4C	X	0	4
119	MP4C	Z	-58.095	4
120	MP4C	Mx	-.038	4
121	OVP2	X	0	1
122	OVP2	Z	-129.528	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	70.61	.5
2	MP2A	Z	-122.301	.5
3	MP2A	Mx	-.117	.5
4	MP2A	X	70.61	4.5
5	MP2A	Z	-122.301	4.5
6	MP2A	Mx	-.117	4.5
7	MP2B	X	50.729	.5
8	MP2B	Z	-87.865	.5
9	MP2B	Mx	.051	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	50.729	4.5
11	MP2B	Z	-87.865	4.5
12	MP2B	Mx	.051	4.5
13	MP2C	X	70.61	.5
14	MP2C	Z	-122.301	.5
15	MP2C	Mx	.046	.5
16	MP2C	X	70.61	4.5
17	MP2C	Z	-122.301	4.5
18	MP2C	Mx	.046	4.5
19	MP2A	X	70.61	.5
20	MP2A	Z	-122.301	.5
21	MP2A	Mx	.046	.5
22	MP2A	X	70.61	4.5
23	MP2A	Z	-122.301	4.5
24	MP2A	Mx	.046	4.5
25	MP2B	X	50.729	.5
26	MP2B	Z	-87.865	.5
27	MP2B	Mx	.051	.5
28	MP2B	X	50.729	4.5
29	MP2B	Z	-87.865	4.5
30	MP2B	Mx	.051	4.5
31	MP2C	X	70.61	.5
32	MP2C	Z	-122.301	.5
33	MP2C	Mx	-.117	.5
34	MP2C	X	70.61	4.5
35	MP2C	Z	-122.301	4.5
36	MP2C	Mx	-.117	4.5
37	MP3A	X	33.786	1
38	MP3A	Z	-58.519	1
39	MP3A	Mx	-.017	1
40	MP3A	X	33.786	3
41	MP3A	Z	-58.519	3
42	MP3A	Mx	-.017	3
43	MP3B	X	15.6	1
44	MP3B	Z	-27.021	1
45	MP3B	Mx	.016	1
46	MP3B	X	15.6	3
47	MP3B	Z	-27.021	3
48	MP3B	Mx	.016	3
49	MP3C	X	33.786	1
50	MP3C	Z	-58.519	1
51	MP3C	Mx	-.017	1
52	MP3C	X	33.786	3
53	MP3C	Z	-58.519	3
54	MP3C	Mx	-.017	3
55	MP2A	X	5.791	4
56	MP2A	Z	-10.03	4
57	MP2A	Mx	.003	4
58	MP2B	X	4.341	4
59	MP2B	Z	-7.519	4
60	MP2B	Mx	-.004	4
61	MP2C	X	5.791	4
62	MP2C	Z	-10.03	4
63	MP2C	Mx	.003	4
64	OVP1	X	56.603	1
65	OVP1	Z	-98.04	1
66	OVP1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2A	X	29.081	2
68	MP2A	Z	-50.369	2
69	MP2A	Mx	.015	2
70	MP2B	X	21.196	2
71	MP2B	Z	-36.712	2
72	MP2B	Mx	-.021	2
73	MP2C	X	29.081	2
74	MP2C	Z	-50.369	2
75	MP2C	Mx	.015	2
76	MP1A	X	28.074	2
77	MP1A	Z	-48.625	2
78	MP1A	Mx	.014	2
79	MP1B	X	17.169	2
80	MP1B	Z	-29.737	2
81	MP1B	Mx	-.017	2
82	MP1C	X	28.074	2
83	MP1C	Z	-48.625	2
84	MP1C	Mx	.014	2
85	MP1A	X	25.848	.5
86	MP1A	Z	-44.77	.5
87	MP1A	Mx	-.019	.5
88	MP1A	X	25.848	4
89	MP1A	Z	-44.77	4
90	MP1A	Mx	-.019	4
91	MP1B	X	30.648	.5
92	MP1B	Z	-53.083	.5
93	MP1B	Mx	.046	.5
94	MP1B	X	30.648	4
95	MP1B	Z	-53.083	4
96	MP1B	Mx	.046	4
97	MP1C	X	25.848	.5
98	MP1C	Z	-44.77	.5
99	MP1C	Mx	-.019	.5
100	MP1C	X	25.848	4
101	MP1C	Z	-44.77	4
102	MP1C	Mx	-.019	4
103	MP4A	X	25.848	.5
104	MP4A	Z	-44.77	.5
105	MP4A	Mx	-.019	.5
106	MP4A	X	25.848	4
107	MP4A	Z	-44.77	4
108	MP4A	Mx	-.019	4
109	MP4B	X	30.648	.5
110	MP4B	Z	-53.083	.5
111	MP4B	Mx	.046	.5
112	MP4B	X	30.648	4
113	MP4B	Z	-53.083	4
114	MP4B	Mx	.046	4
115	MP4C	X	25.848	.5
116	MP4C	Z	-44.77	.5
117	MP4C	Mx	-.019	.5
118	MP4C	X	25.848	4
119	MP4C	Z	-44.77	4
120	MP4C	Mx	-.019	4
121	OVP2	X	56.603	1
122	OVP2	Z	-98.04	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	99.343	.5
2	MP2A	Z	-57.356	.5
3	MP2A	Mx	-.088	.5
4	MP2A	X	99.343	4.5
5	MP2A	Z	-57.356	4.5
6	MP2A	Mx	-.088	4.5
7	MP2B	X	99.343	.5
8	MP2B	Z	-57.356	.5
9	MP2B	Mx	.011	.5
10	MP2B	X	99.343	4.5
11	MP2B	Z	-57.356	4.5
12	MP2B	Mx	.011	4.5
13	MP2C	X	133.779	.5
14	MP2C	Z	-77.238	.5
15	MP2C	Mx	.103	.5
16	MP2C	X	133.779	4.5
17	MP2C	Z	-77.238	4.5
18	MP2C	Mx	.103	4.5
19	MP2A	X	99.343	.5
20	MP2A	Z	-57.356	.5
21	MP2A	Mx	-.011	.5
22	MP2A	X	99.343	4.5
23	MP2A	Z	-57.356	4.5
24	MP2A	Mx	-.011	4.5
25	MP2B	X	99.343	.5
26	MP2B	Z	-57.356	.5
27	MP2B	Mx	.088	.5
28	MP2B	X	99.343	4.5
29	MP2B	Z	-57.356	4.5
30	MP2B	Mx	.088	4.5
31	MP2C	X	133.779	.5
32	MP2C	Z	-77.238	.5
33	MP2C	Mx	-.103	.5
34	MP2C	X	133.779	4.5
35	MP2C	Z	-77.238	4.5
36	MP2C	Mx	-.103	4.5
37	MP3A	X	37.52	1
38	MP3A	Z	-21.662	1
39	MP3A	Mx	-.019	1
40	MP3A	X	37.52	3
41	MP3A	Z	-21.662	3
42	MP3A	Mx	-.019	3
43	MP3B	X	37.52	1
44	MP3B	Z	-21.662	1
45	MP3B	Mx	.019	1
46	MP3B	X	37.52	3
47	MP3B	Z	-21.662	3
48	MP3B	Mx	.019	3
49	MP3C	X	69.019	1
50	MP3C	Z	-39.848	1
51	MP3C	Mx	0	1
52	MP3C	X	69.019	3
53	MP3C	Z	-39.848	3
54	MP3C	Mx	0	3
55	MP2A	X	8.356	4
56	MP2A	Z	-4.824	4
57	MP2A	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	8.356	4
59	MP2B	Z	-4.824	4
60	MP2B	Mx	-.004	4
61	MP2C	X	10.867	4
62	MP2C	Z	-6.274	4
63	MP2C	Mx	0	4
64	OVP1	X	90.973	1
65	OVP1	Z	-52.523	1
66	OVP1	Mx	0	1
67	MP2A	X	41.265	2
68	MP2A	Z	-23.824	2
69	MP2A	Mx	.021	2
70	MP2B	X	41.265	2
71	MP2B	Z	-23.824	2
72	MP2B	Mx	-.021	2
73	MP2C	X	54.921	2
74	MP2C	Z	-31.709	2
75	MP2C	Mx	0	2
76	MP1A	X	36.033	2
77	MP1A	Z	-20.804	2
78	MP1A	Mx	.018	2
79	MP1B	X	36.033	2
80	MP1B	Z	-20.804	2
81	MP1B	Mx	-.018	2
82	MP1C	X	54.921	2
83	MP1C	Z	-31.709	2
84	MP1C	Mx	0	2
85	MP1A	X	50.312	.5
86	MP1A	Z	-29.048	.5
87	MP1A	Mx	-.038	.5
88	MP1A	X	50.312	4
89	MP1A	Z	-29.048	4
90	MP1A	Mx	-.038	4
91	MP1B	X	50.312	.5
92	MP1B	Z	-29.048	.5
93	MP1B	Mx	.038	.5
94	MP1B	X	50.312	4
95	MP1B	Z	-29.048	4
96	MP1B	Mx	.038	4
97	MP1C	X	41.999	.5
98	MP1C	Z	-24.248	.5
99	MP1C	Mx	0	.5
100	MP1C	X	41.999	4
101	MP1C	Z	-24.248	4
102	MP1C	Mx	0	4
103	MP4A	X	50.312	.5
104	MP4A	Z	-29.048	.5
105	MP4A	Mx	-.038	.5
106	MP4A	X	50.312	4
107	MP4A	Z	-29.048	4
108	MP4A	Mx	-.038	4
109	MP4B	X	50.312	.5
110	MP4B	Z	-29.048	.5
111	MP4B	Mx	.038	.5
112	MP4B	X	50.312	4
113	MP4B	Z	-29.048	4
114	MP4B	Mx	.038	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	41.999	.5
116	MP4C	Z	-24.248	.5
117	MP4C	Mx	0	.5
118	MP4C	X	41.999	4
119	MP4C	Z	-24.248	4
120	MP4C	Mx	0	4
121	OVP2	X	90.973	1
122	OVP2	Z	-52.523	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	101.457	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.051	.5
4	MP2A	X	101.457	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	-.051	4.5
7	MP2B	X	141.221	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.046	.5
10	MP2B	X	141.221	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	-.046	4.5
13	MP2C	X	141.221	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.117	.5
16	MP2C	X	141.221	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	.117	4.5
19	MP2A	X	101.457	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.051	.5
22	MP2A	X	101.457	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	-.051	4.5
25	MP2B	X	141.221	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.117	.5
28	MP2B	X	141.221	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	.117	4.5
31	MP2C	X	141.221	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.046	.5
34	MP2C	X	141.221	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	-.046	4.5
37	MP3A	X	31.201	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.016	1
40	MP3A	X	31.201	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.016	3
43	MP3B	X	67.572	1
44	MP3B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.017	1
46	MP3B	X	67.572	3
47	MP3B	Z	0	3
48	MP3B	Mx	.017	3
49	MP3C	X	67.572	1
50	MP3C	Z	0	1
51	MP3C	Mx	.017	1
52	MP3C	X	67.572	3
53	MP3C	Z	0	3
54	MP3C	Mx	.017	3
55	MP2A	X	8.682	4
56	MP2A	Z	0	4
57	MP2A	Mx	.004	4
58	MP2B	X	11.581	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.003	4
61	MP2C	X	11.581	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.003	4
64	OVP1	X	113.207	1
65	OVP1	Z	0	1
66	OVP1	Mx	0	1
67	MP2A	X	42.392	2
68	MP2A	Z	0	2
69	MP2A	Mx	.021	2
70	MP2B	X	58.161	2
71	MP2B	Z	0	2
72	MP2B	Mx	-.015	2
73	MP2C	X	58.161	2
74	MP2C	Z	0	2
75	MP2C	Mx	-.015	2
76	MP1A	X	34.337	2
77	MP1A	Z	0	2
78	MP1A	Mx	.017	2
79	MP1B	X	56.148	2
80	MP1B	Z	0	2
81	MP1B	Mx	-.014	2
82	MP1C	X	56.148	2
83	MP1C	Z	0	2
84	MP1C	Mx	-.014	2
85	MP1A	X	61.295	.5
86	MP1A	Z	0	.5
87	MP1A	Mx	-.046	.5
88	MP1A	X	61.295	4
89	MP1A	Z	0	4
90	MP1A	Mx	-.046	4
91	MP1B	X	51.696	.5
92	MP1B	Z	0	.5
93	MP1B	Mx	.019	.5
94	MP1B	X	51.696	4
95	MP1B	Z	0	4
96	MP1B	Mx	.019	4
97	MP1C	X	51.696	.5
98	MP1C	Z	0	.5
99	MP1C	Mx	.019	.5
100	MP1C	X	51.696	4
101	MP1C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	.019	4
103	MP4A	X	61.295	.5
104	MP4A	Z	0	.5
105	MP4A	Mx	-.046	.5
106	MP4A	X	61.295	4
107	MP4A	Z	0	4
108	MP4A	Mx	-.046	4
109	MP4B	X	51.696	.5
110	MP4B	Z	0	.5
111	MP4B	Mx	.019	.5
112	MP4B	X	51.696	4
113	MP4B	Z	0	4
114	MP4B	Mx	.019	4
115	MP4C	X	51.696	.5
116	MP4C	Z	0	.5
117	MP4C	Mx	.019	.5
118	MP4C	X	51.696	4
119	MP4C	Z	0	4
120	MP4C	Mx	.019	4
121	OVP2	X	113.207	1
122	OVP2	Z	0	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	99.343	.5
2	MP2A	Z	57.356	.5
3	MP2A	Mx	-.011	.5
4	MP2A	X	99.343	4.5
5	MP2A	Z	57.356	4.5
6	MP2A	Mx	-.011	4.5
7	MP2B	X	133.779	.5
8	MP2B	Z	77.238	.5
9	MP2B	Mx	-.103	.5
10	MP2B	X	133.779	4.5
11	MP2B	Z	77.238	4.5
12	MP2B	Mx	-.103	4.5
13	MP2C	X	99.343	.5
14	MP2C	Z	57.356	.5
15	MP2C	Mx	.088	.5
16	MP2C	X	99.343	4.5
17	MP2C	Z	57.356	4.5
18	MP2C	Mx	.088	4.5
19	MP2A	X	99.343	.5
20	MP2A	Z	57.356	.5
21	MP2A	Mx	-.088	.5
22	MP2A	X	99.343	4.5
23	MP2A	Z	57.356	4.5
24	MP2A	Mx	-.088	4.5
25	MP2B	X	133.779	.5
26	MP2B	Z	77.238	.5
27	MP2B	Mx	.103	.5
28	MP2B	X	133.779	4.5
29	MP2B	Z	77.238	4.5
30	MP2B	Mx	.103	4.5
31	MP2C	X	99.343	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	57.356	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	99.343	4.5
35	MP2C	Z	57.356	4.5
36	MP2C	Mx	.011	4.5
37	MP3A	X	37.52	1
38	MP3A	Z	21.662	1
39	MP3A	Mx	-.019	1
40	MP3A	X	37.52	3
41	MP3A	Z	21.662	3
42	MP3A	Mx	-.019	3
43	MP3B	X	69.019	1
44	MP3B	Z	39.848	1
45	MP3B	Mx	0	1
46	MP3B	X	69.019	3
47	MP3B	Z	39.848	3
48	MP3B	Mx	0	3
49	MP3C	X	37.52	1
50	MP3C	Z	21.662	1
51	MP3C	Mx	.019	1
52	MP3C	X	37.52	3
53	MP3C	Z	21.662	3
54	MP3C	Mx	.019	3
55	MP2A	X	8.356	4
56	MP2A	Z	4.824	4
57	MP2A	Mx	.004	4
58	MP2B	X	10.867	4
59	MP2B	Z	6.274	4
60	MP2B	Mx	0	4
61	MP2C	X	8.356	4
62	MP2C	Z	4.824	4
63	MP2C	Mx	-.004	4
64	OVP1	X	112.174	1
65	OVP1	Z	64.764	1
66	OVP1	Mx	0	1
67	MP2A	X	41.265	2
68	MP2A	Z	23.824	2
69	MP2A	Mx	.021	2
70	MP2B	X	54.921	2
71	MP2B	Z	31.709	2
72	MP2B	Mx	0	2
73	MP2C	X	41.265	2
74	MP2C	Z	23.824	2
75	MP2C	Mx	-.021	2
76	MP1A	X	36.033	2
77	MP1A	Z	20.804	2
78	MP1A	Mx	.018	2
79	MP1B	X	54.921	2
80	MP1B	Z	31.709	2
81	MP1B	Mx	0	2
82	MP1C	X	36.033	2
83	MP1C	Z	20.804	2
84	MP1C	Mx	-.018	2
85	MP1A	X	50.312	.5
86	MP1A	Z	29.048	.5
87	MP1A	Mx	-.038	.5
88	MP1A	X	50.312	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	29.048	4
90	MP1A	Mx	-.038	4
91	MP1B	X	41.999	.5
92	MP1B	Z	24.248	.5
93	MP1B	Mx	0	.5
94	MP1B	X	41.999	4
95	MP1B	Z	24.248	4
96	MP1B	Mx	0	4
97	MP1C	X	50.312	.5
98	MP1C	Z	29.048	.5
99	MP1C	Mx	.038	.5
100	MP1C	X	50.312	4
101	MP1C	Z	29.048	4
102	MP1C	Mx	.038	4
103	MP4A	X	50.312	.5
104	MP4A	Z	29.048	.5
105	MP4A	Mx	-.038	.5
106	MP4A	X	50.312	4
107	MP4A	Z	29.048	4
108	MP4A	Mx	-.038	4
109	MP4B	X	41.999	.5
110	MP4B	Z	24.248	.5
111	MP4B	Mx	0	.5
112	MP4B	X	41.999	4
113	MP4B	Z	24.248	4
114	MP4B	Mx	0	4
115	MP4C	X	50.312	.5
116	MP4C	Z	29.048	.5
117	MP4C	Mx	.038	.5
118	MP4C	X	50.312	4
119	MP4C	Z	29.048	4
120	MP4C	Mx	.038	4
121	OVP2	X	112.174	1
122	OVP2	Z	64.764	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	70.61	.5
2	MP2A	Z	122.301	.5
3	MP2A	Mx	.046	.5
4	MP2A	X	70.61	4.5
5	MP2A	Z	122.301	4.5
6	MP2A	Mx	.046	4.5
7	MP2B	X	70.61	.5
8	MP2B	Z	122.301	.5
9	MP2B	Mx	-.117	.5
10	MP2B	X	70.61	4.5
11	MP2B	Z	122.301	4.5
12	MP2B	Mx	-.117	4.5
13	MP2C	X	50.729	.5
14	MP2C	Z	87.865	.5
15	MP2C	Mx	.051	.5
16	MP2C	X	50.729	4.5
17	MP2C	Z	87.865	4.5
18	MP2C	Mx	.051	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	70.61	.5
20	MP2A	Z	122.301	.5
21	MP2A	Mx	-.117	.5
22	MP2A	X	70.61	4.5
23	MP2A	Z	122.301	4.5
24	MP2A	Mx	-.117	4.5
25	MP2B	X	70.61	.5
26	MP2B	Z	122.301	.5
27	MP2B	Mx	.046	.5
28	MP2B	X	70.61	4.5
29	MP2B	Z	122.301	4.5
30	MP2B	Mx	.046	4.5
31	MP2C	X	50.729	.5
32	MP2C	Z	87.865	.5
33	MP2C	Mx	.051	.5
34	MP2C	X	50.729	4.5
35	MP2C	Z	87.865	4.5
36	MP2C	Mx	.051	4.5
37	MP3A	X	33.786	1
38	MP3A	Z	58.519	1
39	MP3A	Mx	-.017	1
40	MP3A	X	33.786	3
41	MP3A	Z	58.519	3
42	MP3A	Mx	-.017	3
43	MP3B	X	33.786	1
44	MP3B	Z	58.519	1
45	MP3B	Mx	-.017	1
46	MP3B	X	33.786	3
47	MP3B	Z	58.519	3
48	MP3B	Mx	-.017	3
49	MP3C	X	15.6	1
50	MP3C	Z	27.021	1
51	MP3C	Mx	.016	1
52	MP3C	X	15.6	3
53	MP3C	Z	27.021	3
54	MP3C	Mx	.016	3
55	MP2A	X	5.791	4
56	MP2A	Z	10.03	4
57	MP2A	Mx	.003	4
58	MP2B	X	5.791	4
59	MP2B	Z	10.03	4
60	MP2B	Mx	.003	4
61	MP2C	X	4.341	4
62	MP2C	Z	7.519	4
63	MP2C	Mx	-.004	4
64	OVP1	X	68.844	1
65	OVP1	Z	119.241	1
66	OVP1	Mx	0	1
67	MP2A	X	29.081	2
68	MP2A	Z	50.369	2
69	MP2A	Mx	.015	2
70	MP2B	X	29.081	2
71	MP2B	Z	50.369	2
72	MP2B	Mx	.015	2
73	MP2C	X	21.196	2
74	MP2C	Z	36.712	2
75	MP2C	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	28.074	2
77	MP1A	Z	48.625	2
78	MP1A	Mx	.014	2
79	MP1B	X	28.074	2
80	MP1B	Z	48.625	2
81	MP1B	Mx	.014	2
82	MP1C	X	17.169	2
83	MP1C	Z	29.737	2
84	MP1C	Mx	-.017	2
85	MP1A	X	25.848	.5
86	MP1A	Z	44.77	.5
87	MP1A	Mx	-.019	.5
88	MP1A	X	25.848	4
89	MP1A	Z	44.77	4
90	MP1A	Mx	-.019	4
91	MP1B	X	25.848	.5
92	MP1B	Z	44.77	.5
93	MP1B	Mx	-.019	.5
94	MP1B	X	25.848	4
95	MP1B	Z	44.77	4
96	MP1B	Mx	-.019	4
97	MP1C	X	30.648	.5
98	MP1C	Z	53.083	.5
99	MP1C	Mx	.046	.5
100	MP1C	X	30.648	4
101	MP1C	Z	53.083	4
102	MP1C	Mx	.046	4
103	MP4A	X	25.848	.5
104	MP4A	Z	44.77	.5
105	MP4A	Mx	-.019	.5
106	MP4A	X	25.848	4
107	MP4A	Z	44.77	4
108	MP4A	Mx	-.019	4
109	MP4B	X	25.848	.5
110	MP4B	Z	44.77	.5
111	MP4B	Mx	-.019	.5
112	MP4B	X	25.848	4
113	MP4B	Z	44.77	4
114	MP4B	Mx	-.019	4
115	MP4C	X	30.648	.5
116	MP4C	Z	53.083	.5
117	MP4C	Mx	.046	.5
118	MP4C	X	30.648	4
119	MP4C	Z	53.083	4
120	MP4C	Mx	.046	4
121	OVP2	X	68.844	1
122	OVP2	Z	119.241	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	154.475	.5
3	MP2A	Mx	.103	.5
4	MP2A	X	0	4.5
5	MP2A	Z	154.475	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.103	4.5
7	MP2B	X	0	.5
8	MP2B	Z	114.712	.5
9	MP2B	Mx	-.088	.5
10	MP2B	X	0	4.5
11	MP2B	Z	114.712	4.5
12	MP2B	Mx	-.088	4.5
13	MP2C	X	0	.5
14	MP2C	Z	114.712	.5
15	MP2C	Mx	.011	.5
16	MP2C	X	0	4.5
17	MP2C	Z	114.712	4.5
18	MP2C	Mx	.011	4.5
19	MP2A	X	0	.5
20	MP2A	Z	154.475	.5
21	MP2A	Mx	-.103	.5
22	MP2A	X	0	4.5
23	MP2A	Z	154.475	4.5
24	MP2A	Mx	-.103	4.5
25	MP2B	X	0	.5
26	MP2B	Z	114.712	.5
27	MP2B	Mx	-.011	.5
28	MP2B	X	0	4.5
29	MP2B	Z	114.712	4.5
30	MP2B	Mx	-.011	4.5
31	MP2C	X	0	.5
32	MP2C	Z	114.712	.5
33	MP2C	Mx	.088	.5
34	MP2C	X	0	4.5
35	MP2C	Z	114.712	4.5
36	MP2C	Mx	.088	4.5
37	MP3A	X	0	1
38	MP3A	Z	79.696	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	79.696	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	43.325	1
45	MP3B	Mx	-.019	1
46	MP3B	X	0	3
47	MP3B	Z	43.325	3
48	MP3B	Mx	-.019	3
49	MP3C	X	0	1
50	MP3C	Z	43.325	1
51	MP3C	Mx	.019	1
52	MP3C	X	0	3
53	MP3C	Z	43.325	3
54	MP3C	Mx	.019	3
55	MP2A	X	0	4
56	MP2A	Z	12.548	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	9.648	4
60	MP2B	Mx	.004	4
61	MP2C	X	0	4
62	MP2C	Z	9.648	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.004	4
64	OVP1	X	0	1
65	OVP1	Z	129.528	1
66	OVP1	Mx	0	1
67	MP2A	X	0	2
68	MP2A	Z	63.418	2
69	MP2A	Mx	0	2
70	MP2B	X	0	2
71	MP2B	Z	47.648	2
72	MP2B	Mx	.021	2
73	MP2C	X	0	2
74	MP2C	Z	47.648	2
75	MP2C	Mx	-.021	2
76	MP1A	X	0	2
77	MP1A	Z	63.418	2
78	MP1A	Mx	0	2
79	MP1B	X	0	2
80	MP1B	Z	41.607	2
81	MP1B	Mx	.018	2
82	MP1C	X	0	2
83	MP1C	Z	41.607	2
84	MP1C	Mx	-.018	2
85	MP1A	X	0	.5
86	MP1A	Z	48.496	.5
87	MP1A	Mx	0	.5
88	MP1A	X	0	4
89	MP1A	Z	48.496	4
90	MP1A	Mx	0	4
91	MP1B	X	0	.5
92	MP1B	Z	58.095	.5
93	MP1B	Mx	-.038	.5
94	MP1B	X	0	4
95	MP1B	Z	58.095	4
96	MP1B	Mx	-.038	4
97	MP1C	X	0	.5
98	MP1C	Z	58.095	.5
99	MP1C	Mx	.038	.5
100	MP1C	X	0	4
101	MP1C	Z	58.095	4
102	MP1C	Mx	.038	4
103	MP4A	X	0	.5
104	MP4A	Z	48.496	.5
105	MP4A	Mx	0	.5
106	MP4A	X	0	4
107	MP4A	Z	48.496	4
108	MP4A	Mx	0	4
109	MP4B	X	0	.5
110	MP4B	Z	58.095	.5
111	MP4B	Mx	-.038	.5
112	MP4B	X	0	4
113	MP4B	Z	58.095	4
114	MP4B	Mx	-.038	4
115	MP4C	X	0	.5
116	MP4C	Z	58.095	.5
117	MP4C	Mx	.038	.5
118	MP4C	X	0	4
119	MP4C	Z	58.095	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mx	.038	4
121	OVP2	X	0	1
122	OVP2	Z	129.528	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-70.61	.5
2	MP2A	Z	122.301	.5
3	MP2A	Mx	.117	.5
4	MP2A	X	-70.61	4.5
5	MP2A	Z	122.301	4.5
6	MP2A	Mx	.117	4.5
7	MP2B	X	-50.729	.5
8	MP2B	Z	87.865	.5
9	MP2B	Mx	-.051	.5
10	MP2B	X	-50.729	4.5
11	MP2B	Z	87.865	4.5
12	MP2B	Mx	-.051	4.5
13	MP2C	X	-70.61	.5
14	MP2C	Z	122.301	.5
15	MP2C	Mx	-.046	.5
16	MP2C	X	-70.61	4.5
17	MP2C	Z	122.301	4.5
18	MP2C	Mx	-.046	4.5
19	MP2A	X	-70.61	.5
20	MP2A	Z	122.301	.5
21	MP2A	Mx	-.046	.5
22	MP2A	X	-70.61	4.5
23	MP2A	Z	122.301	4.5
24	MP2A	Mx	-.046	4.5
25	MP2B	X	-50.729	.5
26	MP2B	Z	87.865	.5
27	MP2B	Mx	-.051	.5
28	MP2B	X	-50.729	4.5
29	MP2B	Z	87.865	4.5
30	MP2B	Mx	-.051	4.5
31	MP2C	X	-70.61	.5
32	MP2C	Z	122.301	.5
33	MP2C	Mx	.117	.5
34	MP2C	X	-70.61	4.5
35	MP2C	Z	122.301	4.5
36	MP2C	Mx	.117	4.5
37	MP3A	X	-33.786	1
38	MP3A	Z	58.519	1
39	MP3A	Mx	.017	1
40	MP3A	X	-33.786	3
41	MP3A	Z	58.519	3
42	MP3A	Mx	.017	3
43	MP3B	X	-15.6	1
44	MP3B	Z	27.021	1
45	MP3B	Mx	-.016	1
46	MP3B	X	-15.6	3
47	MP3B	Z	27.021	3
48	MP3B	Mx	-.016	3
49	MP3C	X	-33.786	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	58.519	1
51	MP3C	Mx	.017	1
52	MP3C	X	-33.786	3
53	MP3C	Z	58.519	3
54	MP3C	Mx	.017	3
55	MP2A	X	-5.791	4
56	MP2A	Z	10.03	4
57	MP2A	Mx	-.003	4
58	MP2B	X	-4.341	4
59	MP2B	Z	7.519	4
60	MP2B	Mx	.004	4
61	MP2C	X	-5.791	4
62	MP2C	Z	10.03	4
63	MP2C	Mx	-.003	4
64	OVP1	X	-56.603	1
65	OVP1	Z	98.04	1
66	OVP1	Mx	0	1
67	MP2A	X	-29.081	2
68	MP2A	Z	50.369	2
69	MP2A	Mx	-.015	2
70	MP2B	X	-21.196	2
71	MP2B	Z	36.712	2
72	MP2B	Mx	.021	2
73	MP2C	X	-29.081	2
74	MP2C	Z	50.369	2
75	MP2C	Mx	-.015	2
76	MP1A	X	-28.074	2
77	MP1A	Z	48.625	2
78	MP1A	Mx	-.014	2
79	MP1B	X	-17.169	2
80	MP1B	Z	29.737	2
81	MP1B	Mx	.017	2
82	MP1C	X	-28.074	2
83	MP1C	Z	48.625	2
84	MP1C	Mx	-.014	2
85	MP1A	X	-25.848	.5
86	MP1A	Z	44.77	.5
87	MP1A	Mx	.019	.5
88	MP1A	X	-25.848	4
89	MP1A	Z	44.77	4
90	MP1A	Mx	.019	4
91	MP1B	X	-30.648	.5
92	MP1B	Z	53.083	.5
93	MP1B	Mx	-.046	.5
94	MP1B	X	-30.648	4
95	MP1B	Z	53.083	4
96	MP1B	Mx	-.046	4
97	MP1C	X	-25.848	.5
98	MP1C	Z	44.77	.5
99	MP1C	Mx	.019	.5
100	MP1C	X	-25.848	4
101	MP1C	Z	44.77	4
102	MP1C	Mx	.019	4
103	MP4A	X	-25.848	.5
104	MP4A	Z	44.77	.5
105	MP4A	Mx	.019	.5
106	MP4A	X	-25.848	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4A	Z	44.77	4
108	MP4A	Mx	.019	4
109	MP4B	X	-30.648	.5
110	MP4B	Z	53.083	.5
111	MP4B	Mx	-.046	.5
112	MP4B	X	-30.648	4
113	MP4B	Z	53.083	4
114	MP4B	Mx	-.046	4
115	MP4C	X	-25.848	.5
116	MP4C	Z	44.77	.5
117	MP4C	Mx	.019	.5
118	MP4C	X	-25.848	4
119	MP4C	Z	44.77	4
120	MP4C	Mx	.019	4
121	OVP2	X	-56.603	1
122	OVP2	Z	98.04	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-99.343	.5
2	MP2A	Z	57.356	.5
3	MP2A	Mx	.088	.5
4	MP2A	X	-99.343	4.5
5	MP2A	Z	57.356	4.5
6	MP2A	Mx	.088	4.5
7	MP2B	X	-99.343	.5
8	MP2B	Z	57.356	.5
9	MP2B	Mx	-.011	.5
10	MP2B	X	-99.343	4.5
11	MP2B	Z	57.356	4.5
12	MP2B	Mx	-.011	4.5
13	MP2C	X	-133.779	.5
14	MP2C	Z	77.238	.5
15	MP2C	Mx	-.103	.5
16	MP2C	X	-133.779	4.5
17	MP2C	Z	77.238	4.5
18	MP2C	Mx	-.103	4.5
19	MP2A	X	-99.343	.5
20	MP2A	Z	57.356	.5
21	MP2A	Mx	.011	.5
22	MP2A	X	-99.343	4.5
23	MP2A	Z	57.356	4.5
24	MP2A	Mx	.011	4.5
25	MP2B	X	-99.343	.5
26	MP2B	Z	57.356	.5
27	MP2B	Mx	-.088	.5
28	MP2B	X	-99.343	4.5
29	MP2B	Z	57.356	4.5
30	MP2B	Mx	-.088	4.5
31	MP2C	X	-133.779	.5
32	MP2C	Z	77.238	.5
33	MP2C	Mx	.103	.5
34	MP2C	X	-133.779	4.5
35	MP2C	Z	77.238	4.5
36	MP2C	Mx	.103	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-37.52	1
38	MP3A	Z	21.662	1
39	MP3A	Mx	.019	1
40	MP3A	X	-37.52	3
41	MP3A	Z	21.662	3
42	MP3A	Mx	.019	3
43	MP3B	X	-37.52	1
44	MP3B	Z	21.662	1
45	MP3B	Mx	-.019	1
46	MP3B	X	-37.52	3
47	MP3B	Z	21.662	3
48	MP3B	Mx	-.019	3
49	MP3C	X	-69.019	1
50	MP3C	Z	39.848	1
51	MP3C	Mx	0	1
52	MP3C	X	-69.019	3
53	MP3C	Z	39.848	3
54	MP3C	Mx	0	3
55	MP2A	X	-8.356	4
56	MP2A	Z	4.824	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-8.356	4
59	MP2B	Z	4.824	4
60	MP2B	Mx	.004	4
61	MP2C	X	-10.867	4
62	MP2C	Z	6.274	4
63	MP2C	Mx	0	4
64	OVP1	X	-90.973	1
65	OVP1	Z	52.523	1
66	OVP1	Mx	0	1
67	MP2A	X	-41.265	2
68	MP2A	Z	23.824	2
69	MP2A	Mx	-.021	2
70	MP2B	X	-41.265	2
71	MP2B	Z	23.824	2
72	MP2B	Mx	.021	2
73	MP2C	X	-54.921	2
74	MP2C	Z	31.709	2
75	MP2C	Mx	0	2
76	MP1A	X	-36.033	2
77	MP1A	Z	20.804	2
78	MP1A	Mx	-.018	2
79	MP1B	X	-36.033	2
80	MP1B	Z	20.804	2
81	MP1B	Mx	.018	2
82	MP1C	X	-54.921	2
83	MP1C	Z	31.709	2
84	MP1C	Mx	0	2
85	MP1A	X	-50.312	.5
86	MP1A	Z	29.048	.5
87	MP1A	Mx	.038	.5
88	MP1A	X	-50.312	4
89	MP1A	Z	29.048	4
90	MP1A	Mx	.038	4
91	MP1B	X	-50.312	.5
92	MP1B	Z	29.048	.5
93	MP1B	Mx	-.038	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1B	X	-50.312	4
95	MP1B	Z	29.048	4
96	MP1B	Mx	-.038	4
97	MP1C	X	-41.999	.5
98	MP1C	Z	24.248	.5
99	MP1C	Mx	0	.5
100	MP1C	X	-41.999	4
101	MP1C	Z	24.248	4
102	MP1C	Mx	0	4
103	MP4A	X	-50.312	.5
104	MP4A	Z	29.048	.5
105	MP4A	Mx	.038	.5
106	MP4A	X	-50.312	4
107	MP4A	Z	29.048	4
108	MP4A	Mx	.038	4
109	MP4B	X	-50.312	.5
110	MP4B	Z	29.048	.5
111	MP4B	Mx	-.038	.5
112	MP4B	X	-50.312	4
113	MP4B	Z	29.048	4
114	MP4B	Mx	-.038	4
115	MP4C	X	-41.999	.5
116	MP4C	Z	24.248	.5
117	MP4C	Mx	0	.5
118	MP4C	X	-41.999	4
119	MP4C	Z	24.248	4
120	MP4C	Mx	0	4
121	OVP2	X	-90.973	1
122	OVP2	Z	52.523	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-101.457	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.051	.5
4	MP2A	X	-101.457	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	.051	4.5
7	MP2B	X	-141.221	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.046	.5
10	MP2B	X	-141.221	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	.046	4.5
13	MP2C	X	-141.221	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.117	.5
16	MP2C	X	-141.221	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	-.117	4.5
19	MP2A	X	-101.457	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.051	.5
22	MP2A	X	-101.457	4.5
23	MP2A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.051	4.5
25	MP2B	X	-141.221	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.117	.5
28	MP2B	X	-141.221	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	-.117	4.5
31	MP2C	X	-141.221	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.046	.5
34	MP2C	X	-141.221	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	.046	4.5
37	MP3A	X	-31.201	1
38	MP3A	Z	0	1
39	MP3A	Mx	.016	1
40	MP3A	X	-31.201	3
41	MP3A	Z	0	3
42	MP3A	Mx	.016	3
43	MP3B	X	-67.572	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.017	1
46	MP3B	X	-67.572	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.017	3
49	MP3C	X	-67.572	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.017	1
52	MP3C	X	-67.572	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.017	3
55	MP2A	X	-8.682	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-11.581	4
59	MP2B	Z	0	4
60	MP2B	Mx	.003	4
61	MP2C	X	-11.581	4
62	MP2C	Z	0	4
63	MP2C	Mx	.003	4
64	OVP1	X	-113.207	1
65	OVP1	Z	0	1
66	OVP1	Mx	0	1
67	MP2A	X	-42.392	2
68	MP2A	Z	0	2
69	MP2A	Mx	-.021	2
70	MP2B	X	-58.161	2
71	MP2B	Z	0	2
72	MP2B	Mx	.015	2
73	MP2C	X	-58.161	2
74	MP2C	Z	0	2
75	MP2C	Mx	.015	2
76	MP1A	X	-34.337	2
77	MP1A	Z	0	2
78	MP1A	Mx	-.017	2
79	MP1B	X	-56.148	2
80	MP1B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	.014	2
82	MP1C	X	-56.148	2
83	MP1C	Z	0	2
84	MP1C	Mx	.014	2
85	MP1A	X	-61.295	.5
86	MP1A	Z	0	.5
87	MP1A	Mx	.046	.5
88	MP1A	X	-61.295	4
89	MP1A	Z	0	4
90	MP1A	Mx	.046	4
91	MP1B	X	-51.696	.5
92	MP1B	Z	0	.5
93	MP1B	Mx	-.019	.5
94	MP1B	X	-51.696	4
95	MP1B	Z	0	4
96	MP1B	Mx	-.019	4
97	MP1C	X	-51.696	.5
98	MP1C	Z	0	.5
99	MP1C	Mx	-.019	.5
100	MP1C	X	-51.696	4
101	MP1C	Z	0	4
102	MP1C	Mx	-.019	4
103	MP4A	X	-61.295	.5
104	MP4A	Z	0	.5
105	MP4A	Mx	.046	.5
106	MP4A	X	-61.295	4
107	MP4A	Z	0	4
108	MP4A	Mx	.046	4
109	MP4B	X	-51.696	.5
110	MP4B	Z	0	.5
111	MP4B	Mx	-.019	.5
112	MP4B	X	-51.696	4
113	MP4B	Z	0	4
114	MP4B	Mx	-.019	4
115	MP4C	X	-51.696	.5
116	MP4C	Z	0	.5
117	MP4C	Mx	-.019	.5
118	MP4C	X	-51.696	4
119	MP4C	Z	0	4
120	MP4C	Mx	-.019	4
121	OVP2	X	-113.207	1
122	OVP2	Z	0	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-99.343	.5
2	MP2A	Z	-57.356	.5
3	MP2A	Mx	.011	.5
4	MP2A	X	-99.343	4.5
5	MP2A	Z	-57.356	4.5
6	MP2A	Mx	.011	4.5
7	MP2B	X	-133.779	.5
8	MP2B	Z	-77.238	.5
9	MP2B	Mx	.103	.5
10	MP2B	X	-133.779	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-77.238	4.5
12	MP2B	Mx	.103	4.5
13	MP2C	X	-99.343	.5
14	MP2C	Z	-57.356	.5
15	MP2C	Mx	-.088	.5
16	MP2C	X	-99.343	4.5
17	MP2C	Z	-57.356	4.5
18	MP2C	Mx	-.088	4.5
19	MP2A	X	-99.343	.5
20	MP2A	Z	-57.356	.5
21	MP2A	Mx	.088	.5
22	MP2A	X	-99.343	4.5
23	MP2A	Z	-57.356	4.5
24	MP2A	Mx	.088	4.5
25	MP2B	X	-133.779	.5
26	MP2B	Z	-77.238	.5
27	MP2B	Mx	-.103	.5
28	MP2B	X	-133.779	4.5
29	MP2B	Z	-77.238	4.5
30	MP2B	Mx	-.103	4.5
31	MP2C	X	-99.343	.5
32	MP2C	Z	-57.356	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	-99.343	4.5
35	MP2C	Z	-57.356	4.5
36	MP2C	Mx	-.011	4.5
37	MP3A	X	-37.52	1
38	MP3A	Z	-21.662	1
39	MP3A	Mx	.019	1
40	MP3A	X	-37.52	3
41	MP3A	Z	-21.662	3
42	MP3A	Mx	.019	3
43	MP3B	X	-69.019	1
44	MP3B	Z	-39.848	1
45	MP3B	Mx	0	1
46	MP3B	X	-69.019	3
47	MP3B	Z	-39.848	3
48	MP3B	Mx	0	3
49	MP3C	X	-37.52	1
50	MP3C	Z	-21.662	1
51	MP3C	Mx	-.019	1
52	MP3C	X	-37.52	3
53	MP3C	Z	-21.662	3
54	MP3C	Mx	-.019	3
55	MP2A	X	-8.356	4
56	MP2A	Z	-4.824	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-10.867	4
59	MP2B	Z	-6.274	4
60	MP2B	Mx	0	4
61	MP2C	X	-8.356	4
62	MP2C	Z	-4.824	4
63	MP2C	Mx	.004	4
64	OVP1	X	-112.174	1
65	OVP1	Z	-64.764	1
66	OVP1	Mx	0	1
67	MP2A	X	-41.265	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-23.824	2
69	MP2A	Mx	-.021	2
70	MP2B	X	-54.921	2
71	MP2B	Z	-31.709	2
72	MP2B	Mx	0	2
73	MP2C	X	-41.265	2
74	MP2C	Z	-23.824	2
75	MP2C	Mx	.021	2
76	MP1A	X	-36.033	2
77	MP1A	Z	-20.804	2
78	MP1A	Mx	-.018	2
79	MP1B	X	-54.921	2
80	MP1B	Z	-31.709	2
81	MP1B	Mx	0	2
82	MP1C	X	-36.033	2
83	MP1C	Z	-20.804	2
84	MP1C	Mx	.018	2
85	MP1A	X	-50.312	.5
86	MP1A	Z	-29.048	.5
87	MP1A	Mx	.038	.5
88	MP1A	X	-50.312	4
89	MP1A	Z	-29.048	4
90	MP1A	Mx	.038	4
91	MP1B	X	-41.999	.5
92	MP1B	Z	-24.248	.5
93	MP1B	Mx	0	.5
94	MP1B	X	-41.999	4
95	MP1B	Z	-24.248	4
96	MP1B	Mx	0	4
97	MP1C	X	-50.312	.5
98	MP1C	Z	-29.048	.5
99	MP1C	Mx	-.038	.5
100	MP1C	X	-50.312	4
101	MP1C	Z	-29.048	4
102	MP1C	Mx	-.038	4
103	MP4A	X	-50.312	.5
104	MP4A	Z	-29.048	.5
105	MP4A	Mx	.038	.5
106	MP4A	X	-50.312	4
107	MP4A	Z	-29.048	4
108	MP4A	Mx	.038	4
109	MP4B	X	-41.999	.5
110	MP4B	Z	-24.248	.5
111	MP4B	Mx	0	.5
112	MP4B	X	-41.999	4
113	MP4B	Z	-24.248	4
114	MP4B	Mx	0	4
115	MP4C	X	-50.312	.5
116	MP4C	Z	-29.048	.5
117	MP4C	Mx	-.038	.5
118	MP4C	X	-50.312	4
119	MP4C	Z	-29.048	4
120	MP4C	Mx	-.038	4
121	OVP2	X	-112.174	1
122	OVP2	Z	-64.764	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-70.61	.5
2	MP2A	Z	-122.301	.5
3	MP2A	Mx	-.046	.5
4	MP2A	X	-70.61	4.5
5	MP2A	Z	-122.301	4.5
6	MP2A	Mx	-.046	4.5
7	MP2B	X	-70.61	.5
8	MP2B	Z	-122.301	.5
9	MP2B	Mx	.117	.5
10	MP2B	X	-70.61	4.5
11	MP2B	Z	-122.301	4.5
12	MP2B	Mx	.117	4.5
13	MP2C	X	-50.729	.5
14	MP2C	Z	-87.865	.5
15	MP2C	Mx	-.051	.5
16	MP2C	X	-50.729	4.5
17	MP2C	Z	-87.865	4.5
18	MP2C	Mx	-.051	4.5
19	MP2A	X	-70.61	.5
20	MP2A	Z	-122.301	.5
21	MP2A	Mx	.117	.5
22	MP2A	X	-70.61	4.5
23	MP2A	Z	-122.301	4.5
24	MP2A	Mx	.117	4.5
25	MP2B	X	-70.61	.5
26	MP2B	Z	-122.301	.5
27	MP2B	Mx	-.046	.5
28	MP2B	X	-70.61	4.5
29	MP2B	Z	-122.301	4.5
30	MP2B	Mx	-.046	4.5
31	MP2C	X	-50.729	.5
32	MP2C	Z	-87.865	.5
33	MP2C	Mx	-.051	.5
34	MP2C	X	-50.729	4.5
35	MP2C	Z	-87.865	4.5
36	MP2C	Mx	-.051	4.5
37	MP3A	X	-33.786	1
38	MP3A	Z	-58.519	1
39	MP3A	Mx	.017	1
40	MP3A	X	-33.786	3
41	MP3A	Z	-58.519	3
42	MP3A	Mx	.017	3
43	MP3B	X	-33.786	1
44	MP3B	Z	-58.519	1
45	MP3B	Mx	.017	1
46	MP3B	X	-33.786	3
47	MP3B	Z	-58.519	3
48	MP3B	Mx	.017	3
49	MP3C	X	-15.6	1
50	MP3C	Z	-27.021	1
51	MP3C	Mx	-.016	1
52	MP3C	X	-15.6	3
53	MP3C	Z	-27.021	3
54	MP3C	Mx	-.016	3
55	MP2A	X	-5.791	4
56	MP2A	Z	-10.03	4
57	MP2A	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-5.791	4
59	MP2B	Z	-10.03	4
60	MP2B	Mx	-.003	4
61	MP2C	X	-4.341	4
62	MP2C	Z	-7.519	4
63	MP2C	Mx	.004	4
64	OVP1	X	-68.844	1
65	OVP1	Z	-119.241	1
66	OVP1	Mx	0	1
67	MP2A	X	-29.081	2
68	MP2A	Z	-50.369	2
69	MP2A	Mx	-.015	2
70	MP2B	X	-29.081	2
71	MP2B	Z	-50.369	2
72	MP2B	Mx	-.015	2
73	MP2C	X	-21.196	2
74	MP2C	Z	-36.712	2
75	MP2C	Mx	.021	2
76	MP1A	X	-28.074	2
77	MP1A	Z	-48.625	2
78	MP1A	Mx	-.014	2
79	MP1B	X	-28.074	2
80	MP1B	Z	-48.625	2
81	MP1B	Mx	-.014	2
82	MP1C	X	-17.169	2
83	MP1C	Z	-29.737	2
84	MP1C	Mx	.017	2
85	MP1A	X	-25.848	.5
86	MP1A	Z	-44.77	.5
87	MP1A	Mx	.019	.5
88	MP1A	X	-25.848	4
89	MP1A	Z	-44.77	4
90	MP1A	Mx	.019	4
91	MP1B	X	-25.848	.5
92	MP1B	Z	-44.77	.5
93	MP1B	Mx	.019	.5
94	MP1B	X	-25.848	4
95	MP1B	Z	-44.77	4
96	MP1B	Mx	.019	4
97	MP1C	X	-30.648	.5
98	MP1C	Z	-53.083	.5
99	MP1C	Mx	-.046	.5
100	MP1C	X	-30.648	4
101	MP1C	Z	-53.083	4
102	MP1C	Mx	-.046	4
103	MP4A	X	-25.848	.5
104	MP4A	Z	-44.77	.5
105	MP4A	Mx	.019	.5
106	MP4A	X	-25.848	4
107	MP4A	Z	-44.77	4
108	MP4A	Mx	.019	4
109	MP4B	X	-25.848	.5
110	MP4B	Z	-44.77	.5
111	MP4B	Mx	.019	.5
112	MP4B	X	-25.848	4
113	MP4B	Z	-44.77	4
114	MP4B	Mx	.019	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	-30.648	.5
116	MP4C	Z	-53.083	.5
117	MP4C	Mx	-.046	.5
118	MP4C	X	-30.648	4
119	MP4C	Z	-53.083	4
120	MP4C	Mx	-.046	4
121	OVP2	X	-68.844	1
122	OVP2	Z	-119.241	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-29.393	.5
3	MP2A	Mx	-.02	.5
4	MP2A	X	0	4.5
5	MP2A	Z	-29.393	4.5
6	MP2A	Mx	-.02	4.5
7	MP2B	X	0	.5
8	MP2B	Z	-22.388	.5
9	MP2B	Mx	.017	.5
10	MP2B	X	0	4.5
11	MP2B	Z	-22.388	4.5
12	MP2B	Mx	.017	4.5
13	MP2C	X	0	.5
14	MP2C	Z	-22.388	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	0	4.5
17	MP2C	Z	-22.388	4.5
18	MP2C	Mx	-.002	4.5
19	MP2A	X	0	.5
20	MP2A	Z	-29.393	.5
21	MP2A	Mx	.02	.5
22	MP2A	X	0	4.5
23	MP2A	Z	-29.393	4.5
24	MP2A	Mx	.02	4.5
25	MP2B	X	0	.5
26	MP2B	Z	-22.388	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	0	4.5
29	MP2B	Z	-22.388	4.5
30	MP2B	Mx	.002	4.5
31	MP2C	X	0	.5
32	MP2C	Z	-22.388	.5
33	MP2C	Mx	-.017	.5
34	MP2C	X	0	4.5
35	MP2C	Z	-22.388	4.5
36	MP2C	Mx	-.017	4.5
37	MP3A	X	0	1
38	MP3A	Z	-15.634	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-15.634	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-8.904	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.004	1
46	MP3B	X	0	3
47	MP3B	Z	-8.904	3
48	MP3B	Mx	.004	3
49	MP3C	X	0	1
50	MP3C	Z	-8.904	1
51	MP3C	Mx	-.004	1
52	MP3C	X	0	3
53	MP3C	Z	-8.904	3
54	MP3C	Mx	-.004	3
55	MP2A	X	0	4
56	MP2A	Z	-3.2	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	-2.601	4
60	MP2B	Mx	-.001	4
61	MP2C	X	0	4
62	MP2C	Z	-2.601	4
63	MP2C	Mx	.001	4
64	OVP1	X	0	1
65	OVP1	Z	-25.604	1
66	OVP1	Mx	0	1
67	MP2A	X	0	2
68	MP2A	Z	-13.178	2
69	MP2A	Mx	0	2
70	MP2B	X	0	2
71	MP2B	Z	-10.17	2
72	MP2B	Mx	-.004	2
73	MP2C	X	0	2
74	MP2C	Z	-10.17	2
75	MP2C	Mx	.004	2
76	MP1A	X	0	2
77	MP1A	Z	-13.178	2
78	MP1A	Mx	0	2
79	MP1B	X	0	2
80	MP1B	Z	-9.027	2
81	MP1B	Mx	-.004	2
82	MP1C	X	0	2
83	MP1C	Z	-9.027	2
84	MP1C	Mx	.004	2
85	MP1A	X	0	.5
86	MP1A	Z	-10.069	.5
87	MP1A	Mx	0	.5
88	MP1A	X	0	4
89	MP1A	Z	-10.069	4
90	MP1A	Mx	0	4
91	MP1B	X	0	.5
92	MP1B	Z	-11.762	.5
93	MP1B	Mx	.008	.5
94	MP1B	X	0	4
95	MP1B	Z	-11.762	4
96	MP1B	Mx	.008	4
97	MP1C	X	0	.5
98	MP1C	Z	-11.762	.5
99	MP1C	Mx	-.008	.5
100	MP1C	X	0	4
101	MP1C	Z	-11.762	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	-.008	4
103	MP4A	X	0	.5
104	MP4A	Z	-10.069	.5
105	MP4A	Mx	0	.5
106	MP4A	X	0	4
107	MP4A	Z	-10.069	4
108	MP4A	Mx	0	4
109	MP4B	X	0	.5
110	MP4B	Z	-11.762	.5
111	MP4B	Mx	.008	.5
112	MP4B	X	0	4
113	MP4B	Z	-11.762	4
114	MP4B	Mx	.008	4
115	MP4C	X	0	.5
116	MP4C	Z	-11.762	.5
117	MP4C	Mx	-.008	.5
118	MP4C	X	0	4
119	MP4C	Z	-11.762	4
120	MP4C	Mx	-.008	4
121	OVP2	X	0	1
122	OVP2	Z	-25.604	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	13.529	.5
2	MP2A	Z	-23.433	.5
3	MP2A	Mx	-.022	.5
4	MP2A	X	13.529	4.5
5	MP2A	Z	-23.433	4.5
6	MP2A	Mx	-.022	4.5
7	MP2B	X	10.026	.5
8	MP2B	Z	-17.366	.5
9	MP2B	Mx	.01	.5
10	MP2B	X	10.026	4.5
11	MP2B	Z	-17.366	4.5
12	MP2B	Mx	.01	4.5
13	MP2C	X	13.529	.5
14	MP2C	Z	-23.433	.5
15	MP2C	Mx	.009	.5
16	MP2C	X	13.529	4.5
17	MP2C	Z	-23.433	4.5
18	MP2C	Mx	.009	4.5
19	MP2A	X	13.529	.5
20	MP2A	Z	-23.433	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	13.529	4.5
23	MP2A	Z	-23.433	4.5
24	MP2A	Mx	.009	4.5
25	MP2B	X	10.026	.5
26	MP2B	Z	-17.366	.5
27	MP2B	Mx	.01	.5
28	MP2B	X	10.026	4.5
29	MP2B	Z	-17.366	4.5
30	MP2B	Mx	.01	4.5
31	MP2C	X	13.529	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	-23.433	.5
33	MP2C	Mx	-.022	.5
34	MP2C	X	13.529	4.5
35	MP2C	Z	-23.433	4.5
36	MP2C	Mx	-.022	4.5
37	MP3A	X	6.695	1
38	MP3A	Z	-11.597	1
39	MP3A	Mx	-.003	1
40	MP3A	X	6.695	3
41	MP3A	Z	-11.597	3
42	MP3A	Mx	-.003	3
43	MP3B	X	3.33	1
44	MP3B	Z	-5.768	1
45	MP3B	Mx	.003	1
46	MP3B	X	3.33	3
47	MP3B	Z	-5.768	3
48	MP3B	Mx	.003	3
49	MP3C	X	6.695	1
50	MP3C	Z	-11.597	1
51	MP3C	Mx	-.003	1
52	MP3C	X	6.695	3
53	MP3C	Z	-11.597	3
54	MP3C	Mx	-.003	3
55	MP2A	X	1.5	4
56	MP2A	Z	-2.598	4
57	MP2A	Mx	.00075	4
58	MP2B	X	1.201	4
59	MP2B	Z	-2.08	4
60	MP2B	Mx	-.001	4
61	MP2C	X	1.5	4
62	MP2C	Z	-2.598	4
63	MP2C	Mx	.00075	4
64	OVP1	X	11.326	1
65	OVP1	Z	-19.618	1
66	OVP1	Mx	0	1
67	MP2A	X	6.088	2
68	MP2A	Z	-10.544	2
69	MP2A	Mx	.003	2
70	MP2B	X	4.584	2
71	MP2B	Z	-7.939	2
72	MP2B	Mx	-.005	2
73	MP2C	X	6.088	2
74	MP2C	Z	-10.544	2
75	MP2C	Mx	.003	2
76	MP1A	X	5.897	2
77	MP1A	Z	-10.214	2
78	MP1A	Mx	.003	2
79	MP1B	X	3.822	2
80	MP1B	Z	-6.619	2
81	MP1B	Mx	-.004	2
82	MP1C	X	5.897	2
83	MP1C	Z	-10.214	2
84	MP1C	Mx	.003	2
85	MP1A	X	5.316	.5
86	MP1A	Z	-9.208	.5
87	MP1A	Mx	-.004	.5
88	MP1A	X	5.316	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	-9.208	4
90	MP1A	Mx	-.004	4
91	MP1B	X	6.163	.5
92	MP1B	Z	-10.675	.5
93	MP1B	Mx	.009	.5
94	MP1B	X	6.163	4
95	MP1B	Z	-10.675	4
96	MP1B	Mx	.009	4
97	MP1C	X	5.316	.5
98	MP1C	Z	-9.208	.5
99	MP1C	Mx	-.004	.5
100	MP1C	X	5.316	4
101	MP1C	Z	-9.208	4
102	MP1C	Mx	-.004	4
103	MP4A	X	5.316	.5
104	MP4A	Z	-9.208	.5
105	MP4A	Mx	-.004	.5
106	MP4A	X	5.316	4
107	MP4A	Z	-9.208	4
108	MP4A	Mx	-.004	4
109	MP4B	X	6.163	.5
110	MP4B	Z	-10.675	.5
111	MP4B	Mx	.009	.5
112	MP4B	X	6.163	4
113	MP4B	Z	-10.675	4
114	MP4B	Mx	.009	4
115	MP4C	X	5.316	.5
116	MP4C	Z	-9.208	.5
117	MP4C	Mx	-.004	.5
118	MP4C	X	5.316	4
119	MP4C	Z	-9.208	4
120	MP4C	Mx	-.004	4
121	OVP2	X	11.326	1
122	OVP2	Z	-19.618	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	19.388	.5
2	MP2A	Z	-11.194	.5
3	MP2A	Mx	-.017	.5
4	MP2A	X	19.388	4.5
5	MP2A	Z	-11.194	4.5
6	MP2A	Mx	-.017	4.5
7	MP2B	X	19.388	.5
8	MP2B	Z	-11.194	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	19.388	4.5
11	MP2B	Z	-11.194	4.5
12	MP2B	Mx	.002	4.5
13	MP2C	X	25.456	.5
14	MP2C	Z	-14.697	.5
15	MP2C	Mx	.02	.5
16	MP2C	X	25.456	4.5
17	MP2C	Z	-14.697	4.5
18	MP2C	Mx	.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	19.388	.5
20	MP2A	Z	-11.194	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	19.388	4.5
23	MP2A	Z	-11.194	4.5
24	MP2A	Mx	-.002	4.5
25	MP2B	X	19.388	.5
26	MP2B	Z	-11.194	.5
27	MP2B	Mx	.017	.5
28	MP2B	X	19.388	4.5
29	MP2B	Z	-11.194	4.5
30	MP2B	Mx	.017	4.5
31	MP2C	X	25.456	.5
32	MP2C	Z	-14.697	.5
33	MP2C	Mx	-.02	.5
34	MP2C	X	25.456	4.5
35	MP2C	Z	-14.697	4.5
36	MP2C	Mx	-.02	4.5
37	MP3A	X	7.711	1
38	MP3A	Z	-4.452	1
39	MP3A	Mx	-.004	1
40	MP3A	X	7.711	3
41	MP3A	Z	-4.452	3
42	MP3A	Mx	-.004	3
43	MP3B	X	7.711	1
44	MP3B	Z	-4.452	1
45	MP3B	Mx	.004	1
46	MP3B	X	7.711	3
47	MP3B	Z	-4.452	3
48	MP3B	Mx	.004	3
49	MP3C	X	13.54	1
50	MP3C	Z	-7.817	1
51	MP3C	Mx	0	1
52	MP3C	X	13.54	3
53	MP3C	Z	-7.817	3
54	MP3C	Mx	0	3
55	MP2A	X	2.253	4
56	MP2A	Z	-1.301	4
57	MP2A	Mx	.001	4
58	MP2B	X	2.253	4
59	MP2B	Z	-1.301	4
60	MP2B	Mx	-.001	4
61	MP2C	X	2.771	4
62	MP2C	Z	-1.6	4
63	MP2C	Mx	0	4
64	OVP1	X	18.34	1
65	OVP1	Z	-10.588	1
66	OVP1	Mx	0	1
67	MP2A	X	8.808	2
68	MP2A	Z	-5.085	2
69	MP2A	Mx	.004	2
70	MP2B	X	8.808	2
71	MP2B	Z	-5.085	2
72	MP2B	Mx	-.004	2
73	MP2C	X	11.413	2
74	MP2C	Z	-6.589	2
75	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	7.818	2
77	MP1A	Z	-4.514	2
78	MP1A	Mx	.004	2
79	MP1B	X	7.818	2
80	MP1B	Z	-4.514	2
81	MP1B	Mx	-.004	2
82	MP1C	X	11.413	2
83	MP1C	Z	-6.589	2
84	MP1C	Mx	0	2
85	MP1A	X	10.186	.5
86	MP1A	Z	-5.881	.5
87	MP1A	Mx	-.008	.5
88	MP1A	X	10.186	4
89	MP1A	Z	-5.881	4
90	MP1A	Mx	-.008	4
91	MP1B	X	10.186	.5
92	MP1B	Z	-5.881	.5
93	MP1B	Mx	.008	.5
94	MP1B	X	10.186	4
95	MP1B	Z	-5.881	4
96	MP1B	Mx	.008	4
97	MP1C	X	8.72	.5
98	MP1C	Z	-5.034	.5
99	MP1C	Mx	0	.5
100	MP1C	X	8.72	4
101	MP1C	Z	-5.034	4
102	MP1C	Mx	0	4
103	MP4A	X	10.186	.5
104	MP4A	Z	-5.881	.5
105	MP4A	Mx	-.008	.5
106	MP4A	X	10.186	4
107	MP4A	Z	-5.881	4
108	MP4A	Mx	-.008	4
109	MP4B	X	10.186	.5
110	MP4B	Z	-5.881	.5
111	MP4B	Mx	.008	.5
112	MP4B	X	10.186	4
113	MP4B	Z	-5.881	4
114	MP4B	Mx	.008	4
115	MP4C	X	8.72	.5
116	MP4C	Z	-5.034	.5
117	MP4C	Mx	0	.5
118	MP4C	X	8.72	4
119	MP4C	Z	-5.034	4
120	MP4C	Mx	0	4
121	OVP2	X	18.34	1
122	OVP2	Z	-10.588	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	20.052	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.01	.5
4	MP2A	X	20.052	4.5
5	MP2A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.01	4.5
7	MP2B	X	27.058	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.009	.5
10	MP2B	X	27.058	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	-.009	4.5
13	MP2C	X	27.058	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.022	.5
16	MP2C	X	27.058	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	.022	4.5
19	MP2A	X	20.052	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.01	.5
22	MP2A	X	20.052	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	-.01	4.5
25	MP2B	X	27.058	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.022	.5
28	MP2B	X	27.058	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	.022	4.5
31	MP2C	X	27.058	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.009	.5
34	MP2C	X	27.058	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	-.009	4.5
37	MP3A	X	6.661	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.003	1
40	MP3A	X	6.661	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.003	3
43	MP3B	X	13.391	1
44	MP3B	Z	0	1
45	MP3B	Mx	.003	1
46	MP3B	X	13.391	3
47	MP3B	Z	0	3
48	MP3B	Mx	.003	3
49	MP3C	X	13.391	1
50	MP3C	Z	0	1
51	MP3C	Mx	.003	1
52	MP3C	X	13.391	3
53	MP3C	Z	0	3
54	MP3C	Mx	.003	3
55	MP2A	X	2.402	4
56	MP2A	Z	0	4
57	MP2A	Mx	.001	4
58	MP2B	X	3	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.00075	4
61	MP2C	X	3	4
62	MP2C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.00075	4
64	OVP1	X	22.653	1
65	OVP1	Z	0	1
66	OVP1	Mx	0	1
67	MP2A	X	9.167	2
68	MP2A	Z	0	2
69	MP2A	Mx	.005	2
70	MP2B	X	12.176	2
71	MP2B	Z	0	2
72	MP2B	Mx	-.003	2
73	MP2C	X	12.176	2
74	MP2C	Z	0	2
75	MP2C	Mx	-.003	2
76	MP1A	X	7.643	2
77	MP1A	Z	0	2
78	MP1A	Mx	.004	2
79	MP1B	X	11.794	2
80	MP1B	Z	0	2
81	MP1B	Mx	-.003	2
82	MP1C	X	11.794	2
83	MP1C	Z	0	2
84	MP1C	Mx	-.003	2
85	MP1A	X	12.326	.5
86	MP1A	Z	0	.5
87	MP1A	Mx	-.009	.5
88	MP1A	X	12.326	4
89	MP1A	Z	0	4
90	MP1A	Mx	-.009	4
91	MP1B	X	10.633	.5
92	MP1B	Z	0	.5
93	MP1B	Mx	.004	.5
94	MP1B	X	10.633	4
95	MP1B	Z	0	4
96	MP1B	Mx	.004	4
97	MP1C	X	10.633	.5
98	MP1C	Z	0	.5
99	MP1C	Mx	.004	.5
100	MP1C	X	10.633	4
101	MP1C	Z	0	4
102	MP1C	Mx	.004	4
103	MP4A	X	12.326	.5
104	MP4A	Z	0	.5
105	MP4A	Mx	-.009	.5
106	MP4A	X	12.326	4
107	MP4A	Z	0	4
108	MP4A	Mx	-.009	4
109	MP4B	X	10.633	.5
110	MP4B	Z	0	.5
111	MP4B	Mx	.004	.5
112	MP4B	X	10.633	4
113	MP4B	Z	0	4
114	MP4B	Mx	.004	4
115	MP4C	X	10.633	.5
116	MP4C	Z	0	.5
117	MP4C	Mx	.004	.5
118	MP4C	X	10.633	4
119	MP4C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mx	.004	4
121	OVP2	X	22.653	1
122	OVP2	Z	0	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	19.388	.5
2	MP2A	Z	11.194	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	19.388	4.5
5	MP2A	Z	11.194	4.5
6	MP2A	Mx	-.002	4.5
7	MP2B	X	25.456	.5
8	MP2B	Z	14.697	.5
9	MP2B	Mx	-.02	.5
10	MP2B	X	25.456	4.5
11	MP2B	Z	14.697	4.5
12	MP2B	Mx	-.02	4.5
13	MP2C	X	19.388	.5
14	MP2C	Z	11.194	.5
15	MP2C	Mx	.017	.5
16	MP2C	X	19.388	4.5
17	MP2C	Z	11.194	4.5
18	MP2C	Mx	.017	4.5
19	MP2A	X	19.388	.5
20	MP2A	Z	11.194	.5
21	MP2A	Mx	-.017	.5
22	MP2A	X	19.388	4.5
23	MP2A	Z	11.194	4.5
24	MP2A	Mx	-.017	4.5
25	MP2B	X	25.456	.5
26	MP2B	Z	14.697	.5
27	MP2B	Mx	.02	.5
28	MP2B	X	25.456	4.5
29	MP2B	Z	14.697	4.5
30	MP2B	Mx	.02	4.5
31	MP2C	X	19.388	.5
32	MP2C	Z	11.194	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	19.388	4.5
35	MP2C	Z	11.194	4.5
36	MP2C	Mx	.002	4.5
37	MP3A	X	7.711	1
38	MP3A	Z	4.452	1
39	MP3A	Mx	-.004	1
40	MP3A	X	7.711	3
41	MP3A	Z	4.452	3
42	MP3A	Mx	-.004	3
43	MP3B	X	13.54	1
44	MP3B	Z	7.817	1
45	MP3B	Mx	0	1
46	MP3B	X	13.54	3
47	MP3B	Z	7.817	3
48	MP3B	Mx	0	3
49	MP3C	X	7.711	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	4.452	1
51	MP3C	Mx	.004	1
52	MP3C	X	7.711	3
53	MP3C	Z	4.452	3
54	MP3C	Mx	.004	3
55	MP2A	X	2.253	4
56	MP2A	Z	1.301	4
57	MP2A	Mx	.001	4
58	MP2B	X	2.771	4
59	MP2B	Z	1.6	4
60	MP2B	Mx	0	4
61	MP2C	X	2.253	4
62	MP2C	Z	1.301	4
63	MP2C	Mx	-.001	4
64	OVP1	X	22.174	1
65	OVP1	Z	12.802	1
66	OVP1	Mx	0	1
67	MP2A	X	8.808	2
68	MP2A	Z	5.085	2
69	MP2A	Mx	.004	2
70	MP2B	X	11.413	2
71	MP2B	Z	6.589	2
72	MP2B	Mx	0	2
73	MP2C	X	8.808	2
74	MP2C	Z	5.085	2
75	MP2C	Mx	-.004	2
76	MP1A	X	7.818	2
77	MP1A	Z	4.514	2
78	MP1A	Mx	.004	2
79	MP1B	X	11.413	2
80	MP1B	Z	6.589	2
81	MP1B	Mx	0	2
82	MP1C	X	7.818	2
83	MP1C	Z	4.514	2
84	MP1C	Mx	-.004	2
85	MP1A	X	10.186	.5
86	MP1A	Z	5.881	.5
87	MP1A	Mx	-.008	.5
88	MP1A	X	10.186	4
89	MP1A	Z	5.881	4
90	MP1A	Mx	-.008	4
91	MP1B	X	8.72	.5
92	MP1B	Z	5.034	.5
93	MP1B	Mx	0	.5
94	MP1B	X	8.72	4
95	MP1B	Z	5.034	4
96	MP1B	Mx	0	4
97	MP1C	X	10.186	.5
98	MP1C	Z	5.881	.5
99	MP1C	Mx	.008	.5
100	MP1C	X	10.186	4
101	MP1C	Z	5.881	4
102	MP1C	Mx	.008	4
103	MP4A	X	10.186	.5
104	MP4A	Z	5.881	.5
105	MP4A	Mx	-.008	.5
106	MP4A	X	10.186	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4A	Z	5.881	4
108	MP4A	Mx	-.008	4
109	MP4B	X	8.72	.5
110	MP4B	Z	5.034	.5
111	MP4B	Mx	0	.5
112	MP4B	X	8.72	4
113	MP4B	Z	5.034	4
114	MP4B	Mx	0	4
115	MP4C	X	10.186	.5
116	MP4C	Z	5.881	.5
117	MP4C	Mx	.008	.5
118	MP4C	X	10.186	4
119	MP4C	Z	5.881	4
120	MP4C	Mx	.008	4
121	OVP2	X	22.174	1
122	OVP2	Z	12.802	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	13.529	.5
2	MP2A	Z	23.433	.5
3	MP2A	Mx	.009	.5
4	MP2A	X	13.529	4.5
5	MP2A	Z	23.433	4.5
6	MP2A	Mx	.009	4.5
7	MP2B	X	13.529	.5
8	MP2B	Z	23.433	.5
9	MP2B	Mx	-.022	.5
10	MP2B	X	13.529	4.5
11	MP2B	Z	23.433	4.5
12	MP2B	Mx	-.022	4.5
13	MP2C	X	10.026	.5
14	MP2C	Z	17.366	.5
15	MP2C	Mx	.01	.5
16	MP2C	X	10.026	4.5
17	MP2C	Z	17.366	4.5
18	MP2C	Mx	.01	4.5
19	MP2A	X	13.529	.5
20	MP2A	Z	23.433	.5
21	MP2A	Mx	-.022	.5
22	MP2A	X	13.529	4.5
23	MP2A	Z	23.433	4.5
24	MP2A	Mx	-.022	4.5
25	MP2B	X	13.529	.5
26	MP2B	Z	23.433	.5
27	MP2B	Mx	.009	.5
28	MP2B	X	13.529	4.5
29	MP2B	Z	23.433	4.5
30	MP2B	Mx	.009	4.5
31	MP2C	X	10.026	.5
32	MP2C	Z	17.366	.5
33	MP2C	Mx	.01	.5
34	MP2C	X	10.026	4.5
35	MP2C	Z	17.366	4.5
36	MP2C	Mx	.01	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	6.695	1
38	MP3A	Z	11.597	1
39	MP3A	Mx	-.003	1
40	MP3A	X	6.695	3
41	MP3A	Z	11.597	3
42	MP3A	Mx	-.003	3
43	MP3B	X	6.695	1
44	MP3B	Z	11.597	1
45	MP3B	Mx	-.003	1
46	MP3B	X	6.695	3
47	MP3B	Z	11.597	3
48	MP3B	Mx	-.003	3
49	MP3C	X	3.33	1
50	MP3C	Z	5.768	1
51	MP3C	Mx	.003	1
52	MP3C	X	3.33	3
53	MP3C	Z	5.768	3
54	MP3C	Mx	.003	3
55	MP2A	X	1.5	4
56	MP2A	Z	2.598	4
57	MP2A	Mx	.00075	4
58	MP2B	X	1.5	4
59	MP2B	Z	2.598	4
60	MP2B	Mx	.00075	4
61	MP2C	X	1.201	4
62	MP2C	Z	2.08	4
63	MP2C	Mx	-.001	4
64	OVP1	X	13.54	1
65	OVP1	Z	23.452	1
66	OVP1	Mx	0	1
67	MP2A	X	6.088	2
68	MP2A	Z	10.544	2
69	MP2A	Mx	.003	2
70	MP2B	X	6.088	2
71	MP2B	Z	10.544	2
72	MP2B	Mx	.003	2
73	MP2C	X	4.584	2
74	MP2C	Z	7.939	2
75	MP2C	Mx	-.005	2
76	MP1A	X	5.897	2
77	MP1A	Z	10.214	2
78	MP1A	Mx	.003	2
79	MP1B	X	5.897	2
80	MP1B	Z	10.214	2
81	MP1B	Mx	.003	2
82	MP1C	X	3.822	2
83	MP1C	Z	6.619	2
84	MP1C	Mx	-.004	2
85	MP1A	X	5.316	.5
86	MP1A	Z	9.208	.5
87	MP1A	Mx	-.004	.5
88	MP1A	X	5.316	4
89	MP1A	Z	9.208	4
90	MP1A	Mx	-.004	4
91	MP1B	X	5.316	.5
92	MP1B	Z	9.208	.5
93	MP1B	Mx	-.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1B	X	5.316	4
95	MP1B	Z	9.208	4
96	MP1B	Mx	-.004	4
97	MP1C	X	6.163	.5
98	MP1C	Z	10.675	.5
99	MP1C	Mx	.009	.5
100	MP1C	X	6.163	4
101	MP1C	Z	10.675	4
102	MP1C	Mx	.009	4
103	MP4A	X	5.316	.5
104	MP4A	Z	9.208	.5
105	MP4A	Mx	-.004	.5
106	MP4A	X	5.316	4
107	MP4A	Z	9.208	4
108	MP4A	Mx	-.004	4
109	MP4B	X	5.316	.5
110	MP4B	Z	9.208	.5
111	MP4B	Mx	-.004	.5
112	MP4B	X	5.316	4
113	MP4B	Z	9.208	4
114	MP4B	Mx	-.004	4
115	MP4C	X	6.163	.5
116	MP4C	Z	10.675	.5
117	MP4C	Mx	.009	.5
118	MP4C	X	6.163	4
119	MP4C	Z	10.675	4
120	MP4C	Mx	.009	4
121	OVP2	X	13.54	1
122	OVP2	Z	23.452	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	29.393	.5
3	MP2A	Mx	.02	.5
4	MP2A	X	0	4.5
5	MP2A	Z	29.393	4.5
6	MP2A	Mx	.02	4.5
7	MP2B	X	0	.5
8	MP2B	Z	22.388	.5
9	MP2B	Mx	-.017	.5
10	MP2B	X	0	4.5
11	MP2B	Z	22.388	4.5
12	MP2B	Mx	-.017	4.5
13	MP2C	X	0	.5
14	MP2C	Z	22.388	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	0	4.5
17	MP2C	Z	22.388	4.5
18	MP2C	Mx	.002	4.5
19	MP2A	X	0	.5
20	MP2A	Z	29.393	.5
21	MP2A	Mx	-.02	.5
22	MP2A	X	0	4.5
23	MP2A	Z	29.393	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.02	4.5
25	MP2B	X	0	.5
26	MP2B	Z	22.388	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	0	4.5
29	MP2B	Z	22.388	4.5
30	MP2B	Mx	-.002	4.5
31	MP2C	X	0	.5
32	MP2C	Z	22.388	.5
33	MP2C	Mx	.017	.5
34	MP2C	X	0	4.5
35	MP2C	Z	22.388	4.5
36	MP2C	Mx	.017	4.5
37	MP3A	X	0	1
38	MP3A	Z	15.634	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	15.634	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	8.904	1
45	MP3B	Mx	-.004	1
46	MP3B	X	0	3
47	MP3B	Z	8.904	3
48	MP3B	Mx	-.004	3
49	MP3C	X	0	1
50	MP3C	Z	8.904	1
51	MP3C	Mx	.004	1
52	MP3C	X	0	3
53	MP3C	Z	8.904	3
54	MP3C	Mx	.004	3
55	MP2A	X	0	4
56	MP2A	Z	3.2	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	2.601	4
60	MP2B	Mx	.001	4
61	MP2C	X	0	4
62	MP2C	Z	2.601	4
63	MP2C	Mx	-.001	4
64	OVP1	X	0	1
65	OVP1	Z	25.604	1
66	OVP1	Mx	0	1
67	MP2A	X	0	2
68	MP2A	Z	13.178	2
69	MP2A	Mx	0	2
70	MP2B	X	0	2
71	MP2B	Z	10.17	2
72	MP2B	Mx	.004	2
73	MP2C	X	0	2
74	MP2C	Z	10.17	2
75	MP2C	Mx	-.004	2
76	MP1A	X	0	2
77	MP1A	Z	13.178	2
78	MP1A	Mx	0	2
79	MP1B	X	0	2
80	MP1B	Z	9.027	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	.004	2
82	MP1C	X	0	2
83	MP1C	Z	9.027	2
84	MP1C	Mx	-.004	2
85	MP1A	X	0	.5
86	MP1A	Z	10.069	.5
87	MP1A	Mx	0	.5
88	MP1A	X	0	4
89	MP1A	Z	10.069	4
90	MP1A	Mx	0	4
91	MP1B	X	0	.5
92	MP1B	Z	11.762	.5
93	MP1B	Mx	-.008	.5
94	MP1B	X	0	4
95	MP1B	Z	11.762	4
96	MP1B	Mx	-.008	4
97	MP1C	X	0	.5
98	MP1C	Z	11.762	.5
99	MP1C	Mx	.008	.5
100	MP1C	X	0	4
101	MP1C	Z	11.762	4
102	MP1C	Mx	.008	4
103	MP4A	X	0	.5
104	MP4A	Z	10.069	.5
105	MP4A	Mx	0	.5
106	MP4A	X	0	4
107	MP4A	Z	10.069	4
108	MP4A	Mx	0	4
109	MP4B	X	0	.5
110	MP4B	Z	11.762	.5
111	MP4B	Mx	-.008	.5
112	MP4B	X	0	4
113	MP4B	Z	11.762	4
114	MP4B	Mx	-.008	4
115	MP4C	X	0	.5
116	MP4C	Z	11.762	.5
117	MP4C	Mx	.008	.5
118	MP4C	X	0	4
119	MP4C	Z	11.762	4
120	MP4C	Mx	.008	4
121	OVP2	X	0	1
122	OVP2	Z	25.604	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-13.529	.5
2	MP2A	Z	23.433	.5
3	MP2A	Mx	.022	.5
4	MP2A	X	-13.529	4.5
5	MP2A	Z	23.433	4.5
6	MP2A	Mx	.022	4.5
7	MP2B	X	-10.026	.5
8	MP2B	Z	17.366	.5
9	MP2B	Mx	-.01	.5
10	MP2B	X	-10.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	17.366	4.5
12	MP2B	Mx	-.01	4.5
13	MP2C	X	-13.529	.5
14	MP2C	Z	23.433	.5
15	MP2C	Mx	-.009	.5
16	MP2C	X	-13.529	4.5
17	MP2C	Z	23.433	4.5
18	MP2C	Mx	-.009	4.5
19	MP2A	X	-13.529	.5
20	MP2A	Z	23.433	.5
21	MP2A	Mx	-.009	.5
22	MP2A	X	-13.529	4.5
23	MP2A	Z	23.433	4.5
24	MP2A	Mx	-.009	4.5
25	MP2B	X	-10.026	.5
26	MP2B	Z	17.366	.5
27	MP2B	Mx	-.01	.5
28	MP2B	X	-10.026	4.5
29	MP2B	Z	17.366	4.5
30	MP2B	Mx	-.01	4.5
31	MP2C	X	-13.529	.5
32	MP2C	Z	23.433	.5
33	MP2C	Mx	.022	.5
34	MP2C	X	-13.529	4.5
35	MP2C	Z	23.433	4.5
36	MP2C	Mx	.022	4.5
37	MP3A	X	-6.695	1
38	MP3A	Z	11.597	1
39	MP3A	Mx	.003	1
40	MP3A	X	-6.695	3
41	MP3A	Z	11.597	3
42	MP3A	Mx	.003	3
43	MP3B	X	-3.33	1
44	MP3B	Z	5.768	1
45	MP3B	Mx	-.003	1
46	MP3B	X	-3.33	3
47	MP3B	Z	5.768	3
48	MP3B	Mx	-.003	3
49	MP3C	X	-6.695	1
50	MP3C	Z	11.597	1
51	MP3C	Mx	.003	1
52	MP3C	X	-6.695	3
53	MP3C	Z	11.597	3
54	MP3C	Mx	.003	3
55	MP2A	X	-1.5	4
56	MP2A	Z	2.598	4
57	MP2A	Mx	-.00075	4
58	MP2B	X	-1.201	4
59	MP2B	Z	2.08	4
60	MP2B	Mx	.001	4
61	MP2C	X	-1.5	4
62	MP2C	Z	2.598	4
63	MP2C	Mx	-.00075	4
64	OVP1	X	-11.326	1
65	OVP1	Z	19.618	1
66	OVP1	Mx	0	1
67	MP2A	X	-6.088	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	10.544	2
69	MP2A	Mx	-.003	2
70	MP2B	X	-4.584	2
71	MP2B	Z	7.939	2
72	MP2B	Mx	.005	2
73	MP2C	X	-6.088	2
74	MP2C	Z	10.544	2
75	MP2C	Mx	-.003	2
76	MP1A	X	-5.897	2
77	MP1A	Z	10.214	2
78	MP1A	Mx	-.003	2
79	MP1B	X	-3.822	2
80	MP1B	Z	6.619	2
81	MP1B	Mx	.004	2
82	MP1C	X	-5.897	2
83	MP1C	Z	10.214	2
84	MP1C	Mx	-.003	2
85	MP1A	X	-5.316	.5
86	MP1A	Z	9.208	.5
87	MP1A	Mx	.004	.5
88	MP1A	X	-5.316	4
89	MP1A	Z	9.208	4
90	MP1A	Mx	.004	4
91	MP1B	X	-6.163	.5
92	MP1B	Z	10.675	.5
93	MP1B	Mx	-.009	.5
94	MP1B	X	-6.163	4
95	MP1B	Z	10.675	4
96	MP1B	Mx	-.009	4
97	MP1C	X	-5.316	.5
98	MP1C	Z	9.208	.5
99	MP1C	Mx	.004	.5
100	MP1C	X	-5.316	4
101	MP1C	Z	9.208	4
102	MP1C	Mx	.004	4
103	MP4A	X	-5.316	.5
104	MP4A	Z	9.208	.5
105	MP4A	Mx	.004	.5
106	MP4A	X	-5.316	4
107	MP4A	Z	9.208	4
108	MP4A	Mx	.004	4
109	MP4B	X	-6.163	.5
110	MP4B	Z	10.675	.5
111	MP4B	Mx	-.009	.5
112	MP4B	X	-6.163	4
113	MP4B	Z	10.675	4
114	MP4B	Mx	-.009	4
115	MP4C	X	-5.316	.5
116	MP4C	Z	9.208	.5
117	MP4C	Mx	.004	.5
118	MP4C	X	-5.316	4
119	MP4C	Z	9.208	4
120	MP4C	Mx	.004	4
121	OVP2	X	-11.326	1
122	OVP2	Z	19.618	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-19.388	.5
2	MP2A	Z	11.194	.5
3	MP2A	Mx	.017	.5
4	MP2A	X	-19.388	4.5
5	MP2A	Z	11.194	4.5
6	MP2A	Mx	.017	4.5
7	MP2B	X	-19.388	.5
8	MP2B	Z	11.194	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	-19.388	4.5
11	MP2B	Z	11.194	4.5
12	MP2B	Mx	-.002	4.5
13	MP2C	X	-25.456	.5
14	MP2C	Z	14.697	.5
15	MP2C	Mx	-.02	.5
16	MP2C	X	-25.456	4.5
17	MP2C	Z	14.697	4.5
18	MP2C	Mx	-.02	4.5
19	MP2A	X	-19.388	.5
20	MP2A	Z	11.194	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	-19.388	4.5
23	MP2A	Z	11.194	4.5
24	MP2A	Mx	.002	4.5
25	MP2B	X	-19.388	.5
26	MP2B	Z	11.194	.5
27	MP2B	Mx	-.017	.5
28	MP2B	X	-19.388	4.5
29	MP2B	Z	11.194	4.5
30	MP2B	Mx	-.017	4.5
31	MP2C	X	-25.456	.5
32	MP2C	Z	14.697	.5
33	MP2C	Mx	.02	.5
34	MP2C	X	-25.456	4.5
35	MP2C	Z	14.697	4.5
36	MP2C	Mx	.02	4.5
37	MP3A	X	-7.711	1
38	MP3A	Z	4.452	1
39	MP3A	Mx	.004	1
40	MP3A	X	-7.711	3
41	MP3A	Z	4.452	3
42	MP3A	Mx	.004	3
43	MP3B	X	-7.711	1
44	MP3B	Z	4.452	1
45	MP3B	Mx	-.004	1
46	MP3B	X	-7.711	3
47	MP3B	Z	4.452	3
48	MP3B	Mx	-.004	3
49	MP3C	X	-13.54	1
50	MP3C	Z	7.817	1
51	MP3C	Mx	0	1
52	MP3C	X	-13.54	3
53	MP3C	Z	7.817	3
54	MP3C	Mx	0	3
55	MP2A	X	-2.253	4
56	MP2A	Z	1.301	4
57	MP2A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-2.253	4
59	MP2B	Z	1.301	4
60	MP2B	Mx	.001	4
61	MP2C	X	-2.771	4
62	MP2C	Z	1.6	4
63	MP2C	Mx	0	4
64	OVP1	X	-18.34	1
65	OVP1	Z	10.588	1
66	OVP1	Mx	0	1
67	MP2A	X	-8.808	2
68	MP2A	Z	5.085	2
69	MP2A	Mx	-.004	2
70	MP2B	X	-8.808	2
71	MP2B	Z	5.085	2
72	MP2B	Mx	.004	2
73	MP2C	X	-11.413	2
74	MP2C	Z	6.589	2
75	MP2C	Mx	0	2
76	MP1A	X	-7.818	2
77	MP1A	Z	4.514	2
78	MP1A	Mx	-.004	2
79	MP1B	X	-7.818	2
80	MP1B	Z	4.514	2
81	MP1B	Mx	.004	2
82	MP1C	X	-11.413	2
83	MP1C	Z	6.589	2
84	MP1C	Mx	0	2
85	MP1A	X	-10.186	.5
86	MP1A	Z	5.881	.5
87	MP1A	Mx	.008	.5
88	MP1A	X	-10.186	4
89	MP1A	Z	5.881	4
90	MP1A	Mx	.008	4
91	MP1B	X	-10.186	.5
92	MP1B	Z	5.881	.5
93	MP1B	Mx	-.008	.5
94	MP1B	X	-10.186	4
95	MP1B	Z	5.881	4
96	MP1B	Mx	-.008	4
97	MP1C	X	-8.72	.5
98	MP1C	Z	5.034	.5
99	MP1C	Mx	0	.5
100	MP1C	X	-8.72	4
101	MP1C	Z	5.034	4
102	MP1C	Mx	0	4
103	MP4A	X	-10.186	.5
104	MP4A	Z	5.881	.5
105	MP4A	Mx	.008	.5
106	MP4A	X	-10.186	4
107	MP4A	Z	5.881	4
108	MP4A	Mx	.008	4
109	MP4B	X	-10.186	.5
110	MP4B	Z	5.881	.5
111	MP4B	Mx	-.008	.5
112	MP4B	X	-10.186	4
113	MP4B	Z	5.881	4
114	MP4B	Mx	-.008	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	-8.72	.5
116	MP4C	Z	5.034	.5
117	MP4C	Mx	0	.5
118	MP4C	X	-8.72	4
119	MP4C	Z	5.034	4
120	MP4C	Mx	0	4
121	OVP2	X	-18.34	1
122	OVP2	Z	10.588	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-20.052	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.01	.5
4	MP2A	X	-20.052	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	.01	4.5
7	MP2B	X	-27.058	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.009	.5
10	MP2B	X	-27.058	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	.009	4.5
13	MP2C	X	-27.058	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.022	.5
16	MP2C	X	-27.058	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	-.022	4.5
19	MP2A	X	-20.052	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.01	.5
22	MP2A	X	-20.052	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	.01	4.5
25	MP2B	X	-27.058	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.022	.5
28	MP2B	X	-27.058	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	-.022	4.5
31	MP2C	X	-27.058	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.009	.5
34	MP2C	X	-27.058	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	.009	4.5
37	MP3A	X	-6.661	1
38	MP3A	Z	0	1
39	MP3A	Mx	.003	1
40	MP3A	X	-6.661	3
41	MP3A	Z	0	3
42	MP3A	Mx	.003	3
43	MP3B	X	-13.391	1
44	MP3B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	-.003	1
46	MP3B	X	-13.391	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.003	3
49	MP3C	X	-13.391	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.003	1
52	MP3C	X	-13.391	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.003	3
55	MP2A	X	-2.402	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.001	4
58	MP2B	X	-3	4
59	MP2B	Z	0	4
60	MP2B	Mx	.00075	4
61	MP2C	X	-3	4
62	MP2C	Z	0	4
63	MP2C	Mx	.00075	4
64	OVP1	X	-22.653	1
65	OVP1	Z	0	1
66	OVP1	Mx	0	1
67	MP2A	X	-9.167	2
68	MP2A	Z	0	2
69	MP2A	Mx	-.005	2
70	MP2B	X	-12.176	2
71	MP2B	Z	0	2
72	MP2B	Mx	.003	2
73	MP2C	X	-12.176	2
74	MP2C	Z	0	2
75	MP2C	Mx	.003	2
76	MP1A	X	-7.643	2
77	MP1A	Z	0	2
78	MP1A	Mx	-.004	2
79	MP1B	X	-11.794	2
80	MP1B	Z	0	2
81	MP1B	Mx	.003	2
82	MP1C	X	-11.794	2
83	MP1C	Z	0	2
84	MP1C	Mx	.003	2
85	MP1A	X	-12.326	.5
86	MP1A	Z	0	.5
87	MP1A	Mx	.009	.5
88	MP1A	X	-12.326	4
89	MP1A	Z	0	4
90	MP1A	Mx	.009	4
91	MP1B	X	-10.633	.5
92	MP1B	Z	0	.5
93	MP1B	Mx	-.004	.5
94	MP1B	X	-10.633	4
95	MP1B	Z	0	4
96	MP1B	Mx	-.004	4
97	MP1C	X	-10.633	.5
98	MP1C	Z	0	.5
99	MP1C	Mx	-.004	.5
100	MP1C	X	-10.633	4
101	MP1C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	-.004	4
103	MP4A	X	-12.326	.5
104	MP4A	Z	0	.5
105	MP4A	Mx	.009	.5
106	MP4A	X	-12.326	4
107	MP4A	Z	0	4
108	MP4A	Mx	.009	4
109	MP4B	X	-10.633	.5
110	MP4B	Z	0	.5
111	MP4B	Mx	-.004	.5
112	MP4B	X	-10.633	4
113	MP4B	Z	0	4
114	MP4B	Mx	-.004	4
115	MP4C	X	-10.633	.5
116	MP4C	Z	0	.5
117	MP4C	Mx	-.004	.5
118	MP4C	X	-10.633	4
119	MP4C	Z	0	4
120	MP4C	Mx	-.004	4
121	OVP2	X	-22.653	1
122	OVP2	Z	0	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-19.388	.5
2	MP2A	Z	-11.194	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	-19.388	4.5
5	MP2A	Z	-11.194	4.5
6	MP2A	Mx	.002	4.5
7	MP2B	X	-25.456	.5
8	MP2B	Z	-14.697	.5
9	MP2B	Mx	.02	.5
10	MP2B	X	-25.456	4.5
11	MP2B	Z	-14.697	4.5
12	MP2B	Mx	.02	4.5
13	MP2C	X	-19.388	.5
14	MP2C	Z	-11.194	.5
15	MP2C	Mx	-.017	.5
16	MP2C	X	-19.388	4.5
17	MP2C	Z	-11.194	4.5
18	MP2C	Mx	-.017	4.5
19	MP2A	X	-19.388	.5
20	MP2A	Z	-11.194	.5
21	MP2A	Mx	.017	.5
22	MP2A	X	-19.388	4.5
23	MP2A	Z	-11.194	4.5
24	MP2A	Mx	.017	4.5
25	MP2B	X	-25.456	.5
26	MP2B	Z	-14.697	.5
27	MP2B	Mx	-.02	.5
28	MP2B	X	-25.456	4.5
29	MP2B	Z	-14.697	4.5
30	MP2B	Mx	-.02	4.5
31	MP2C	X	-19.388	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	-11.194	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	-19.388	4.5
35	MP2C	Z	-11.194	4.5
36	MP2C	Mx	-.002	4.5
37	MP3A	X	-7.711	1
38	MP3A	Z	-4.452	1
39	MP3A	Mx	.004	1
40	MP3A	X	-7.711	3
41	MP3A	Z	-4.452	3
42	MP3A	Mx	.004	3
43	MP3B	X	-13.54	1
44	MP3B	Z	-7.817	1
45	MP3B	Mx	0	1
46	MP3B	X	-13.54	3
47	MP3B	Z	-7.817	3
48	MP3B	Mx	0	3
49	MP3C	X	-7.711	1
50	MP3C	Z	-4.452	1
51	MP3C	Mx	-.004	1
52	MP3C	X	-7.711	3
53	MP3C	Z	-4.452	3
54	MP3C	Mx	-.004	3
55	MP2A	X	-2.253	4
56	MP2A	Z	-1.301	4
57	MP2A	Mx	-.001	4
58	MP2B	X	-2.771	4
59	MP2B	Z	-1.6	4
60	MP2B	Mx	0	4
61	MP2C	X	-2.253	4
62	MP2C	Z	-1.301	4
63	MP2C	Mx	.001	4
64	OVP1	X	-22.174	1
65	OVP1	Z	-12.802	1
66	OVP1	Mx	0	1
67	MP2A	X	-8.808	2
68	MP2A	Z	-5.085	2
69	MP2A	Mx	-.004	2
70	MP2B	X	-11.413	2
71	MP2B	Z	-6.589	2
72	MP2B	Mx	0	2
73	MP2C	X	-8.808	2
74	MP2C	Z	-5.085	2
75	MP2C	Mx	.004	2
76	MP1A	X	-7.818	2
77	MP1A	Z	-4.514	2
78	MP1A	Mx	-.004	2
79	MP1B	X	-11.413	2
80	MP1B	Z	-6.589	2
81	MP1B	Mx	0	2
82	MP1C	X	-7.818	2
83	MP1C	Z	-4.514	2
84	MP1C	Mx	.004	2
85	MP1A	X	-10.186	.5
86	MP1A	Z	-5.881	.5
87	MP1A	Mx	.008	.5
88	MP1A	X	-10.186	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	-5.881	4
90	MP1A	Mx	.008	4
91	MP1B	X	-8.72	.5
92	MP1B	Z	-5.034	.5
93	MP1B	Mx	0	.5
94	MP1B	X	-8.72	4
95	MP1B	Z	-5.034	4
96	MP1B	Mx	0	4
97	MP1C	X	-10.186	.5
98	MP1C	Z	-5.881	.5
99	MP1C	Mx	-.008	.5
100	MP1C	X	-10.186	4
101	MP1C	Z	-5.881	4
102	MP1C	Mx	-.008	4
103	MP4A	X	-10.186	.5
104	MP4A	Z	-5.881	.5
105	MP4A	Mx	.008	.5
106	MP4A	X	-10.186	4
107	MP4A	Z	-5.881	4
108	MP4A	Mx	.008	4
109	MP4B	X	-8.72	.5
110	MP4B	Z	-5.034	.5
111	MP4B	Mx	0	.5
112	MP4B	X	-8.72	4
113	MP4B	Z	-5.034	4
114	MP4B	Mx	0	4
115	MP4C	X	-10.186	.5
116	MP4C	Z	-5.881	.5
117	MP4C	Mx	-.008	.5
118	MP4C	X	-10.186	4
119	MP4C	Z	-5.881	4
120	MP4C	Mx	-.008	4
121	OVP2	X	-22.174	1
122	OVP2	Z	-12.802	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-13.529	.5
2	MP2A	Z	-23.433	.5
3	MP2A	Mx	-.009	.5
4	MP2A	X	-13.529	4.5
5	MP2A	Z	-23.433	4.5
6	MP2A	Mx	-.009	4.5
7	MP2B	X	-13.529	.5
8	MP2B	Z	-23.433	.5
9	MP2B	Mx	.022	.5
10	MP2B	X	-13.529	4.5
11	MP2B	Z	-23.433	4.5
12	MP2B	Mx	.022	4.5
13	MP2C	X	-10.026	.5
14	MP2C	Z	-17.366	.5
15	MP2C	Mx	-.01	.5
16	MP2C	X	-10.026	4.5
17	MP2C	Z	-17.366	4.5
18	MP2C	Mx	-.01	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	-13.529	.5
20	MP2A	Z	-23.433	.5
21	MP2A	Mx	.022	.5
22	MP2A	X	-13.529	4.5
23	MP2A	Z	-23.433	4.5
24	MP2A	Mx	.022	4.5
25	MP2B	X	-13.529	.5
26	MP2B	Z	-23.433	.5
27	MP2B	Mx	-.009	.5
28	MP2B	X	-13.529	4.5
29	MP2B	Z	-23.433	4.5
30	MP2B	Mx	-.009	4.5
31	MP2C	X	-10.026	.5
32	MP2C	Z	-17.366	.5
33	MP2C	Mx	-.01	.5
34	MP2C	X	-10.026	4.5
35	MP2C	Z	-17.366	4.5
36	MP2C	Mx	-.01	4.5
37	MP3A	X	-6.695	1
38	MP3A	Z	-11.597	1
39	MP3A	Mx	.003	1
40	MP3A	X	-6.695	3
41	MP3A	Z	-11.597	3
42	MP3A	Mx	.003	3
43	MP3B	X	-6.695	1
44	MP3B	Z	-11.597	1
45	MP3B	Mx	.003	1
46	MP3B	X	-6.695	3
47	MP3B	Z	-11.597	3
48	MP3B	Mx	.003	3
49	MP3C	X	-3.33	1
50	MP3C	Z	-5.768	1
51	MP3C	Mx	-.003	1
52	MP3C	X	-3.33	3
53	MP3C	Z	-5.768	3
54	MP3C	Mx	-.003	3
55	MP2A	X	-1.5	4
56	MP2A	Z	-2.598	4
57	MP2A	Mx	-.00075	4
58	MP2B	X	-1.5	4
59	MP2B	Z	-2.598	4
60	MP2B	Mx	-.00075	4
61	MP2C	X	-1.201	4
62	MP2C	Z	-2.08	4
63	MP2C	Mx	.001	4
64	OVP1	X	-13.54	1
65	OVP1	Z	-23.452	1
66	OVP1	Mx	0	1
67	MP2A	X	-6.088	2
68	MP2A	Z	-10.544	2
69	MP2A	Mx	-.003	2
70	MP2B	X	-6.088	2
71	MP2B	Z	-10.544	2
72	MP2B	Mx	-.003	2
73	MP2C	X	-4.584	2
74	MP2C	Z	-7.939	2
75	MP2C	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	-5.897	2
77	MP1A	Z	-10.214	2
78	MP1A	Mx	-.003	2
79	MP1B	X	-5.897	2
80	MP1B	Z	-10.214	2
81	MP1B	Mx	-.003	2
82	MP1C	X	-3.822	2
83	MP1C	Z	-6.619	2
84	MP1C	Mx	.004	2
85	MP1A	X	-5.316	.5
86	MP1A	Z	-9.208	.5
87	MP1A	Mx	.004	.5
88	MP1A	X	-5.316	4
89	MP1A	Z	-9.208	4
90	MP1A	Mx	.004	4
91	MP1B	X	-5.316	.5
92	MP1B	Z	-9.208	.5
93	MP1B	Mx	.004	.5
94	MP1B	X	-5.316	4
95	MP1B	Z	-9.208	4
96	MP1B	Mx	.004	4
97	MP1C	X	-6.163	.5
98	MP1C	Z	-10.675	.5
99	MP1C	Mx	-.009	.5
100	MP1C	X	-6.163	4
101	MP1C	Z	-10.675	4
102	MP1C	Mx	-.009	4
103	MP4A	X	-5.316	.5
104	MP4A	Z	-9.208	.5
105	MP4A	Mx	.004	.5
106	MP4A	X	-5.316	4
107	MP4A	Z	-9.208	4
108	MP4A	Mx	.004	4
109	MP4B	X	-5.316	.5
110	MP4B	Z	-9.208	.5
111	MP4B	Mx	.004	.5
112	MP4B	X	-5.316	4
113	MP4B	Z	-9.208	4
114	MP4B	Mx	.004	4
115	MP4C	X	-6.163	.5
116	MP4C	Z	-10.675	.5
117	MP4C	Mx	-.009	.5
118	MP4C	X	-6.163	4
119	MP4C	Z	-10.675	4
120	MP4C	Mx	-.009	4
121	OVP2	X	-13.54	1
122	OVP2	Z	-23.452	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-9.655	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	0	4.5
5	MP2A	Z	-9.655	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.006	4.5
7	MP2B	X	0	.5
8	MP2B	Z	-7.169	.5
9	MP2B	Mx	.005	.5
10	MP2B	X	0	4.5
11	MP2B	Z	-7.169	4.5
12	MP2B	Mx	.005	4.5
13	MP2C	X	0	.5
14	MP2C	Z	-7.169	.5
15	MP2C	Mx	-.000715	.5
16	MP2C	X	0	4.5
17	MP2C	Z	-7.169	4.5
18	MP2C	Mx	-.000715	4.5
19	MP2A	X	0	.5
20	MP2A	Z	-9.655	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	0	4.5
23	MP2A	Z	-9.655	4.5
24	MP2A	Mx	.006	4.5
25	MP2B	X	0	.5
26	MP2B	Z	-7.169	.5
27	MP2B	Mx	.000715	.5
28	MP2B	X	0	4.5
29	MP2B	Z	-7.169	4.5
30	MP2B	Mx	.000715	4.5
31	MP2C	X	0	.5
32	MP2C	Z	-7.169	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	0	4.5
35	MP2C	Z	-7.169	4.5
36	MP2C	Mx	-.005	4.5
37	MP3A	X	0	1
38	MP3A	Z	-4.981	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-4.981	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-2.708	1
45	MP3B	Mx	.001	1
46	MP3B	X	0	3
47	MP3B	Z	-2.708	3
48	MP3B	Mx	.001	3
49	MP3C	X	0	1
50	MP3C	Z	-2.708	1
51	MP3C	Mx	-.001	1
52	MP3C	X	0	3
53	MP3C	Z	-2.708	3
54	MP3C	Mx	-.001	3
55	MP2A	X	0	4
56	MP2A	Z	-.784	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	-.603	4
60	MP2B	Mx	-.000261	4
61	MP2C	X	0	4
62	MP2C	Z	-.603	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.000261	4
64	OVP1	X	0	1
65	OVP1	Z	-8.095	1
66	OVP1	Mx	0	1
67	MP2A	X	0	2
68	MP2A	Z	-3.964	2
69	MP2A	Mx	0	2
70	MP2B	X	0	2
71	MP2B	Z	-2.978	2
72	MP2B	Mx	-.001	2
73	MP2C	X	0	2
74	MP2C	Z	-2.978	2
75	MP2C	Mx	.001	2
76	MP1A	X	0	2
77	MP1A	Z	-3.964	2
78	MP1A	Mx	0	2
79	MP1B	X	0	2
80	MP1B	Z	-2.6	2
81	MP1B	Mx	-.001	2
82	MP1C	X	0	2
83	MP1C	Z	-2.6	2
84	MP1C	Mx	.001	2
85	MP1A	X	0	.5
86	MP1A	Z	-3.031	.5
87	MP1A	Mx	0	.5
88	MP1A	X	0	4
89	MP1A	Z	-3.031	4
90	MP1A	Mx	0	4
91	MP1B	X	0	.5
92	MP1B	Z	-3.631	.5
93	MP1B	Mx	.002	.5
94	MP1B	X	0	4
95	MP1B	Z	-3.631	4
96	MP1B	Mx	.002	4
97	MP1C	X	0	.5
98	MP1C	Z	-3.631	.5
99	MP1C	Mx	-.002	.5
100	MP1C	X	0	4
101	MP1C	Z	-3.631	4
102	MP1C	Mx	-.002	4
103	MP4A	X	0	.5
104	MP4A	Z	-3.031	.5
105	MP4A	Mx	0	.5
106	MP4A	X	0	4
107	MP4A	Z	-3.031	4
108	MP4A	Mx	0	4
109	MP4B	X	0	.5
110	MP4B	Z	-3.631	.5
111	MP4B	Mx	.002	.5
112	MP4B	X	0	4
113	MP4B	Z	-3.631	4
114	MP4B	Mx	.002	4
115	MP4C	X	0	.5
116	MP4C	Z	-3.631	.5
117	MP4C	Mx	-.002	.5
118	MP4C	X	0	4
119	MP4C	Z	-3.631	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mx	-.002	4
121	OVP2	X	0	1
122	OVP2	Z	-8.095	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.413	.5
2	MP2A	Z	-7.644	.5
3	MP2A	Mx	-.007	.5
4	MP2A	X	4.413	4.5
5	MP2A	Z	-7.644	4.5
6	MP2A	Mx	-.007	4.5
7	MP2B	X	3.171	.5
8	MP2B	Z	-5.492	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	3.171	4.5
11	MP2B	Z	-5.492	4.5
12	MP2B	Mx	.003	4.5
13	MP2C	X	4.413	.5
14	MP2C	Z	-7.644	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	4.413	4.5
17	MP2C	Z	-7.644	4.5
18	MP2C	Mx	.003	4.5
19	MP2A	X	4.413	.5
20	MP2A	Z	-7.644	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	4.413	4.5
23	MP2A	Z	-7.644	4.5
24	MP2A	Mx	.003	4.5
25	MP2B	X	3.171	.5
26	MP2B	Z	-5.492	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	3.171	4.5
29	MP2B	Z	-5.492	4.5
30	MP2B	Mx	.003	4.5
31	MP2C	X	4.413	.5
32	MP2C	Z	-7.644	.5
33	MP2C	Mx	-.007	.5
34	MP2C	X	4.413	4.5
35	MP2C	Z	-7.644	4.5
36	MP2C	Mx	-.007	4.5
37	MP3A	X	2.112	1
38	MP3A	Z	-3.657	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.112	3
41	MP3A	Z	-3.657	3
42	MP3A	Mx	-.001	3
43	MP3B	X	.975	1
44	MP3B	Z	-1.689	1
45	MP3B	Mx	.000975	1
46	MP3B	X	.975	3
47	MP3B	Z	-1.689	3
48	MP3B	Mx	.000975	3
49	MP3C	X	2.112	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	-3.657	1
51	MP3C	Mx	-.001	1
52	MP3C	X	2.112	3
53	MP3C	Z	-3.657	3
54	MP3C	Mx	-.001	3
55	MP2A	X	.362	4
56	MP2A	Z	-.627	4
57	MP2A	Mx	.000181	4
58	MP2B	X	.271	4
59	MP2B	Z	-.47	4
60	MP2B	Mx	-.000271	4
61	MP2C	X	.362	4
62	MP2C	Z	-.627	4
63	MP2C	Mx	.000181	4
64	OVP1	X	3.538	1
65	OVP1	Z	-6.127	1
66	OVP1	Mx	0	1
67	MP2A	X	1.818	2
68	MP2A	Z	-3.148	2
69	MP2A	Mx	.000909	2
70	MP2B	X	1.325	2
71	MP2B	Z	-2.295	2
72	MP2B	Mx	-.001	2
73	MP2C	X	1.818	2
74	MP2C	Z	-3.148	2
75	MP2C	Mx	.000909	2
76	MP1A	X	1.755	2
77	MP1A	Z	-3.039	2
78	MP1A	Mx	.000877	2
79	MP1B	X	1.073	2
80	MP1B	Z	-1.859	2
81	MP1B	Mx	-.001	2
82	MP1C	X	1.755	2
83	MP1C	Z	-3.039	2
84	MP1C	Mx	.000877	2
85	MP1A	X	1.615	.5
86	MP1A	Z	-2.798	.5
87	MP1A	Mx	-.001	.5
88	MP1A	X	1.615	4
89	MP1A	Z	-2.798	4
90	MP1A	Mx	-.001	4
91	MP1B	X	1.915	.5
92	MP1B	Z	-3.318	.5
93	MP1B	Mx	.003	.5
94	MP1B	X	1.915	4
95	MP1B	Z	-3.318	4
96	MP1B	Mx	.003	4
97	MP1C	X	1.615	.5
98	MP1C	Z	-2.798	.5
99	MP1C	Mx	-.001	.5
100	MP1C	X	1.615	4
101	MP1C	Z	-2.798	4
102	MP1C	Mx	-.001	4
103	MP4A	X	1.615	.5
104	MP4A	Z	-2.798	.5
105	MP4A	Mx	-.001	.5
106	MP4A	X	1.615	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4A	Z	-2.798	4
108	MP4A	Mx	-.001	4
109	MP4B	X	1.915	.5
110	MP4B	Z	-3.318	.5
111	MP4B	Mx	.003	.5
112	MP4B	X	1.915	4
113	MP4B	Z	-3.318	4
114	MP4B	Mx	.003	4
115	MP4C	X	1.615	.5
116	MP4C	Z	-2.798	.5
117	MP4C	Mx	-.001	.5
118	MP4C	X	1.615	4
119	MP4C	Z	-2.798	4
120	MP4C	Mx	-.001	4
121	OVP2	X	3.538	1
122	OVP2	Z	-6.127	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.209	.5
2	MP2A	Z	-3.585	.5
3	MP2A	Mx	-.005	.5
4	MP2A	X	6.209	4.5
5	MP2A	Z	-3.585	4.5
6	MP2A	Mx	-.005	4.5
7	MP2B	X	6.209	.5
8	MP2B	Z	-3.585	.5
9	MP2B	Mx	.000715	.5
10	MP2B	X	6.209	4.5
11	MP2B	Z	-3.585	4.5
12	MP2B	Mx	.000715	4.5
13	MP2C	X	8.361	.5
14	MP2C	Z	-4.827	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	8.361	4.5
17	MP2C	Z	-4.827	4.5
18	MP2C	Mx	.006	4.5
19	MP2A	X	6.209	.5
20	MP2A	Z	-3.585	.5
21	MP2A	Mx	-.000714	.5
22	MP2A	X	6.209	4.5
23	MP2A	Z	-3.585	4.5
24	MP2A	Mx	-.000714	4.5
25	MP2B	X	6.209	.5
26	MP2B	Z	-3.585	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	6.209	4.5
29	MP2B	Z	-3.585	4.5
30	MP2B	Mx	.005	4.5
31	MP2C	X	8.361	.5
32	MP2C	Z	-4.827	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	8.361	4.5
35	MP2C	Z	-4.827	4.5
36	MP2C	Mx	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	2.345	1
38	MP3A	Z	-1.354	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.345	3
41	MP3A	Z	-1.354	3
42	MP3A	Mx	-.001	3
43	MP3B	X	2.345	1
44	MP3B	Z	-1.354	1
45	MP3B	Mx	.001	1
46	MP3B	X	2.345	3
47	MP3B	Z	-1.354	3
48	MP3B	Mx	.001	3
49	MP3C	X	4.314	1
50	MP3C	Z	-2.491	1
51	MP3C	Mx	0	1
52	MP3C	X	4.314	3
53	MP3C	Z	-2.491	3
54	MP3C	Mx	0	3
55	MP2A	X	.522	4
56	MP2A	Z	-.302	4
57	MP2A	Mx	.000261	4
58	MP2B	X	.522	4
59	MP2B	Z	-.302	4
60	MP2B	Mx	-.000261	4
61	MP2C	X	.679	4
62	MP2C	Z	-.392	4
63	MP2C	Mx	0	4
64	OVP1	X	5.686	1
65	OVP1	Z	-3.283	1
66	OVP1	Mx	0	1
67	MP2A	X	2.579	2
68	MP2A	Z	-1.489	2
69	MP2A	Mx	.001	2
70	MP2B	X	2.579	2
71	MP2B	Z	-1.489	2
72	MP2B	Mx	-.001	2
73	MP2C	X	3.433	2
74	MP2C	Z	-1.982	2
75	MP2C	Mx	0	2
76	MP1A	X	2.252	2
77	MP1A	Z	-1.3	2
78	MP1A	Mx	.001	2
79	MP1B	X	2.252	2
80	MP1B	Z	-1.3	2
81	MP1B	Mx	-.001	2
82	MP1C	X	3.433	2
83	MP1C	Z	-1.982	2
84	MP1C	Mx	0	2
85	MP1A	X	3.145	.5
86	MP1A	Z	-1.815	.5
87	MP1A	Mx	-.002	.5
88	MP1A	X	3.145	4
89	MP1A	Z	-1.815	4
90	MP1A	Mx	-.002	4
91	MP1B	X	3.145	.5
92	MP1B	Z	-1.815	.5
93	MP1B	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1B	X	3.145	4
95	MP1B	Z	-1.815	4
96	MP1B	Mx	.002	4
97	MP1C	X	2.625	.5
98	MP1C	Z	-1.516	.5
99	MP1C	Mx	0	.5
100	MP1C	X	2.625	4
101	MP1C	Z	-1.516	4
102	MP1C	Mx	0	4
103	MP4A	X	3.145	.5
104	MP4A	Z	-1.815	.5
105	MP4A	Mx	-.002	.5
106	MP4A	X	3.145	4
107	MP4A	Z	-1.815	4
108	MP4A	Mx	-.002	4
109	MP4B	X	3.145	.5
110	MP4B	Z	-1.815	.5
111	MP4B	Mx	.002	.5
112	MP4B	X	3.145	4
113	MP4B	Z	-1.815	4
114	MP4B	Mx	.002	4
115	MP4C	X	2.625	.5
116	MP4C	Z	-1.516	.5
117	MP4C	Mx	0	.5
118	MP4C	X	2.625	4
119	MP4C	Z	-1.516	4
120	MP4C	Mx	0	4
121	OVP2	X	5.686	1
122	OVP2	Z	-3.283	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.341	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	6.341	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	-.003	4.5
7	MP2B	X	8.826	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	8.826	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	-.003	4.5
13	MP2C	X	8.826	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.007	.5
16	MP2C	X	8.826	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	.007	4.5
19	MP2A	X	6.341	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	6.341	4.5
23	MP2A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.003	4.5
25	MP2B	X	8.826	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	8.826	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	.007	4.5
31	MP2C	X	8.826	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	8.826	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	-.003	4.5
37	MP3A	X	1.95	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.000975	1
40	MP3A	X	1.95	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.000975	3
43	MP3B	X	4.223	1
44	MP3B	Z	0	1
45	MP3B	Mx	.001	1
46	MP3B	X	4.223	3
47	MP3B	Z	0	3
48	MP3B	Mx	.001	3
49	MP3C	X	4.223	1
50	MP3C	Z	0	1
51	MP3C	Mx	.001	1
52	MP3C	X	4.223	3
53	MP3C	Z	0	3
54	MP3C	Mx	.001	3
55	MP2A	X	.543	4
56	MP2A	Z	0	4
57	MP2A	Mx	.000272	4
58	MP2B	X	.724	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.000181	4
61	MP2C	X	.724	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.000181	4
64	OVP1	X	7.075	1
65	OVP1	Z	0	1
66	OVP1	Mx	0	1
67	MP2A	X	2.649	2
68	MP2A	Z	0	2
69	MP2A	Mx	.001	2
70	MP2B	X	3.635	2
71	MP2B	Z	0	2
72	MP2B	Mx	-.000909	2
73	MP2C	X	3.635	2
74	MP2C	Z	0	2
75	MP2C	Mx	-.000909	2
76	MP1A	X	2.146	2
77	MP1A	Z	0	2
78	MP1A	Mx	.001	2
79	MP1B	X	3.509	2
80	MP1B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	-.000877	2
82	MP1C	X	3.509	2
83	MP1C	Z	0	2
84	MP1C	Mx	-.000877	2
85	MP1A	X	3.831	.5
86	MP1A	Z	0	.5
87	MP1A	Mx	-.003	.5
88	MP1A	X	3.831	4
89	MP1A	Z	0	4
90	MP1A	Mx	-.003	4
91	MP1B	X	3.231	.5
92	MP1B	Z	0	.5
93	MP1B	Mx	.001	.5
94	MP1B	X	3.231	4
95	MP1B	Z	0	4
96	MP1B	Mx	.001	4
97	MP1C	X	3.231	.5
98	MP1C	Z	0	.5
99	MP1C	Mx	.001	.5
100	MP1C	X	3.231	4
101	MP1C	Z	0	4
102	MP1C	Mx	.001	4
103	MP4A	X	3.831	.5
104	MP4A	Z	0	.5
105	MP4A	Mx	-.003	.5
106	MP4A	X	3.831	4
107	MP4A	Z	0	4
108	MP4A	Mx	-.003	4
109	MP4B	X	3.231	.5
110	MP4B	Z	0	.5
111	MP4B	Mx	.001	.5
112	MP4B	X	3.231	4
113	MP4B	Z	0	4
114	MP4B	Mx	.001	4
115	MP4C	X	3.231	.5
116	MP4C	Z	0	.5
117	MP4C	Mx	.001	.5
118	MP4C	X	3.231	4
119	MP4C	Z	0	4
120	MP4C	Mx	.001	4
121	OVP2	X	7.075	1
122	OVP2	Z	0	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.209	.5
2	MP2A	Z	3.585	.5
3	MP2A	Mx	-.000714	.5
4	MP2A	X	6.209	4.5
5	MP2A	Z	3.585	4.5
6	MP2A	Mx	-.000714	4.5
7	MP2B	X	8.361	.5
8	MP2B	Z	4.827	.5
9	MP2B	Mx	-.006	.5
10	MP2B	X	8.361	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	4.827	4.5
12	MP2B	Mx	-.006	4.5
13	MP2C	X	6.209	.5
14	MP2C	Z	3.585	.5
15	MP2C	Mx	.005	.5
16	MP2C	X	6.209	4.5
17	MP2C	Z	3.585	4.5
18	MP2C	Mx	.005	4.5
19	MP2A	X	6.209	.5
20	MP2A	Z	3.585	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	6.209	4.5
23	MP2A	Z	3.585	4.5
24	MP2A	Mx	-.005	4.5
25	MP2B	X	8.361	.5
26	MP2B	Z	4.827	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	8.361	4.5
29	MP2B	Z	4.827	4.5
30	MP2B	Mx	.006	4.5
31	MP2C	X	6.209	.5
32	MP2C	Z	3.585	.5
33	MP2C	Mx	.000715	.5
34	MP2C	X	6.209	4.5
35	MP2C	Z	3.585	4.5
36	MP2C	Mx	.000715	4.5
37	MP3A	X	2.345	1
38	MP3A	Z	1.354	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.345	3
41	MP3A	Z	1.354	3
42	MP3A	Mx	-.001	3
43	MP3B	X	4.314	1
44	MP3B	Z	2.491	1
45	MP3B	Mx	0	1
46	MP3B	X	4.314	3
47	MP3B	Z	2.491	3
48	MP3B	Mx	0	3
49	MP3C	X	2.345	1
50	MP3C	Z	1.354	1
51	MP3C	Mx	.001	1
52	MP3C	X	2.345	3
53	MP3C	Z	1.354	3
54	MP3C	Mx	.001	3
55	MP2A	X	.522	4
56	MP2A	Z	.302	4
57	MP2A	Mx	.000261	4
58	MP2B	X	.679	4
59	MP2B	Z	.392	4
60	MP2B	Mx	0	4
61	MP2C	X	.522	4
62	MP2C	Z	.302	4
63	MP2C	Mx	-.000261	4
64	OVP1	X	7.011	1
65	OVP1	Z	4.048	1
66	OVP1	Mx	0	1
67	MP2A	X	2.579	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	1.489	2
69	MP2A	Mx	.001	2
70	MP2B	X	3.433	2
71	MP2B	Z	1.982	2
72	MP2B	Mx	0	2
73	MP2C	X	2.579	2
74	MP2C	Z	1.489	2
75	MP2C	Mx	-.001	2
76	MP1A	X	2.252	2
77	MP1A	Z	1.3	2
78	MP1A	Mx	.001	2
79	MP1B	X	3.433	2
80	MP1B	Z	1.982	2
81	MP1B	Mx	0	2
82	MP1C	X	2.252	2
83	MP1C	Z	1.3	2
84	MP1C	Mx	-.001	2
85	MP1A	X	3.145	.5
86	MP1A	Z	1.815	.5
87	MP1A	Mx	-.002	.5
88	MP1A	X	3.145	4
89	MP1A	Z	1.815	4
90	MP1A	Mx	-.002	4
91	MP1B	X	2.625	.5
92	MP1B	Z	1.516	.5
93	MP1B	Mx	0	.5
94	MP1B	X	2.625	4
95	MP1B	Z	1.516	4
96	MP1B	Mx	0	4
97	MP1C	X	3.145	.5
98	MP1C	Z	1.815	.5
99	MP1C	Mx	.002	.5
100	MP1C	X	3.145	4
101	MP1C	Z	1.815	4
102	MP1C	Mx	.002	4
103	MP4A	X	3.145	.5
104	MP4A	Z	1.815	.5
105	MP4A	Mx	-.002	.5
106	MP4A	X	3.145	4
107	MP4A	Z	1.815	4
108	MP4A	Mx	-.002	4
109	MP4B	X	2.625	.5
110	MP4B	Z	1.516	.5
111	MP4B	Mx	0	.5
112	MP4B	X	2.625	4
113	MP4B	Z	1.516	4
114	MP4B	Mx	0	4
115	MP4C	X	3.145	.5
116	MP4C	Z	1.815	.5
117	MP4C	Mx	.002	.5
118	MP4C	X	3.145	4
119	MP4C	Z	1.815	4
120	MP4C	Mx	.002	4
121	OVP2	X	7.011	1
122	OVP2	Z	4.048	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.413	.5
2	MP2A	Z	7.644	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	4.413	4.5
5	MP2A	Z	7.644	4.5
6	MP2A	Mx	.003	4.5
7	MP2B	X	4.413	.5
8	MP2B	Z	7.644	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	4.413	4.5
11	MP2B	Z	7.644	4.5
12	MP2B	Mx	-.007	4.5
13	MP2C	X	3.171	.5
14	MP2C	Z	5.492	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	3.171	4.5
17	MP2C	Z	5.492	4.5
18	MP2C	Mx	.003	4.5
19	MP2A	X	4.413	.5
20	MP2A	Z	7.644	.5
21	MP2A	Mx	-.007	.5
22	MP2A	X	4.413	4.5
23	MP2A	Z	7.644	4.5
24	MP2A	Mx	-.007	4.5
25	MP2B	X	4.413	.5
26	MP2B	Z	7.644	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	4.413	4.5
29	MP2B	Z	7.644	4.5
30	MP2B	Mx	.003	4.5
31	MP2C	X	3.171	.5
32	MP2C	Z	5.492	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	3.171	4.5
35	MP2C	Z	5.492	4.5
36	MP2C	Mx	.003	4.5
37	MP3A	X	2.112	1
38	MP3A	Z	3.657	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.112	3
41	MP3A	Z	3.657	3
42	MP3A	Mx	-.001	3
43	MP3B	X	2.112	1
44	MP3B	Z	3.657	1
45	MP3B	Mx	-.001	1
46	MP3B	X	2.112	3
47	MP3B	Z	3.657	3
48	MP3B	Mx	-.001	3
49	MP3C	X	.975	1
50	MP3C	Z	1.689	1
51	MP3C	Mx	.000975	1
52	MP3C	X	.975	3
53	MP3C	Z	1.689	3
54	MP3C	Mx	.000975	3
55	MP2A	X	.362	4
56	MP2A	Z	.627	4
57	MP2A	Mx	.000181	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	.362	4
59	MP2B	Z	.627	4
60	MP2B	Mx	.000181	4
61	MP2C	X	.271	4
62	MP2C	Z	.47	4
63	MP2C	Mx	-.000271	4
64	OVP1	X	4.303	1
65	OVP1	Z	7.453	1
66	OVP1	Mx	0	1
67	MP2A	X	1.818	2
68	MP2A	Z	3.148	2
69	MP2A	Mx	.000909	2
70	MP2B	X	1.818	2
71	MP2B	Z	3.148	2
72	MP2B	Mx	.000909	2
73	MP2C	X	1.325	2
74	MP2C	Z	2.295	2
75	MP2C	Mx	-.001	2
76	MP1A	X	1.755	2
77	MP1A	Z	3.039	2
78	MP1A	Mx	.000877	2
79	MP1B	X	1.755	2
80	MP1B	Z	3.039	2
81	MP1B	Mx	.000877	2
82	MP1C	X	1.073	2
83	MP1C	Z	1.859	2
84	MP1C	Mx	-.001	2
85	MP1A	X	1.615	.5
86	MP1A	Z	2.798	.5
87	MP1A	Mx	-.001	.5
88	MP1A	X	1.615	4
89	MP1A	Z	2.798	4
90	MP1A	Mx	-.001	4
91	MP1B	X	1.615	.5
92	MP1B	Z	2.798	.5
93	MP1B	Mx	-.001	.5
94	MP1B	X	1.615	4
95	MP1B	Z	2.798	4
96	MP1B	Mx	-.001	4
97	MP1C	X	1.915	.5
98	MP1C	Z	3.318	.5
99	MP1C	Mx	.003	.5
100	MP1C	X	1.915	4
101	MP1C	Z	3.318	4
102	MP1C	Mx	.003	4
103	MP4A	X	1.615	.5
104	MP4A	Z	2.798	.5
105	MP4A	Mx	-.001	.5
106	MP4A	X	1.615	4
107	MP4A	Z	2.798	4
108	MP4A	Mx	-.001	4
109	MP4B	X	1.615	.5
110	MP4B	Z	2.798	.5
111	MP4B	Mx	-.001	.5
112	MP4B	X	1.615	4
113	MP4B	Z	2.798	4
114	MP4B	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	1.915	.5
116	MP4C	Z	3.318	.5
117	MP4C	Mx	.003	.5
118	MP4C	X	1.915	4
119	MP4C	Z	3.318	4
120	MP4C	Mx	.003	4
121	OVP2	X	4.303	1
122	OVP2	Z	7.453	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	9.655	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	0	4.5
5	MP2A	Z	9.655	4.5
6	MP2A	Mx	.006	4.5
7	MP2B	X	0	.5
8	MP2B	Z	7.169	.5
9	MP2B	Mx	-.005	.5
10	MP2B	X	0	4.5
11	MP2B	Z	7.169	4.5
12	MP2B	Mx	-.005	4.5
13	MP2C	X	0	.5
14	MP2C	Z	7.169	.5
15	MP2C	Mx	.000715	.5
16	MP2C	X	0	4.5
17	MP2C	Z	7.169	4.5
18	MP2C	Mx	.000715	4.5
19	MP2A	X	0	.5
20	MP2A	Z	9.655	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	0	4.5
23	MP2A	Z	9.655	4.5
24	MP2A	Mx	-.006	4.5
25	MP2B	X	0	.5
26	MP2B	Z	7.169	.5
27	MP2B	Mx	-.000715	.5
28	MP2B	X	0	4.5
29	MP2B	Z	7.169	4.5
30	MP2B	Mx	-.000715	4.5
31	MP2C	X	0	.5
32	MP2C	Z	7.169	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	0	4.5
35	MP2C	Z	7.169	4.5
36	MP2C	Mx	.005	4.5
37	MP3A	X	0	1
38	MP3A	Z	4.981	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	4.981	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	2.708	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	-.001	1
46	MP3B	X	0	3
47	MP3B	Z	2.708	3
48	MP3B	Mx	-.001	3
49	MP3C	X	0	1
50	MP3C	Z	2.708	1
51	MP3C	Mx	.001	1
52	MP3C	X	0	3
53	MP3C	Z	2.708	3
54	MP3C	Mx	.001	3
55	MP2A	X	0	4
56	MP2A	Z	.784	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	.603	4
60	MP2B	Mx	.000261	4
61	MP2C	X	0	4
62	MP2C	Z	.603	4
63	MP2C	Mx	-.000261	4
64	OVP1	X	0	1
65	OVP1	Z	8.095	1
66	OVP1	Mx	0	1
67	MP2A	X	0	2
68	MP2A	Z	3.964	2
69	MP2A	Mx	0	2
70	MP2B	X	0	2
71	MP2B	Z	2.978	2
72	MP2B	Mx	.001	2
73	MP2C	X	0	2
74	MP2C	Z	2.978	2
75	MP2C	Mx	-.001	2
76	MP1A	X	0	2
77	MP1A	Z	3.964	2
78	MP1A	Mx	0	2
79	MP1B	X	0	2
80	MP1B	Z	2.6	2
81	MP1B	Mx	.001	2
82	MP1C	X	0	2
83	MP1C	Z	2.6	2
84	MP1C	Mx	-.001	2
85	MP1A	X	0	.5
86	MP1A	Z	3.031	.5
87	MP1A	Mx	0	.5
88	MP1A	X	0	4
89	MP1A	Z	3.031	4
90	MP1A	Mx	0	4
91	MP1B	X	0	.5
92	MP1B	Z	3.631	.5
93	MP1B	Mx	-.002	.5
94	MP1B	X	0	4
95	MP1B	Z	3.631	4
96	MP1B	Mx	-.002	4
97	MP1C	X	0	.5
98	MP1C	Z	3.631	.5
99	MP1C	Mx	.002	.5
100	MP1C	X	0	4
101	MP1C	Z	3.631	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	.002	4
103	MP4A	X	0	.5
104	MP4A	Z	3.031	.5
105	MP4A	Mx	0	.5
106	MP4A	X	0	4
107	MP4A	Z	3.031	4
108	MP4A	Mx	0	4
109	MP4B	X	0	.5
110	MP4B	Z	3.631	.5
111	MP4B	Mx	-.002	.5
112	MP4B	X	0	4
113	MP4B	Z	3.631	4
114	MP4B	Mx	-.002	4
115	MP4C	X	0	.5
116	MP4C	Z	3.631	.5
117	MP4C	Mx	.002	.5
118	MP4C	X	0	4
119	MP4C	Z	3.631	4
120	MP4C	Mx	.002	4
121	OVP2	X	0	1
122	OVP2	Z	8.095	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.413	.5
2	MP2A	Z	7.644	.5
3	MP2A	Mx	.007	.5
4	MP2A	X	-4.413	4.5
5	MP2A	Z	7.644	4.5
6	MP2A	Mx	.007	4.5
7	MP2B	X	-3.171	.5
8	MP2B	Z	5.492	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-3.171	4.5
11	MP2B	Z	5.492	4.5
12	MP2B	Mx	-.003	4.5
13	MP2C	X	-4.413	.5
14	MP2C	Z	7.644	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	-4.413	4.5
17	MP2C	Z	7.644	4.5
18	MP2C	Mx	-.003	4.5
19	MP2A	X	-4.413	.5
20	MP2A	Z	7.644	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	-4.413	4.5
23	MP2A	Z	7.644	4.5
24	MP2A	Mx	-.003	4.5
25	MP2B	X	-3.171	.5
26	MP2B	Z	5.492	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	-3.171	4.5
29	MP2B	Z	5.492	4.5
30	MP2B	Mx	-.003	4.5
31	MP2C	X	-4.413	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	7.644	.5
33	MP2C	Mx	.007	.5
34	MP2C	X	-4.413	4.5
35	MP2C	Z	7.644	4.5
36	MP2C	Mx	.007	4.5
37	MP3A	X	-2.112	1
38	MP3A	Z	3.657	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.112	3
41	MP3A	Z	3.657	3
42	MP3A	Mx	.001	3
43	MP3B	X	-.975	1
44	MP3B	Z	1.689	1
45	MP3B	Mx	-.000975	1
46	MP3B	X	-.975	3
47	MP3B	Z	1.689	3
48	MP3B	Mx	-.000975	3
49	MP3C	X	-2.112	1
50	MP3C	Z	3.657	1
51	MP3C	Mx	.001	1
52	MP3C	X	-2.112	3
53	MP3C	Z	3.657	3
54	MP3C	Mx	.001	3
55	MP2A	X	-.362	4
56	MP2A	Z	.627	4
57	MP2A	Mx	-.000181	4
58	MP2B	X	-.271	4
59	MP2B	Z	.47	4
60	MP2B	Mx	.000271	4
61	MP2C	X	-.362	4
62	MP2C	Z	.627	4
63	MP2C	Mx	-.000181	4
64	OVP1	X	-3.538	1
65	OVP1	Z	6.127	1
66	OVP1	Mx	0	1
67	MP2A	X	-1.818	2
68	MP2A	Z	3.148	2
69	MP2A	Mx	-.000909	2
70	MP2B	X	-1.325	2
71	MP2B	Z	2.295	2
72	MP2B	Mx	.001	2
73	MP2C	X	-1.818	2
74	MP2C	Z	3.148	2
75	MP2C	Mx	-.000909	2
76	MP1A	X	-1.755	2
77	MP1A	Z	3.039	2
78	MP1A	Mx	-.000877	2
79	MP1B	X	-1.073	2
80	MP1B	Z	1.859	2
81	MP1B	Mx	.001	2
82	MP1C	X	-1.755	2
83	MP1C	Z	3.039	2
84	MP1C	Mx	-.000877	2
85	MP1A	X	-1.615	.5
86	MP1A	Z	2.798	.5
87	MP1A	Mx	.001	.5
88	MP1A	X	-1.615	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	2.798	4
90	MP1A	Mx	.001	4
91	MP1B	X	-1.915	.5
92	MP1B	Z	3.318	.5
93	MP1B	Mx	-.003	.5
94	MP1B	X	-1.915	4
95	MP1B	Z	3.318	4
96	MP1B	Mx	-.003	4
97	MP1C	X	-1.615	.5
98	MP1C	Z	2.798	.5
99	MP1C	Mx	.001	.5
100	MP1C	X	-1.615	4
101	MP1C	Z	2.798	4
102	MP1C	Mx	.001	4
103	MP4A	X	-1.615	.5
104	MP4A	Z	2.798	.5
105	MP4A	Mx	.001	.5
106	MP4A	X	-1.615	4
107	MP4A	Z	2.798	4
108	MP4A	Mx	.001	4
109	MP4B	X	-1.915	.5
110	MP4B	Z	3.318	.5
111	MP4B	Mx	-.003	.5
112	MP4B	X	-1.915	4
113	MP4B	Z	3.318	4
114	MP4B	Mx	-.003	4
115	MP4C	X	-1.615	.5
116	MP4C	Z	2.798	.5
117	MP4C	Mx	.001	.5
118	MP4C	X	-1.615	4
119	MP4C	Z	2.798	4
120	MP4C	Mx	.001	4
121	OVP2	X	-3.538	1
122	OVP2	Z	6.127	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.209	.5
2	MP2A	Z	3.585	.5
3	MP2A	Mx	.005	.5
4	MP2A	X	-6.209	4.5
5	MP2A	Z	3.585	4.5
6	MP2A	Mx	.005	4.5
7	MP2B	X	-6.209	.5
8	MP2B	Z	3.585	.5
9	MP2B	Mx	-.000715	.5
10	MP2B	X	-6.209	4.5
11	MP2B	Z	3.585	4.5
12	MP2B	Mx	-.000715	4.5
13	MP2C	X	-8.361	.5
14	MP2C	Z	4.827	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	-8.361	4.5
17	MP2C	Z	4.827	4.5
18	MP2C	Mx	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	-6.209	.5
20	MP2A	Z	3.585	.5
21	MP2A	Mx	.000714	.5
22	MP2A	X	-6.209	4.5
23	MP2A	Z	3.585	4.5
24	MP2A	Mx	.000714	4.5
25	MP2B	X	-6.209	.5
26	MP2B	Z	3.585	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	-6.209	4.5
29	MP2B	Z	3.585	4.5
30	MP2B	Mx	-.005	4.5
31	MP2C	X	-8.361	.5
32	MP2C	Z	4.827	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	-8.361	4.5
35	MP2C	Z	4.827	4.5
36	MP2C	Mx	.006	4.5
37	MP3A	X	-2.345	1
38	MP3A	Z	1.354	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.345	3
41	MP3A	Z	1.354	3
42	MP3A	Mx	.001	3
43	MP3B	X	-2.345	1
44	MP3B	Z	1.354	1
45	MP3B	Mx	-.001	1
46	MP3B	X	-2.345	3
47	MP3B	Z	1.354	3
48	MP3B	Mx	-.001	3
49	MP3C	X	-4.314	1
50	MP3C	Z	2.491	1
51	MP3C	Mx	0	1
52	MP3C	X	-4.314	3
53	MP3C	Z	2.491	3
54	MP3C	Mx	0	3
55	MP2A	X	-.522	4
56	MP2A	Z	.302	4
57	MP2A	Mx	-.000261	4
58	MP2B	X	-.522	4
59	MP2B	Z	.302	4
60	MP2B	Mx	.000261	4
61	MP2C	X	-.679	4
62	MP2C	Z	.392	4
63	MP2C	Mx	0	4
64	OVP1	X	-5.686	1
65	OVP1	Z	3.283	1
66	OVP1	Mx	0	1
67	MP2A	X	-2.579	2
68	MP2A	Z	1.489	2
69	MP2A	Mx	-.001	2
70	MP2B	X	-2.579	2
71	MP2B	Z	1.489	2
72	MP2B	Mx	.001	2
73	MP2C	X	-3.433	2
74	MP2C	Z	1.982	2
75	MP2C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	-2.252	2
77	MP1A	Z	1.3	2
78	MP1A	Mx	-.001	2
79	MP1B	X	-2.252	2
80	MP1B	Z	1.3	2
81	MP1B	Mx	.001	2
82	MP1C	X	-3.433	2
83	MP1C	Z	1.982	2
84	MP1C	Mx	0	2
85	MP1A	X	-3.145	.5
86	MP1A	Z	1.815	.5
87	MP1A	Mx	.002	.5
88	MP1A	X	-3.145	4
89	MP1A	Z	1.815	4
90	MP1A	Mx	.002	4
91	MP1B	X	-3.145	.5
92	MP1B	Z	1.815	.5
93	MP1B	Mx	-.002	.5
94	MP1B	X	-3.145	4
95	MP1B	Z	1.815	4
96	MP1B	Mx	-.002	4
97	MP1C	X	-2.625	.5
98	MP1C	Z	1.516	.5
99	MP1C	Mx	0	.5
100	MP1C	X	-2.625	4
101	MP1C	Z	1.516	4
102	MP1C	Mx	0	4
103	MP4A	X	-3.145	.5
104	MP4A	Z	1.815	.5
105	MP4A	Mx	.002	.5
106	MP4A	X	-3.145	4
107	MP4A	Z	1.815	4
108	MP4A	Mx	.002	4
109	MP4B	X	-3.145	.5
110	MP4B	Z	1.815	.5
111	MP4B	Mx	-.002	.5
112	MP4B	X	-3.145	4
113	MP4B	Z	1.815	4
114	MP4B	Mx	-.002	4
115	MP4C	X	-2.625	.5
116	MP4C	Z	1.516	.5
117	MP4C	Mx	0	.5
118	MP4C	X	-2.625	4
119	MP4C	Z	1.516	4
120	MP4C	Mx	0	4
121	OVP2	X	-5.686	1
122	OVP2	Z	3.283	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.341	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-6.341	4.5
5	MP2A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.003	4.5
7	MP2B	X	-8.826	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	-8.826	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	.003	4.5
13	MP2C	X	-8.826	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.007	.5
16	MP2C	X	-8.826	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	-.007	4.5
19	MP2A	X	-6.341	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-6.341	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	.003	4.5
25	MP2B	X	-8.826	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.007	.5
28	MP2B	X	-8.826	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	-.007	4.5
31	MP2C	X	-8.826	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	-8.826	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	.003	4.5
37	MP3A	X	-1.95	1
38	MP3A	Z	0	1
39	MP3A	Mx	.000975	1
40	MP3A	X	-1.95	3
41	MP3A	Z	0	3
42	MP3A	Mx	.000975	3
43	MP3B	X	-4.223	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.001	1
46	MP3B	X	-4.223	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.001	3
49	MP3C	X	-4.223	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.001	1
52	MP3C	X	-4.223	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.001	3
55	MP2A	X	-.543	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.000272	4
58	MP2B	X	-.724	4
59	MP2B	Z	0	4
60	MP2B	Mx	.000181	4
61	MP2C	X	-.724	4
62	MP2C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.000181	4
64	OVP1	X	-7.075	1
65	OVP1	Z	0	1
66	OVP1	Mx	0	1
67	MP2A	X	-2.649	2
68	MP2A	Z	0	2
69	MP2A	Mx	-.001	2
70	MP2B	X	-3.635	2
71	MP2B	Z	0	2
72	MP2B	Mx	.000909	2
73	MP2C	X	-3.635	2
74	MP2C	Z	0	2
75	MP2C	Mx	.000909	2
76	MP1A	X	-2.146	2
77	MP1A	Z	0	2
78	MP1A	Mx	-.001	2
79	MP1B	X	-3.509	2
80	MP1B	Z	0	2
81	MP1B	Mx	.000877	2
82	MP1C	X	-3.509	2
83	MP1C	Z	0	2
84	MP1C	Mx	.000877	2
85	MP1A	X	-3.831	.5
86	MP1A	Z	0	.5
87	MP1A	Mx	.003	.5
88	MP1A	X	-3.831	4
89	MP1A	Z	0	4
90	MP1A	Mx	.003	4
91	MP1B	X	-3.231	.5
92	MP1B	Z	0	.5
93	MP1B	Mx	-.001	.5
94	MP1B	X	-3.231	4
95	MP1B	Z	0	4
96	MP1B	Mx	-.001	4
97	MP1C	X	-3.231	.5
98	MP1C	Z	0	.5
99	MP1C	Mx	-.001	.5
100	MP1C	X	-3.231	4
101	MP1C	Z	0	4
102	MP1C	Mx	-.001	4
103	MP4A	X	-3.831	.5
104	MP4A	Z	0	.5
105	MP4A	Mx	.003	.5
106	MP4A	X	-3.831	4
107	MP4A	Z	0	4
108	MP4A	Mx	.003	4
109	MP4B	X	-3.231	.5
110	MP4B	Z	0	.5
111	MP4B	Mx	-.001	.5
112	MP4B	X	-3.231	4
113	MP4B	Z	0	4
114	MP4B	Mx	-.001	4
115	MP4C	X	-3.231	.5
116	MP4C	Z	0	.5
117	MP4C	Mx	-.001	.5
118	MP4C	X	-3.231	4
119	MP4C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mx	-.001	4
121	OVP2	X	-7.075	1
122	OVP2	Z	0	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.209	.5
2	MP2A	Z	-3.585	.5
3	MP2A	Mx	.000714	.5
4	MP2A	X	-6.209	4.5
5	MP2A	Z	-3.585	4.5
6	MP2A	Mx	.000714	4.5
7	MP2B	X	-8.361	.5
8	MP2B	Z	-4.827	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	-8.361	4.5
11	MP2B	Z	-4.827	4.5
12	MP2B	Mx	.006	4.5
13	MP2C	X	-6.209	.5
14	MP2C	Z	-3.585	.5
15	MP2C	Mx	-.005	.5
16	MP2C	X	-6.209	4.5
17	MP2C	Z	-3.585	4.5
18	MP2C	Mx	-.005	4.5
19	MP2A	X	-6.209	.5
20	MP2A	Z	-3.585	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	-6.209	4.5
23	MP2A	Z	-3.585	4.5
24	MP2A	Mx	.005	4.5
25	MP2B	X	-8.361	.5
26	MP2B	Z	-4.827	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	-8.361	4.5
29	MP2B	Z	-4.827	4.5
30	MP2B	Mx	-.006	4.5
31	MP2C	X	-6.209	.5
32	MP2C	Z	-3.585	.5
33	MP2C	Mx	-.000715	.5
34	MP2C	X	-6.209	4.5
35	MP2C	Z	-3.585	4.5
36	MP2C	Mx	-.000715	4.5
37	MP3A	X	-2.345	1
38	MP3A	Z	-1.354	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.345	3
41	MP3A	Z	-1.354	3
42	MP3A	Mx	.001	3
43	MP3B	X	-4.314	1
44	MP3B	Z	-2.491	1
45	MP3B	Mx	0	1
46	MP3B	X	-4.314	3
47	MP3B	Z	-2.491	3
48	MP3B	Mx	0	3
49	MP3C	X	-2.345	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	-1.354	1
51	MP3C	Mx	-.001	1
52	MP3C	X	-2.345	3
53	MP3C	Z	-1.354	3
54	MP3C	Mx	-.001	3
55	MP2A	X	-.522	4
56	MP2A	Z	-.302	4
57	MP2A	Mx	-.000261	4
58	MP2B	X	-.679	4
59	MP2B	Z	-.392	4
60	MP2B	Mx	0	4
61	MP2C	X	-.522	4
62	MP2C	Z	-.302	4
63	MP2C	Mx	.000261	4
64	OVP1	X	-7.011	1
65	OVP1	Z	-4.048	1
66	OVP1	Mx	0	1
67	MP2A	X	-2.579	2
68	MP2A	Z	-1.489	2
69	MP2A	Mx	-.001	2
70	MP2B	X	-3.433	2
71	MP2B	Z	-1.982	2
72	MP2B	Mx	0	2
73	MP2C	X	-2.579	2
74	MP2C	Z	-1.489	2
75	MP2C	Mx	.001	2
76	MP1A	X	-2.252	2
77	MP1A	Z	-1.3	2
78	MP1A	Mx	-.001	2
79	MP1B	X	-3.433	2
80	MP1B	Z	-1.982	2
81	MP1B	Mx	0	2
82	MP1C	X	-2.252	2
83	MP1C	Z	-1.3	2
84	MP1C	Mx	.001	2
85	MP1A	X	-3.145	.5
86	MP1A	Z	-1.815	.5
87	MP1A	Mx	.002	.5
88	MP1A	X	-3.145	4
89	MP1A	Z	-1.815	4
90	MP1A	Mx	.002	4
91	MP1B	X	-2.625	.5
92	MP1B	Z	-1.516	.5
93	MP1B	Mx	0	.5
94	MP1B	X	-2.625	4
95	MP1B	Z	-1.516	4
96	MP1B	Mx	0	4
97	MP1C	X	-3.145	.5
98	MP1C	Z	-1.815	.5
99	MP1C	Mx	-.002	.5
100	MP1C	X	-3.145	4
101	MP1C	Z	-1.815	4
102	MP1C	Mx	-.002	4
103	MP4A	X	-3.145	.5
104	MP4A	Z	-1.815	.5
105	MP4A	Mx	.002	.5
106	MP4A	X	-3.145	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4A	Z	-1.815	4
108	MP4A	Mx	.002	4
109	MP4B	X	-2.625	.5
110	MP4B	Z	-1.516	.5
111	MP4B	Mx	0	.5
112	MP4B	X	-2.625	4
113	MP4B	Z	-1.516	4
114	MP4B	Mx	0	4
115	MP4C	X	-3.145	.5
116	MP4C	Z	-1.815	.5
117	MP4C	Mx	-.002	.5
118	MP4C	X	-3.145	4
119	MP4C	Z	-1.815	4
120	MP4C	Mx	-.002	4
121	OVP2	X	-7.011	1
122	OVP2	Z	-4.048	1
123	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.413	.5
2	MP2A	Z	-7.644	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	-4.413	4.5
5	MP2A	Z	-7.644	4.5
6	MP2A	Mx	-.003	4.5
7	MP2B	X	-4.413	.5
8	MP2B	Z	-7.644	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	-4.413	4.5
11	MP2B	Z	-7.644	4.5
12	MP2B	Mx	.007	4.5
13	MP2C	X	-3.171	.5
14	MP2C	Z	-5.492	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	-3.171	4.5
17	MP2C	Z	-5.492	4.5
18	MP2C	Mx	-.003	4.5
19	MP2A	X	-4.413	.5
20	MP2A	Z	-7.644	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	-4.413	4.5
23	MP2A	Z	-7.644	4.5
24	MP2A	Mx	.007	4.5
25	MP2B	X	-4.413	.5
26	MP2B	Z	-7.644	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	-4.413	4.5
29	MP2B	Z	-7.644	4.5
30	MP2B	Mx	-.003	4.5
31	MP2C	X	-3.171	.5
32	MP2C	Z	-5.492	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-3.171	4.5
35	MP2C	Z	-5.492	4.5
36	MP2C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-2.112	1
38	MP3A	Z	-3.657	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.112	3
41	MP3A	Z	-3.657	3
42	MP3A	Mx	.001	3
43	MP3B	X	-2.112	1
44	MP3B	Z	-3.657	1
45	MP3B	Mx	.001	1
46	MP3B	X	-2.112	3
47	MP3B	Z	-3.657	3
48	MP3B	Mx	.001	3
49	MP3C	X	-.975	1
50	MP3C	Z	-1.689	1
51	MP3C	Mx	-.000975	1
52	MP3C	X	-.975	3
53	MP3C	Z	-1.689	3
54	MP3C	Mx	-.000975	3
55	MP2A	X	-.362	4
56	MP2A	Z	-.627	4
57	MP2A	Mx	-.000181	4
58	MP2B	X	-.362	4
59	MP2B	Z	-.627	4
60	MP2B	Mx	-.000181	4
61	MP2C	X	-.271	4
62	MP2C	Z	-.47	4
63	MP2C	Mx	.000271	4
64	OVP1	X	-4.303	1
65	OVP1	Z	-7.453	1
66	OVP1	Mx	0	1
67	MP2A	X	-1.818	2
68	MP2A	Z	-3.148	2
69	MP2A	Mx	-.000909	2
70	MP2B	X	-1.818	2
71	MP2B	Z	-3.148	2
72	MP2B	Mx	-.000909	2
73	MP2C	X	-1.325	2
74	MP2C	Z	-2.295	2
75	MP2C	Mx	.001	2
76	MP1A	X	-1.755	2
77	MP1A	Z	-3.039	2
78	MP1A	Mx	-.000877	2
79	MP1B	X	-1.755	2
80	MP1B	Z	-3.039	2
81	MP1B	Mx	-.000877	2
82	MP1C	X	-1.073	2
83	MP1C	Z	-1.859	2
84	MP1C	Mx	.001	2
85	MP1A	X	-1.615	.5
86	MP1A	Z	-2.798	.5
87	MP1A	Mx	.001	.5
88	MP1A	X	-1.615	4
89	MP1A	Z	-2.798	4
90	MP1A	Mx	.001	4
91	MP1B	X	-1.615	.5
92	MP1B	Z	-2.798	.5
93	MP1B	Mx	.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1B	X	-1.615	4
95	MP1B	Z	-2.798	4
96	MP1B	Mx	.001	4
97	MP1C	X	-1.915	.5
98	MP1C	Z	-3.318	.5
99	MP1C	Mx	-.003	.5
100	MP1C	X	-1.915	4
101	MP1C	Z	-3.318	4
102	MP1C	Mx	-.003	4
103	MP4A	X	-1.615	.5
104	MP4A	Z	-2.798	.5
105	MP4A	Mx	.001	.5
106	MP4A	X	-1.615	4
107	MP4A	Z	-2.798	4
108	MP4A	Mx	.001	4
109	MP4B	X	-1.615	.5
110	MP4B	Z	-2.798	.5
111	MP4B	Mx	.001	.5
112	MP4B	X	-1.615	4
113	MP4B	Z	-2.798	4
114	MP4B	Mx	.001	4
115	MP4C	X	-1.915	.5
116	MP4C	Z	-3.318	.5
117	MP4C	Mx	-.003	.5
118	MP4C	X	-1.915	4
119	MP4C	Z	-3.318	4
120	MP4C	Mx	-.003	4
121	OVP2	X	-4.303	1
122	OVP2	Z	-7.453	1
123	OVP2	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M18	Y	-500	%23.146

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M18	Y	-500	%51.862

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M18	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M18	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-1.438	.5
2	MP2A	My	-.000719	.5
3	MP2A	Mz	.000959	.5
4	MP2A	Y	-1.438	4.5
5	MP2A	My	-.000719	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mz	.000959	4.5
7	MP2B	Y	-1.438	.5
8	MP2B	My	-.000471	.5
9	MP2B	Mz	-.001	.5
10	MP2B	Y	-1.438	4.5
11	MP2B	My	-.000471	4.5
12	MP2B	Mz	-.001	4.5
13	MP2C	Y	-1.438	.5
14	MP2C	My	.001	.5
15	MP2C	Mz	.000143	.5
16	MP2C	Y	-1.438	4.5
17	MP2C	My	.001	4.5
18	MP2C	Mz	.000143	4.5
19	MP2A	Y	-1.438	.5
20	MP2A	My	-.000719	.5
21	MP2A	Mz	-.000959	.5
22	MP2A	Y	-1.438	4.5
23	MP2A	My	-.000719	4.5
24	MP2A	Mz	-.000959	4.5
25	MP2B	Y	-1.438	.5
26	MP2B	My	.001	.5
27	MP2B	Mz	-.000143	.5
28	MP2B	Y	-1.438	4.5
29	MP2B	My	.001	4.5
30	MP2B	Mz	-.000143	4.5
31	MP2C	Y	-1.438	.5
32	MP2C	My	-.000471	.5
33	MP2C	Mz	.001	.5
34	MP2C	Y	-1.438	4.5
35	MP2C	My	-.000471	4.5
36	MP2C	Mz	.001	4.5
37	MP3A	Y	-1.979	1
38	MP3A	My	-.000989	1
39	MP3A	Mz	0	1
40	MP3A	Y	-1.979	3
41	MP3A	My	-.000989	3
42	MP3A	Mz	0	3
43	MP3B	Y	-1.979	1
44	MP3B	My	.000495	1
45	MP3B	Mz	-.000857	1
46	MP3B	Y	-1.979	3
47	MP3B	My	.000495	3
48	MP3B	Mz	-.000857	3
49	MP3C	Y	-1.979	1
50	MP3C	My	.000495	1
51	MP3C	Mz	.000857	1
52	MP3C	Y	-1.979	3
53	MP3C	My	.000495	3
54	MP3C	Mz	.000857	3
55	MP2A	Y	-.473	4
56	MP2A	My	.000236	4
57	MP2A	Mz	0	4
58	MP2B	Y	-.473	4
59	MP2B	My	-.000118	4
60	MP2B	Mz	.000205	4
61	MP2C	Y	-.473	4
62	MP2C	My	-.000118	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mz	-.000205	4
64	OVP1	Y	-1.454	1
65	OVP1	My	0	1
66	OVP1	Mz	0	1
67	MP2A	Y	-3.835	2
68	MP2A	My	.002	2
69	MP2A	Mz	0	2
70	MP2B	Y	-3.835	2
71	MP2B	My	-.000959	2
72	MP2B	Mz	.002	2
73	MP2C	Y	-3.835	2
74	MP2C	My	-.000959	2
75	MP2C	Mz	-.002	2
76	MP1A	Y	-3.194	2
77	MP1A	My	.002	2
78	MP1A	Mz	0	2
79	MP1B	Y	-3.194	2
80	MP1B	My	-.000799	2
81	MP1B	Mz	.001	2
82	MP1C	Y	-3.194	2
83	MP1C	My	-.000799	2
84	MP1C	Mz	-.001	2
85	MP1A	Y	-.143	.5
86	MP1A	My	-.000107	.5
87	MP1A	Mz	0	.5
88	MP1A	Y	-.143	4
89	MP1A	My	-.000107	4
90	MP1A	Mz	0	4
91	MP1B	Y	-.143	.5
92	MP1B	My	5.4e-5	.5
93	MP1B	Mz	-9.3e-5	.5
94	MP1B	Y	-.143	4
95	MP1B	My	5.4e-5	4
96	MP1B	Mz	-9.3e-5	4
97	MP1C	Y	-.143	.5
98	MP1C	My	5.4e-5	.5
99	MP1C	Mz	9.3e-5	.5
100	MP1C	Y	-.143	4
101	MP1C	My	5.4e-5	4
102	MP1C	Mz	9.3e-5	4
103	MP4A	Y	-.143	.5
104	MP4A	My	-.000107	.5
105	MP4A	Mz	0	.5
106	MP4A	Y	-.143	4
107	MP4A	My	-.000107	4
108	MP4A	Mz	0	4
109	MP4B	Y	-.143	.5
110	MP4B	My	5.4e-5	.5
111	MP4B	Mz	-9.3e-5	.5
112	MP4B	Y	-.143	4
113	MP4B	My	5.4e-5	4
114	MP4B	Mz	-9.3e-5	4
115	MP4C	Y	-.143	.5
116	MP4C	My	5.4e-5	.5
117	MP4C	Mz	9.3e-5	.5
118	MP4C	Y	-.143	4
119	MP4C	My	5.4e-5	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mz	9.3e-5	4
121	OVP2	Y	-1.454	1
122	OVP2	My	0	1
123	OVP2	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-3.595	.5
2	MP2A	Mx	-.002	.5
3	MP2A	Z	-3.595	4.5
4	MP2A	Mx	-.002	4.5
5	MP2B	Z	-3.595	.5
6	MP2B	Mx	.003	.5
7	MP2B	Z	-3.595	4.5
8	MP2B	Mx	.003	4.5
9	MP2C	Z	-3.595	.5
10	MP2C	Mx	-.000358	.5
11	MP2C	Z	-3.595	4.5
12	MP2C	Mx	-.000358	4.5
13	MP2A	Z	-3.595	.5
14	MP2A	Mx	.002	.5
15	MP2A	Z	-3.595	4.5
16	MP2A	Mx	.002	4.5
17	MP2B	Z	-3.595	.5
18	MP2B	Mx	.000358	.5
19	MP2B	Z	-3.595	4.5
20	MP2B	Mx	.000358	4.5
21	MP2C	Z	-3.595	.5
22	MP2C	Mx	-.003	.5
23	MP2C	Z	-3.595	4.5
24	MP2C	Mx	-.003	4.5
25	MP3A	Z	-4.947	1
26	MP3A	Mx	0	1
27	MP3A	Z	-4.947	3
28	MP3A	Mx	0	3
29	MP3B	Z	-4.947	1
30	MP3B	Mx	.002	1
31	MP3B	Z	-4.947	3
32	MP3B	Mx	.002	3
33	MP3C	Z	-4.947	1
34	MP3C	Mx	-.002	1
35	MP3C	Z	-4.947	3
36	MP3C	Mx	-.002	3
37	MP2A	Z	-1.181	4
38	MP2A	Mx	0	4
39	MP2B	Z	-1.181	4
40	MP2B	Mx	-.000512	4
41	MP2C	Z	-1.181	4
42	MP2C	Mx	.000512	4
43	OVP1	Z	-3.635	1
44	OVP1	Mx	0	1
45	MP2A	Z	-9.588	2
46	MP2A	Mx	0	2
47	MP2B	Z	-9.588	2
48	MP2B	Mx	-.004	2
49	MP2C	Z	-9.588	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Mx	.004	2
51	MP1A	Z	-7.986	2
52	MP1A	Mx	0	2
53	MP1B	Z	-7.986	2
54	MP1B	Mx	-.003	2
55	MP1C	Z	-7.986	2
56	MP1C	Mx	.003	2
57	MP1A	Z	-.358	.5
58	MP1A	Mx	0	.5
59	MP1A	Z	-.358	4
60	MP1A	Mx	0	4
61	MP1B	Z	-.358	.5
62	MP1B	Mx	.000232	.5
63	MP1B	Z	-.358	4
64	MP1B	Mx	.000232	4
65	MP1C	Z	-.358	.5
66	MP1C	Mx	-.000232	.5
67	MP1C	Z	-.358	4
68	MP1C	Mx	-.000232	4
69	MP4A	Z	-.358	.5
70	MP4A	Mx	0	.5
71	MP4A	Z	-.358	4
72	MP4A	Mx	0	4
73	MP4B	Z	-.358	.5
74	MP4B	Mx	.000232	.5
75	MP4B	Z	-.358	4
76	MP4B	Mx	.000232	4
77	MP4C	Z	-.358	.5
78	MP4C	Mx	-.000232	.5
79	MP4C	Z	-.358	4
80	MP4C	Mx	-.000232	4
81	OVP2	Z	-3.635	1
82	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.595	.5
2	MP2A	Mx	-.002	.5
3	MP2A	X	3.595	4.5
4	MP2A	Mx	-.002	4.5
5	MP2B	X	3.595	.5
6	MP2B	Mx	-.001	.5
7	MP2B	X	3.595	4.5
8	MP2B	Mx	-.001	4.5
9	MP2C	X	3.595	.5
10	MP2C	Mx	.003	.5
11	MP2C	X	3.595	4.5
12	MP2C	Mx	.003	4.5
13	MP2A	X	3.595	.5
14	MP2A	Mx	-.002	.5
15	MP2A	X	3.595	4.5
16	MP2A	Mx	-.002	4.5
17	MP2B	X	3.595	.5
18	MP2B	Mx	.003	.5
19	MP2B	X	3.595	4.5
20	MP2B	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2C	X	3.595	.5
22	MP2C	Mx	-.001	.5
23	MP2C	X	3.595	4.5
24	MP2C	Mx	-.001	4.5
25	MP3A	X	4.947	1
26	MP3A	Mx	-.002	1
27	MP3A	X	4.947	3
28	MP3A	Mx	-.002	3
29	MP3B	X	4.947	1
30	MP3B	Mx	.001	1
31	MP3B	X	4.947	3
32	MP3B	Mx	.001	3
33	MP3C	X	4.947	1
34	MP3C	Mx	.001	1
35	MP3C	X	4.947	3
36	MP3C	Mx	.001	3
37	MP2A	X	1.181	4
38	MP2A	Mx	.000591	4
39	MP2B	X	1.181	4
40	MP2B	Mx	-.000295	4
41	MP2C	X	1.181	4
42	MP2C	Mx	-.000295	4
43	OVP1	X	3.635	1
44	OVP1	Mx	0	1
45	MP2A	X	9.588	2
46	MP2A	Mx	.005	2
47	MP2B	X	9.588	2
48	MP2B	Mx	-.002	2
49	MP2C	X	9.588	2
50	MP2C	Mx	-.002	2
51	MP1A	X	7.986	2
52	MP1A	Mx	.004	2
53	MP1B	X	7.986	2
54	MP1B	Mx	-.002	2
55	MP1C	X	7.986	2
56	MP1C	Mx	-.002	2
57	MP1A	X	.358	.5
58	MP1A	Mx	-.000268	.5
59	MP1A	X	.358	4
60	MP1A	Mx	-.000268	4
61	MP1B	X	.358	.5
62	MP1B	Mx	.000134	.5
63	MP1B	X	.358	4
64	MP1B	Mx	.000134	4
65	MP1C	X	.358	.5
66	MP1C	Mx	.000134	.5
67	MP1C	X	.358	4
68	MP1C	Mx	.000134	4
69	MP4A	X	.358	.5
70	MP4A	Mx	-.000268	.5
71	MP4A	X	.358	4
72	MP4A	Mx	-.000268	4
73	MP4B	X	.358	.5
74	MP4B	Mx	.000134	.5
75	MP4B	X	.358	4
76	MP4B	Mx	.000134	4
77	MP4C	X	.358	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4C	Mx	.000134	.5
79	MP4C	X	.358	4
80	MP4C	Mx	.000134	4
81	OVP2	X	3.635	1
82	OVP2	Mx	0	1

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.625	-9.625	0	%100
2	M2	Y	-10.624	-10.624	0	%100
3	M5	Y	-10.11	-10.11	0	%100
4	M6	Y	-10.11	-10.11	0	%100
5	M7	Y	-10.11	-10.11	0	%100
6	M6A	Y	-7.627	-7.627	0	%100
7	MP1A	Y	-4.989	-4.989	0	%100
8	M23A	Y	-7.627	-7.627	0	%100
9	M38	Y	-9.625	-9.625	0	%100
10	M39A	Y	-7.627	-7.627	0	%100
11	M54	Y	-9.625	-9.625	0	%100
12	M55	Y	-10.624	-10.624	0	%100
13	M56	Y	-10.624	-10.624	0	%100
14	M18	Y	-7.627	-7.627	0	%100
15	M19A	Y	-7.627	-7.627	0	%100
16	M20	Y	-7.627	-7.627	0	%100
17	MP2A	Y	-4.989	-4.989	0	%100
18	MP3A	Y	-4.989	-4.989	0	%100
19	MP4A	Y	-4.989	-4.989	0	%100
20	MP1C	Y	-4.989	-4.989	0	%100
21	MP2C	Y	-4.989	-4.989	0	%100
22	MP3C	Y	-4.989	-4.989	0	%100
23	MP4C	Y	-4.989	-4.989	0	%100
24	MP1B	Y	-4.989	-4.989	0	%100
25	MP2B	Y	-4.989	-4.989	0	%100
26	MP3B	Y	-4.989	-4.989	0	%100
27	MP4B	Y	-4.989	-4.989	0	%100
28	OVP1	Y	-4.989	-4.989	0	%100
29	OVP2	Y	-4.989	-4.989	0	%100
30	M45	Y	-5.695	-5.695	0	%100
31	M52	Y	-5.695	-5.695	0	%100
32	M59	Y	-5.695	-5.695	0	%100
33	M65	Y	-7.627	-7.627	0	%100
34	M66	Y	-7.627	-7.627	0	%100
35	M67	Y	-7.627	-7.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-10.527	-10.527	0	%100
9	M7	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M7	Z	-10.527	-10.527	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-16.957	-16.957	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-8.054	-8.054	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-4.239	-4.239	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	-7.268	-7.268	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-4.239	-4.239	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	-7.268	-7.268	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-9.385	-9.385	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-9.385	-9.385	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-16.957	-16.957	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	-4.239	-4.239	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-4.239	-4.239	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-8.054	-8.054	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-8.054	-8.054	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-8.054	-8.054	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	-8.054	-8.054	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-8.054	-8.054	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-8.054	-8.054	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	-8.054	-8.054	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	-8.054	-8.054	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-8.054	-8.054	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-8.054	-8.054	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-8.054	-8.054	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	-6.775	-6.775	0	%100
57	OVP2	X	0	0	0	%100
58	OVP2	Z	-6.775	-6.775	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	-9.75	-9.75	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	-2.438	-2.438	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-2.438	-2.438	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	-2.953	-2.953	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M66	X	0	0	0	%100
68	M66	Z	-2.953	-2.953	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	-11.811	-11.811	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.211	1.211	0	%100
2	M1	Z	-2.098	-2.098	0	%100
3	M2	X	1.564	1.564	0	%100
4	M2	Z	-2.709	-2.709	0	%100
5	M5	X	1.755	1.755	0	%100
6	M5	Z	-3.039	-3.039	0	%100
7	M6	X	1.755	1.755	0	%100
8	M6	Z	-3.039	-3.039	0	%100
9	M7	X	7.018	7.018	0	%100
10	M7	Z	-12.156	-12.156	0	%100
11	M6A	X	6.359	6.359	0	%100
12	M6A	Z	-11.014	-11.014	0	%100
13	MP1A	X	4.027	4.027	0	%100
14	MP1A	Z	-6.975	-6.975	0	%100
15	M23A	X	6.359	6.359	0	%100
16	M23A	Z	-11.014	-11.014	0	%100
17	M38	X	1.211	1.211	0	%100
18	M38	Z	-2.098	-2.098	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	4.845	4.845	0	%100
22	M54	Z	-8.392	-8.392	0	%100
23	M55	X	1.564	1.564	0	%100
24	M55	Z	-2.709	-2.709	0	%100
25	M56	X	6.257	6.257	0	%100
26	M56	Z	-10.837	-10.837	0	%100
27	M18	X	6.359	6.359	0	%100
28	M18	Z	-11.014	-11.014	0	%100
29	M19A	X	6.359	6.359	0	%100
30	M19A	Z	-11.014	-11.014	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	4.027	4.027	0	%100
34	MP2A	Z	-6.975	-6.975	0	%100
35	MP3A	X	4.027	4.027	0	%100
36	MP3A	Z	-6.975	-6.975	0	%100
37	MP4A	X	4.027	4.027	0	%100
38	MP4A	Z	-6.975	-6.975	0	%100
39	MP1C	X	4.027	4.027	0	%100
40	MP1C	Z	-6.975	-6.975	0	%100
41	MP2C	X	4.027	4.027	0	%100
42	MP2C	Z	-6.975	-6.975	0	%100
43	MP3C	X	4.027	4.027	0	%100
44	MP3C	Z	-6.975	-6.975	0	%100
45	MP4C	X	4.027	4.027	0	%100
46	MP4C	Z	-6.975	-6.975	0	%100
47	MP1B	X	4.027	4.027	0	%100
48	MP1B	Z	-6.975	-6.975	0	%100
49	MP2B	X	4.027	4.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	MP2B	Z	-6.975	-6.975	0	%100
51	MP3B	X	4.027	4.027	0	%100
52	MP3B	Z	-6.975	-6.975	0	%100
53	MP4B	X	4.027	4.027	0	%100
54	MP4B	Z	-6.975	-6.975	0	%100
55	OVP1	X	3.387	3.387	0	%100
56	OVP1	Z	-5.867	-5.867	0	%100
57	OVP2	X	3.387	3.387	0	%100
58	OVP2	Z	-5.867	-5.867	0	%100
59	M45	X	3.656	3.656	0	%100
60	M45	Z	-6.333	-6.333	0	%100
61	M52	X	3.656	3.656	0	%100
62	M52	Z	-6.333	-6.333	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	4.429	4.429	0	%100
66	M65	Z	-7.672	-7.672	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	4.429	4.429	0	%100
70	M67	Z	-7.672	-7.672	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	6.294	6.294	0	%100
2	M1	Z	-3.634	-3.634	0	%100
3	M2	X	8.128	8.128	0	%100
4	M2	Z	-4.693	-4.693	0	%100
5	M5	X	9.117	9.117	0	%100
6	M5	Z	-5.264	-5.264	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	9.117	9.117	0	%100
10	M7	Z	-5.264	-5.264	0	%100
11	M6A	X	3.671	3.671	0	%100
12	M6A	Z	-2.12	-2.12	0	%100
13	MP1A	X	6.975	6.975	0	%100
14	MP1A	Z	-4.027	-4.027	0	%100
15	M23A	X	14.685	14.685	0	%100
16	M23A	Z	-8.478	-8.478	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	3.671	3.671	0	%100
20	M39A	Z	-2.12	-2.12	0	%100
21	M54	X	6.294	6.294	0	%100
22	M54	Z	-3.634	-3.634	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	8.128	8.128	0	%100
26	M56	Z	-4.693	-4.693	0	%100
27	M18	X	3.671	3.671	0	%100
28	M18	Z	-2.12	-2.12	0	%100
29	M19A	X	14.685	14.685	0	%100
30	M19A	Z	-8.478	-8.478	0	%100
31	M20	X	3.671	3.671	0	%100
32	M20	Z	-2.12	-2.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP2A	X	6.975	6.975	0	%100
34	MP2A	Z	-4.027	-4.027	0	%100
35	MP3A	X	6.975	6.975	0	%100
36	MP3A	Z	-4.027	-4.027	0	%100
37	MP4A	X	6.975	6.975	0	%100
38	MP4A	Z	-4.027	-4.027	0	%100
39	MP1C	X	6.975	6.975	0	%100
40	MP1C	Z	-4.027	-4.027	0	%100
41	MP2C	X	6.975	6.975	0	%100
42	MP2C	Z	-4.027	-4.027	0	%100
43	MP3C	X	6.975	6.975	0	%100
44	MP3C	Z	-4.027	-4.027	0	%100
45	MP4C	X	6.975	6.975	0	%100
46	MP4C	Z	-4.027	-4.027	0	%100
47	MP1B	X	6.975	6.975	0	%100
48	MP1B	Z	-4.027	-4.027	0	%100
49	MP2B	X	6.975	6.975	0	%100
50	MP2B	Z	-4.027	-4.027	0	%100
51	MP3B	X	6.975	6.975	0	%100
52	MP3B	Z	-4.027	-4.027	0	%100
53	MP4B	X	6.975	6.975	0	%100
54	MP4B	Z	-4.027	-4.027	0	%100
55	OVP1	X	5.867	5.867	0	%100
56	OVP1	Z	-3.387	-3.387	0	%100
57	OVP2	X	5.867	5.867	0	%100
58	OVP2	Z	-3.387	-3.387	0	%100
59	M45	X	2.111	2.111	0	%100
60	M45	Z	-1.219	-1.219	0	%100
61	M52	X	8.444	8.444	0	%100
62	M52	Z	-4.875	-4.875	0	%100
63	M59	X	2.111	2.111	0	%100
64	M59	Z	-1.219	-1.219	0	%100
65	M65	X	10.229	10.229	0	%100
66	M65	Z	-5.906	-5.906	0	%100
67	M66	X	2.557	2.557	0	%100
68	M66	Z	-1.476	-1.476	0	%100
69	M67	X	2.557	2.557	0	%100
70	M67	Z	-1.476	-1.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	9.691	9.691	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	12.513	12.513	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	14.036	14.036	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	3.509	3.509	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	3.509	3.509	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	MP1A	X	8.054	8.054	0	%100
14	MP1A	Z	0	0	0	%100
15	M23A	X	12.717	12.717	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M23A	Z	0	0	0	%100
17	M38	X	2.423	2.423	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	12.717	12.717	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	2.423	2.423	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	3.128	3.128	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	3.128	3.128	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19A	X	12.717	12.717	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	12.717	12.717	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	8.054	8.054	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	8.054	8.054	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	8.054	8.054	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	8.054	8.054	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	8.054	8.054	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	8.054	8.054	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	8.054	8.054	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	8.054	8.054	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	8.054	8.054	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	8.054	8.054	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	8.054	8.054	0	%100
54	MP4B	Z	0	0	0	%100
55	OVP1	X	6.775	6.775	0	%100
56	OVP1	Z	0	0	0	%100
57	OVP2	X	6.775	6.775	0	%100
58	OVP2	Z	0	0	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	0	0	0	%100
61	M52	X	7.313	7.313	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	7.313	7.313	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	8.859	8.859	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	8.859	8.859	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	6.294	6.294	0	%100
2	M1	Z	3.634	3.634	0	%100
3	M2	X	8.128	8.128	0	%100
4	M2	Z	4.693	4.693	0	%100
5	M5	X	9.117	9.117	0	%100
6	M5	Z	5.264	5.264	0	%100
7	M6	X	9.117	9.117	0	%100
8	M6	Z	5.264	5.264	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	3.671	3.671	0	%100
12	M6A	Z	2.12	2.12	0	%100
13	MP1A	X	6.975	6.975	0	%100
14	MP1A	Z	4.027	4.027	0	%100
15	M23A	X	3.671	3.671	0	%100
16	M23A	Z	2.12	2.12	0	%100
17	M38	X	6.294	6.294	0	%100
18	M38	Z	3.634	3.634	0	%100
19	M39A	X	14.685	14.685	0	%100
20	M39A	Z	8.478	8.478	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	8.128	8.128	0	%100
24	M55	Z	4.693	4.693	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	3.671	3.671	0	%100
28	M18	Z	2.12	2.12	0	%100
29	M19A	X	3.671	3.671	0	%100
30	M19A	Z	2.12	2.12	0	%100
31	M20	X	14.685	14.685	0	%100
32	M20	Z	8.478	8.478	0	%100
33	MP2A	X	6.975	6.975	0	%100
34	MP2A	Z	4.027	4.027	0	%100
35	MP3A	X	6.975	6.975	0	%100
36	MP3A	Z	4.027	4.027	0	%100
37	MP4A	X	6.975	6.975	0	%100
38	MP4A	Z	4.027	4.027	0	%100
39	MP1C	X	6.975	6.975	0	%100
40	MP1C	Z	4.027	4.027	0	%100
41	MP2C	X	6.975	6.975	0	%100
42	MP2C	Z	4.027	4.027	0	%100
43	MP3C	X	6.975	6.975	0	%100
44	MP3C	Z	4.027	4.027	0	%100
45	MP4C	X	6.975	6.975	0	%100
46	MP4C	Z	4.027	4.027	0	%100
47	MP1B	X	6.975	6.975	0	%100
48	MP1B	Z	4.027	4.027	0	%100
49	MP2B	X	6.975	6.975	0	%100
50	MP2B	Z	4.027	4.027	0	%100
51	MP3B	X	6.975	6.975	0	%100
52	MP3B	Z	4.027	4.027	0	%100
53	MP4B	X	6.975	6.975	0	%100
54	MP4B	Z	4.027	4.027	0	%100
55	OVP1	X	5.867	5.867	0	%100
56	OVP1	Z	3.387	3.387	0	%100
57	OVP2	X	5.867	5.867	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	OVP2	Z	3.387	3.387	0	%100
59	M45	X	2.111	2.111	0	%100
60	M45	Z	1.219	1.219	0	%100
61	M52	X	2.111	2.111	0	%100
62	M52	Z	1.219	1.219	0	%100
63	M59	X	8.444	8.444	0	%100
64	M59	Z	4.875	4.875	0	%100
65	M65	X	2.557	2.557	0	%100
66	M65	Z	1.476	1.476	0	%100
67	M66	X	10.229	10.229	0	%100
68	M66	Z	5.906	5.906	0	%100
69	M67	X	2.557	2.557	0	%100
70	M67	Z	1.476	1.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.211	1.211	0	%100
2	M1	Z	2.098	2.098	0	%100
3	M2	X	1.564	1.564	0	%100
4	M2	Z	2.709	2.709	0	%100
5	M5	X	1.755	1.755	0	%100
6	M5	Z	3.039	3.039	0	%100
7	M6	X	7.018	7.018	0	%100
8	M6	Z	12.156	12.156	0	%100
9	M7	X	1.755	1.755	0	%100
10	M7	Z	3.039	3.039	0	%100
11	M6A	X	6.359	6.359	0	%100
12	M6A	Z	11.014	11.014	0	%100
13	MP1A	X	4.027	4.027	0	%100
14	MP1A	Z	6.975	6.975	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	4.845	4.845	0	%100
18	M38	Z	8.392	8.392	0	%100
19	M39A	X	6.359	6.359	0	%100
20	M39A	Z	11.014	11.014	0	%100
21	M54	X	1.211	1.211	0	%100
22	M54	Z	2.098	2.098	0	%100
23	M55	X	6.257	6.257	0	%100
24	M55	Z	10.837	10.837	0	%100
25	M56	X	1.564	1.564	0	%100
26	M56	Z	2.709	2.709	0	%100
27	M18	X	6.359	6.359	0	%100
28	M18	Z	11.014	11.014	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	6.359	6.359	0	%100
32	M20	Z	11.014	11.014	0	%100
33	MP2A	X	4.027	4.027	0	%100
34	MP2A	Z	6.975	6.975	0	%100
35	MP3A	X	4.027	4.027	0	%100
36	MP3A	Z	6.975	6.975	0	%100
37	MP4A	X	4.027	4.027	0	%100
38	MP4A	Z	6.975	6.975	0	%100
39	MP1C	X	4.027	4.027	0	%100
40	MP1C	Z	6.975	6.975	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP2C	X	4.027	4.027	0	%100
42	MP2C	Z	6.975	6.975	0	%100
43	MP3C	X	4.027	4.027	0	%100
44	MP3C	Z	6.975	6.975	0	%100
45	MP4C	X	4.027	4.027	0	%100
46	MP4C	Z	6.975	6.975	0	%100
47	MP1B	X	4.027	4.027	0	%100
48	MP1B	Z	6.975	6.975	0	%100
49	MP2B	X	4.027	4.027	0	%100
50	MP2B	Z	6.975	6.975	0	%100
51	MP3B	X	4.027	4.027	0	%100
52	MP3B	Z	6.975	6.975	0	%100
53	MP4B	X	4.027	4.027	0	%100
54	MP4B	Z	6.975	6.975	0	%100
55	OVP1	X	3.387	3.387	0	%100
56	OVP1	Z	5.867	5.867	0	%100
57	OVP2	X	3.387	3.387	0	%100
58	OVP2	Z	5.867	5.867	0	%100
59	M45	X	3.656	3.656	0	%100
60	M45	Z	6.333	6.333	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	3.656	3.656	0	%100
64	M59	Z	6.333	6.333	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	4.429	4.429	0	%100
68	M66	Z	7.672	7.672	0	%100
69	M67	X	4.429	4.429	0	%100
70	M67	Z	7.672	7.672	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	10.527	10.527	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	10.527	10.527	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	16.957	16.957	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	8.054	8.054	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	4.239	4.239	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	7.268	7.268	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	4.239	4.239	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	7.268	7.268	0	%100
23	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M55	Z	9.385	9.385	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	9.385	9.385	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	16.957	16.957	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	4.239	4.239	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	4.239	4.239	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	8.054	8.054	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	8.054	8.054	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	8.054	8.054	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	8.054	8.054	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	8.054	8.054	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	8.054	8.054	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	8.054	8.054	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	8.054	8.054	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	8.054	8.054	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	8.054	8.054	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	8.054	8.054	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	6.775	6.775	0	%100
57	OVP2	X	0	0	0	%100
58	OVP2	Z	6.775	6.775	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	9.75	9.75	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	2.438	2.438	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	2.438	2.438	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	2.953	2.953	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	2.953	2.953	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	11.811	11.811	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.211	-1.211	0	%100
2	M1	Z	2.098	2.098	0	%100
3	M2	X	-1.564	-1.564	0	%100
4	M2	Z	2.709	2.709	0	%100
5	M5	X	-1.755	-1.755	0	%100
6	M5	Z	3.039	3.039	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M6	X	-1.755	-1.755	0	%100
8	M6	Z	3.039	3.039	0	%100
9	M7	X	-7.018	-7.018	0	%100
10	M7	Z	12.156	12.156	0	%100
11	M6A	X	-6.359	-6.359	0	%100
12	M6A	Z	11.014	11.014	0	%100
13	MP1A	X	-4.027	-4.027	0	%100
14	MP1A	Z	6.975	6.975	0	%100
15	M23A	X	-6.359	-6.359	0	%100
16	M23A	Z	11.014	11.014	0	%100
17	M38	X	-1.211	-1.211	0	%100
18	M38	Z	2.098	2.098	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	-4.845	-4.845	0	%100
22	M54	Z	8.392	8.392	0	%100
23	M55	X	-1.564	-1.564	0	%100
24	M55	Z	2.709	2.709	0	%100
25	M56	X	-6.257	-6.257	0	%100
26	M56	Z	10.837	10.837	0	%100
27	M18	X	-6.359	-6.359	0	%100
28	M18	Z	11.014	11.014	0	%100
29	M19A	X	-6.359	-6.359	0	%100
30	M19A	Z	11.014	11.014	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	-4.027	-4.027	0	%100
34	MP2A	Z	6.975	6.975	0	%100
35	MP3A	X	-4.027	-4.027	0	%100
36	MP3A	Z	6.975	6.975	0	%100
37	MP4A	X	-4.027	-4.027	0	%100
38	MP4A	Z	6.975	6.975	0	%100
39	MP1C	X	-4.027	-4.027	0	%100
40	MP1C	Z	6.975	6.975	0	%100
41	MP2C	X	-4.027	-4.027	0	%100
42	MP2C	Z	6.975	6.975	0	%100
43	MP3C	X	-4.027	-4.027	0	%100
44	MP3C	Z	6.975	6.975	0	%100
45	MP4C	X	-4.027	-4.027	0	%100
46	MP4C	Z	6.975	6.975	0	%100
47	MP1B	X	-4.027	-4.027	0	%100
48	MP1B	Z	6.975	6.975	0	%100
49	MP2B	X	-4.027	-4.027	0	%100
50	MP2B	Z	6.975	6.975	0	%100
51	MP3B	X	-4.027	-4.027	0	%100
52	MP3B	Z	6.975	6.975	0	%100
53	MP4B	X	-4.027	-4.027	0	%100
54	MP4B	Z	6.975	6.975	0	%100
55	OVP1	X	-3.387	-3.387	0	%100
56	OVP1	Z	5.867	5.867	0	%100
57	OVP2	X	-3.387	-3.387	0	%100
58	OVP2	Z	5.867	5.867	0	%100
59	M45	X	-3.656	-3.656	0	%100
60	M45	Z	6.333	6.333	0	%100
61	M52	X	-3.656	-3.656	0	%100
62	M52	Z	6.333	6.333	0	%100
63	M59	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M59	Z	0	0	0	%100
65	M65	X	-4.429	-4.429	0	%100
66	M65	Z	7.672	7.672	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	-4.429	-4.429	0	%100
70	M67	Z	7.672	7.672	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-6.294	-6.294	0	%100
2	M1	Z	3.634	3.634	0	%100
3	M2	X	-8.128	-8.128	0	%100
4	M2	Z	4.693	4.693	0	%100
5	M5	X	-9.117	-9.117	0	%100
6	M5	Z	5.264	5.264	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-9.117	-9.117	0	%100
10	M7	Z	5.264	5.264	0	%100
11	M6A	X	-3.671	-3.671	0	%100
12	M6A	Z	2.12	2.12	0	%100
13	MP1A	X	-6.975	-6.975	0	%100
14	MP1A	Z	4.027	4.027	0	%100
15	M23A	X	-14.685	-14.685	0	%100
16	M23A	Z	8.478	8.478	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	-3.671	-3.671	0	%100
20	M39A	Z	2.12	2.12	0	%100
21	M54	X	-6.294	-6.294	0	%100
22	M54	Z	3.634	3.634	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-8.128	-8.128	0	%100
26	M56	Z	4.693	4.693	0	%100
27	M18	X	-3.671	-3.671	0	%100
28	M18	Z	2.12	2.12	0	%100
29	M19A	X	-14.685	-14.685	0	%100
30	M19A	Z	8.478	8.478	0	%100
31	M20	X	-3.671	-3.671	0	%100
32	M20	Z	2.12	2.12	0	%100
33	MP2A	X	-6.975	-6.975	0	%100
34	MP2A	Z	4.027	4.027	0	%100
35	MP3A	X	-6.975	-6.975	0	%100
36	MP3A	Z	4.027	4.027	0	%100
37	MP4A	X	-6.975	-6.975	0	%100
38	MP4A	Z	4.027	4.027	0	%100
39	MP1C	X	-6.975	-6.975	0	%100
40	MP1C	Z	4.027	4.027	0	%100
41	MP2C	X	-6.975	-6.975	0	%100
42	MP2C	Z	4.027	4.027	0	%100
43	MP3C	X	-6.975	-6.975	0	%100
44	MP3C	Z	4.027	4.027	0	%100
45	MP4C	X	-6.975	-6.975	0	%100
46	MP4C	Z	4.027	4.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP1B	X	-6.975	-6.975	0	%100
48	MP1B	Z	4.027	4.027	0	%100
49	MP2B	X	-6.975	-6.975	0	%100
50	MP2B	Z	4.027	4.027	0	%100
51	MP3B	X	-6.975	-6.975	0	%100
52	MP3B	Z	4.027	4.027	0	%100
53	MP4B	X	-6.975	-6.975	0	%100
54	MP4B	Z	4.027	4.027	0	%100
55	OVP1	X	-5.867	-5.867	0	%100
56	OVP1	Z	3.387	3.387	0	%100
57	OVP2	X	-5.867	-5.867	0	%100
58	OVP2	Z	3.387	3.387	0	%100
59	M45	X	-2.111	-2.111	0	%100
60	M45	Z	1.219	1.219	0	%100
61	M52	X	-8.444	-8.444	0	%100
62	M52	Z	4.875	4.875	0	%100
63	M59	X	-2.111	-2.111	0	%100
64	M59	Z	1.219	1.219	0	%100
65	M65	X	-10.229	-10.229	0	%100
66	M65	Z	5.906	5.906	0	%100
67	M66	X	-2.557	-2.557	0	%100
68	M66	Z	1.476	1.476	0	%100
69	M67	X	-2.557	-2.557	0	%100
70	M67	Z	1.476	1.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-9.691	-9.691	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-12.513	-12.513	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-14.036	-14.036	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-3.509	-3.509	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-3.509	-3.509	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	MP1A	X	-8.054	-8.054	0	%100
14	MP1A	Z	0	0	0	%100
15	M23A	X	-12.717	-12.717	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	-2.423	-2.423	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	-12.717	-12.717	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	-2.423	-2.423	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	-3.128	-3.128	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-3.128	-3.128	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19A	X	-12.717	-12.717	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M19A	Z	0	0	0	%100
31	M20	X	-12.717	-12.717	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	-8.054	-8.054	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-8.054	-8.054	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-8.054	-8.054	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	-8.054	-8.054	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	-8.054	-8.054	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	-8.054	-8.054	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	-8.054	-8.054	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	-8.054	-8.054	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	-8.054	-8.054	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	-8.054	-8.054	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	-8.054	-8.054	0	%100
54	MP4B	Z	0	0	0	%100
55	OVP1	X	-6.775	-6.775	0	%100
56	OVP1	Z	0	0	0	%100
57	OVP2	X	-6.775	-6.775	0	%100
58	OVP2	Z	0	0	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	0	0	0	%100
61	M52	X	-7.313	-7.313	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	-7.313	-7.313	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	-8.859	-8.859	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	-8.859	-8.859	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-6.294	-6.294	0	%100
2	M1	Z	-3.634	-3.634	0	%100
3	M2	X	-8.128	-8.128	0	%100
4	M2	Z	-4.693	-4.693	0	%100
5	M5	X	-9.117	-9.117	0	%100
6	M5	Z	-5.264	-5.264	0	%100
7	M6	X	-9.117	-9.117	0	%100
8	M6	Z	-5.264	-5.264	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-3.671	-3.671	0	%100
12	M6A	Z	-2.12	-2.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	MP1A	X	-6.975	-6.975	0	%100
14	MP1A	Z	-4.027	-4.027	0	%100
15	M23A	X	-3.671	-3.671	0	%100
16	M23A	Z	-2.12	-2.12	0	%100
17	M38	X	-6.294	-6.294	0	%100
18	M38	Z	-3.634	-3.634	0	%100
19	M39A	X	-14.685	-14.685	0	%100
20	M39A	Z	-8.478	-8.478	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	-8.128	-8.128	0	%100
24	M55	Z	-4.693	-4.693	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	-3.671	-3.671	0	%100
28	M18	Z	-2.12	-2.12	0	%100
29	M19A	X	-3.671	-3.671	0	%100
30	M19A	Z	-2.12	-2.12	0	%100
31	M20	X	-14.685	-14.685	0	%100
32	M20	Z	-8.478	-8.478	0	%100
33	MP2A	X	-6.975	-6.975	0	%100
34	MP2A	Z	-4.027	-4.027	0	%100
35	MP3A	X	-6.975	-6.975	0	%100
36	MP3A	Z	-4.027	-4.027	0	%100
37	MP4A	X	-6.975	-6.975	0	%100
38	MP4A	Z	-4.027	-4.027	0	%100
39	MP1C	X	-6.975	-6.975	0	%100
40	MP1C	Z	-4.027	-4.027	0	%100
41	MP2C	X	-6.975	-6.975	0	%100
42	MP2C	Z	-4.027	-4.027	0	%100
43	MP3C	X	-6.975	-6.975	0	%100
44	MP3C	Z	-4.027	-4.027	0	%100
45	MP4C	X	-6.975	-6.975	0	%100
46	MP4C	Z	-4.027	-4.027	0	%100
47	MP1B	X	-6.975	-6.975	0	%100
48	MP1B	Z	-4.027	-4.027	0	%100
49	MP2B	X	-6.975	-6.975	0	%100
50	MP2B	Z	-4.027	-4.027	0	%100
51	MP3B	X	-6.975	-6.975	0	%100
52	MP3B	Z	-4.027	-4.027	0	%100
53	MP4B	X	-6.975	-6.975	0	%100
54	MP4B	Z	-4.027	-4.027	0	%100
55	OVP1	X	-5.867	-5.867	0	%100
56	OVP1	Z	-3.387	-3.387	0	%100
57	OVP2	X	-5.867	-5.867	0	%100
58	OVP2	Z	-3.387	-3.387	0	%100
59	M45	X	-2.111	-2.111	0	%100
60	M45	Z	-1.219	-1.219	0	%100
61	M52	X	-2.111	-2.111	0	%100
62	M52	Z	-1.219	-1.219	0	%100
63	M59	X	-8.444	-8.444	0	%100
64	M59	Z	-4.875	-4.875	0	%100
65	M65	X	-2.557	-2.557	0	%100
66	M65	Z	-1.476	-1.476	0	%100
67	M66	X	-10.229	-10.229	0	%100
68	M66	Z	-5.906	-5.906	0	%100
69	M67	X	-2.557	-2.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M67	Z	-1.476	-1.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.211	-1.211	0	%100
2	M1	Z	-2.098	-2.098	0	%100
3	M2	X	-1.564	-1.564	0	%100
4	M2	Z	-2.709	-2.709	0	%100
5	M5	X	-1.755	-1.755	0	%100
6	M5	Z	-3.039	-3.039	0	%100
7	M6	X	-7.018	-7.018	0	%100
8	M6	Z	-12.156	-12.156	0	%100
9	M7	X	-1.755	-1.755	0	%100
10	M7	Z	-3.039	-3.039	0	%100
11	M6A	X	-6.359	-6.359	0	%100
12	M6A	Z	-11.014	-11.014	0	%100
13	MP1A	X	-4.027	-4.027	0	%100
14	MP1A	Z	-6.975	-6.975	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	-4.845	-4.845	0	%100
18	M38	Z	-8.392	-8.392	0	%100
19	M39A	X	-6.359	-6.359	0	%100
20	M39A	Z	-11.014	-11.014	0	%100
21	M54	X	-1.211	-1.211	0	%100
22	M54	Z	-2.098	-2.098	0	%100
23	M55	X	-6.257	-6.257	0	%100
24	M55	Z	-10.837	-10.837	0	%100
25	M56	X	-1.564	-1.564	0	%100
26	M56	Z	-2.709	-2.709	0	%100
27	M18	X	-6.359	-6.359	0	%100
28	M18	Z	-11.014	-11.014	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	-6.359	-6.359	0	%100
32	M20	Z	-11.014	-11.014	0	%100
33	MP2A	X	-4.027	-4.027	0	%100
34	MP2A	Z	-6.975	-6.975	0	%100
35	MP3A	X	-4.027	-4.027	0	%100
36	MP3A	Z	-6.975	-6.975	0	%100
37	MP4A	X	-4.027	-4.027	0	%100
38	MP4A	Z	-6.975	-6.975	0	%100
39	MP1C	X	-4.027	-4.027	0	%100
40	MP1C	Z	-6.975	-6.975	0	%100
41	MP2C	X	-4.027	-4.027	0	%100
42	MP2C	Z	-6.975	-6.975	0	%100
43	MP3C	X	-4.027	-4.027	0	%100
44	MP3C	Z	-6.975	-6.975	0	%100
45	MP4C	X	-4.027	-4.027	0	%100
46	MP4C	Z	-6.975	-6.975	0	%100
47	MP1B	X	-4.027	-4.027	0	%100
48	MP1B	Z	-6.975	-6.975	0	%100
49	MP2B	X	-4.027	-4.027	0	%100
50	MP2B	Z	-6.975	-6.975	0	%100
51	MP3B	X	-4.027	-4.027	0	%100
52	MP3B	Z	-6.975	-6.975	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4B	X	-4.027	-4.027	0	%100
54	MP4B	Z	-6.975	-6.975	0	%100
55	OVP1	X	-3.387	-3.387	0	%100
56	OVP1	Z	-5.867	-5.867	0	%100
57	OVP2	X	-3.387	-3.387	0	%100
58	OVP2	Z	-5.867	-5.867	0	%100
59	M45	X	-3.656	-3.656	0	%100
60	M45	Z	-6.333	-6.333	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	-3.656	-3.656	0	%100
64	M59	Z	-6.333	-6.333	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	-4.429	-4.429	0	%100
68	M66	Z	-7.672	-7.672	0	%100
69	M67	X	-4.429	-4.429	0	%100
70	M67	Z	-7.672	-7.672	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-2.736	-2.736	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-2.736	-2.736	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-4.305	-4.305	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.76	-2.76	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-1.076	-1.076	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	-1.913	-1.913	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-1.076	-1.076	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	-1.913	-1.913	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-2.358	-2.358	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-2.358	-2.358	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-4.305	-4.305	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	-1.076	-1.076	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.076	-1.076	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-2.76	-2.76	0	%100
35	MP3A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	MP3A	Z	-2.76	-2.76	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-2.76	-2.76	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	-2.76	-2.76	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-2.76	-2.76	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-2.76	-2.76	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	-2.76	-2.76	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	-2.76	-2.76	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-2.76	-2.76	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-2.76	-2.76	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-2.76	-2.76	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	-2.333	-2.333	0	%100
57	OVP2	X	0	0	0	%100
58	OVP2	Z	-2.333	-2.333	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	-3.054	-3.054	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	-.764	-.764	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-.764	-.764	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	-.751	-.751	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	-.751	-.751	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	-3.006	-3.006	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.319	.319	0	%100
2	M1	Z	-.552	-.552	0	%100
3	M2	X	.393	.393	0	%100
4	M2	Z	-.681	-.681	0	%100
5	M5	X	.456	.456	0	%100
6	M5	Z	-.79	-.79	0	%100
7	M6	X	.456	.456	0	%100
8	M6	Z	-.79	-.79	0	%100
9	M7	X	1.824	1.824	0	%100
10	M7	Z	-3.159	-3.159	0	%100
11	M6A	X	1.615	1.615	0	%100
12	M6A	Z	-2.796	-2.796	0	%100
13	MP1A	X	1.38	1.38	0	%100
14	MP1A	Z	-2.39	-2.39	0	%100
15	M23A	X	1.615	1.615	0	%100
16	M23A	Z	-2.796	-2.796	0	%100
17	M38	X	.319	.319	0	%100
18	M38	Z	-.552	-.552	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	1.276	1.276	0	%100
22	M54	Z	-2.209	-2.209	0	%100
23	M55	X	.393	.393	0	%100
24	M55	Z	-.681	-.681	0	%100
25	M56	X	1.572	1.572	0	%100
26	M56	Z	-2.722	-2.722	0	%100
27	M18	X	1.615	1.615	0	%100
28	M18	Z	-2.796	-2.796	0	%100
29	M19A	X	1.615	1.615	0	%100
30	M19A	Z	-2.796	-2.796	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	1.38	1.38	0	%100
34	MP2A	Z	-2.39	-2.39	0	%100
35	MP3A	X	1.38	1.38	0	%100
36	MP3A	Z	-2.39	-2.39	0	%100
37	MP4A	X	1.38	1.38	0	%100
38	MP4A	Z	-2.39	-2.39	0	%100
39	MP1C	X	1.38	1.38	0	%100
40	MP1C	Z	-2.39	-2.39	0	%100
41	MP2C	X	1.38	1.38	0	%100
42	MP2C	Z	-2.39	-2.39	0	%100
43	MP3C	X	1.38	1.38	0	%100
44	MP3C	Z	-2.39	-2.39	0	%100
45	MP4C	X	1.38	1.38	0	%100
46	MP4C	Z	-2.39	-2.39	0	%100
47	MP1B	X	1.38	1.38	0	%100
48	MP1B	Z	-2.39	-2.39	0	%100
49	MP2B	X	1.38	1.38	0	%100
50	MP2B	Z	-2.39	-2.39	0	%100
51	MP3B	X	1.38	1.38	0	%100
52	MP3B	Z	-2.39	-2.39	0	%100
53	MP4B	X	1.38	1.38	0	%100
54	MP4B	Z	-2.39	-2.39	0	%100
55	OVP1	X	1.166	1.166	0	%100
56	OVP1	Z	-2.02	-2.02	0	%100
57	OVP2	X	1.166	1.166	0	%100
58	OVP2	Z	-2.02	-2.02	0	%100
59	M45	X	1.145	1.145	0	%100
60	M45	Z	-1.984	-1.984	0	%100
61	M52	X	1.145	1.145	0	%100
62	M52	Z	-1.984	-1.984	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	1.127	1.127	0	%100
66	M65	Z	-1.952	-1.952	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	1.127	1.127	0	%100
70	M67	Z	-1.952	-1.952	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.657	1.657	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	-.957	-.957	0	%100
3	M2	X	2.042	2.042	0	%100
4	M2	Z	-1.179	-1.179	0	%100
5	M5	X	2.369	2.369	0	%100
6	M5	Z	-1.368	-1.368	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	2.369	2.369	0	%100
10	M7	Z	-1.368	-1.368	0	%100
11	M6A	X	.932	.932	0	%100
12	M6A	Z	-.538	-.538	0	%100
13	MP1A	X	2.39	2.39	0	%100
14	MP1A	Z	-1.38	-1.38	0	%100
15	M23A	X	3.729	3.729	0	%100
16	M23A	Z	-2.153	-2.153	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	.932	.932	0	%100
20	M39A	Z	-.538	-.538	0	%100
21	M54	X	1.657	1.657	0	%100
22	M54	Z	-.957	-.957	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	2.042	2.042	0	%100
26	M56	Z	-1.179	-1.179	0	%100
27	M18	X	.932	.932	0	%100
28	M18	Z	-.538	-.538	0	%100
29	M19A	X	3.729	3.729	0	%100
30	M19A	Z	-2.153	-2.153	0	%100
31	M20	X	.932	.932	0	%100
32	M20	Z	-.538	-.538	0	%100
33	MP2A	X	2.39	2.39	0	%100
34	MP2A	Z	-1.38	-1.38	0	%100
35	MP3A	X	2.39	2.39	0	%100
36	MP3A	Z	-1.38	-1.38	0	%100
37	MP4A	X	2.39	2.39	0	%100
38	MP4A	Z	-1.38	-1.38	0	%100
39	MP1C	X	2.39	2.39	0	%100
40	MP1C	Z	-1.38	-1.38	0	%100
41	MP2C	X	2.39	2.39	0	%100
42	MP2C	Z	-1.38	-1.38	0	%100
43	MP3C	X	2.39	2.39	0	%100
44	MP3C	Z	-1.38	-1.38	0	%100
45	MP4C	X	2.39	2.39	0	%100
46	MP4C	Z	-1.38	-1.38	0	%100
47	MP1B	X	2.39	2.39	0	%100
48	MP1B	Z	-1.38	-1.38	0	%100
49	MP2B	X	2.39	2.39	0	%100
50	MP2B	Z	-1.38	-1.38	0	%100
51	MP3B	X	2.39	2.39	0	%100
52	MP3B	Z	-1.38	-1.38	0	%100
53	MP4B	X	2.39	2.39	0	%100
54	MP4B	Z	-1.38	-1.38	0	%100
55	OVP1	X	2.02	2.02	0	%100
56	OVP1	Z	-1.166	-1.166	0	%100
57	OVP2	X	2.02	2.02	0	%100
58	OVP2	Z	-1.166	-1.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M45	X	.661	.661	0	%100
60	M45	Z	-.382	-.382	0	%100
61	M52	X	2.645	2.645	0	%100
62	M52	Z	-1.527	-1.527	0	%100
63	M59	X	.661	.661	0	%100
64	M59	Z	-.382	-.382	0	%100
65	M65	X	2.603	2.603	0	%100
66	M65	Z	-1.503	-1.503	0	%100
67	M66	X	.651	.651	0	%100
68	M66	Z	-.376	-.376	0	%100
69	M67	X	.651	.651	0	%100
70	M67	Z	-.376	-.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.551	2.551	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.144	3.144	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	3.648	3.648	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.912	.912	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.912	.912	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	MP1A	X	2.76	2.76	0	%100
14	MP1A	Z	0	0	0	%100
15	M23A	X	3.229	3.229	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	.638	.638	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	3.229	3.229	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	.638	.638	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	.786	.786	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.786	.786	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19A	X	3.229	3.229	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	3.229	3.229	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	2.76	2.76	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	2.76	2.76	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	2.76	2.76	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	2.76	2.76	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	2.76	2.76	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	MP2C	Z	0	0	0	%100
43	MP3C	X	2.76	2.76	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	2.76	2.76	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	2.76	2.76	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	2.76	2.76	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	2.76	2.76	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	2.76	2.76	0	%100
54	MP4B	Z	0	0	0	%100
55	OVP1	X	2.333	2.333	0	%100
56	OVP1	Z	0	0	0	%100
57	OVP2	X	2.333	2.333	0	%100
58	OVP2	Z	0	0	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	0	0	0	%100
61	M52	X	2.291	2.291	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	2.291	2.291	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	2.254	2.254	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	2.254	2.254	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.657	1.657	0	%100
2	M1	Z	.957	.957	0	%100
3	M2	X	2.042	2.042	0	%100
4	M2	Z	1.179	1.179	0	%100
5	M5	X	2.369	2.369	0	%100
6	M5	Z	1.368	1.368	0	%100
7	M6	X	2.369	2.369	0	%100
8	M6	Z	1.368	1.368	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.932	.932	0	%100
12	M6A	Z	.538	.538	0	%100
13	MP1A	X	2.39	2.39	0	%100
14	MP1A	Z	1.38	1.38	0	%100
15	M23A	X	.932	.932	0	%100
16	M23A	Z	.538	.538	0	%100
17	M38	X	1.657	1.657	0	%100
18	M38	Z	.957	.957	0	%100
19	M39A	X	3.729	3.729	0	%100
20	M39A	Z	2.153	2.153	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	2.042	2.042	0	%100
24	M55	Z	1.179	1.179	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	.932	.932	0	%100
28	M18	Z	.538	.538	0	%100
29	M19A	X	.932	.932	0	%100
30	M19A	Z	.538	.538	0	%100
31	M20	X	3.729	3.729	0	%100
32	M20	Z	2.153	2.153	0	%100
33	MP2A	X	2.39	2.39	0	%100
34	MP2A	Z	1.38	1.38	0	%100
35	MP3A	X	2.39	2.39	0	%100
36	MP3A	Z	1.38	1.38	0	%100
37	MP4A	X	2.39	2.39	0	%100
38	MP4A	Z	1.38	1.38	0	%100
39	MP1C	X	2.39	2.39	0	%100
40	MP1C	Z	1.38	1.38	0	%100
41	MP2C	X	2.39	2.39	0	%100
42	MP2C	Z	1.38	1.38	0	%100
43	MP3C	X	2.39	2.39	0	%100
44	MP3C	Z	1.38	1.38	0	%100
45	MP4C	X	2.39	2.39	0	%100
46	MP4C	Z	1.38	1.38	0	%100
47	MP1B	X	2.39	2.39	0	%100
48	MP1B	Z	1.38	1.38	0	%100
49	MP2B	X	2.39	2.39	0	%100
50	MP2B	Z	1.38	1.38	0	%100
51	MP3B	X	2.39	2.39	0	%100
52	MP3B	Z	1.38	1.38	0	%100
53	MP4B	X	2.39	2.39	0	%100
54	MP4B	Z	1.38	1.38	0	%100
55	OVP1	X	2.02	2.02	0	%100
56	OVP1	Z	1.166	1.166	0	%100
57	OVP2	X	2.02	2.02	0	%100
58	OVP2	Z	1.166	1.166	0	%100
59	M45	X	.661	.661	0	%100
60	M45	Z	.382	.382	0	%100
61	M52	X	.661	.661	0	%100
62	M52	Z	.382	.382	0	%100
63	M59	X	2.645	2.645	0	%100
64	M59	Z	1.527	1.527	0	%100
65	M65	X	.651	.651	0	%100
66	M65	Z	.376	.376	0	%100
67	M66	X	2.603	2.603	0	%100
68	M66	Z	1.503	1.503	0	%100
69	M67	X	.651	.651	0	%100
70	M67	Z	.376	.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.319	.319	0	%100
2	M1	Z	.552	.552	0	%100
3	M2	X	.393	.393	0	%100
4	M2	Z	.681	.681	0	%100
5	M5	X	.456	.456	0	%100
6	M5	Z	.79	.79	0	%100
7	M6	X	1.824	1.824	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M6	Z	3.159	3.159	0	%100
9	M7	X	.456	.456	0	%100
10	M7	Z	.79	.79	0	%100
11	M6A	X	1.615	1.615	0	%100
12	M6A	Z	2.796	2.796	0	%100
13	MP1A	X	1.38	1.38	0	%100
14	MP1A	Z	2.39	2.39	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	1.276	1.276	0	%100
18	M38	Z	2.209	2.209	0	%100
19	M39A	X	1.615	1.615	0	%100
20	M39A	Z	2.796	2.796	0	%100
21	M54	X	.319	.319	0	%100
22	M54	Z	.552	.552	0	%100
23	M55	X	1.572	1.572	0	%100
24	M55	Z	2.722	2.722	0	%100
25	M56	X	.393	.393	0	%100
26	M56	Z	.681	.681	0	%100
27	M18	X	1.615	1.615	0	%100
28	M18	Z	2.796	2.796	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	1.615	1.615	0	%100
32	M20	Z	2.796	2.796	0	%100
33	MP2A	X	1.38	1.38	0	%100
34	MP2A	Z	2.39	2.39	0	%100
35	MP3A	X	1.38	1.38	0	%100
36	MP3A	Z	2.39	2.39	0	%100
37	MP4A	X	1.38	1.38	0	%100
38	MP4A	Z	2.39	2.39	0	%100
39	MP1C	X	1.38	1.38	0	%100
40	MP1C	Z	2.39	2.39	0	%100
41	MP2C	X	1.38	1.38	0	%100
42	MP2C	Z	2.39	2.39	0	%100
43	MP3C	X	1.38	1.38	0	%100
44	MP3C	Z	2.39	2.39	0	%100
45	MP4C	X	1.38	1.38	0	%100
46	MP4C	Z	2.39	2.39	0	%100
47	MP1B	X	1.38	1.38	0	%100
48	MP1B	Z	2.39	2.39	0	%100
49	MP2B	X	1.38	1.38	0	%100
50	MP2B	Z	2.39	2.39	0	%100
51	MP3B	X	1.38	1.38	0	%100
52	MP3B	Z	2.39	2.39	0	%100
53	MP4B	X	1.38	1.38	0	%100
54	MP4B	Z	2.39	2.39	0	%100
55	OVP1	X	1.166	1.166	0	%100
56	OVP1	Z	2.02	2.02	0	%100
57	OVP2	X	1.166	1.166	0	%100
58	OVP2	Z	2.02	2.02	0	%100
59	M45	X	1.145	1.145	0	%100
60	M45	Z	1.984	1.984	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	1.145	1.145	0	%100
64	M59	Z	1.984	1.984	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M65	X	0	0	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	1.127	1.127	0	%100
68	M66	Z	1.952	1.952	0	%100
69	M67	X	1.127	1.127	0	%100
70	M67	Z	1.952	1.952	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	2.736	2.736	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	2.736	2.736	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	4.305	4.305	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.76	2.76	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	1.076	1.076	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	1.913	1.913	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	1.076	1.076	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	1.913	1.913	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	2.358	2.358	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	2.358	2.358	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	4.305	4.305	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	1.076	1.076	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.076	1.076	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	2.76	2.76	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	2.76	2.76	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	2.76	2.76	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	2.76	2.76	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	2.76	2.76	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	2.76	2.76	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	2.76	2.76	0	%100
47	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	MP1B	Z	2.76	2.76	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	2.76	2.76	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	2.76	2.76	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	2.76	2.76	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	2.333	2.333	0	%100
57	OVP2	X	0	0	0	%100
58	OVP2	Z	2.333	2.333	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	3.054	3.054	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	.764	.764	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	.764	.764	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	.751	.751	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	.751	.751	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	3.006	3.006	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.319	-.319	0	%100
2	M1	Z	.552	.552	0	%100
3	M2	X	-.393	-.393	0	%100
4	M2	Z	.681	.681	0	%100
5	M5	X	-.456	-.456	0	%100
6	M5	Z	.79	.79	0	%100
7	M6	X	-.456	-.456	0	%100
8	M6	Z	.79	.79	0	%100
9	M7	X	-1.824	-1.824	0	%100
10	M7	Z	3.159	3.159	0	%100
11	M6A	X	-1.615	-1.615	0	%100
12	M6A	Z	2.796	2.796	0	%100
13	MP1A	X	-1.38	-1.38	0	%100
14	MP1A	Z	2.39	2.39	0	%100
15	M23A	X	-1.615	-1.615	0	%100
16	M23A	Z	2.796	2.796	0	%100
17	M38	X	-.319	-.319	0	%100
18	M38	Z	.552	.552	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	-1.276	-1.276	0	%100
22	M54	Z	2.209	2.209	0	%100
23	M55	X	-.393	-.393	0	%100
24	M55	Z	.681	.681	0	%100
25	M56	X	-1.572	-1.572	0	%100
26	M56	Z	2.722	2.722	0	%100
27	M18	X	-1.615	-1.615	0	%100
28	M18	Z	2.796	2.796	0	%100
29	M19A	X	-1.615	-1.615	0	%100
30	M19A	Z	2.796	2.796	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	-1.38	-1.38	0	%100
34	MP2A	Z	2.39	2.39	0	%100
35	MP3A	X	-1.38	-1.38	0	%100
36	MP3A	Z	2.39	2.39	0	%100
37	MP4A	X	-1.38	-1.38	0	%100
38	MP4A	Z	2.39	2.39	0	%100
39	MP1C	X	-1.38	-1.38	0	%100
40	MP1C	Z	2.39	2.39	0	%100
41	MP2C	X	-1.38	-1.38	0	%100
42	MP2C	Z	2.39	2.39	0	%100
43	MP3C	X	-1.38	-1.38	0	%100
44	MP3C	Z	2.39	2.39	0	%100
45	MP4C	X	-1.38	-1.38	0	%100
46	MP4C	Z	2.39	2.39	0	%100
47	MP1B	X	-1.38	-1.38	0	%100
48	MP1B	Z	2.39	2.39	0	%100
49	MP2B	X	-1.38	-1.38	0	%100
50	MP2B	Z	2.39	2.39	0	%100
51	MP3B	X	-1.38	-1.38	0	%100
52	MP3B	Z	2.39	2.39	0	%100
53	MP4B	X	-1.38	-1.38	0	%100
54	MP4B	Z	2.39	2.39	0	%100
55	OVP1	X	-1.166	-1.166	0	%100
56	OVP1	Z	2.02	2.02	0	%100
57	OVP2	X	-1.166	-1.166	0	%100
58	OVP2	Z	2.02	2.02	0	%100
59	M45	X	-1.145	-1.145	0	%100
60	M45	Z	1.984	1.984	0	%100
61	M52	X	-1.145	-1.145	0	%100
62	M52	Z	1.984	1.984	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	-1.127	-1.127	0	%100
66	M65	Z	1.952	1.952	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	-1.127	-1.127	0	%100
70	M67	Z	1.952	1.952	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.657	-1.657	0	%100
2	M1	Z	.957	.957	0	%100
3	M2	X	-2.042	-2.042	0	%100
4	M2	Z	1.179	1.179	0	%100
5	M5	X	-2.369	-2.369	0	%100
6	M5	Z	1.368	1.368	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-2.369	-2.369	0	%100
10	M7	Z	1.368	1.368	0	%100
11	M6A	X	-.932	-.932	0	%100
12	M6A	Z	.538	.538	0	%100
13	MP1A	X	-2.39	-2.39	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	MP1A	Z	1.38	1.38	0	%100
15	M23A	X	-3.729	-3.729	0	%100
16	M23A	Z	2.153	2.153	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	-.932	-.932	0	%100
20	M39A	Z	.538	.538	0	%100
21	M54	X	-1.657	-1.657	0	%100
22	M54	Z	.957	.957	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-2.042	-2.042	0	%100
26	M56	Z	1.179	1.179	0	%100
27	M18	X	-.932	-.932	0	%100
28	M18	Z	.538	.538	0	%100
29	M19A	X	-3.729	-3.729	0	%100
30	M19A	Z	2.153	2.153	0	%100
31	M20	X	-.932	-.932	0	%100
32	M20	Z	.538	.538	0	%100
33	MP2A	X	-2.39	-2.39	0	%100
34	MP2A	Z	1.38	1.38	0	%100
35	MP3A	X	-2.39	-2.39	0	%100
36	MP3A	Z	1.38	1.38	0	%100
37	MP4A	X	-2.39	-2.39	0	%100
38	MP4A	Z	1.38	1.38	0	%100
39	MP1C	X	-2.39	-2.39	0	%100
40	MP1C	Z	1.38	1.38	0	%100
41	MP2C	X	-2.39	-2.39	0	%100
42	MP2C	Z	1.38	1.38	0	%100
43	MP3C	X	-2.39	-2.39	0	%100
44	MP3C	Z	1.38	1.38	0	%100
45	MP4C	X	-2.39	-2.39	0	%100
46	MP4C	Z	1.38	1.38	0	%100
47	MP1B	X	-2.39	-2.39	0	%100
48	MP1B	Z	1.38	1.38	0	%100
49	MP2B	X	-2.39	-2.39	0	%100
50	MP2B	Z	1.38	1.38	0	%100
51	MP3B	X	-2.39	-2.39	0	%100
52	MP3B	Z	1.38	1.38	0	%100
53	MP4B	X	-2.39	-2.39	0	%100
54	MP4B	Z	1.38	1.38	0	%100
55	OVP1	X	-2.02	-2.02	0	%100
56	OVP1	Z	1.166	1.166	0	%100
57	OVP2	X	-2.02	-2.02	0	%100
58	OVP2	Z	1.166	1.166	0	%100
59	M45	X	-.661	-.661	0	%100
60	M45	Z	.382	.382	0	%100
61	M52	X	-2.645	-2.645	0	%100
62	M52	Z	1.527	1.527	0	%100
63	M59	X	-.661	-.661	0	%100
64	M59	Z	.382	.382	0	%100
65	M65	X	-2.603	-2.603	0	%100
66	M65	Z	1.503	1.503	0	%100
67	M66	X	-.651	-.651	0	%100
68	M66	Z	.376	.376	0	%100
69	M67	X	-.651	-.651	0	%100
70	M67	Z	.376	.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.551	-2.551	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.144	-3.144	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-3.648	-3.648	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.912	-.912	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.912	-.912	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	MP1A	X	-2.76	-2.76	0	%100
14	MP1A	Z	0	0	0	%100
15	M23A	X	-3.229	-3.229	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	-.638	-.638	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	-3.229	-3.229	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	-.638	-.638	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	-.786	-.786	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.786	-.786	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19A	X	-3.229	-3.229	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	-3.229	-3.229	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	-2.76	-2.76	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-2.76	-2.76	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-2.76	-2.76	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	-2.76	-2.76	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	-2.76	-2.76	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	-2.76	-2.76	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	-2.76	-2.76	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	-2.76	-2.76	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	-2.76	-2.76	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	-2.76	-2.76	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	-2.76	-2.76	0	%100
54	MP4B	Z	0	0	0	%100
55	OVP1	X	-2.333	-2.333	0	%100
56	OVP1	Z	0	0	0	%100
57	OVP2	X	-2.333	-2.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	OVP2	Z	0	0	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	0	0	0	%100
61	M52	X	-2.291	-2.291	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	-2.291	-2.291	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	-2.254	-2.254	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	-2.254	-2.254	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.657	-1.657	0	%100
2	M1	Z	-.957	-.957	0	%100
3	M2	X	-2.042	-2.042	0	%100
4	M2	Z	-1.179	-1.179	0	%100
5	M5	X	-2.369	-2.369	0	%100
6	M5	Z	-1.368	-1.368	0	%100
7	M6	X	-2.369	-2.369	0	%100
8	M6	Z	-1.368	-1.368	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.932	-.932	0	%100
12	M6A	Z	-.538	-.538	0	%100
13	MP1A	X	-2.39	-2.39	0	%100
14	MP1A	Z	-1.38	-1.38	0	%100
15	M23A	X	-.932	-.932	0	%100
16	M23A	Z	-.538	-.538	0	%100
17	M38	X	-1.657	-1.657	0	%100
18	M38	Z	-.957	-.957	0	%100
19	M39A	X	-3.729	-3.729	0	%100
20	M39A	Z	-2.153	-2.153	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	-2.042	-2.042	0	%100
24	M55	Z	-1.179	-1.179	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	-.932	-.932	0	%100
28	M18	Z	-.538	-.538	0	%100
29	M19A	X	-.932	-.932	0	%100
30	M19A	Z	-.538	-.538	0	%100
31	M20	X	-3.729	-3.729	0	%100
32	M20	Z	-2.153	-2.153	0	%100
33	MP2A	X	-2.39	-2.39	0	%100
34	MP2A	Z	-1.38	-1.38	0	%100
35	MP3A	X	-2.39	-2.39	0	%100
36	MP3A	Z	-1.38	-1.38	0	%100
37	MP4A	X	-2.39	-2.39	0	%100
38	MP4A	Z	-1.38	-1.38	0	%100
39	MP1C	X	-2.39	-2.39	0	%100
40	MP1C	Z	-1.38	-1.38	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP2C	X	-2.39	-2.39	0	%100
42	MP2C	Z	-1.38	-1.38	0	%100
43	MP3C	X	-2.39	-2.39	0	%100
44	MP3C	Z	-1.38	-1.38	0	%100
45	MP4C	X	-2.39	-2.39	0	%100
46	MP4C	Z	-1.38	-1.38	0	%100
47	MP1B	X	-2.39	-2.39	0	%100
48	MP1B	Z	-1.38	-1.38	0	%100
49	MP2B	X	-2.39	-2.39	0	%100
50	MP2B	Z	-1.38	-1.38	0	%100
51	MP3B	X	-2.39	-2.39	0	%100
52	MP3B	Z	-1.38	-1.38	0	%100
53	MP4B	X	-2.39	-2.39	0	%100
54	MP4B	Z	-1.38	-1.38	0	%100
55	OVP1	X	-2.02	-2.02	0	%100
56	OVP1	Z	-1.166	-1.166	0	%100
57	OVP2	X	-2.02	-2.02	0	%100
58	OVP2	Z	-1.166	-1.166	0	%100
59	M45	X	-.661	-.661	0	%100
60	M45	Z	-.382	-.382	0	%100
61	M52	X	-.661	-.661	0	%100
62	M52	Z	-.382	-.382	0	%100
63	M59	X	-2.645	-2.645	0	%100
64	M59	Z	-1.527	-1.527	0	%100
65	M65	X	-.651	-.651	0	%100
66	M65	Z	-.376	-.376	0	%100
67	M66	X	-2.603	-2.603	0	%100
68	M66	Z	-1.503	-1.503	0	%100
69	M67	X	-.651	-.651	0	%100
70	M67	Z	-.376	-.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.319	-.319	0	%100
2	M1	Z	-.552	-.552	0	%100
3	M2	X	-.393	-.393	0	%100
4	M2	Z	-.681	-.681	0	%100
5	M5	X	-.456	-.456	0	%100
6	M5	Z	-.79	-.79	0	%100
7	M6	X	-1.824	-1.824	0	%100
8	M6	Z	-3.159	-3.159	0	%100
9	M7	X	-.456	-.456	0	%100
10	M7	Z	-.79	-.79	0	%100
11	M6A	X	-1.615	-1.615	0	%100
12	M6A	Z	-2.796	-2.796	0	%100
13	MP1A	X	-1.38	-1.38	0	%100
14	MP1A	Z	-2.39	-2.39	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	-1.276	-1.276	0	%100
18	M38	Z	-2.209	-2.209	0	%100
19	M39A	X	-1.615	-1.615	0	%100
20	M39A	Z	-2.796	-2.796	0	%100
21	M54	X	-.319	-.319	0	%100
22	M54	Z	-.552	-.552	0	%100
23	M55	X	-1.572	-1.572	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M55	Z	-2.722	-2.722	0	%100
25	M56	X	-.393	-.393	0	%100
26	M56	Z	-.681	-.681	0	%100
27	M18	X	-1.615	-1.615	0	%100
28	M18	Z	-2.796	-2.796	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	-1.615	-1.615	0	%100
32	M20	Z	-2.796	-2.796	0	%100
33	MP2A	X	-1.38	-1.38	0	%100
34	MP2A	Z	-2.39	-2.39	0	%100
35	MP3A	X	-1.38	-1.38	0	%100
36	MP3A	Z	-2.39	-2.39	0	%100
37	MP4A	X	-1.38	-1.38	0	%100
38	MP4A	Z	-2.39	-2.39	0	%100
39	MP1C	X	-1.38	-1.38	0	%100
40	MP1C	Z	-2.39	-2.39	0	%100
41	MP2C	X	-1.38	-1.38	0	%100
42	MP2C	Z	-2.39	-2.39	0	%100
43	MP3C	X	-1.38	-1.38	0	%100
44	MP3C	Z	-2.39	-2.39	0	%100
45	MP4C	X	-1.38	-1.38	0	%100
46	MP4C	Z	-2.39	-2.39	0	%100
47	MP1B	X	-1.38	-1.38	0	%100
48	MP1B	Z	-2.39	-2.39	0	%100
49	MP2B	X	-1.38	-1.38	0	%100
50	MP2B	Z	-2.39	-2.39	0	%100
51	MP3B	X	-1.38	-1.38	0	%100
52	MP3B	Z	-2.39	-2.39	0	%100
53	MP4B	X	-1.38	-1.38	0	%100
54	MP4B	Z	-2.39	-2.39	0	%100
55	OVP1	X	-1.166	-1.166	0	%100
56	OVP1	Z	-2.02	-2.02	0	%100
57	OVP2	X	-1.166	-1.166	0	%100
58	OVP2	Z	-2.02	-2.02	0	%100
59	M45	X	-1.145	-1.145	0	%100
60	M45	Z	-1.984	-1.984	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	-1.145	-1.145	0	%100
64	M59	Z	-1.984	-1.984	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	-1.127	-1.127	0	%100
68	M66	Z	-1.952	-1.952	0	%100
69	M67	X	-1.127	-1.127	0	%100
70	M67	Z	-1.952	-1.952	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M6	X	0	0	0	%100
8	M6	Z	-.658	-.658	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-.658	-.658	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-1.06	-1.06	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.503	-.503	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-.265	-.265	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	-.454	-.454	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-.265	-.265	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	-.454	-.454	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-.587	-.587	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-.587	-.587	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-1.06	-1.06	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	-.265	-.265	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-.265	-.265	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-.503	-.503	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-.503	-.503	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.503	-.503	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	-.503	-.503	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-.503	-.503	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-.503	-.503	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	-.503	-.503	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	-.503	-.503	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	-.503	-.503	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-.503	-.503	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-.503	-.503	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	-.423	-.423	0	%100
57	OVP2	X	0	0	0	%100
58	OVP2	Z	-.423	-.423	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	-.609	-.609	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	-.152	-.152	0	%100
63	M59	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M59	Z	-.152	-.152	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	-.185	-.185	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	-.185	-.185	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	-.738	-.738	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.076	.076	0	%100
2	M1	Z	-.131	-.131	0	%100
3	M2	X	.098	.098	0	%100
4	M2	Z	-.169	-.169	0	%100
5	M5	X	.11	.11	0	%100
6	M5	Z	-.19	-.19	0	%100
7	M6	X	.11	.11	0	%100
8	M6	Z	-.19	-.19	0	%100
9	M7	X	.439	.439	0	%100
10	M7	Z	-.76	-.76	0	%100
11	M6A	X	.397	.397	0	%100
12	M6A	Z	-.688	-.688	0	%100
13	MP1A	X	.252	.252	0	%100
14	MP1A	Z	-.436	-.436	0	%100
15	M23A	X	.397	.397	0	%100
16	M23A	Z	-.688	-.688	0	%100
17	M38	X	.076	.076	0	%100
18	M38	Z	-.131	-.131	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	.303	.303	0	%100
22	M54	Z	-.525	-.525	0	%100
23	M55	X	.098	.098	0	%100
24	M55	Z	-.169	-.169	0	%100
25	M56	X	.391	.391	0	%100
26	M56	Z	-.677	-.677	0	%100
27	M18	X	.397	.397	0	%100
28	M18	Z	-.688	-.688	0	%100
29	M19A	X	.397	.397	0	%100
30	M19A	Z	-.688	-.688	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	.252	.252	0	%100
34	MP2A	Z	-.436	-.436	0	%100
35	MP3A	X	.252	.252	0	%100
36	MP3A	Z	-.436	-.436	0	%100
37	MP4A	X	.252	.252	0	%100
38	MP4A	Z	-.436	-.436	0	%100
39	MP1C	X	.252	.252	0	%100
40	MP1C	Z	-.436	-.436	0	%100
41	MP2C	X	.252	.252	0	%100
42	MP2C	Z	-.436	-.436	0	%100
43	MP3C	X	.252	.252	0	%100
44	MP3C	Z	-.436	-.436	0	%100
45	MP4C	X	.252	.252	0	%100
46	MP4C	Z	-.436	-.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP1B	X	.252	.252	0	%100
48	MP1B	Z	-.436	-.436	0	%100
49	MP2B	X	.252	.252	0	%100
50	MP2B	Z	-.436	-.436	0	%100
51	MP3B	X	.252	.252	0	%100
52	MP3B	Z	-.436	-.436	0	%100
53	MP4B	X	.252	.252	0	%100
54	MP4B	Z	-.436	-.436	0	%100
55	OVP1	X	.212	.212	0	%100
56	OVP1	Z	-.367	-.367	0	%100
57	OVP2	X	.212	.212	0	%100
58	OVP2	Z	-.367	-.367	0	%100
59	M45	X	.229	.229	0	%100
60	M45	Z	-.396	-.396	0	%100
61	M52	X	.229	.229	0	%100
62	M52	Z	-.396	-.396	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	.277	.277	0	%100
66	M65	Z	-.479	-.479	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	.277	.277	0	%100
70	M67	Z	-.479	-.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.393	.393	0	%100
2	M1	Z	-.227	-.227	0	%100
3	M2	X	.508	.508	0	%100
4	M2	Z	-.293	-.293	0	%100
5	M5	X	.57	.57	0	%100
6	M5	Z	-.329	-.329	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.57	.57	0	%100
10	M7	Z	-.329	-.329	0	%100
11	M6A	X	.229	.229	0	%100
12	M6A	Z	-.132	-.132	0	%100
13	MP1A	X	.436	.436	0	%100
14	MP1A	Z	-.252	-.252	0	%100
15	M23A	X	.918	.918	0	%100
16	M23A	Z	-.53	-.53	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	.229	.229	0	%100
20	M39A	Z	-.132	-.132	0	%100
21	M54	X	.393	.393	0	%100
22	M54	Z	-.227	-.227	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.508	.508	0	%100
26	M56	Z	-.293	-.293	0	%100
27	M18	X	.229	.229	0	%100
28	M18	Z	-.132	-.132	0	%100
29	M19A	X	.918	.918	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M19A	Z	-.53	-.53	0	%100
31	M20	X	.229	.229	0	%100
32	M20	Z	-.132	-.132	0	%100
33	MP2A	X	.436	.436	0	%100
34	MP2A	Z	-.252	-.252	0	%100
35	MP3A	X	.436	.436	0	%100
36	MP3A	Z	-.252	-.252	0	%100
37	MP4A	X	.436	.436	0	%100
38	MP4A	Z	-.252	-.252	0	%100
39	MP1C	X	.436	.436	0	%100
40	MP1C	Z	-.252	-.252	0	%100
41	MP2C	X	.436	.436	0	%100
42	MP2C	Z	-.252	-.252	0	%100
43	MP3C	X	.436	.436	0	%100
44	MP3C	Z	-.252	-.252	0	%100
45	MP4C	X	.436	.436	0	%100
46	MP4C	Z	-.252	-.252	0	%100
47	MP1B	X	.436	.436	0	%100
48	MP1B	Z	-.252	-.252	0	%100
49	MP2B	X	.436	.436	0	%100
50	MP2B	Z	-.252	-.252	0	%100
51	MP3B	X	.436	.436	0	%100
52	MP3B	Z	-.252	-.252	0	%100
53	MP4B	X	.436	.436	0	%100
54	MP4B	Z	-.252	-.252	0	%100
55	OVP1	X	.367	.367	0	%100
56	OVP1	Z	-.212	-.212	0	%100
57	OVP2	X	.367	.367	0	%100
58	OVP2	Z	-.212	-.212	0	%100
59	M45	X	.132	.132	0	%100
60	M45	Z	-.076	-.076	0	%100
61	M52	X	.528	.528	0	%100
62	M52	Z	-.305	-.305	0	%100
63	M59	X	.132	.132	0	%100
64	M59	Z	-.076	-.076	0	%100
65	M65	X	.639	.639	0	%100
66	M65	Z	-.369	-.369	0	%100
67	M66	X	.16	.16	0	%100
68	M66	Z	-.092	-.092	0	%100
69	M67	X	.16	.16	0	%100
70	M67	Z	-.092	-.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.606	.606	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.782	.782	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	.877	.877	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.219	.219	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.219	.219	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	MP1A	X	.503	.503	0	%100
14	MP1A	Z	0	0	0	%100
15	M23A	X	.795	.795	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	.151	.151	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	.795	.795	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	.151	.151	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	.196	.196	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.196	.196	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19A	X	.795	.795	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	.795	.795	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	.503	.503	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	.503	.503	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	.503	.503	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	.503	.503	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	.503	.503	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	.503	.503	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	.503	.503	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	.503	.503	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	.503	.503	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	.503	.503	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	.503	.503	0	%100
54	MP4B	Z	0	0	0	%100
55	OVP1	X	.423	.423	0	%100
56	OVP1	Z	0	0	0	%100
57	OVP2	X	.423	.423	0	%100
58	OVP2	Z	0	0	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	0	0	0	%100
61	M52	X	.457	.457	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	.457	.457	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	.554	.554	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	.554	.554	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.393	.393	0	%100
2	M1	Z	.227	.227	0	%100
3	M2	X	.508	.508	0	%100
4	M2	Z	.293	.293	0	%100
5	M5	X	.57	.57	0	%100
6	M5	Z	.329	.329	0	%100
7	M6	X	.57	.57	0	%100
8	M6	Z	.329	.329	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.229	.229	0	%100
12	M6A	Z	.132	.132	0	%100
13	MP1A	X	.436	.436	0	%100
14	MP1A	Z	.252	.252	0	%100
15	M23A	X	.229	.229	0	%100
16	M23A	Z	.132	.132	0	%100
17	M38	X	.393	.393	0	%100
18	M38	Z	.227	.227	0	%100
19	M39A	X	.918	.918	0	%100
20	M39A	Z	.53	.53	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	.508	.508	0	%100
24	M55	Z	.293	.293	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	.229	.229	0	%100
28	M18	Z	.132	.132	0	%100
29	M19A	X	.229	.229	0	%100
30	M19A	Z	.132	.132	0	%100
31	M20	X	.918	.918	0	%100
32	M20	Z	.53	.53	0	%100
33	MP2A	X	.436	.436	0	%100
34	MP2A	Z	.252	.252	0	%100
35	MP3A	X	.436	.436	0	%100
36	MP3A	Z	.252	.252	0	%100
37	MP4A	X	.436	.436	0	%100
38	MP4A	Z	.252	.252	0	%100
39	MP1C	X	.436	.436	0	%100
40	MP1C	Z	.252	.252	0	%100
41	MP2C	X	.436	.436	0	%100
42	MP2C	Z	.252	.252	0	%100
43	MP3C	X	.436	.436	0	%100
44	MP3C	Z	.252	.252	0	%100
45	MP4C	X	.436	.436	0	%100
46	MP4C	Z	.252	.252	0	%100
47	MP1B	X	.436	.436	0	%100
48	MP1B	Z	.252	.252	0	%100
49	MP2B	X	.436	.436	0	%100
50	MP2B	Z	.252	.252	0	%100
51	MP3B	X	.436	.436	0	%100
52	MP3B	Z	.252	.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4B	X	.436	.436	0	%100
54	MP4B	Z	.252	.252	0	%100
55	OVP1	X	.367	.367	0	%100
56	OVP1	Z	.212	.212	0	%100
57	OVP2	X	.367	.367	0	%100
58	OVP2	Z	.212	.212	0	%100
59	M45	X	.132	.132	0	%100
60	M45	Z	.076	.076	0	%100
61	M52	X	.132	.132	0	%100
62	M52	Z	.076	.076	0	%100
63	M59	X	.528	.528	0	%100
64	M59	Z	.305	.305	0	%100
65	M65	X	.16	.16	0	%100
66	M65	Z	.092	.092	0	%100
67	M66	X	.639	.639	0	%100
68	M66	Z	.369	.369	0	%100
69	M67	X	.16	.16	0	%100
70	M67	Z	.092	.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.076	.076	0	%100
2	M1	Z	.131	.131	0	%100
3	M2	X	.098	.098	0	%100
4	M2	Z	.169	.169	0	%100
5	M5	X	.11	.11	0	%100
6	M5	Z	.19	.19	0	%100
7	M6	X	.439	.439	0	%100
8	M6	Z	.76	.76	0	%100
9	M7	X	.11	.11	0	%100
10	M7	Z	.19	.19	0	%100
11	M6A	X	.397	.397	0	%100
12	M6A	Z	.688	.688	0	%100
13	MP1A	X	.252	.252	0	%100
14	MP1A	Z	.436	.436	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	.303	.303	0	%100
18	M38	Z	.525	.525	0	%100
19	M39A	X	.397	.397	0	%100
20	M39A	Z	.688	.688	0	%100
21	M54	X	.076	.076	0	%100
22	M54	Z	.131	.131	0	%100
23	M55	X	.391	.391	0	%100
24	M55	Z	.677	.677	0	%100
25	M56	X	.098	.098	0	%100
26	M56	Z	.169	.169	0	%100
27	M18	X	.397	.397	0	%100
28	M18	Z	.688	.688	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	.397	.397	0	%100
32	M20	Z	.688	.688	0	%100
33	MP2A	X	.252	.252	0	%100
34	MP2A	Z	.436	.436	0	%100
35	MP3A	X	.252	.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	MP3A	Z	.436	.436	0	%100
37	MP4A	X	.252	.252	0	%100
38	MP4A	Z	.436	.436	0	%100
39	MP1C	X	.252	.252	0	%100
40	MP1C	Z	.436	.436	0	%100
41	MP2C	X	.252	.252	0	%100
42	MP2C	Z	.436	.436	0	%100
43	MP3C	X	.252	.252	0	%100
44	MP3C	Z	.436	.436	0	%100
45	MP4C	X	.252	.252	0	%100
46	MP4C	Z	.436	.436	0	%100
47	MP1B	X	.252	.252	0	%100
48	MP1B	Z	.436	.436	0	%100
49	MP2B	X	.252	.252	0	%100
50	MP2B	Z	.436	.436	0	%100
51	MP3B	X	.252	.252	0	%100
52	MP3B	Z	.436	.436	0	%100
53	MP4B	X	.252	.252	0	%100
54	MP4B	Z	.436	.436	0	%100
55	OVP1	X	.212	.212	0	%100
56	OVP1	Z	.367	.367	0	%100
57	OVP2	X	.212	.212	0	%100
58	OVP2	Z	.367	.367	0	%100
59	M45	X	.229	.229	0	%100
60	M45	Z	.396	.396	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	.229	.229	0	%100
64	M59	Z	.396	.396	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	.277	.277	0	%100
68	M66	Z	.479	.479	0	%100
69	M67	X	.277	.277	0	%100
70	M67	Z	.479	.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.658	.658	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	.658	.658	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	1.06	1.06	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.503	.503	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	.265	.265	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	.454	.454	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M39A	X	0	0	0	%100
20	M39A	Z	.265	.265	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	.454	.454	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	.587	.587	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	.587	.587	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	1.06	1.06	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	.265	.265	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	.265	.265	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	.503	.503	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.503	.503	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.503	.503	0	%100
39	MP1C	X	0	0	0	%100
40	MP1C	Z	.503	.503	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	.503	.503	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	.503	.503	0	%100
45	MP4C	X	0	0	0	%100
46	MP4C	Z	.503	.503	0	%100
47	MP1B	X	0	0	0	%100
48	MP1B	Z	.503	.503	0	%100
49	MP2B	X	0	0	0	%100
50	MP2B	Z	.503	.503	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	.503	.503	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	.503	.503	0	%100
55	OVP1	X	0	0	0	%100
56	OVP1	Z	.423	.423	0	%100
57	OVP2	X	0	0	0	%100
58	OVP2	Z	.423	.423	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	.609	.609	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	.152	.152	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	.152	.152	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	.185	.185	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	.185	.185	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	.738	.738	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.076	-.076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	.131	.131	0	%100
3	M2	X	-.098	-.098	0	%100
4	M2	Z	.169	.169	0	%100
5	M5	X	-.11	-.11	0	%100
6	M5	Z	.19	.19	0	%100
7	M6	X	-.11	-.11	0	%100
8	M6	Z	.19	.19	0	%100
9	M7	X	-.439	-.439	0	%100
10	M7	Z	.76	.76	0	%100
11	M6A	X	-.397	-.397	0	%100
12	M6A	Z	.688	.688	0	%100
13	MP1A	X	-.252	-.252	0	%100
14	MP1A	Z	.436	.436	0	%100
15	M23A	X	-.397	-.397	0	%100
16	M23A	Z	.688	.688	0	%100
17	M38	X	-.076	-.076	0	%100
18	M38	Z	.131	.131	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	-.303	-.303	0	%100
22	M54	Z	.525	.525	0	%100
23	M55	X	-.098	-.098	0	%100
24	M55	Z	.169	.169	0	%100
25	M56	X	-.391	-.391	0	%100
26	M56	Z	.677	.677	0	%100
27	M18	X	-.397	-.397	0	%100
28	M18	Z	.688	.688	0	%100
29	M19A	X	-.397	-.397	0	%100
30	M19A	Z	.688	.688	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	-.252	-.252	0	%100
34	MP2A	Z	.436	.436	0	%100
35	MP3A	X	-.252	-.252	0	%100
36	MP3A	Z	.436	.436	0	%100
37	MP4A	X	-.252	-.252	0	%100
38	MP4A	Z	.436	.436	0	%100
39	MP1C	X	-.252	-.252	0	%100
40	MP1C	Z	.436	.436	0	%100
41	MP2C	X	-.252	-.252	0	%100
42	MP2C	Z	.436	.436	0	%100
43	MP3C	X	-.252	-.252	0	%100
44	MP3C	Z	.436	.436	0	%100
45	MP4C	X	-.252	-.252	0	%100
46	MP4C	Z	.436	.436	0	%100
47	MP1B	X	-.252	-.252	0	%100
48	MP1B	Z	.436	.436	0	%100
49	MP2B	X	-.252	-.252	0	%100
50	MP2B	Z	.436	.436	0	%100
51	MP3B	X	-.252	-.252	0	%100
52	MP3B	Z	.436	.436	0	%100
53	MP4B	X	-.252	-.252	0	%100
54	MP4B	Z	.436	.436	0	%100
55	OVP1	X	-.212	-.212	0	%100
56	OVP1	Z	.367	.367	0	%100
57	OVP2	X	-.212	-.212	0	%100
58	OVP2	Z	.367	.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M45	X	-.229	-.229	0	%100
60	M45	Z	.396	.396	0	%100
61	M52	X	-.229	-.229	0	%100
62	M52	Z	.396	.396	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	-.277	-.277	0	%100
66	M65	Z	.479	.479	0	%100
67	M66	X	0	0	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	-.277	-.277	0	%100
70	M67	Z	.479	.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.393	-.393	0	%100
2	M1	Z	.227	.227	0	%100
3	M2	X	-.508	-.508	0	%100
4	M2	Z	.293	.293	0	%100
5	M5	X	-.57	-.57	0	%100
6	M5	Z	.329	.329	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.57	-.57	0	%100
10	M7	Z	.329	.329	0	%100
11	M6A	X	-.229	-.229	0	%100
12	M6A	Z	.132	.132	0	%100
13	MP1A	X	-.436	-.436	0	%100
14	MP1A	Z	.252	.252	0	%100
15	M23A	X	-.918	-.918	0	%100
16	M23A	Z	.53	.53	0	%100
17	M38	X	0	0	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	-.229	-.229	0	%100
20	M39A	Z	.132	.132	0	%100
21	M54	X	-.393	-.393	0	%100
22	M54	Z	.227	.227	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.508	-.508	0	%100
26	M56	Z	.293	.293	0	%100
27	M18	X	-.229	-.229	0	%100
28	M18	Z	.132	.132	0	%100
29	M19A	X	-.918	-.918	0	%100
30	M19A	Z	.53	.53	0	%100
31	M20	X	-.229	-.229	0	%100
32	M20	Z	.132	.132	0	%100
33	MP2A	X	-.436	-.436	0	%100
34	MP2A	Z	.252	.252	0	%100
35	MP3A	X	-.436	-.436	0	%100
36	MP3A	Z	.252	.252	0	%100
37	MP4A	X	-.436	-.436	0	%100
38	MP4A	Z	.252	.252	0	%100
39	MP1C	X	-.436	-.436	0	%100
40	MP1C	Z	.252	.252	0	%100
41	MP2C	X	-.436	-.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	MP2C	Z	.252	.252	0	%100
43	MP3C	X	-.436	-.436	0	%100
44	MP3C	Z	.252	.252	0	%100
45	MP4C	X	-.436	-.436	0	%100
46	MP4C	Z	.252	.252	0	%100
47	MP1B	X	-.436	-.436	0	%100
48	MP1B	Z	.252	.252	0	%100
49	MP2B	X	-.436	-.436	0	%100
50	MP2B	Z	.252	.252	0	%100
51	MP3B	X	-.436	-.436	0	%100
52	MP3B	Z	.252	.252	0	%100
53	MP4B	X	-.436	-.436	0	%100
54	MP4B	Z	.252	.252	0	%100
55	OVP1	X	-.367	-.367	0	%100
56	OVP1	Z	.212	.212	0	%100
57	OVP2	X	-.367	-.367	0	%100
58	OVP2	Z	.212	.212	0	%100
59	M45	X	-.132	-.132	0	%100
60	M45	Z	.076	.076	0	%100
61	M52	X	-.528	-.528	0	%100
62	M52	Z	.305	.305	0	%100
63	M59	X	-.132	-.132	0	%100
64	M59	Z	.076	.076	0	%100
65	M65	X	-.639	-.639	0	%100
66	M65	Z	.369	.369	0	%100
67	M66	X	-.16	-.16	0	%100
68	M66	Z	.092	.092	0	%100
69	M67	X	-.16	-.16	0	%100
70	M67	Z	.092	.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.606	-.606	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.782	-.782	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-.877	-.877	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.219	-.219	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.219	-.219	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	MP1A	X	-.503	-.503	0	%100
14	MP1A	Z	0	0	0	%100
15	M23A	X	-.795	-.795	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	-.151	-.151	0	%100
18	M38	Z	0	0	0	%100
19	M39A	X	-.795	-.795	0	%100
20	M39A	Z	0	0	0	%100
21	M54	X	-.151	-.151	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	-.196	-.196	0	%100
24	M55	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M56	X	-.196	-.196	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	0	0	0	%100
29	M19A	X	-.795	-.795	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	-.795	-.795	0	%100
32	M20	Z	0	0	0	%100
33	MP2A	X	-.503	-.503	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-.503	-.503	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-.503	-.503	0	%100
38	MP4A	Z	0	0	0	%100
39	MP1C	X	-.503	-.503	0	%100
40	MP1C	Z	0	0	0	%100
41	MP2C	X	-.503	-.503	0	%100
42	MP2C	Z	0	0	0	%100
43	MP3C	X	-.503	-.503	0	%100
44	MP3C	Z	0	0	0	%100
45	MP4C	X	-.503	-.503	0	%100
46	MP4C	Z	0	0	0	%100
47	MP1B	X	-.503	-.503	0	%100
48	MP1B	Z	0	0	0	%100
49	MP2B	X	-.503	-.503	0	%100
50	MP2B	Z	0	0	0	%100
51	MP3B	X	-.503	-.503	0	%100
52	MP3B	Z	0	0	0	%100
53	MP4B	X	-.503	-.503	0	%100
54	MP4B	Z	0	0	0	%100
55	OVP1	X	-.423	-.423	0	%100
56	OVP1	Z	0	0	0	%100
57	OVP2	X	-.423	-.423	0	%100
58	OVP2	Z	0	0	0	%100
59	M45	X	0	0	0	%100
60	M45	Z	0	0	0	%100
61	M52	X	-.457	-.457	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	-.457	-.457	0	%100
64	M59	Z	0	0	0	%100
65	M65	X	-.554	-.554	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	-.554	-.554	0	%100
68	M66	Z	0	0	0	%100
69	M67	X	0	0	0	%100
70	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.393	-.393	0	%100
2	M1	Z	-.227	-.227	0	%100
3	M2	X	-.508	-.508	0	%100
4	M2	Z	-.293	-.293	0	%100
5	M5	X	-.57	-.57	0	%100
6	M5	Z	-.329	-.329	0	%100
7	M6	X	-.57	-.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M6	Z	-.329	-.329	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.229	-.229	0	%100
12	M6A	Z	-.132	-.132	0	%100
13	MP1A	X	-.436	-.436	0	%100
14	MP1A	Z	-.252	-.252	0	%100
15	M23A	X	-.229	-.229	0	%100
16	M23A	Z	-.132	-.132	0	%100
17	M38	X	-.393	-.393	0	%100
18	M38	Z	-.227	-.227	0	%100
19	M39A	X	-.918	-.918	0	%100
20	M39A	Z	-.53	-.53	0	%100
21	M54	X	0	0	0	%100
22	M54	Z	0	0	0	%100
23	M55	X	-.508	-.508	0	%100
24	M55	Z	-.293	-.293	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M18	X	-.229	-.229	0	%100
28	M18	Z	-.132	-.132	0	%100
29	M19A	X	-.229	-.229	0	%100
30	M19A	Z	-.132	-.132	0	%100
31	M20	X	-.918	-.918	0	%100
32	M20	Z	-.53	-.53	0	%100
33	MP2A	X	-.436	-.436	0	%100
34	MP2A	Z	-.252	-.252	0	%100
35	MP3A	X	-.436	-.436	0	%100
36	MP3A	Z	-.252	-.252	0	%100
37	MP4A	X	-.436	-.436	0	%100
38	MP4A	Z	-.252	-.252	0	%100
39	MP1C	X	-.436	-.436	0	%100
40	MP1C	Z	-.252	-.252	0	%100
41	MP2C	X	-.436	-.436	0	%100
42	MP2C	Z	-.252	-.252	0	%100
43	MP3C	X	-.436	-.436	0	%100
44	MP3C	Z	-.252	-.252	0	%100
45	MP4C	X	-.436	-.436	0	%100
46	MP4C	Z	-.252	-.252	0	%100
47	MP1B	X	-.436	-.436	0	%100
48	MP1B	Z	-.252	-.252	0	%100
49	MP2B	X	-.436	-.436	0	%100
50	MP2B	Z	-.252	-.252	0	%100
51	MP3B	X	-.436	-.436	0	%100
52	MP3B	Z	-.252	-.252	0	%100
53	MP4B	X	-.436	-.436	0	%100
54	MP4B	Z	-.252	-.252	0	%100
55	OVP1	X	-.367	-.367	0	%100
56	OVP1	Z	-.212	-.212	0	%100
57	OVP2	X	-.367	-.367	0	%100
58	OVP2	Z	-.212	-.212	0	%100
59	M45	X	-.132	-.132	0	%100
60	M45	Z	-.076	-.076	0	%100
61	M52	X	-.132	-.132	0	%100
62	M52	Z	-.076	-.076	0	%100
63	M59	X	-.528	-.528	0	%100
64	M59	Z	-.305	-.305	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M65	X	-.16	-.16	0	%100
66	M65	Z	-.092	-.092	0	%100
67	M66	X	-.639	-.639	0	%100
68	M66	Z	-.369	-.369	0	%100
69	M67	X	-.16	-.16	0	%100
70	M67	Z	-.092	-.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.076	-.076	0	%100
2	M1	Z	-.131	-.131	0	%100
3	M2	X	-.098	-.098	0	%100
4	M2	Z	-.169	-.169	0	%100
5	M5	X	-.11	-.11	0	%100
6	M5	Z	-.19	-.19	0	%100
7	M6	X	-.439	-.439	0	%100
8	M6	Z	-.76	-.76	0	%100
9	M7	X	-.11	-.11	0	%100
10	M7	Z	-.19	-.19	0	%100
11	M6A	X	-.397	-.397	0	%100
12	M6A	Z	-.688	-.688	0	%100
13	MP1A	X	-.252	-.252	0	%100
14	MP1A	Z	-.436	-.436	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M38	X	-.303	-.303	0	%100
18	M38	Z	-.525	-.525	0	%100
19	M39A	X	-.397	-.397	0	%100
20	M39A	Z	-.688	-.688	0	%100
21	M54	X	-.076	-.076	0	%100
22	M54	Z	-.131	-.131	0	%100
23	M55	X	-.391	-.391	0	%100
24	M55	Z	-.677	-.677	0	%100
25	M56	X	-.098	-.098	0	%100
26	M56	Z	-.169	-.169	0	%100
27	M18	X	-.397	-.397	0	%100
28	M18	Z	-.688	-.688	0	%100
29	M19A	X	0	0	0	%100
30	M19A	Z	0	0	0	%100
31	M20	X	-.397	-.397	0	%100
32	M20	Z	-.688	-.688	0	%100
33	MP2A	X	-.252	-.252	0	%100
34	MP2A	Z	-.436	-.436	0	%100
35	MP3A	X	-.252	-.252	0	%100
36	MP3A	Z	-.436	-.436	0	%100
37	MP4A	X	-.252	-.252	0	%100
38	MP4A	Z	-.436	-.436	0	%100
39	MP1C	X	-.252	-.252	0	%100
40	MP1C	Z	-.436	-.436	0	%100
41	MP2C	X	-.252	-.252	0	%100
42	MP2C	Z	-.436	-.436	0	%100
43	MP3C	X	-.252	-.252	0	%100
44	MP3C	Z	-.436	-.436	0	%100
45	MP4C	X	-.252	-.252	0	%100
46	MP4C	Z	-.436	-.436	0	%100
47	MP1B	X	-.252	-.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	MP1B	Z	-.436	-.436	0	%100
49	MP2B	X	-.252	-.252	0	%100
50	MP2B	Z	-.436	-.436	0	%100
51	MP3B	X	-.252	-.252	0	%100
52	MP3B	Z	-.436	-.436	0	%100
53	MP4B	X	-.252	-.252	0	%100
54	MP4B	Z	-.436	-.436	0	%100
55	OVP1	X	-.212	-.212	0	%100
56	OVP1	Z	-.367	-.367	0	%100
57	OVP2	X	-.212	-.212	0	%100
58	OVP2	Z	-.367	-.367	0	%100
59	M45	X	-.229	-.229	0	%100
60	M45	Z	-.396	-.396	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M59	X	-.229	-.229	0	%100
64	M59	Z	-.396	-.396	0	%100
65	M65	X	0	0	0	%100
66	M65	Z	0	0	0	%100
67	M66	X	-.277	-.277	0	%100
68	M66	Z	-.479	-.479	0	%100
69	M67	X	-.277	-.277	0	%100
70	M67	Z	-.479	-.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-7.255	-7.255	.271	1.604
2	M6	Y	-3.837	-2.402	.367	1.467
3	M6	Y	-2.402	-4.569	1.467	2.567
4	M6	Y	-4.569	-10.338	2.567	3.667
5	M7	Y	-3.837	-2.402	.367	1.467
6	M7	Y	-2.402	-4.569	1.467	2.567
7	M7	Y	-4.569	-10.338	2.567	3.667
8	M6A	Y	-2.777	-2.777	.231	7.203
9	M18	Y	-.089	-2.252	0	2.297
10	M18	Y	-2.252	-3.038	2.297	4.595
11	M18	Y	-3.038	-2.194	4.595	6.892
12	M18	Y	-2.194	-3.038	6.892	9.189
13	M18	Y	-3.038	-2.252	9.189	11.487
14	M18	Y	-2.252	-.089	11.487	13.784
15	M5	Y	-3.837	-2.402	.367	1.467
16	M5	Y	-2.402	-4.569	1.467	2.567
17	M5	Y	-4.569	-10.338	2.567	3.667
18	M23A	Y	-2.777	-2.777	.231	7.203
19	M55	Y	-7.255	-7.255	.271	1.604
20	M19A	Y	-.089	-2.252	0	2.297
21	M19A	Y	-2.252	-3.038	2.297	4.595
22	M19A	Y	-3.038	-2.194	4.595	6.892
23	M19A	Y	-2.194	-3.038	6.892	9.189
24	M19A	Y	-3.038	-2.252	9.189	11.487
25	M19A	Y	-2.252	-.089	11.487	13.784
26	M39A	Y	-2.777	-2.777	.231	7.203
27	M56	Y	-7.255	-7.255	.271	1.604
28	M20	Y	-.089	-2.252	0	2.297
29	M20	Y	-2.252	-3.038	2.297	4.595
30	M20	Y	-3.038	-2.194	4.595	6.892

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M20	Y	-2.194	-3.038	6.892	9.189
32	M20	Y	-3.038	-2.252	9.189	11.487
33	M20	Y	-2.252	-.089	11.487	13.784

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-15.348	-15.348	.271	1.604
2	M6	Y	-8.117	-5.081	.367	1.467
3	M6	Y	-5.081	-9.665	1.467	2.567
4	M6	Y	-9.665	-21.87	2.567	3.667
5	M7	Y	-8.117	-5.081	.367	1.467
6	M7	Y	-5.081	-9.665	1.467	2.567
7	M7	Y	-9.665	-21.87	2.567	3.667
8	M6A	Y	-5.875	-5.875	.231	7.203
9	M18	Y	-.188	-4.764	0	2.297
10	M18	Y	-4.764	-6.427	2.297	4.595
11	M18	Y	-6.427	-4.642	4.595	6.892
12	M18	Y	-4.642	-6.427	6.892	9.189
13	M18	Y	-6.427	-4.764	9.189	11.487
14	M18	Y	-4.764	-.188	11.487	13.784
15	M5	Y	-8.117	-5.081	.367	1.467
16	M5	Y	-5.081	-9.665	1.467	2.567
17	M5	Y	-9.665	-21.87	2.567	3.667
18	M23A	Y	-5.875	-5.875	.231	7.203
19	M55	Y	-15.348	-15.348	.271	1.604
20	M19A	Y	-.188	-4.764	0	2.297
21	M19A	Y	-4.764	-6.427	2.297	4.595
22	M19A	Y	-6.427	-4.642	4.595	6.892
23	M19A	Y	-4.642	-6.427	6.892	9.189
24	M19A	Y	-6.427	-4.764	9.189	11.487
25	M19A	Y	-4.764	-.188	11.487	13.784
26	M39A	Y	-5.875	-5.875	.231	7.203
27	M56	Y	-15.348	-15.348	.271	1.604
28	M20	Y	-.188	-4.764	0	2.297
29	M20	Y	-4.764	-6.427	2.297	4.595
30	M20	Y	-6.427	-4.642	4.595	6.892
31	M20	Y	-4.642	-6.427	6.892	9.189
32	M20	Y	-6.427	-4.764	9.189	11.487
33	M20	Y	-4.764	-.188	11.487	13.784

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-.329	-.329	.271	1.604
2	M6	Y	-.174	-.109	.367	1.467
3	M6	Y	-.109	-.207	1.467	2.567
4	M6	Y	-.207	-.469	2.567	3.667
5	M7	Y	-.174	-.109	.367	1.467
6	M7	Y	-.109	-.207	1.467	2.567
7	M7	Y	-.207	-.469	2.567	3.667
8	M6A	Y	-.126	-.126	.231	7.203
9	M18	Y	-.004	-.102	0	2.297
10	M18	Y	-.102	-.138	2.297	4.595
11	M18	Y	-.138	-.1	4.595	6.892
12	M18	Y	-.1	-.138	6.892	9.189
13	M18	Y	-.138	-.102	9.189	11.487
14	M18	Y	-.102	-.004	11.487	13.784

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M5	Y	-.174	-.109	.367	1.467
16	M5	Y	-.109	-.207	1.467	2.567
17	M5	Y	-.207	-.469	2.567	3.667
18	M23A	Y	-.126	-.126	.231	7.203
19	M55	Y	-.329	-.329	.271	1.604
20	M19A	Y	-.004	-.102	0	2.297
21	M19A	Y	-.102	-.138	2.297	4.595
22	M19A	Y	-.138	-.1	4.595	6.892
23	M19A	Y	-.1	-.138	6.892	9.189
24	M19A	Y	-.138	-.102	9.189	11.487
25	M19A	Y	-.102	-.004	11.487	13.784
26	M39A	Y	-.126	-.126	.231	7.203
27	M56	Y	-.329	-.329	.271	1.604
28	M20	Y	-.004	-.102	0	2.297
29	M20	Y	-.102	-.138	2.297	4.595
30	M20	Y	-.138	-.1	4.595	6.892
31	M20	Y	-.1	-.138	6.892	9.189
32	M20	Y	-.138	-.102	9.189	11.487
33	M20	Y	-.102	-.004	11.487	13.784

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Z	-.825	-.825	.271	1.604
2	M6	Z	-.436	-.273	.367	1.467
3	M6	Z	-.273	-.519	1.467	2.567
4	M6	Z	-.519	-1.175	2.567	3.667
5	M7	Z	-.436	-.273	.367	1.467
6	M7	Z	-.273	-.519	1.467	2.567
7	M7	Z	-.519	-1.175	2.567	3.667
8	M6A	Z	-.316	-.316	.231	7.203
9	M18	Z	-.01	-.256	0	2.297
10	M18	Z	-.256	-.345	2.297	4.595
11	M18	Z	-.345	-.249	4.595	6.892
12	M18	Z	-.249	-.345	6.892	9.189
13	M18	Z	-.345	-.256	9.189	11.487
14	M18	Z	-.256	-.01	11.487	13.784
15	M5	Z	-.436	-.273	.367	1.467
16	M5	Z	-.273	-.519	1.467	2.567
17	M5	Z	-.519	-1.175	2.567	3.667
18	M23A	Z	-.316	-.316	.231	7.203
19	M55	Z	-.825	-.825	.271	1.604
20	M19A	Z	-.01	-.256	0	2.297
21	M19A	Z	-.256	-.345	2.297	4.595
22	M19A	Z	-.345	-.249	4.595	6.892
23	M19A	Z	-.249	-.345	6.892	9.189
24	M19A	Z	-.345	-.256	9.189	11.487
25	M19A	Z	-.256	-.01	11.487	13.784
26	M39A	Z	-.316	-.316	.231	7.203
27	M56	Z	-.825	-.825	.271	1.604
28	M20	Z	-.01	-.256	0	2.297
29	M20	Z	-.256	-.345	2.297	4.595
30	M20	Z	-.345	-.249	4.595	6.892
31	M20	Z	-.249	-.345	6.892	9.189
32	M20	Z	-.345	-.256	9.189	11.487
33	M20	Z	-.256	-.01	11.487	13.784

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.825	.825	.271	1.604
2	M6	X	.436	.273	.367	1.467
3	M6	X	.273	.519	1.467	2.567
4	M6	X	.519	1.175	2.567	3.667
5	M7	X	.436	.273	.367	1.467
6	M7	X	.273	.519	1.467	2.567
7	M7	X	.519	1.175	2.567	3.667
8	M6A	X	.316	.316	.231	7.203
9	M18	X	.01	.256	0	2.297
10	M18	X	.256	.345	2.297	4.595
11	M18	X	.345	.249	4.595	6.892
12	M18	X	.249	.345	6.892	9.189
13	M18	X	.345	.256	9.189	11.487
14	M18	X	.256	.01	11.487	13.784
15	M5	X	.436	.273	.367	1.467
16	M5	X	.273	.519	1.467	2.567
17	M5	X	.519	1.175	2.567	3.667
18	M23A	X	.316	.316	.231	7.203
19	M55	X	.825	.825	.271	1.604
20	M19A	X	.01	.256	0	2.297
21	M19A	X	.256	.345	2.297	4.595
22	M19A	X	.345	.249	4.595	6.892
23	M19A	X	.249	.345	6.892	9.189
24	M19A	X	.345	.256	9.189	11.487
25	M19A	X	.256	.01	11.487	13.784
26	M39A	X	.316	.316	.231	7.203
27	M56	X	.825	.825	.271	1.604
28	M20	X	.01	.256	0	2.297
29	M20	X	.256	.345	2.297	4.595
30	M20	X	.345	.249	4.595	6.892
31	M20	X	.249	.345	6.892	9.189
32	M20	X	.345	.256	9.189	11.487
33	M20	X	.256	.01	11.487	13.784

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76A	N78B	N18A	N15B	Y	Two Way	-.005
2	N78B	N13	N11	N18A	Y	Two Way	-.005
3	N13	N76A	N15B	N11	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76A	N78B	N18A	N15B	Y	Two Way	-.011
2	N78B	N13	N11	N18A	Y	Two Way	-.011
3	N13	N76A	N15B	N11	Y	Two Way	-.011

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76A	N78B	N18A	N15B	Y	Two Way	-.000236
2	N78B	N13	N11	N18A	Y	Two Way	-.000236
3	N13	N76A	N15B	N11	Y	Two Way	-.000236

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]

Member Area Loads (BLC 85 : Structure Eh (0 Deg)) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76A	N78B	N18A	N15B	Z	Two Way	-.000591
2	N78B	N13	N11	N18A	Z	Two Way	-.000591
3	N13	N76A	N15B	N11	Z	Two Way	-.000591

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N76A	N78B	N18A	N15B	X	Two Way	.000591
2	N78B	N13	N11	N18A	X	Two Way	.000591
3	N13	N76A	N15B	N11	X	Two Way	.000591

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	N2	max	1936.351	9	2404.595	19	1121.478	1	-1.254	1	1.506	9	1.078	4
2		min	-1941.02	3	677.348	1	-1077.99	7	-5.842	19	-1.506	3	-1.099	10
3	N77	max	1346.978	10	2248.995	15	1711.634	1	2.929	13	1.434	5	4.977	16
4		min	-1308.231	4	622.228	9	-1731.252	7	.181	7	-1.434	11	1.227	10
5	N109	max	1423.204	10	2403.384	23	1896.643	1	3.024	13	1.517	1	-.882	4
6		min	-1459.652	4	676.889	5	-1920.51	7	.2	7	-1.517	7	-5.097	22
7	Totals:	max	4697.114	10	6828.967	23	4729.755	1						
8		min	-4697.117	4	2184.362	68	-4729.753	7						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	HSS4X4X6	.278	0	18	.095	0	z	10	196912....	197892	22.046	22.046	1....	H1-1b
2	M2	HSS4.5X4.5X3	.208	0	18	.087	0	y	34	120025....	121302	16.25	16.25	1....	H1-1b
3	M5	LL3x3x4x0	.088	0	16	.007	3.667	y	14	76607.4...	93312	6.48	4.371	2....	H1-1b
4	M6	LL3x3x4x0	.103	0	30	.013	3.667	y	32	76607.4...	93312	6.48	4.371	1....	H1-1b
5	M7	LL3x3x4x0	.088	0	8	.007	3.667	y	18	76607.4...	93312	6.48	4.371	2....	H1-1b
6	M6A	L3X3X4	.318	3.717	21	.014	3.717	z	16	13991.9...	46656	1.688	3.155	1....	H2-1
7	MP1A	PIPE_2.0	.314	.951	8	.108	3.364		8	17792.6...	32130	1.872	1.872	3....	H1-1b
8	M23A	L3X3X4	.319	3.717	13	.014	3.717	z	24	13991.9...	46656	1.688	3.163	1....	H2-1
9	M38	HSS4X4X6	.272	0	14	.084	0	z	6	196912....	197892	22.046	22.046	1....	H1-1b
10	M39A	L3X3X4	.318	3.717	21	.014	3.717	z	20	13991.9...	46656	1.688	3.162	1....	H2-1
11	M54	HSS4X4X6	.278	0	24	.095	0	z	2	196912....	197892	22.046	22.046	1....	H1-1b
12	M55	HSS4.5X4.5X3	.208	0	14	.068	0	y	6	120025....	121302	16.25	16.25	1....	H1-1b
13	M56	HSS4.5X4.5X3	.208	0	22	.067	0	y	2	120025....	121302	16.25	16.25	1....	H1-1b
14	M18	L3X3X4	.691	6.892	32	.456	6.892	y	1	4068.985	46656	1.688	2.743	1....	H2-1
15	M19A	L3X3X4	.637	6.892	4	.459	6.892	y	9	4068.984	46656	1.688	2.828	1....	H2-1
16	M20	L3X3X4	.633	6.892	12	.456	6.892	y	5	4068.984	46656	1.688	2.833	1....	H2-1
17	MP2A	PIPE_2.0	.384	3.364	10	.089	1.975		10	17792.6...	32130	1.872	1.872	2....	H1-1b
18	MP3A	PIPE_2.0	.270	.951	5	.112	.951		7	17792.6...	32130	1.872	1.872	3....	H1-1b
19	MP4A	PIPE_2.0	.207	3.364	5	.082	3.364		6	17792.6...	32130	1.872	1.872	3....	H1-1b
20	MP1C	PIPE_2.0	.314	.951	4	.108	3.364		4	17792.6...	32130	1.872	1.872	2....	H1-1b
21	MP2C	PIPE_2.0	.385	3.364	6	.089	1.975		6	17792.6...	32130	1.872	1.872	3....	H1-1b
22	MP3C	PIPE_2.0	.270	.951	1	.112	.951		3	17792.6...	32130	1.872	1.872	2....	H1-1b
23	MP4C	PIPE_2.0	.207	3.364	1	.082	3.364		2	17792.6...	32130	1.872	1.872	2....	H1-1b
24	MP1B	PIPE_2.0	.313	.951	12	.108	3.364		12	17792.6...	32130	1.872	1.872	3....	H1-1b
25	MP2B	PIPE_2.0	.383	3.364	2	.088	1.975		2	17792.6...	32130	1.872	1.872	2....	H1-1b
26	MP3B	PIPE_2.0	.270	.951	9	.112	.951		11	17792.6...	32130	1.872	1.872	3....	H1-1b
27	MP4B	PIPE_2.0	.208	3.364	9	.082	3.364		10	17792.6...	32130	1.872	1.872	3....	H1-1b
28	OVP1	PIPE_2.0	.120	2.471	6	.016	2.471		6	28308.0...	32130	1.872	1.872	1....	H1-1b
29	OVP2	PIPE_2.0	.120	2.471	12	.016	2.471		12	28308.0...	32130	1.872	1.872	1....	H1-1b
30	M45	PIPE_2.5	.246	6.658	20	.072	6.525		7	13918.6...	50715	3.596	3.596	1....	H1-1b

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

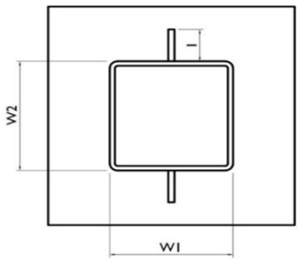
	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
31	M52	PIPE_2.5	.246	6.658	16	.072	6.525		3	13918.6...	50715	3.596	3.596	1....	H1-1b
32	M59	PIPE_2.5	.246	6.658	24	.072	6.525		11	13918.6...	50715	3.596	3.596	1....	H1-1b
33	M65	L3X3X6	.191	1.711	7	.021	0	y	6	64012.3...	68364	2.307	5.322	1....	H2-1
34	M66	L3X3X6	.191	1.711	3	.021	0	y	2	64012.3...	68364	2.307	5.322	1....	H2-1
35	M67	L3X3X6	.191	1.711	11	.021	0	y	10	64012.3...	68364	2.307	5.322	1....	H2-1

Client:	Verizon Wireless	Date:	2/4/2022
Site Name:	MIDDLETOWN SE CT		
PSLC #:	467257		
Fuze ID #:	16272203	Page:	2

Version 1.0

Tower Connection Weld Checks	Yes

Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Siffner Notch Present?	No
Stiffener length, l (in):	4
Stiffener Spacing/Width, s (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	32.00
Z_x (in^3/in):	67.56
Z_y (in^3/in):	21.33
J_p (in^4/in):	362.67
c_x (in)	6
c_y (in)	6
Required combined strength (kip/in):	1.04
Weld Capacity (kip/in):	5.57
Weld Utilization:	**18.7%**



Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*467257-VZW / MIDDLETOWN SE CT*
	Site Name:	*MIDDLETOWN SE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1969 Saybrook Rd* *Middletown, Connecticut 06457* *Middlesex County*
	Latitude:	*41.508425°*
	Longitude:	*-72.593361°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*13.88-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 map by ASCE 7 based on updated studies of the wind data.

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

Sincerely,

Derek Hartzell, P.E.
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: ***MIDDLETOWN SE CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	628	2511	142	0.0045	0.5007	0.89%
VZW CDMA	874.8	2	342	684	142	0.0012	0.5832	0.21%
VZW Cellular	874	4	725	2902	142	0.0052	0.5827	0.89%
VZW PCS	1975	4	1406	5625	142	0.0100	1.0000	1.00%
VZW AWS	2120	4	1414	5658	142	0.0101	1.0000	1.01%
VZW CBAND	3730.08	4	6531	26125	142	0.0466	1.0000	4.66%
Total Percentage of Maximum Permissible Exposure								8.66%

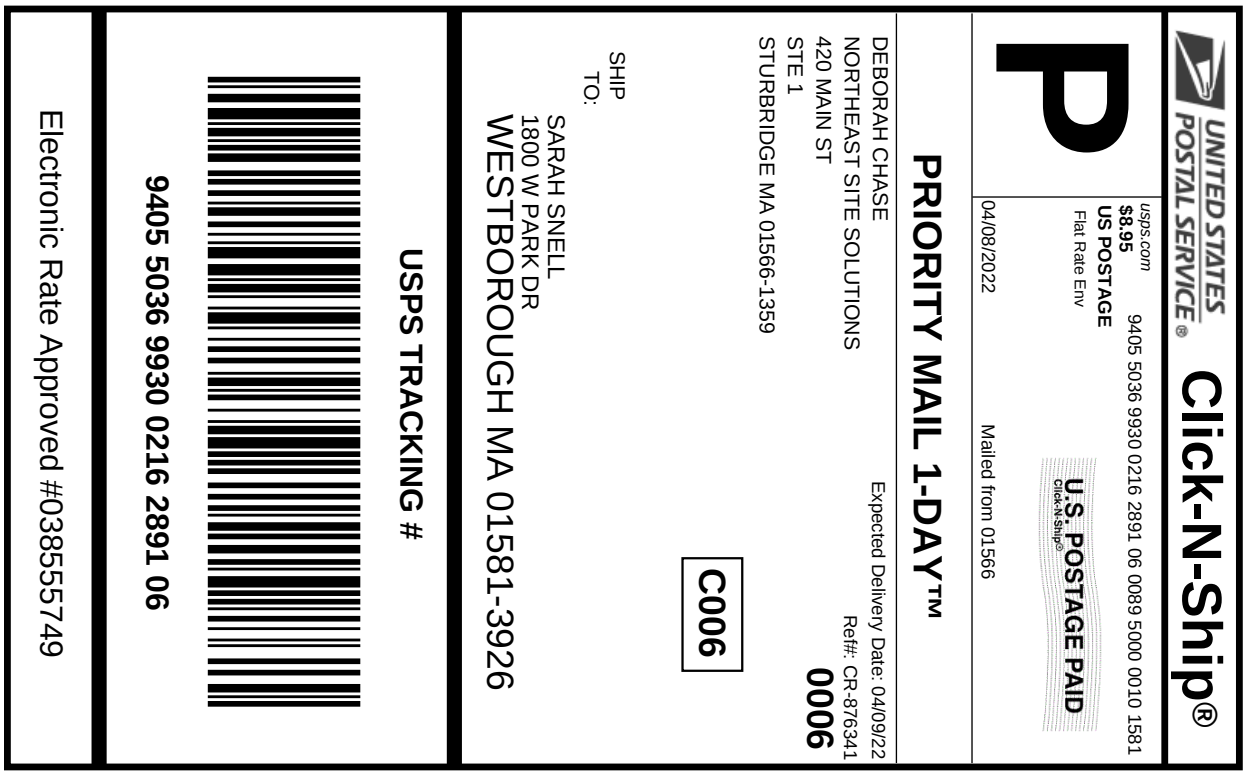
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification 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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Trans. #:	560774431
Print Date:	04/08/2022
Ship Date:	04/08/2022
Expected Delivery Date:	04/09/2022

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

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

Ref#: CR-876341

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

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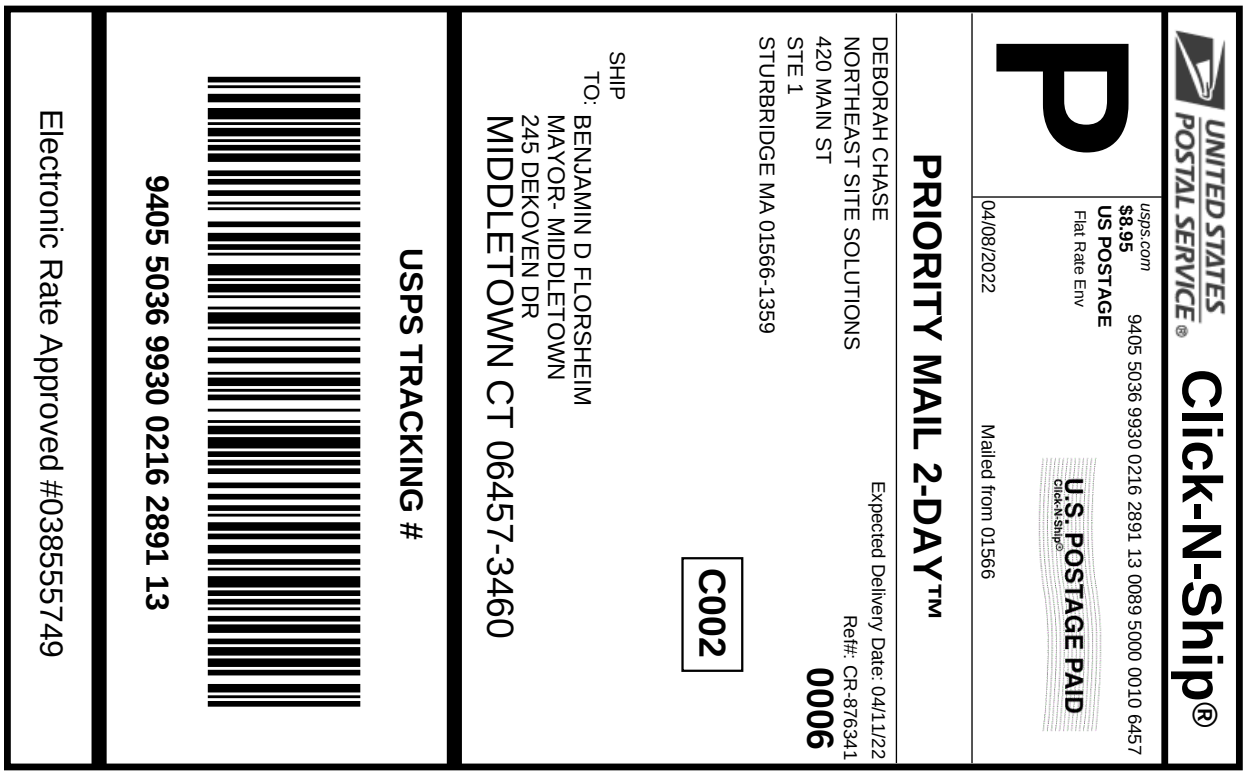

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Print Date:	04/08/2022
Ship Date:	04/08/2022
Expected Delivery Date:	04/11/2022

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

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

Ref#: CR-876341

To: BENJAMIN D FLORSHEIM
MAYOR- MIDDLETOWN
245 DEKOVEN DR
MIDDLETOWN CT 06457-3460

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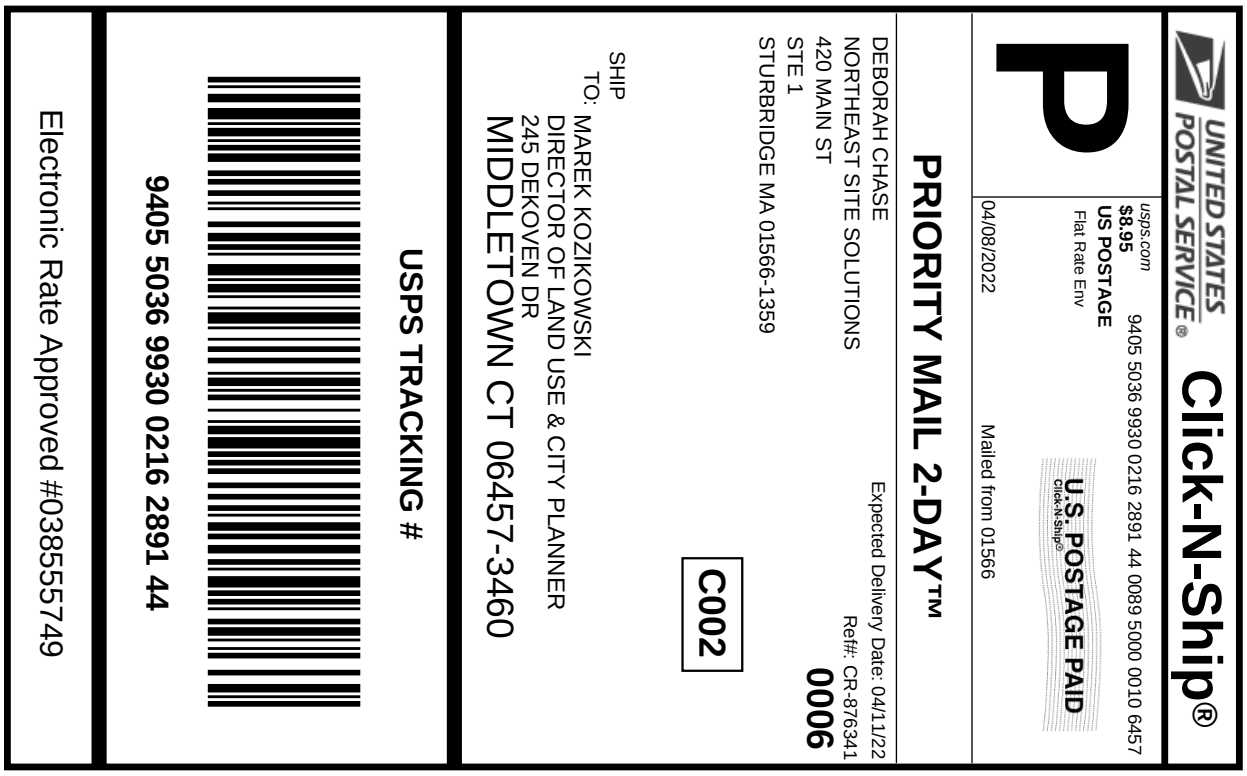

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Ship Date:	04/08/2022
Expected Delivery Date:	04/11/2022

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

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

Ref#: CR-876341

To: MAREK KOZIKOWSKI
DIRECTOR OF LAND USE & CITY PLANNER
245 DEKOVEN DR
MIDDLETOWN CT 06457-3460

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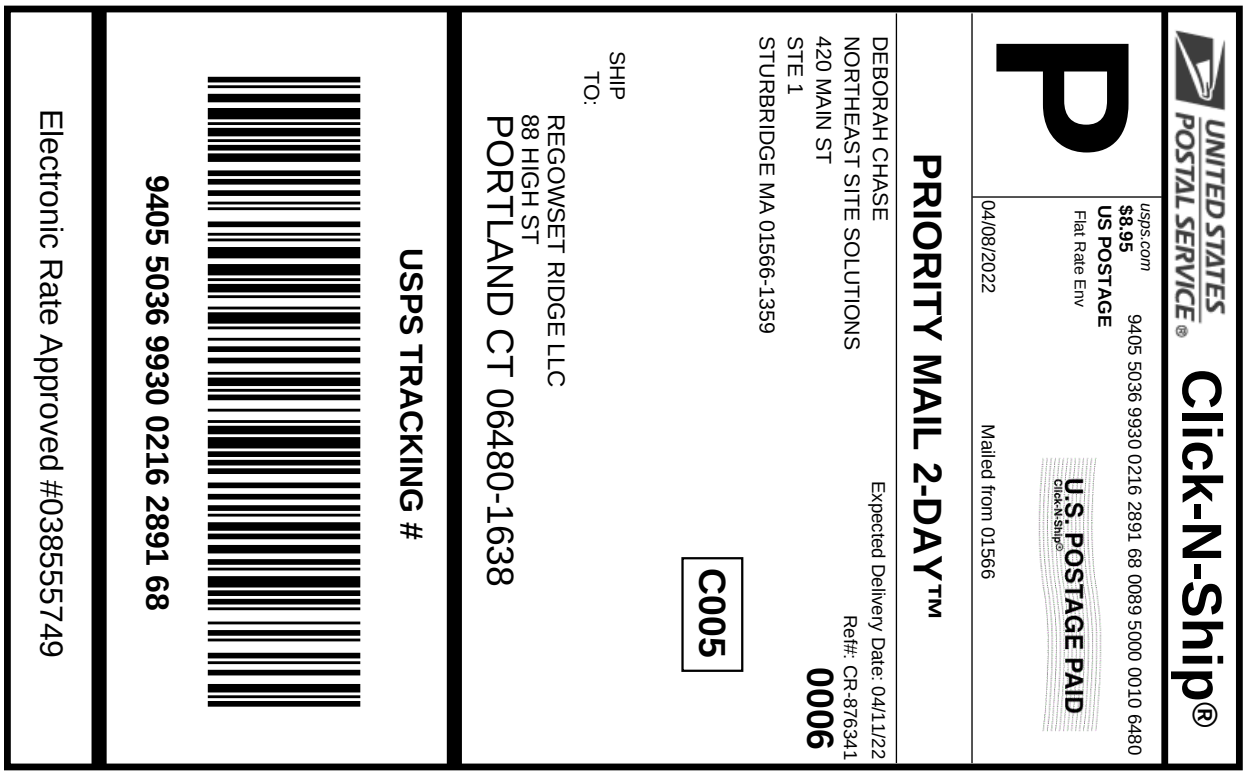

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Trans. #:	560774431
Print Date:	04/08/2022
Ship Date:	04/08/2022
Expected Delivery Date:	04/11/2022

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

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

Ref#: CR-876341

To: REGOWSET RIDGE LLC
88 HIGH ST
PORTLAND CT 06480-1638

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876341 Crown V2W

UNITED STATES POSTAL SERVICE.

FARMINGTON
210 MAIN ST
FARMINGTON, CT 06032-9998
(800)275-8777

04/11/2022 04:50 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Mon 04/11/2022 Tracking #: 9405 5036 9930 0216 2891 06	1		$0.00
Prepaid Mail Middletown, CT 06457 Weight: 0 lb 11.20 oz Acceptance Date: Mon 04/11/2022 Tracking #: 9405 5036 9930 0216 2891 44	1		$0.00
Prepaid Mail Portland, CT 06480 Weight: 0 lb 11.20 oz Acceptance Date: Mon 04/11/2022 Tracking #: 9405 5036 9930 0216 2891 68	1		$0.00
Prepaid Mail Middletown, CT 06457 Weight: 0 lb 11.20 oz Acceptance Date: Mon 04/11/2022 Tracking #: 9405 5036 9930 0216 2891 13	1		$0.00
Grand Total:			$0.00

****
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****