NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

October 26, 2021

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

RE: Exempt Modification Application
21 Acorn Road, Branford CT 06405
Latitude: 41.293092
Longitude: -72.762939
Site#: 876316_ Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 21 Acorn Road, Branford CT 06405. Verizon Wireless currently maintains fifteen (15) antennas at the 116-foot level of the existing 147-foot tower. The property is owned by 21 Acorn Road LLC, and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antenna existing antenna with nine (9) new antenna. The new antennas would be installed at the 116-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and **5G** capable.

Verizon Planned Modifications:
Remove: NONE

Remove and Replace:
(3) Nokia UHBA B13 RRH (REMOVE) – (3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRU (REPLACE)
(3) Nokia UHIE B66 RRH (REMOVE) – (3) Samsung B5/B13 -BRO4C – RFV01U-D2A RRU (REPLACE)
(3) BXA-171085 Antenna (REMOVE) – (3) MT6407-77A Antenna (REPLACE)
(6) SBNHH 1D65B Antenna (REMOVE) – (6) JAHH-65B-R3B Antenna (REPLACE)

Install New:
(1) Hybrid Lines
(3) Diplexers

Existing to Remain:
(2) LPA80080 Antenna
(2) LPA80063 Antenna
(2) APL868013 Antenna
(2) Raycap

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(6) Coax
(1) Hybrid Lines

The facility was approved by the Town of Branford Planning and Zoning on September 5, 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 The Honorable James B Cosgrove, First Selectman for the Town of Branford, Harry Smith, Town Planner, Crown Castle as the tower owner, and 21 Acorn Road LLC the 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, T-Mobile 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
Email: denise@northeastsitesolutions.com

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments
cc: The Honorable James B Cosgrove
Town of Branford – Planning and Zoning
1019 Main Street, Branford CT 06405

Harry Smith, Town Planner
Town of Branford – Planning and Zoning
1019 Main Street, Branford CT 06405

21 Acorn Road LLC, Property Owner
21 Acorn Rd, Branford CT 06405

Crown Castle, Tower Owner (via email to Sarah.Snell@crowncastle.com)
1800 W PARK DR
WESTBOROUGH, MA 01581-3926

Exhibit A

Original Facility Approval

H5/3/10

PLANNING AND ZONING COMMISSION
TOWN OF BRANFORD TOWN HALL DRIVE P.O. BOX 150
Branford, Connecticut 06405 488-1255

NOTICE OF DECISION

September 5, 1997

Sprint PCS
9 Barnes Industrial Road
Wallingford, Connecticut 06492

SUBJECT: Special Exception APPLICATION: #97-5.1

LOCATION: 21 Acorn Road

OWNER OF RECORD: Altrio Investment Group

Dear Sir:

At a meeting of the Branford Planning & Zoning Commission held on Thursday, September 4, 1997, the Commission voted to:

X Approve your above subject application with the conditions noted below.

Very truly yours,

Shirley Rasmussen
Town Planner

NOTE: This Special Exception shall become effective only after it is filed on the Land Records in the office of the Town Clerk.

1. Prior to issuance of a building permit, revise landscape plan to show plantings 5 to 6 feet in height on all four sides of the equipment area. 36" only 8 plants on two sides only

2. All users of the telecommunications facility must demonstrate compliance with current FCC regulations for electromagnetic frequency emissions and any future changes in these standards.

3. The owner of the telecommunications facility shall provide for and encourage co-location of other antennae on the facility.

NOTE: Special Exception shall become null and void in the event the applicant fails to obtain a building permit within one (1) year of date of approval.
(Per Section 31.7 of the Branford Zoning Regulations)

CC: Attorney John Knuff

Exhibit B

Property Card

21 ACORN RD

Location	21 ACORN RD	**Mblu**	H05/000 003/ 00010/ /
Acct#	008133	**Owner**	21 ACORN ROAD LLC
Assessment	$707,600	**Appraisal**	$1,010,700
PID	1176	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$569,600	$441,100	$1,010,700

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$398,800	$308,800	$707,600

Owner of Record

Owner	21 ACORN ROAD LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	21 ACORN RD BRANFORD, CT 06405	**Book & Page**	1279/0300
		Sale Date	03/17/2020
		Instrument	3

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
21 ACORN ROAD LLC	$0		1279/0300	3	03/17/2020
ALTRIO INVESTMENT GROUP LLC	$0		0568/0731		04/08/1994

Building Information

Building 1 : Section 1

Year Built:	2001
Living Area:	10,911
Replacement Cost:	$698,865
Building Percent Good:	70

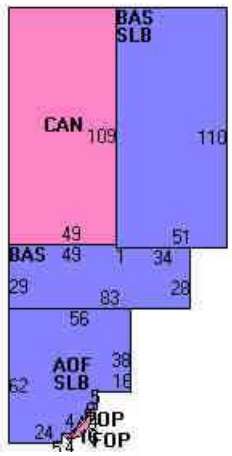
Replacement Cost
Less Depreciation: $489,200

Building Attributes	
Field	**Description**
STYLE	Warehouse
MODEL	Ind/Comm
Grade	B
Stories:	1
Occupancy	1
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	T&G/Rubber
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	None
Bldg Use	COMM WHS MDL96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	HEAT/AC SPLIT
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	NONE
Rooms/Prtns	AVERAGE
Wall Height	17
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\01\93/16.jpg)

Building Layout



(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/1176_1176.jp

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	7,983	7,983
AOF	Office	2,928	2,928
CAN	Canopy	5,341	0
FOP	Porch, Open	80	0
SLB	Slab	8,538	0
		24,870	10,911

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
SPR1	SPRINKLERS-WET	13324 S.F.	$14,000	1
SPR2	WET/CONCEALED	2928 S.F.	$4,100	1
A/C	AIR CONDITION	2928 S.F.	$4,500	1

GEN4	GEN 100+ KW PRMT BKP	0 UNITS	$30,000	1

Land

Land Use

Use Code	3160
Description	COMM WHS MDL96
Zone	IG-2
Neighborhood	350
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1.56
Frontage	
Depth	
Assessed Value	$308,800
Appraised Value	$441,100

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAVING-ASPHALT			21000 S.F.	$24,300	1
FN3	FENCE-6' CHAIN			500 L.F.	$3,500	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$569,600	$441,100	$1,010,700
2019	$626,560	$485,210	$1,111,770
2018	$507,600	$428,300	$935,900

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$398,800	$308,800	$707,600
2019	$438,680	$339,680	$778,360
2018	$355,300	$299,900	$655,200

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Connecticut Turnpike
Rodeway Inn & Suites
Branford - Guilford
Acorn Rd
Zuwallick Ln
Gould Ln
Stan Pak
Acorn Rd
Leetes Island Rd
St Therese Church (St.
John Bosco Parish)
Red Hill Rd

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 467642
VERIZON SITE NAME: BRANFORD 3 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 147'-0"

BUSINESS UNIT #: 876316
SITE ADDRESS: 21 ACORN ROAD, BRANFORD, CT 06405
COUNTY: NEW HAVEN
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD 16244072

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	SECONDINO PROPERTY
SITE ADDRESS:	21 ACORN ROAD BRANFORD, CT 06405
COUNTY:	NEW HAVEN
MAP/PARCEL #:	H05/000/003/00010
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.293092
LONGITUDE:	-72.762939
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	111'
CURRENT ZONING:	IG-2 (GENERAL INDUSTRIAL-2)
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:	21 ACORN ROAD LLC 21 ACORN RD BRANFORD, CT 06405
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 COMPANY
TELCO PROVIDER:	NOT PROVIDED

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 JENNY PAUL (918) 587-4630
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 N/A - PROJECT MANAGER N/A - CONSTRUCTION MANAGER
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10039600
VzW LOCATION CODE (PSLC)	467642

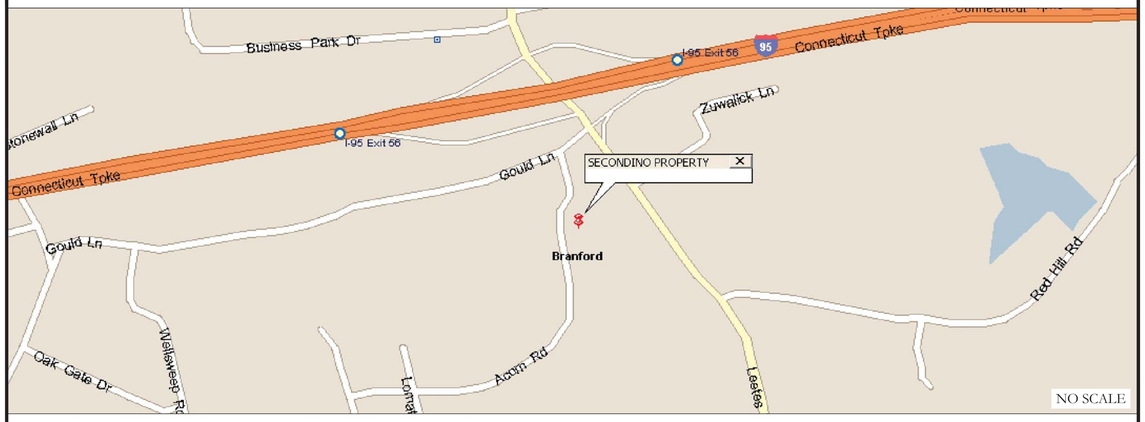
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	**N**

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT:

HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT. SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT. SLIGHT LEFT. CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON. CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON. USE THE RIGHT 2 LANES TO MERGE WITH I-91 S TOWARD HARTFORD. KEEP RIGHT TO STAY ON I-91 S. KEEP RIGHT TO STAY ON I-91 S. USE THE LEFT LANE TO MERGE WITH I-95 N TOWARD NEW LONDON. TAKE EXIT 56 FOR LEETES ISLAND RD TOWARD.. TURN RIGHT ONTO LEETES ISLAND RD. TURN RIGHT AT THE 1ST CROSS STREET ONTO GOULD LN. TURN LEFT ONTO ACORN RD. TURN LEFT. DESTINATION WILL BE ON THE LEFT

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 WITH AMENDMENTS / 2018 CT SBC
MECHANICAL	2015 IMC WITH AMENDMENTS
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	TOWER ENGINEERING PROFESSIONALS
DATED:	5/2/21
MOUNT ANALYSIS:	GPD ENGINEERING AND ARCHITECTURE PROFESSIONAL CORPORATION
DATED:	6/25/21
RFDS REVISION:	0
DATED:	2/4/21
ORDER ID:	552620
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (9) ANTENNAS
- REMOVE (6) RADIOs
- INSTALL (6) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (3) DIPLEXERs
- INSTALL (1) OVP
- INSTALL (1) 6X12 HYBRID CABLE

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:
467642

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/20/21	JJR	CONSTRUCTION	JJR
1	9/29/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG
3	10/7/21	TDG	CONSTRUCTION	TDG

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

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

SHEET NUMBER: T-1
REVISION: 3

137117.003.01_SECONDINO_PROPERTY.dwg – Sheet:T-1 – User: tim.grove – Oct 07, 2021 – 8:33pm

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

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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:
467642

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/20/21	JJR	CONSTRUCTION	JJR
1	9/29/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG
3	10/7/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
CHAD TUTTLE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
10/7/21

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

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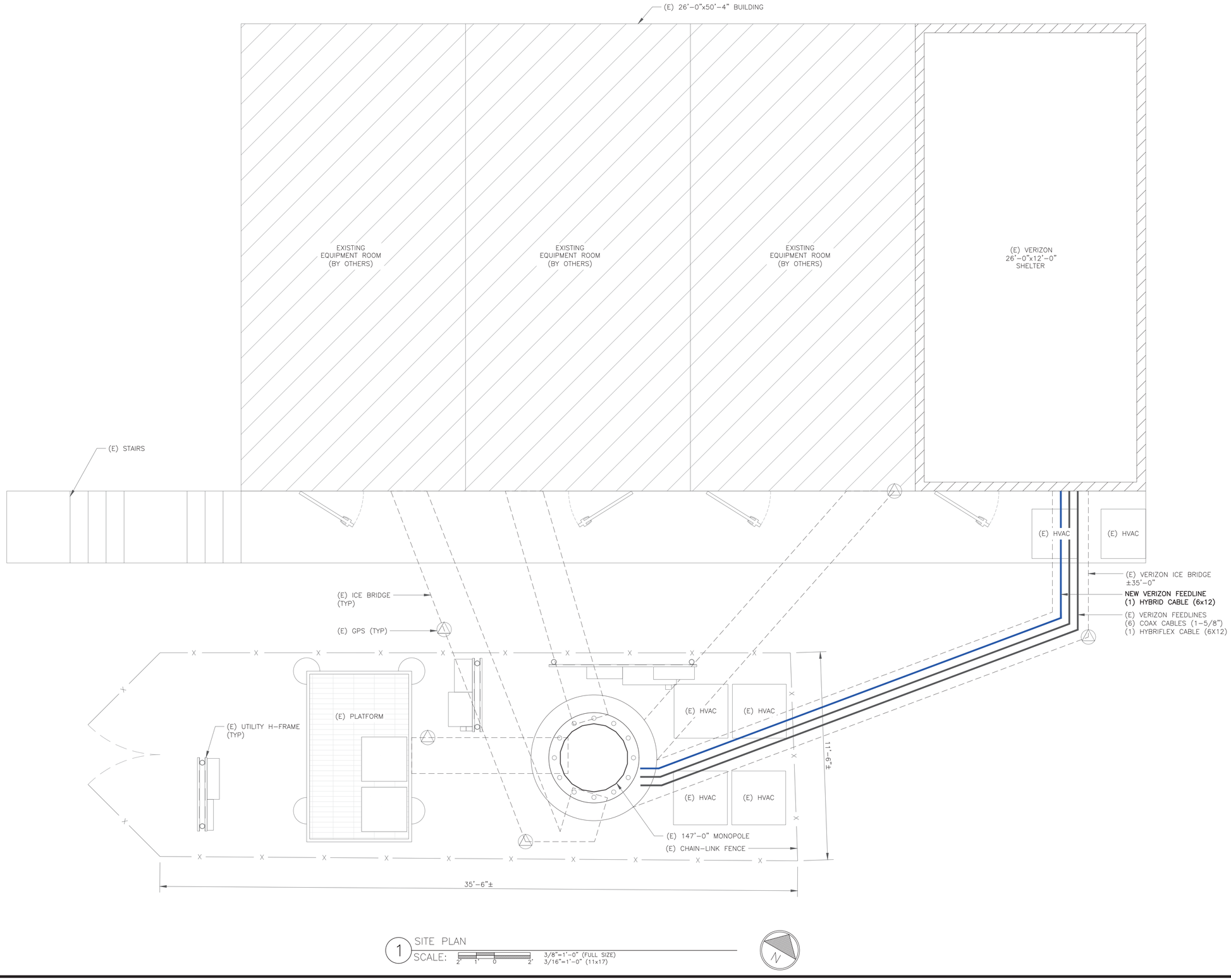
SHEET NUMBER: T-2
REVISION: 3



1 SITE PLAN
SCALE: 3/8"=1'-0" (FULL SIZE)
3/16"=1'-0" (11x17)

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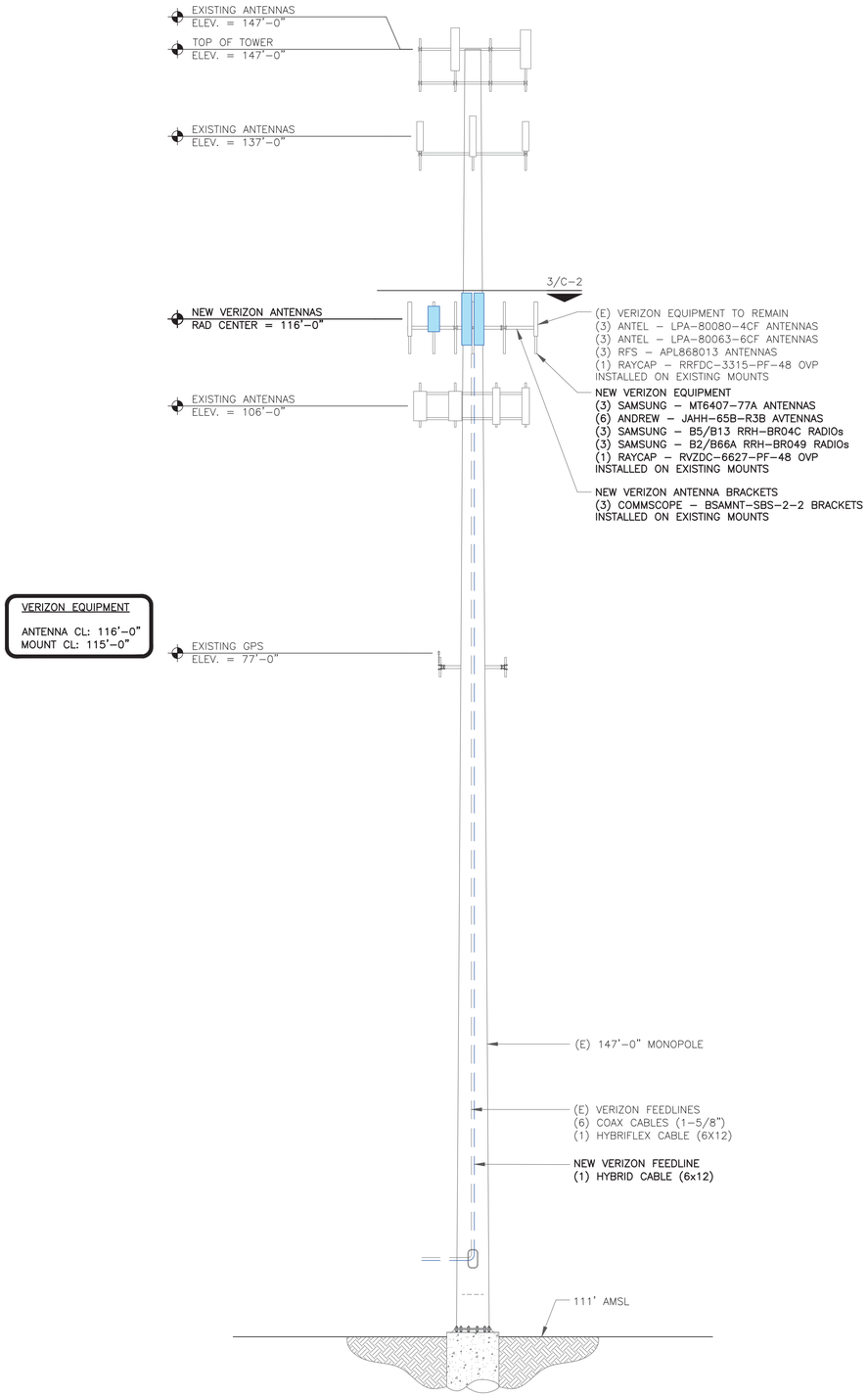
SHEET NUMBER: C-1
REVISION: 3

137117.003.01_SECONDINO PROPERTY.dwg - Sheet:C-1 - User: tim.grove - Oct 07, 2021 - 8:33pm



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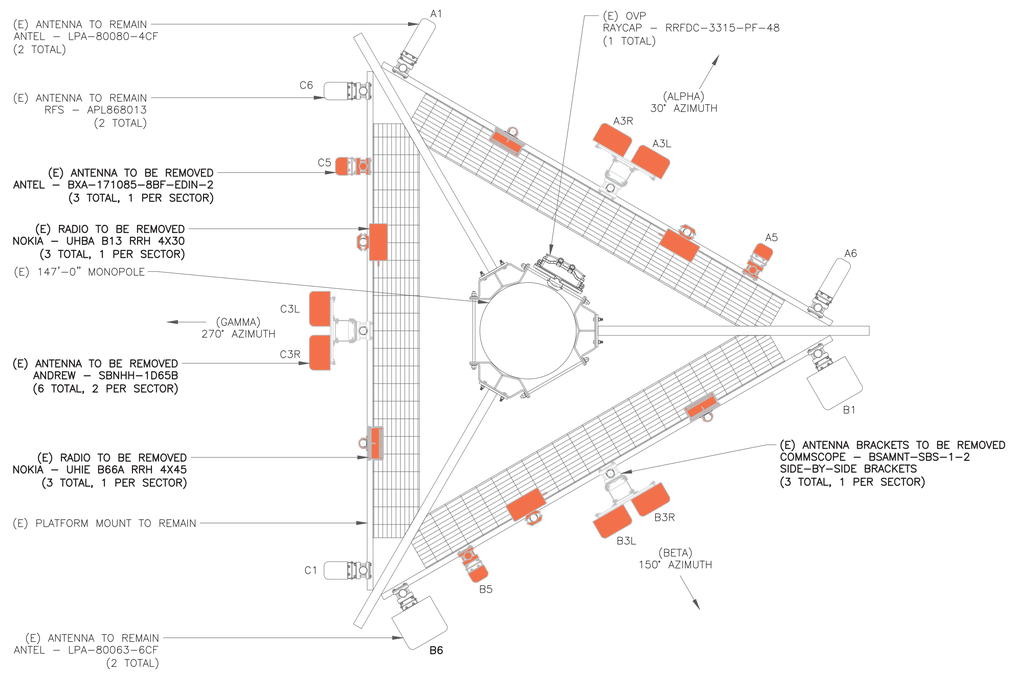

2 EXISTING ANTENNA PLAN
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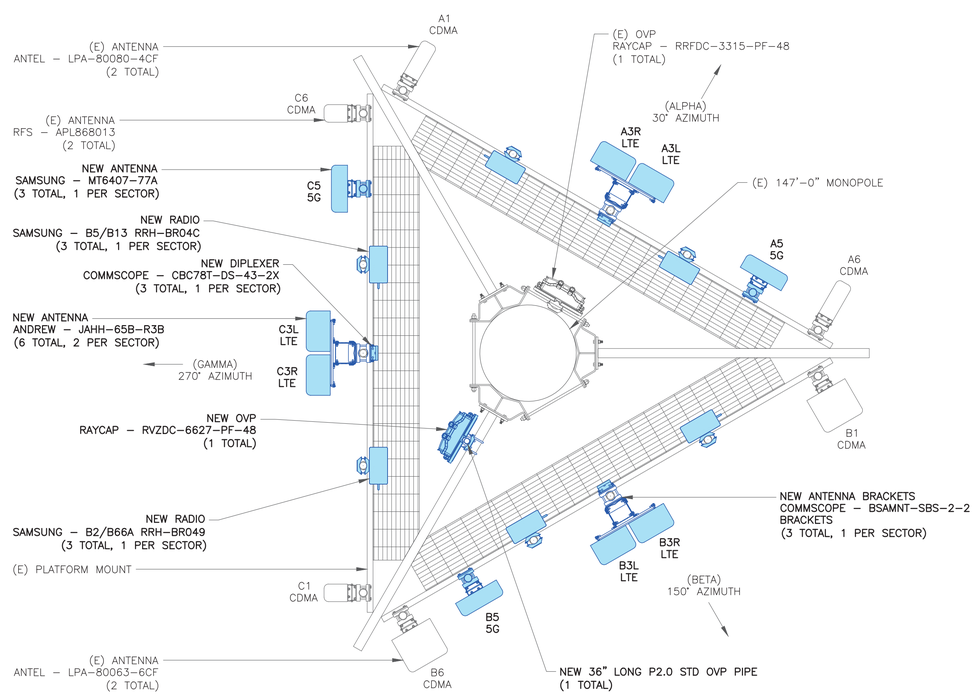

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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SHEET NUMBER: C-2

REVISION: 3

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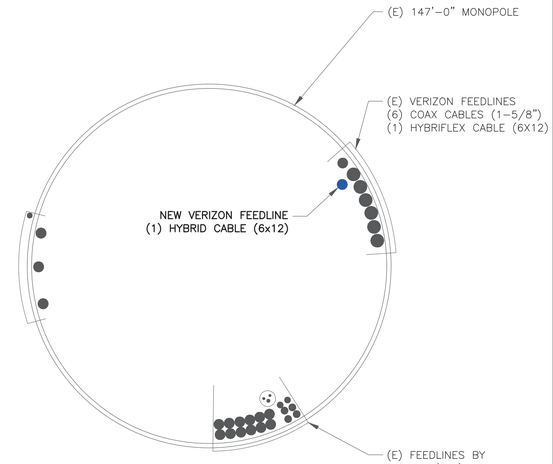
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-80080-4CF	116'-0"	30°	0°	0°	-	-
A2	-	-	-	-	-	-	-	RAYCAP	(1) RRFDC-3315-PF-48
A3L	NEW	ANDREW	JAHH-65B-R3B	116'-0"	30°	0°	2° / 2° / 2°	SAMSUNG COMMSCOPE	(1) B5/B13 RRH-BR04C (RFV01U-D2A) (1) CBC78T-DS-43-2X
A3R	NEW	ANDREW	JAHH-65B-R3B	116'-0"	30°	0°	2° / 2° / 2°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
A4	-	-	-	-	-	-	-	-	-
A5	NEW	SAMSUNG	MT6407-77A	116'-0"	30°	0°	3°	-	-
A6	EXISTING	ANTEL	LPA-80080-4CF	116'-0"	30°	0°	0°	-	-
B1	EXISTING	ANTEL	LPA-80063/6CF	116'-0"	150°	2°	0°	-	-
B2	-	-	-	-	-	-	-	-	-
B3L	NEW	ANDREW	JAHH-65B-R3B	116'-0"	150°	0°	4° / 10° / 2°	SAMSUNG COMMSCOPE	(1) B5/B13 RRH-BR04C (RFV01U-D2A) (1) CBC78T-DS-43-2X
B3R	NEW	ANDREW	JAHH-65B-R3B	116'-0"	150°	0°	4° / 10° / 2°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
B4	-	-	-	-	-	-	-	-	-
B5	NEW	SAMSUNG	MT6407-77A	116'-0"	150°	0°	3°	-	-
B6	EXISTING	ANTEL	LPA-80063/6CF	116'-0"	150°	2°	0°	-	-
C1	EXISTING	RFS	APL868013	116'-0"	270°	4°	0°	-	-
C2	-	-	-	-	-	-	-	RAYCAP	(1) RVZDC-6627-PF-48
C3L	NEW	ANDREW	JAHH-65B-R3B	116'-0"	270°	0°	6° / 10° / 3°	SAMSUNG COMMSCOPE	(1) B5/B13 RRH-BR04C (RFV01U-D2A) (1) CBC78T-DS-43-2X
C3R	NEW	ANDREW	JAHH-65B-R3B	116'-0"	270°	0°	6° / 10° / 3°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
C4	-	-	-	-	-	-	-	-	-
C5	NEW	SAMSUNG	MT6407-77A	116'-0"	270°	0°	3°	-	-
C6	EXISTING	RFS	APL868013	116'-0"	270°	4°	0°	-	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	166'-0"±	6
EXISTING	HYBRID	6X12	166'-0"±	1
NEW	HYBRID	6X12	166'-0"±	1
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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SUITE 300
TULSA, OK 74119
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www.btgrp.com

VERIZON SITE NUMBER:
467642

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/20/21	JJR	CONSTRUCTION	JJR
1	9/29/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG
3	10/7/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
TIMOTHY D. GROVE
No. 23024
LICENSED
PROFESSIONAL ENGINEER
10/7/21

B&T ENGINEERING, INC.
PEC.0001564
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SHEET NUMBER: C-3
REVISION: 3

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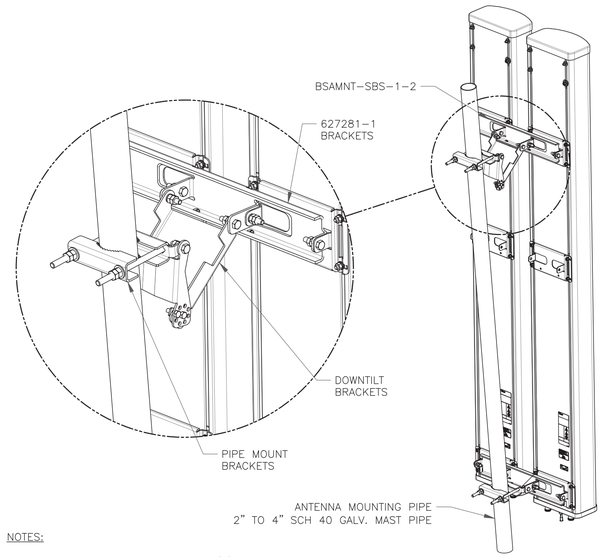
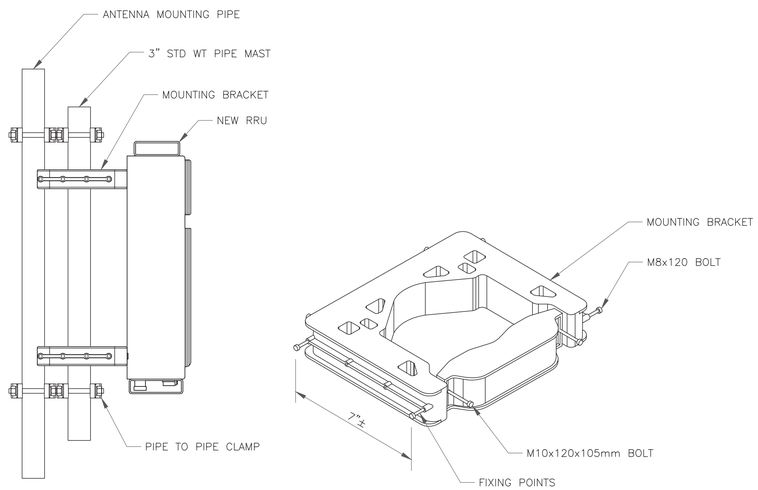


NOTES:

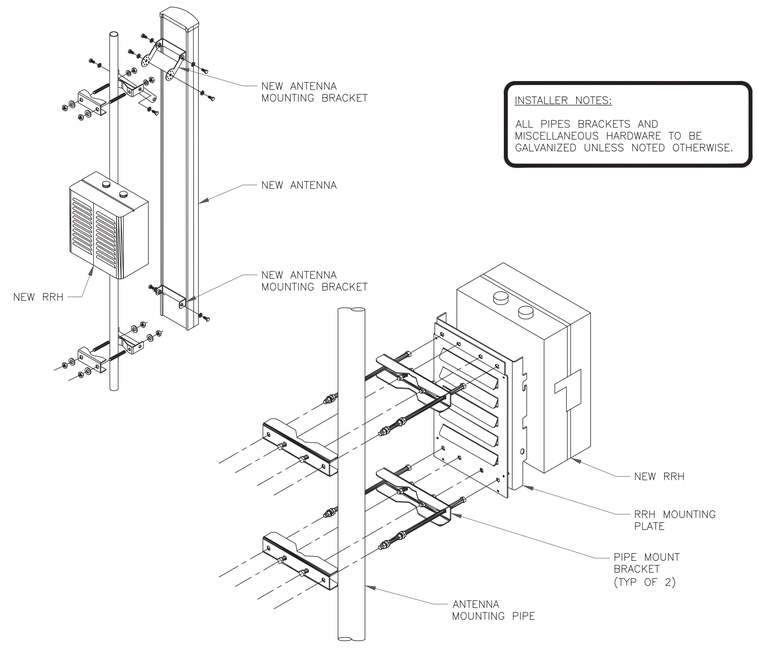
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **876316**
SECONDINO PROPERTY

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EXISTING 147'-0" MONOPOLE

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SHEET NUMBER: C-4

REVISION: 3

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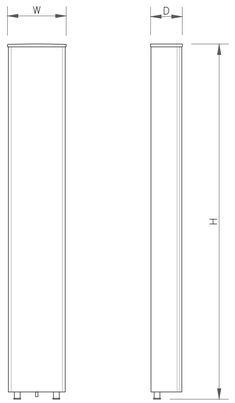
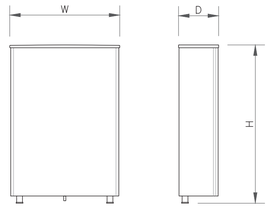


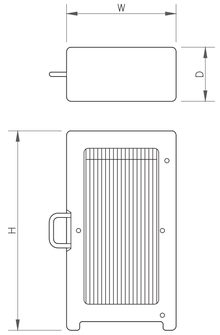
ANTENNA SPECS	
MANUFACTURER	ANDREW
MODEL #	JAHH-65B-R3B
WIDTH	13.8"
DEPTH	8.2"
HEIGHT	72"
WEIGHT	63.3 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



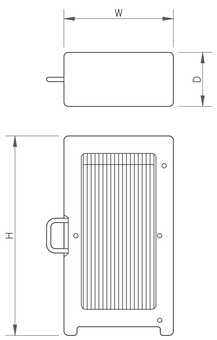
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.1 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH-BR04C
WIDTH	15"
DEPTH	8.1"
HEIGHT	15"
WEIGHT	70.3 LBS

3 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15"
DEPTH	10"
HEIGHT	15"
WEIGHT	84.4 LBS

4 RRU SPECS
SCALE: NOT TO SCALE

DIPLEXER SPECIFICATIONS	
MANUFACTURER	COMMSCOPE
MODEL #	CBC78T-DS-43-2X
WIDTH	6.9"
DEPTH	9.6"
HEIGHT	6.4"
WEIGHT	20.7 LBS

5 DIPLEXER SPECS
SCALE: NOT TO SCALE

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

6 OVP SPECS
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
467642

BU #: **876316**
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SHEET NUMBER: C-5

REVISION: 3

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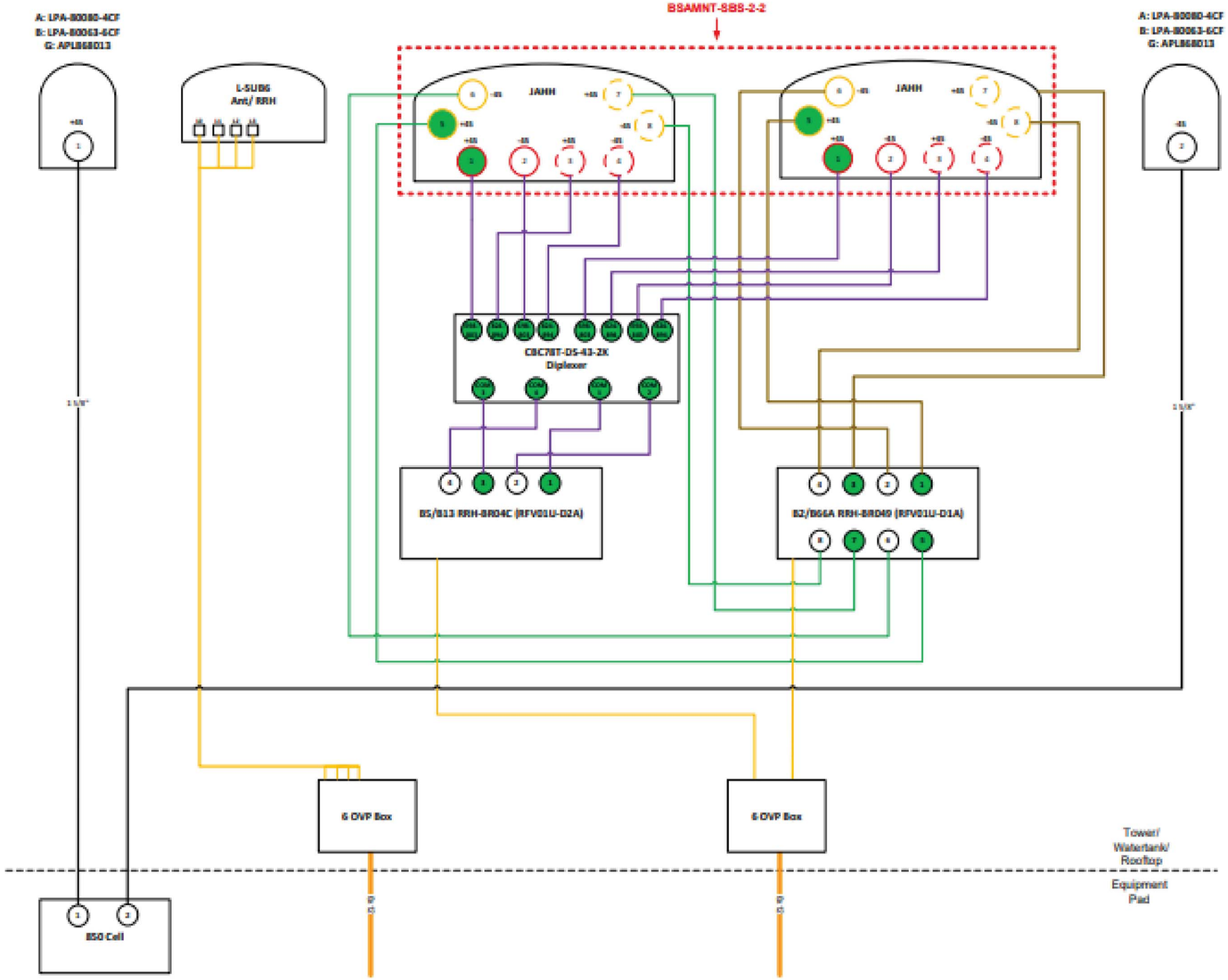
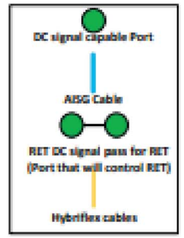
BSAMNT-8BS-2-2



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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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SHEET NUMBER: C-6

REVISION: 3

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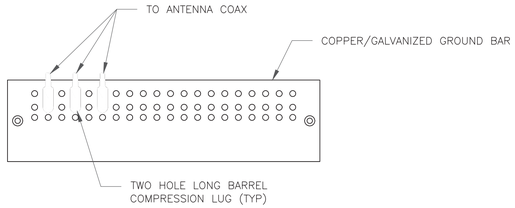
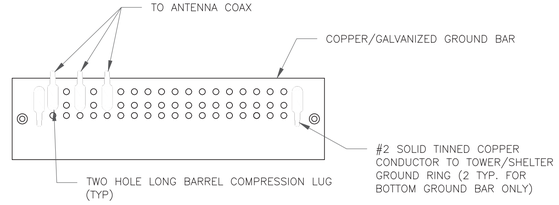


NOTES:

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

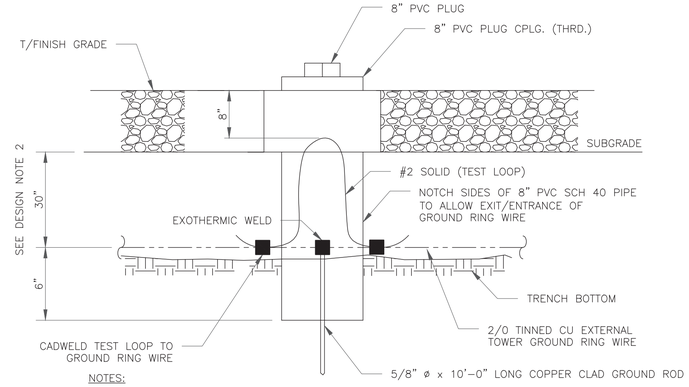
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

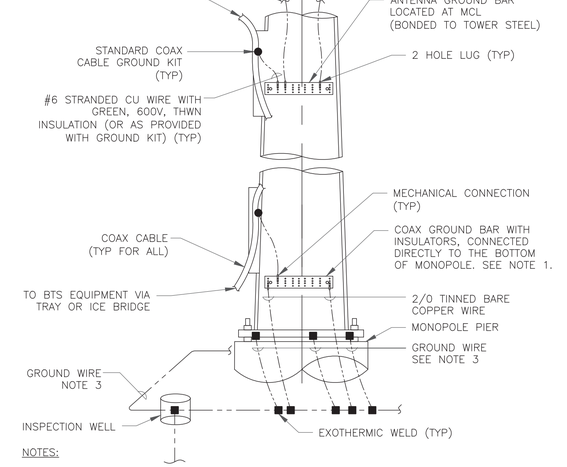
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

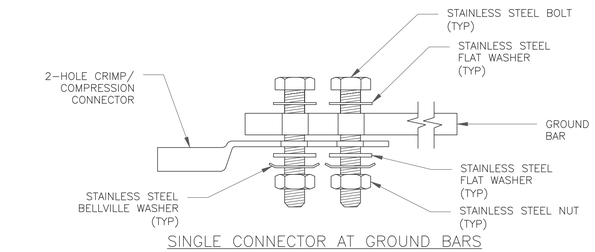
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



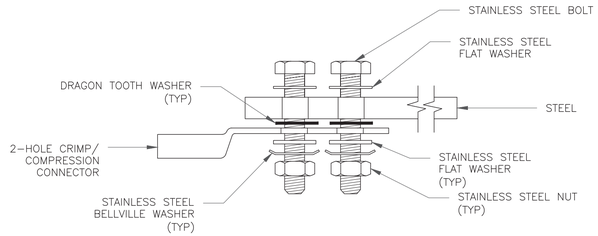
NOTES:

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

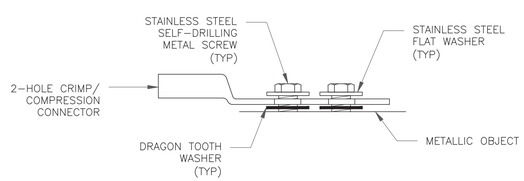
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

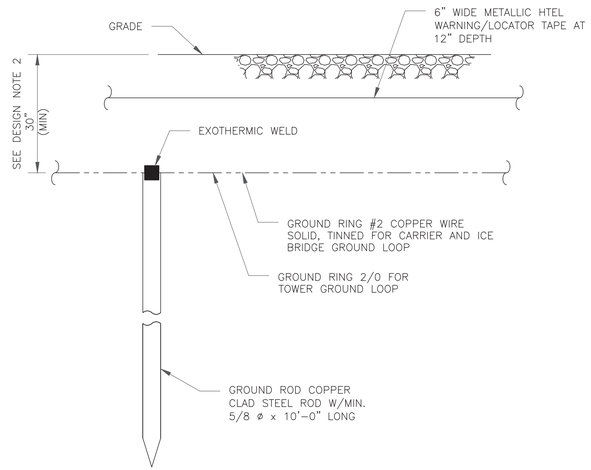


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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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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SHEET NUMBER: G-1
REVISION: 3

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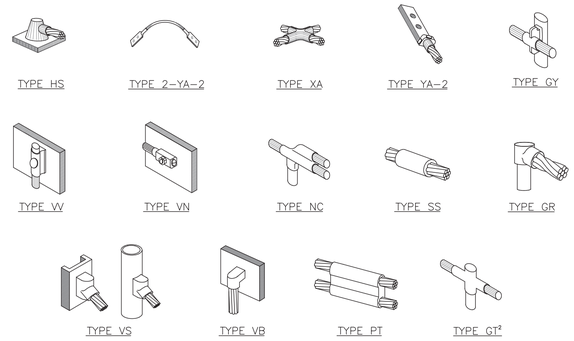
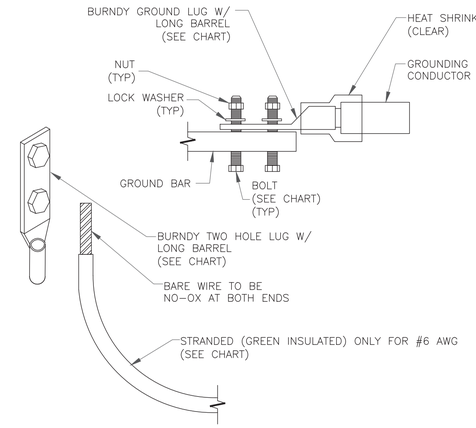


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

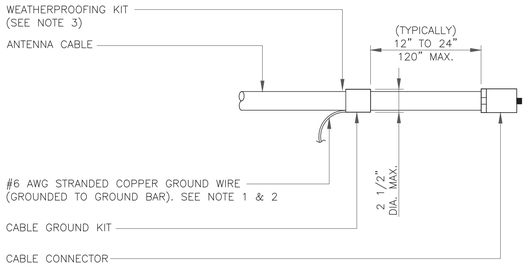
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

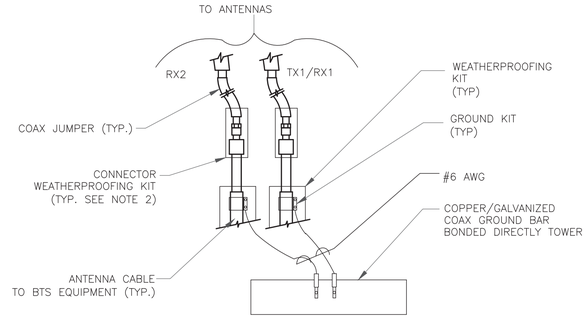
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

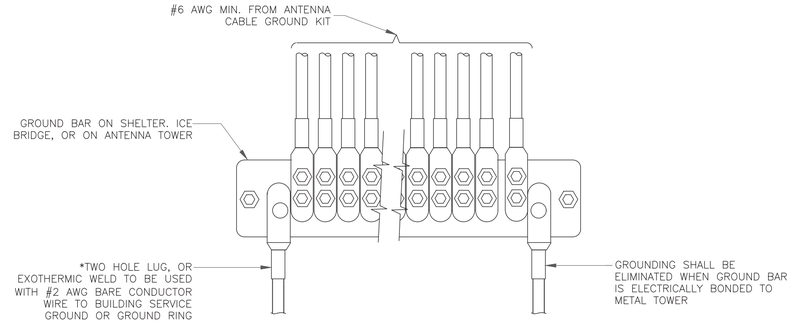
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



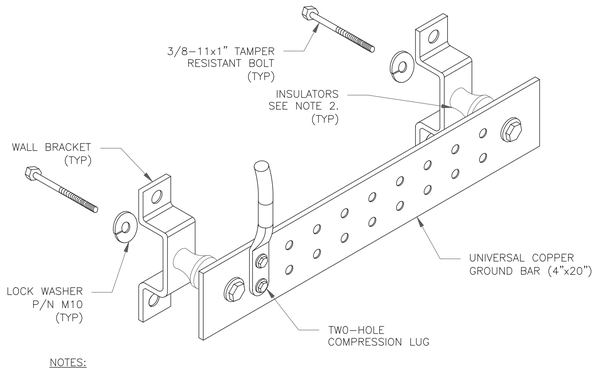
NOTES:

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



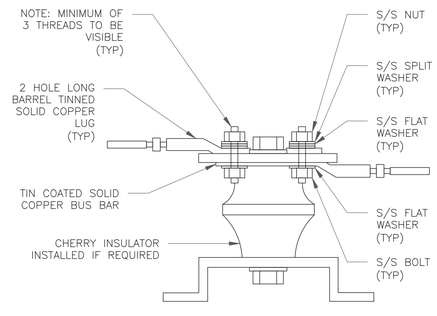
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



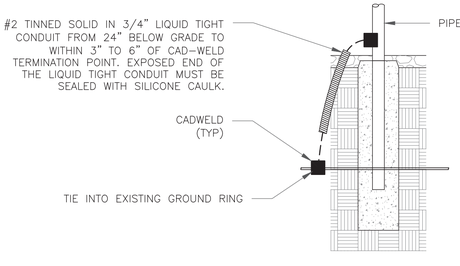
NOTES:

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

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:
467642

BU #: **876316**
SECONDINO PROPERTY

21 ACORN ROAD
BRANFORD, CT 06405

EXISTING 147'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/20/21	JJR	CONSTRUCTION	JJR
1	9/29/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG
3	10/7/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
No. 23024
LICENSED
PROFESSIONAL ENGINEER
10/7/21

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

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

SHEET NUMBER: G-2

REVISION: 3

137117.003.01_SECONDINO PROPERTY.dwg - Sheet:G-2 - User: tim.grove - Oct 07, 2021 - 8:33pm

Exhibit D

Structural Analysis Report

Date: **May 2, 2021**

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

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	467642
	Site Name:	Branford 3 CT
Crown Castle Designation:	**BU Number:**	876316
	Site Name:	Secondino Property
	JDE Job Number:	644628
	Work Order Number:	1957111
	Order Number:	552620 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25581.537040
Site Data:	**21 Acorn Road, Branford, New Haven County, CT 06405** **Latitude *41° 17' 35.06"*, Longitude *-72° 45' 46.40"*** **147 Foot - Monopole Tower**	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity – 96.1%**

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

Structural analysis prepared by: Paul Stewart, P.E.

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

05/02/2021

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA
Table 1 - Proposed Equipment Configuration
Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE
Table 3 - Documents Provided
3.1) Analysis Method
3.2) Assumptions

4) ANALYSIS RESULTS
Table 4 - Section Capacity (Summary)
Table 5 - Tower Component Stresses vs. Capacity
4.1) Recommendations

5) APPENDIX A
tnxTower Output

6) APPENDIX B
Base Level Drawing

7) APPENDIX C
Additional Calculations

1) INTRODUCTION

This tower is a 147-ft monopole tower designed by Paul J. Ford. The tower has been modified multiple times in the past to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 mph
Exposure Category:	C
Topographic Factor:	1.0
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)
118.0	118.0	2	Raycap	RRFDC-3315-PF-48	2	1-1/4
115.0	116.0	2	Antel	LPA-80080/4CF w/ Mount Pipe	6	1-5/8
		2	Antel	LPA-80063/6CF w/ Mount Pipe		
		2	RFS Celwave	APL868013-42T0 w/ Mount Pipe		
		3	VZW	Sub6 Antenna – VZS01 w/ Mount Pipe		
		6	Commscope	JAHH-65B-R3B w/ Mount Pipe		
		3	Commscope	CBC78T-DS-43-2X		
		3	Samsung Telecom	RFV01U-D1A		
		3	Samsung Telecom	RFV01U-D2A		
	115.0	1	Tower Mounts	Platform Mount [LP 714-1]		

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)
147.0	147.0	3	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe	1 3	5/8 1-1/4
		3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe		
		3	Alcatel Lucent	800 External Notch Filter		
		3	Alcatel Lucent	800MHZ RRH		
		9	RFS Celwave	ACU-A20-N		
		3	Alcatel Lucent	1900MHZ RRH (65MHZ)		
		3	Alcatel Lucent	TD-RRH8X20-25		
		1	Tower Mounts	Platform Mount [LP 1201-1]		
	143.0	1	Tower Mounts	Miscellaneous [NA 510-3]		
136.0	137.0	3	Ericsson	AIR6449 B41_T-MOBILE	3	1-5/8

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
		3	RFS Celwave	APX16DWV-16DWV-S-E-A20		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RADIO 4415 B66A		
		3	Ericsson	RADIO 4424 B25_TMOV1		
	136.0	1	Site Pro 1	RMQP-469-HK		
106.0	106.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	12 4 2 2 1	1-1/4 7/8 17/64 3/4 3/8
		3	Andrew	SBNHH-1D65A w/ Mount Pipe		
		3	CCI Antennas	DMP65R-BU4D w/ Mount Pipe		
		3	CCI Antennas	TPA-65R-BU4AA-K w/ Mount Pipe		
		6	Powerwave Technologies	LGP21401		
		6	Powerwave Technologies	7020.00		
		3	Ericsson	RRUS 32 B2_CCIV2		
		3	Ericsson	RADIO 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 4426 B66		
		3	Ericsson	RRUS 32 B30		
		3	Raycap	DC6-48-60-18-8F		
		1	Tower Mounts	Platform Mount [LP 1201-1_KCKR-HR-1]		
76.0	77.0	1	Kathrein	OG-860/1920/GPS-A	-	-
		1	Lucent	KS24019-L112A		
	76.0	1	Tower Mounts	Side Arm Mount [SO 701-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1529736	CCISites
Tower Foundation Drawings	1632435	CCISites
Tower Manufacturer Drawings	1632399	CCISites
Tower Reinforcement Drawings	2251030	CCISites
Post-Modification Inspection	2417887	CCISites
Tower Reinforcement Drawings	6823303	CCISites
Post-Modification Inspection	7151513	CCISites

3.1) Analysis Method

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

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

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
147 - 142	Pole	TP22.85x22x0.25	Pole	5.1%	Pass
142 - 137	Pole	TP23.7x22.85x0.25	Pole	9.5%	Pass
137 - 132	Pole	TP24.55x23.7x0.25	Pole	17.7%	Pass
132 - 127	Pole	TP25.4x24.55x0.25	Pole	25.1%	Pass
127 - 122	Pole	TP26.251x25.4x0.25	Pole	32.0%	Pass
122 - 117	Pole	TP27.101x26.251x0.25	Pole	38.4%	Pass
117 - 112	Pole	TP27.951x27.101x0.25	Pole	47.8%	Pass
112 - 108.75	Pole	TP29.141x27.951x0.25	Pole	53.9%	Pass
108.75 - 103.75	Pole	TP28.854x28.003x0.3125	Pole	51.7%	Pass
103.75 - 98.75	Pole	TP29.704x28.854x0.3125	Pole	60.2%	Pass
98.75 - 93.75	Pole	TP30.554x29.704x0.3125	Pole	67.7%	Pass
93.75 - 89.67	Pole	TP31.248x30.554x0.3125	Pole	73.4%	Pass
89.67 - 89.42	Pole + Reinf.	TP31.291x31.248x0.3188	Pole	74.3%	Pass
89.42 - 88.08	Pole + Reinf.	TP31.518x31.291x0.3188	Pole	76.2%	Pass
88.08 - 87.83	Pole + Reinf.	TP31.56x31.518x0.5125	Reinf. 5 Tension Rupture	64.3%	Pass
87.83 - 85.83	Pole + Reinf.	TP31.9x31.56x0.5125	Reinf. 5 Tension Rupture	66.7%	Pass
85.83 - 85.58	Pole + Reinf.	TP31.943x31.9x0.5125	Reinf. 3 Tension Rupture	67.5%	Pass
85.58 - 84.5	Pole + Reinf.	TP32.127x31.943x0.5125	Reinf. 3 Tension Rupture	68.8%	Pass
84.5 - 84.25	Pole + Reinf.	TP32.17x32.127x0.475	Reinf. 3 Tension Rupture	70.5%	Pass
84.25 - 79.25	Pole + Reinf.	TP33.02x32.17x0.4625	Reinf. 3 Tension Rupture	76.2%	Pass
79.25 - 78	Pole + Reinf.	TP33.955x33.02x0.4625	Reinf. 3 Tension Rupture	77.6%	Pass
78 - 72.75	Pole + Reinf.	TP33.5x32.607x0.5625	Reinf. 2 Tension Rupture	74.2%	Pass
72.75 - 67.75	Pole + Reinf.	TP34.35x33.5x0.5625	Reinf. 2 Tension Rupture	78.5%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
67.75 - 63.08	Pole + Reinf.	TP35.144x34.35x0.55	Reinf. 2 Tension Rupture	82.2%	Pass
63.08 - 62.83	Pole + Reinf.	TP35.187x35.144x0.7125	Reinf. 10 Tension Rupture	67.4%	Pass
62.83 - 57.83	Pole + Reinf.	TP36.037x35.187x0.7	Reinf. 10 Tension Rupture	70.7%	Pass
57.83 - 52.83	Pole + Reinf.	TP36.887x36.037x0.6875	Reinf. 10 Tension Rupture	73.8%	Pass
52.83 - 47.83	Pole + Reinf.	TP37.737x36.887x0.6875	Reinf. 10 Tension Rupture	76.8%	Pass
47.83 - 47.5	Pole + Reinf.	TP38.601x37.737x0.675	Reinf. 10 Tension Rupture	77.0%	Pass
47.5 - 42.5	Pole + Reinf.	TP37.894x37.043x0.75	Reinf. 10 Tension Rupture	75.6%	Pass
42.5 - 37.5	Pole + Reinf.	TP38.744x37.894x0.7375	Reinf. 10 Tension Rupture	77.9%	Pass
37.5 - 32.75	Pole + Reinf.	TP39.551x38.744x0.7375	Reinf. 10 Tension Rupture	80.1%	Pass
32.75 - 32.5	Pole + Reinf.	TP39.594x39.551x0.7875	Reinf. 3 Tension Rupture	73.9%	Pass
32.5 - 27.5	Pole + Reinf.	TP40.444x39.594x0.775	Reinf. 3 Tension Rupture	75.8%	Pass
27.5 - 22.5	Pole + Reinf.	TP41.294x40.444x0.7625	Reinf. 8 Tension Rupture	77.7%	Pass
22.5 - 17.5	Pole + Reinf.	TP42.144x41.294x0.7625	Reinf. 8 Tension Rupture	79.5%	Pass
17.5 - 12.5	Pole + Reinf.	TP42.995x42.144x0.75	Reinf. 8 Tension Rupture	81.2%	Pass
12.5 - 8.08	Pole + Reinf.	TP43.746x42.995x0.7375	Reinf. 8 Tension Rupture	82.6%	Pass
8.08 - 7.83	Pole + Reinf.	TP43.788x43.746x0.8	Reinf. 3 Tension Rupture	80.5%	Pass
7.83 - 6.42	Pole + Reinf.	TP44.029x43.788x0.7875	Reinf. 3 Tension Rupture	80.9%	Pass
6.42 - 6.17	Pole + Reinf.	TP44.071x44.029x0.775	Reinf. 3 Tension Rupture	81.2%	Pass
6.17 - 4.33	Pole + Reinf.	TP44.383x44.071x0.775	Reinf. 3 Tension Rupture	81.8%	Pass
4.33 - 4.08	Pole + Reinf.	TP44.426x44.383x0.8375	Reinf. 9 Tension Rupture	79.1%	Pass
4.08 - 3.23	Pole + Reinf.	TP44.57x44.426x0.875	Reinf. 1 Tension Rupture	73.4%	Pass
3.23 - 2.88	Pole + Reinf.	TP44.63x44.57x0.7875	Reinf. 1 Tension Rupture	76.1%	Pass
2.88 - 2.67	Pole + Reinf.	TP44.667x44.63x0.7875	Reinf. 1 Tension Rupture	76.2%	Pass
2.67 - 2.08	Pole + Reinf.	TP44.766x44.667x0.7875	Reinf. 1 Tension Rupture	76.3%	Pass
2.08 - 1.83	Pole + Reinf.	TP44.808x44.766x0.575	Reinf. 7 Compression	95.7%	Pass
1.83 - 0	Pole + Reinf.	TP45.12x44.808x0.575	Reinf. 7 Compression	96.1%	Pass
				Summary	
			Pole	82.6%	Pass
			Reinforcement	96.1%	Pass
			Overall	**96.1%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	94.4	Pass
1,2	Base Plate	-	79.1	Pass
1,2	Base Foundation Soil Interaction	-	56.1	Pass
1,2	Base Foundation Structural	-	53.7	Pass

Structure Rating (max from all components) =	**96.1%**

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

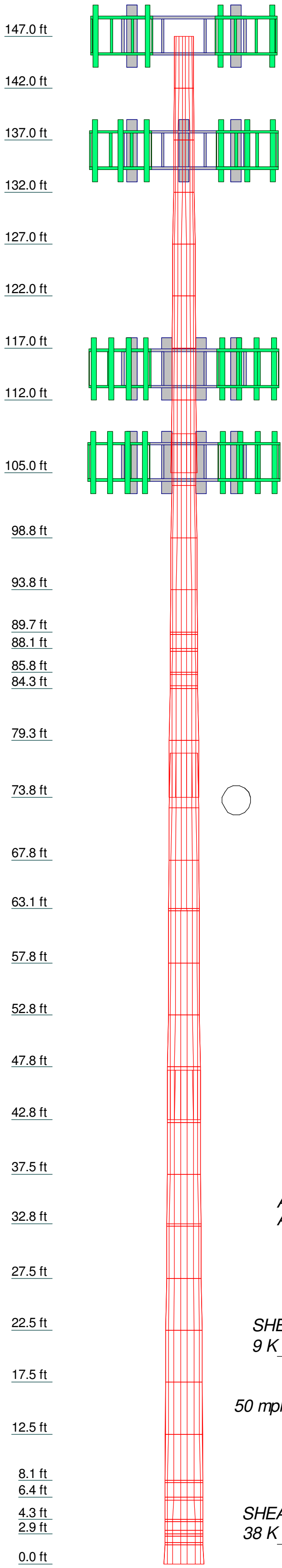
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	18	0.2500		22.0000	22.8501	A607-60	0.3
2	5.00	18	0.2500		22.8501	23.7002		0.3
3	5.00	18	0.2500		23.7002	24.5504		0.3
4	5.00	18	0.2500		24.5504	25.4005		0.3
5	5.00	18	0.2500		25.4005	26.2506		0.3
6	5.00	18	0.2500		26.2506	27.1007		0.4
7	5.00	18	0.2500		27.1007	27.9508		0.4
8	7.00	18	0.2500	3.75	27.9508	29.1410		0.5
9	5.00	18	0.3125		[illegible]	[illegible]		0.5
10	5.00	18	0.3125		28.8538	29.7039		0.5
11	5.00	18	0.3125		29.7039	30.5541		0.5
12	4.08	18	[illegible]		[illegible]	[illegible]		0.4
13–19	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
20	5.00	18	[illegible]		[illegible]	[illegible]		0.8
21	[illegible]	18	0.4625	4.25	33.0198	33.9550		0.9
22	[illegible]	18	[illegible]		[illegible]	[illegible]		1.0
23	5.00	18	0.5625		[illegible]	[illegible]		1.0
24	4.67	18	[illegible]		[illegible]	[illegible]		0.9
25	0.25	18	[illegible]		[illegible]	[illegible]		0.1
26	5.00	18	[illegible]		[illegible]	[illegible]		1.3
27	5.00	18	0.6875		36.0369	36.8871		1.3
28	5.00	18	0.6875		36.8871	37.7372		1.3
29	[illegible]	18	[illegible]	4.75	[illegible]	[illegible]		1.4
30	[illegible]	18	[illegible]		[illegible]	[illegible]		1.5
31	5.00	18	[illegible]		[illegible]	[illegible]		1.5
32	4.75	18	[illegible]		[illegible]	[illegible]		1.4
33	0.25	18	[illegible]		[illegible]	[illegible]		0.1
34	5.00	18	[illegible]		[illegible]	[illegible]		1.6
35	5.00	18	0.7625		40.4440	41.2942		1.7
36	5.00	18	0.7625		41.2942	42.1444		1.7
37	5.00	18	0.7500		42.1444	42.9946		1.7
38	4.42	18	[illegible]		[illegible]	[illegible]		1.5
39–49	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C 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 0.00 ft
8. TOWER RATING: 96.1%

ALL REACTIONS ARE FACTORED

AXIAL 100 K
SHEAR 9 K
MOMENT 959 kip-ft
TORQUE 1 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 61 K
SHEAR 38 K
MOMENT 4059 kip-ft
TORQUE 4 kip-ft
REACTIONS - 130 mph WIND

Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job: **Secondino Property (BU 876316)**		
	Project: **TEP No. 25581.537040**		
	Client: Crown Castle	Drawn by: PRS	App'd:
	Code: TIA-222-H	Date: 05/02/21	Scale: NTS
	Path: C:\Users\pstewart\Desktop\Structural TNX Files\876316\tnxTower\876313_1957111_LC7.eri		Dwg No. E-1

Tower Input Data

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

Tower is located in New Haven County, Connecticut.
Tower base elevation above sea level: 115.00 ft.
Basic wind speed of 130 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.5000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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	147.00-142.00	5.00	0.00	18	22.0000	22.8501	0.2500	1.0000	A607-60 (60 ksi)
L2	142.00-137.00	5.00	0.00	18	22.8501	23.7002	0.2500	1.0000	A607-60 (60 ksi)
L3	137.00-132.00	5.00	0.00	18	23.7002	24.5504	0.2500	1.0000	A607-60 (60 ksi)
L4	132.00-127.00	5.00	0.00	18	24.5504	25.4005	0.2500	1.0000	A607-60 (60 ksi)
L5	127.00-122.00	5.00	0.00	18	25.4005	26.2506	0.2500	1.0000	A607-60 (60 ksi)
L6	122.00-117.00	5.00	0.00	18	26.2506	27.1007	0.2500	1.0000	A607-60 (60 ksi)
L7	117.00-112.00	5.00	0.00	18	27.1007	27.9508	0.2500	1.0000	A607-60 (60 ksi)
L8	112.00-105.00	7.00	3.75	18	27.9508	29.1410	0.2500	1.0000	A607-60 (60 ksi)
L9	105.00-103.75	5.00	0.00	18	28.0034	28.8536	0.3125	1.2500	A607-60 (60 ksi)
L10	103.75-98.75	5.00	0.00	18	28.8536	29.7039	0.3125	1.2500	A607-60 (60 ksi)
L11	98.75-93.75	5.00	0.00	18	29.7039	30.5541	0.3125	1.2500	A607-60 (60 ksi)
L12	93.75-89.67	4.08	0.00	18	30.5541	31.2484	0.3125	1.2500	A607-60 (60 ksi)
L13	89.67-89.42	0.25	0.00	18	31.2484	31.2909	0.3187	1.2750	A607-60 (60 ksi)
L14	89.42-88.08	1.33	0.00	18	31.2909	31.5177	0.3187	1.2750	A607-60 (60 ksi)
L15	88.08-87.83	0.25	0.00	18	31.5177	31.5603	0.5125	2.0500	A607-60 (60 ksi)
L16	87.83-85.83	2.00	0.00	18	31.5603	31.9003	0.5125	2.0500	A607-60 (60 ksi)
L17	85.83-85.58	0.25	0.00	18	31.9003	31.9429	0.5125	2.0500	A607-60 (60 ksi)
L18	85.58-84.50	1.08	0.00	18	31.9429	32.1270	0.5125	2.0500	A607-60 (60 ksi)
L19	84.50-84.25	0.25	0.00	18	32.1270	32.1695	0.4750	1.9000	A607-60 (60 ksi)
L20	84.25-79.25	5.00	0.00	18	32.1695	33.0198	0.4625	1.8500	A607-60 (60 ksi)
L21	79.25-73.75	5.50	4.25	18	33.0198	33.9550	0.4625	1.8500	A607-60 (60 ksi)
L22	73.75-72.75	5.25	0.00	18	32.6073	33.5000	0.5625	2.2500	A607-60 (60 ksi)
L23	72.75-67.75	5.00	0.00	18	33.5000	34.3502	0.5625	2.2500	A607-60 (60 ksi)
L24	67.75-63.08	4.67	0.00	18	34.3502	35.1442	0.5500	2.2000	A607-60 (60 ksi)
L25	63.08-62.83	0.25	0.00	18	35.1442	35.1867	0.7125	2.8500	A607-60 (60 ksi)
L26	62.83-57.83	5.00	0.00	18	35.1867	36.0369	0.7000	2.8000	A607-60 (60 ksi)
L27	57.83-52.83	5.00	0.00	18	36.0369	36.8871	0.6875	2.7500	A607-60 (60 ksi)
L28	52.83-47.83	5.00	0.00	18	36.8871	37.7372	0.6875	2.7500	A607-60 (60 ksi)
L29	47.83-42.75	5.08	4.75	18	37.7372	38.6010	0.6750	2.7000	A607-60 (60 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	42.75-42.50	5.00	0.00	18	37.0433	37.8935	0.7500	3.0000	A607-60 (60 ksi)
L31	42.50-37.50	5.00	0.00	18	37.8935	38.7437	0.7375	2.9500	A607-60 (60 ksi)
L32	37.50-32.75	4.75	0.00	18	38.7437	39.5514	0.7375	2.9500	A607-60 (60 ksi)
L33	32.75-32.50	0.25	0.00	18	39.5514	39.5939	0.7875	3.1500	A607-60 (60 ksi)
L34	32.50-27.50	5.00	0.00	18	39.5939	40.4440	0.7750	3.1000	A607-60 (60 ksi)
L35	27.50-22.50	5.00	0.00	18	40.4440	41.2942	0.7625	3.0500	A607-60 (60 ksi)
L36	22.50-17.50	5.00	0.00	18	41.2942	42.1444	0.7625	3.0500	A607-60 (60 ksi)
L37	17.50-12.50	5.00	0.00	18	42.1444	42.9946	0.7500	3.0000	A607-60 (60 ksi)
L38	12.50-8.08	4.42	0.00	18	42.9946	43.7456	0.7375	2.9500	A607-60 (60 ksi)
L39	8.08-7.83	0.25	0.00	18	43.7456	43.7881	0.8000	3.2000	A607-60 (60 ksi)
L40	7.83-6.42	1.42	0.00	18	43.7881	44.0289	0.7875	3.1500	A607-60 (60 ksi)
L41	6.42-6.17	0.25	0.00	18	44.0289	44.0714	0.7750	3.1000	A607-60 (60 ksi)
L42	6.17-4.33	1.83	0.00	18	44.0714	44.3832	0.7750	3.1000	A607-60 (60 ksi)
L43	4.33-4.08	0.25	0.00	18	44.3832	44.4257	0.8375	3.3500	A607-60 (60 ksi)
L44	4.08-3.23	0.85	0.00	18	44.4257	44.5703	0.8750	3.5000	A607-60 (60 ksi)
L45	3.23-2.88	0.35	0.00	18	44.5703	44.6298	0.7875	3.1500	A607-60 (60 ksi)
L46	2.88-2.67	0.22	0.00	18	44.6298	44.6665	0.7875	3.1500	A607-60 (60 ksi)
L47	2.67-2.08	0.58	0.00	18	44.6665	44.7658	0.7875	3.1500	A607-60 (60 ksi)
L48	2.08-1.83	0.25	0.00	18	44.7658	44.8083	0.5750	2.3000	A607-60 (60 ksi)
L49	1.83-0.00	1.83		18	44.8083	45.1200	0.5750	2.3000	A607-60 (60 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	22.3008	17.2586	1031.4832	7.7212	11.1760	92.2945	2064.3237	8.6310	3.4320	13.728
	23.1641	17.9332	1157.2217	8.0230	11.6079	99.6929	2315.9661	8.9683	3.5816	14.326
L2	23.1641	17.9332	1157.2217	8.0230	11.6079	99.6929	2315.9661	8.9683	3.5816	14.326
	24.0273	18.6078	1292.7845	8.3248	12.0397	107.3766	2587.2702	9.3057	3.7312	14.925
L3	24.0273	18.6078	1292.7845	8.3248	12.0397	107.3766	2587.2702	9.3057	3.7312	14.925
	24.8905	19.2823	1438.5414	8.6266	12.4716	115.3455	2878.9756	9.6430	3.8809	15.523
L4	24.8905	19.2823	1438.5414	8.6266	12.4716	115.3455	2878.9756	9.6430	3.8809	15.523
	25.7538	19.9569	1594.8617	8.9284	12.9034	123.5997	3191.8219	9.9803	4.0305	16.122
L5	25.7538	19.9569	1594.8617	8.9284	12.9034	123.5997	3191.8219	9.9803	4.0305	16.122
	26.6170	20.6315	1762.1150	9.2302	13.3353	132.1391	3526.5487	10.3177	4.1801	16.72
L6	26.6170	20.6315	1762.1150	9.2302	13.3353	132.1391	3526.5487	10.3177	4.1801	16.72

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
	27.4802	21.3060	1940.6710	9.5320	13.7672	140.9638	3883.8955	10.6550	4.3297	17.319
L7	27.4802	21.3060	1940.6710	9.5320	13.7672	140.9638	3883.8955	10.6550	4.3297	17.319
	28.3435	21.9806	2130.8991	9.8338	14.1990	150.0736	4264.6021	10.9924	4.4793	17.917
L8	28.3435	21.9806	2130.8991	9.8338	14.1990	150.0736	4264.6021	10.9924	4.4793	17.917
	29.5520	22.9250	2417.5313	10.2563	14.8036	163.3067	4838.2436	11.4647	4.6888	18.755
L9	29.0347	27.4659	2660.7625	9.8303	14.2257	187.0387	5325.0261	13.7356	4.3786	14.012
	29.2505	28.3092	2913.4545	10.1321	14.6576	198.7668	5830.7426	14.1573	4.5282	14.49
L10	29.2505	28.3092	2913.4545	10.1321	14.6576	198.7668	5830.7426	14.1573	4.5282	14.49
	30.1139	29.1526	3181.6592	10.4339	15.0896	210.8516	6367.5048	14.5791	4.6779	14.969
L11	30.1139	29.1526	3181.6592	10.4339	15.0896	210.8516	6367.5048	14.5791	4.6779	14.969
	30.9772	29.9959	3465.8386	10.7358	15.5215	223.2931	6936.2377	15.0008	4.8275	15.448
L12	30.9772	29.9959	3465.8386	10.7358	15.5215	223.2931	6936.2377	15.0008	4.8275	15.448
	31.6822	30.6845	3710.0702	10.9822	15.8742	233.7173	7425.0221	15.3452	4.9497	15.839
L13	31.6813	31.2919	3781.9784	10.9800	15.8742	238.2472	7568.9332	15.6489	4.9387	15.494
	31.7244	31.3349	3797.5943	10.9951	15.8958	238.9059	7600.1856	15.6704	4.9462	15.517
L14	31.7244	31.3349	3797.5943	10.9951	15.8958	238.9059	7600.1856	15.6704	4.9462	15.517
	31.9548	31.5644	3881.6479	11.0756	16.0110	242.4361	7768.4033	15.7852	4.9861	15.643
L15	31.9249	50.4354	6125.5276	11.0069	16.0110	382.5822	12259.1153	25.2225	4.6451	9.064
	31.9681	50.5046	6150.7583	11.0220	16.0326	383.6406	12309.6100	25.2571	4.6526	9.078
L16	31.9681	50.5046	6150.7583	11.0220	16.0326	383.6406	12309.6100	25.2571	4.6526	9.078
	32.3134	51.0578	6355.1029	11.1427	16.2054	392.1602	12718.5680	25.5338	4.7125	9.195
L17	32.3134	51.0578	6355.1029	11.1427	16.2054	392.1602	12718.5680	25.5338	4.7125	9.195
	32.3566	51.1270	6380.9598	11.1578	16.2270	393.2318	12770.3157	25.5683	4.7199	9.21
L18	32.3566	51.1270	6380.9598	11.1578	16.2270	393.2318	12770.3157	25.5683	4.7199	9.21
	32.5436	51.4265	6493.7817	11.2232	16.3205	397.8906	12996.1081	25.7182	4.7524	9.273
L19	32.5493	47.7202	6040.0696	11.2365	16.3205	370.0905	12088.0868	23.8646	4.8184	10.144
	32.5925	47.7842	6064.4393	11.2516	16.3421	371.0926	12136.8583	23.8967	4.8258	10.16
L20	32.5944	46.5451	5911.8380	11.2560	16.3421	361.7547	11831.4549	23.2770	4.8478	10.482
	33.4578	47.7932	6400.2843	11.5578	16.7740	381.5591	12808.9902	23.9012	4.9975	10.805
L21	33.4578	47.7932	6400.2843	11.5578	16.7740	381.5591	12808.9902	23.9012	4.9975	10.805
	34.4075	49.1662	6967.8502	11.8898	17.2491	403.9535	13944.8690	24.5877	5.1621	11.161
L22	33.7573	57.2120	7422.3235	11.3759	16.5645	448.0859	14854.4135	28.6114	4.7489	8.442
	33.9300	58.8058	8060.0585	11.6928	17.0180	473.6198	16130.7225	29.4085	4.9060	8.722
L23	33.9300	58.8058	8060.0585	11.6928	17.0180	473.6198	16130.7225	29.4085	4.9060	8.722
	34.7933	60.3236	8700.4359	11.9946	17.4499	498.5958	17412.3200	30.1675	5.0556	8.988
L24	34.7952	59.0049	8516.5381	11.9991	17.4499	488.0572	17044.2826	29.5081	5.0776	9.232
	35.6015	60.3911	9130.9799	12.2809	17.8533	511.4461	18273.9746	30.2013	5.2174	9.486
L25	35.5765	77.8665	11662.8608	12.2233	17.8533	653.2623	23341.0678	38.9406	4.9314	6.921
	35.6196	77.9626	11706.1101	12.2383	17.8749	654.8926	23427.6234	38.9887	4.9389	6.932
L26	35.6215	76.6226	11513.2544	12.2428	17.8749	644.1034	23041.6583	38.3186	4.9609	7.087
	36.4848	78.5115	12385.8944	12.5446	18.3067	676.5756	24788.0865	39.2632	5.1105	7.301
L27	36.4868	77.1368	12177.6317	12.5490	18.3067	665.1994	24371.2869	38.5757	5.1325	7.465
	37.3500	78.9920	13077.5657	12.8508	18.7386	697.8935	26172.3391	39.5035	5.2821	7.683
L28	37.3500	78.9920	13077.5657	12.8508	18.7386	697.8935	26172.3391	39.5035	5.2821	7.683
	38.2133	80.8471	14020.7792	13.1527	19.1705	731.3722	28060.0073	40.4313	5.4318	7.901
L29	38.2153	79.4040	13779.7938	13.1571	19.1705	718.8016	27577.7194	39.7095	5.4538	8.08
	39.0924	81.2546	14765.8777	13.4637	19.6093	753.0035	29551.1848	40.6350	5.6058	8.305
L30	38.3192	86.3963	14377.6008	12.8841	18.8180	764.0338	28774.1200	43.2064	5.1996	6.933
	38.3624	88.4201	15411.8439	13.1859	19.2499	800.6192	30843.9672	44.2185	5.3493	7.132
L31	38.3643	86.9757	15170.2855	13.1904	19.2499	788.0707	30360.5324	43.4961	5.3713	7.283
	39.2276	88.9658	16235.6382	13.4922	19.6818	824.9064	32492.6396	44.4914	5.5209	7.486
L32	39.2276	88.9658	16235.6382	13.4922	19.6818	824.9064	32492.6396	44.4914	5.5209	7.486
	40.0477	90.8564	17292.8563	13.7789	20.0921	860.6799	34608.4670	45.4369	5.6630	7.679
L33	40.0400	96.8912	18393.9844	13.7612	20.0921	915.4840	36812.1721	48.4548	5.5750	7.079
	40.0832	96.9975	18454.5638	13.7763	20.1137	917.5129	36933.4105	48.5080	5.5825	7.089
L34	40.0851	95.4886	18179.1901	13.7807	20.1137	903.8221	36382.3008	47.7534	5.6045	7.232
	40.9484	97.5799	19399.9718	14.0825	20.5456	944.2410	38825.4705	48.7992	5.7542	7.425
L35	40.9503	96.0363	19105.1181	14.0869	20.5456	929.8898	38235.3752	48.0273	5.7762	7.575
	41.8136	98.0938	20359.5937	14.3888	20.9775	970.5462	40745.9771	49.0562	5.9258	7.772
L36	41.8136	98.0938	20359.5937	14.3888	20.9775	970.5462	40745.9771	49.0562	5.9258	7.772
	42.6769	100.1514	21667.8155	14.6906	21.4093	1012.0726	43364.1420	50.0852	6.0754	7.968
L37	42.6788	98.5393	21331.9245	14.6950	21.4093	996.3836	42691.9182	49.2790	6.0974	8.13

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
	43.5421	100.5632	22673.4757	14.9968	21.8412	1038.1040	45376.7858	50.2911	6.2470	8.329
L38	43.5441	98.9164	22315.3819	15.0013	21.8412	1021.7087	44660.1269	49.4676	6.2690	8.5
	44.3067	100.6745	23526.5037	15.2679	22.2228	1058.6666	47083.9643	50.3468	6.4012	8.68
L39	44.2970	109.0475	25409.1776	15.2457	22.2228	1143.3849	50851.7892	54.5341	6.2912	7.864
	44.3402	109.1554	25484.7044	15.2608	22.2444	1145.6702	51002.9422	54.5881	6.2987	7.873
L40	44.3421	107.4811	25108.3960	15.2652	22.2444	1128.7532	50249.8304	53.7508	6.3207	8.026
	44.5866	108.0829	25532.5236	15.3507	22.3667	1141.5432	51098.6435	54.0517	6.3631	8.08
L41	44.5885	106.3981	25149.0427	15.3551	22.3667	1124.3980	50331.1771	53.2091	6.3851	8.239
	44.6317	106.5026	25223.2630	15.3702	22.3883	1126.6286	50479.7154	53.2614	6.3926	8.248
L42	44.6317	106.5026	25223.2630	15.3702	22.3883	1126.6286	50479.7154	53.2614	6.3926	8.248
	44.9484	107.2697	25772.2128	15.4809	22.5467	1143.0599	51578.3373	53.6451	6.4474	8.319
L43	44.9387	115.7544	27731.0408	15.4587	22.5467	1229.9387	55498.5707	57.8882	6.3374	7.567
	44.9819	115.8674	27812.3320	15.4738	22.5683	1232.3639	55661.2602	57.9447	6.3449	7.576
L44	44.9761	120.9513	28982.7278	15.4605	22.5683	1284.2241	58003.5919	60.4871	6.2789	7.176
	45.1229	121.3527	29272.2372	15.5118	22.6417	1292.8462	58582.9915	60.6879	6.3044	7.205
L45	45.1364	109.4361	26503.5986	15.5429	22.6417	1170.5657	53042.0714	54.7285	6.4584	8.201
	45.1968	109.5849	26611.8216	15.5640	22.6719	1173.7782	53258.6596	54.8029	6.4688	8.214
L46	45.1968	109.5849	26611.8216	15.5640	22.6719	1173.7782	53258.6596	54.8029	6.4688	8.214
	45.2341	109.6767	26678.7573	15.5771	22.6906	1175.7630	53392.6193	54.8488	6.4753	8.223
L47	45.2341	109.6767	26678.7573	15.5771	22.6906	1175.7630	53392.6193	54.8488	6.4753	8.223
	45.3349	109.9249	26860.2937	15.6123	22.7410	1181.1377	53755.9308	54.9729	6.4928	8.245
L48	45.3677	80.6505	19897.9491	15.6877	22.7410	874.9799	39822.0804	40.3329	6.8668	11.942
	45.4109	80.7280	19955.4260	15.7028	22.7626	876.6749	39937.1098	40.3717	6.8743	11.955
L49	45.4109	80.7280	19955.4260	15.7028	22.7626	876.6749	39937.1098	40.3717	6.8743	11.955
	45.7273	81.2969	20380.2312	15.8135	22.9210	889.1526	40787.2793	40.6562	6.9291	12.051

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 147.00-142.00				1	1	1			
L2 142.00-137.00				1	1	1			
L3 137.00-132.00				1	1	1			
L4 132.00-127.00				1	1	1			
L5 127.00-122.00				1	1	1			
L6 122.00-117.00				1	1	1			
L7 117.00-112.00				1	1	1			
L8 112.00-105.00				1	1	1			
L9 105.00-103.75				1	1	1			
L10 103.75-98.75				1	1	1			
L11 98.75-93.75				1	1	1			
L12 93.75-89.67				1	1	1			
L13 89.67-89.42				1	1	1.16091			
L14 89.42-88.08				1	1	1.15959			
L15 88.08-87.83				1	1	0.949309			

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
L16 87.83-85.83				1	1	0.94563			
L17 85.83-85.58				1	1	1.05569			
L18 85.58-84.50				1	1	1.05309			
L19 84.50-84.25				1	1	1.016			
L20 84.25-79.25				1	1	1.03345			
L21 79.25-73.75				1	1	1.03113			
L22 73.75-72.75				1	1	0.958709			
L23 72.75-67.75				1	1	0.951361			
L24 67.75-63.08				1	1	0.965948			
L25 63.08-62.83				1	1	0.979776			
L26 62.83-57.83				1	1	0.985815			
L27 57.83-52.83				1	1	0.992629			
L28 52.83-47.83				1	1	0.982368			
L29 47.83-42.75				1	1	0.99955			
L30 42.75-42.50				1	1	0.983527			
L31 42.50-37.50				1	1	0.990764			
L32 37.50-32.75				1	1	0.982492			
L33 32.75-32.50				1	1	0.986624			
L34 32.50-27.50				1	1	0.992833			
L35 27.50-22.50				1	1	0.999667			
L36 22.50-17.50				1	1	0.990917			
L37 17.50-12.50				1	1	0.998599			
L38 12.50-8.08				1	1	1.00785			
L39 8.08-7.83				1	1	1.03361			
L40 7.83-6.42				1	1	1.04696			
L41 6.42-6.17				1	1	1.01			
L42 6.17-4.33				1	1	1.00682			
L43 4.33-4.08				1	1	1.05669			
L44 4.08-3.23				1	1	0.935894			
L45 3.23-2.88				1	1	0.963003			
L46 2.88-2.67				1	1	0.962662			
L47 2.67-2.08				1	1	0.961743			
L48 2.08-1.83				1	1	1.03034			
L49 1.83-0.00				1	1	1.02846			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
147										
HB058-M12-XXXF(5/8)	A	No	Surface Ar (CaAa)	147.00 - 0.00	1	1	-0.167 -0.167	0.8400		0.24
HB158-21U6S24-xxM_TMO(1-5/8)	B	No	Surface Ar (CaAa)	136.00 - 0.00	3	3	0.333 0.333	1.9960		2.50
***										
(Area) Aero MP3-05 (H)	A	No	Surface Af (CaAa)	10.50 - 0.00	1	1	-0.167 -0.167	5.3300	14.8400	0.00
(Area) Aero MP3-05 (H)	C	No	Surface Af (CaAa)	10.50 - 0.00	1	1	0.500 0.500	5.3300	14.8400	0.00
****										
(Area) Aero MP3-05 (H)	A	No	Surface Af (CaAa)	79.00 - 4.00	1	1	-0.333 -0.333	5.3300	14.8400	0.00
****										
(Area) Aero MP3-05 (H)	C	No	Surface Af (CaAa)	90.50 - 0.00	1	1	-0.333 -0.333	5.3300	14.8400	0.00
(Area) Aero MP3-05 (H)	B	No	Surface Af (CaAa)	90.50 - 0.00	1	1	-0.333 -0.333	5.3300	14.8400	0.00
****										
(Area) Aero MP3-05 (H)	C	No	Surface Af (CaAa)	88.25 - 73.25	1	1	0.500 0.500	5.3300	14.8400	0.00
(Area) Aero MP3-05 (H)	A	No	Surface Af (CaAa)	92.08 - 82.08	1	1	-0.333 -0.333	5.3300	14.8400	0.00
****										
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.167 0.167	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.333 0.333	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	35.50 - 0.00	1	1	0.167 0.167	6.5000	15.5000	0.00
***										
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.167 0.167	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.333 0.333	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	65.58 - 35.50	1	1	0.167 0.167	6.0000	14.0000	0.00
**********										
**										
Safety Line (3/8")	A	No	Surface Ar (CaAa)	147.00 - 0.00	1	1	0.500 0.500	0.3750		0.22

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
HB114-1-0813U4-M5J(1-1/4)	A	No	No	Inside Pole	147.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.20 1.20 1.20 1.20
136									

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
118									
HFT1208-24S26(1-1/4)	B	No	No	Inside Pole	118.00 - 0.00	2	No Ice	0.00	1.17
							1/2" Ice	0.00	1.17
							1" Ice	0.00	1.17
							2" Ice	0.00	1.17
115									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	115.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
106									
LDF2-50A(3/8)	C	No	No	Inside Pole	106.00 - 0.00	1	No Ice	0.00	0.08
							1/2" Ice	0.00	0.08
							1" Ice	0.00	0.08
							2" Ice	0.00	0.08
LDF6-50A(1-1/4)	C	No	No	Inside Pole	106.00 - 0.00	12	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
							2" Ice	0.00	0.60
6-8AWG 3 PAIR(7/8)	C	No	No	Inside Pole	106.00 - 0.00	4	No Ice	0.00	0.68
							1/2" Ice	0.00	0.68
							1" Ice	0.00	0.68
							2" Ice	0.00	0.68
A-DQZNB2YN1750N(17/64)	C	No	No	Inside Pole	106.00 - 0.00	2	No Ice	0.00	0.03
							1/2" Ice	0.00	0.03
							1" Ice	0.00	0.03
							2" Ice	0.00	0.03
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	106.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
2" Flexible Conduit	C	No	No	Inside Pole	106.00 - 0.00	1	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
							2" Ice	0.00	0.34
**********									

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	147.00-142.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L2	142.00-137.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
L3	137.00-132.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.395	0.000	0.03
		C	0.000	0.000	0.000	0.000	0.00
L4	132.00-127.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L5	127.00-122.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.00
L6	122.00-117.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.00
L7	117.00-112.00	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.06
		C	0.000	0.000	0.000	0.000	0.00
L8	112.00-105.00	A	0.000	0.000	0.850	0.000	0.03
		B	0.000	0.000	4.192	0.000	0.10
		C	0.000	0.000	0.000	0.000	0.01
L9	105.00-103.75	A	0.000	0.000	0.152	0.000	0.01
		B	0.000	0.000	0.749	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.01
L10	103.75-98.75	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.06
L11	98.75-93.75	A	0.000	0.000	0.608	0.000	0.02
		B	0.000	0.000	2.994	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.06
L12	93.75-89.67	A	0.000	0.000	2.498	0.000	0.02
		B	0.000	0.000	3.185	0.000	0.06
		C	0.000	0.000	0.740	0.000	0.05
L13	89.67-89.42	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.222	0.000	0.00
L14	89.42-88.08	A	0.000	0.000	1.267	0.000	0.01
		B	0.000	0.000	1.984	0.000	0.02
		C	0.000	0.000	1.333	0.000	0.02
L15	88.08-87.83	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.444	0.000	0.00
L16	87.83-85.83	A	0.000	0.000	1.900	0.000	0.01
		B	0.000	0.000	2.974	0.000	0.03
		C	0.000	0.000	3.553	0.000	0.02
L17	85.83-85.58	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.444	0.000	0.00
L18	85.58-84.50	A	0.000	0.000	1.029	0.000	0.00
		B	0.000	0.000	1.611	0.000	0.02
		C	0.000	0.000	1.924	0.000	0.01
L19	84.50-84.25	A	0.000	0.000	0.238	0.000	0.00
		B	0.000	0.000	0.372	0.000	0.00
		C	0.000	0.000	0.444	0.000	0.00
L20	84.25-79.25	A	0.000	0.000	2.403	0.000	0.02
		B	0.000	0.000	7.436	0.000	0.07
		C	0.000	0.000	8.883	0.000	0.06
L21	79.25-73.75	A	0.000	0.000	5.332	0.000	0.02
		B	0.000	0.000	8.179	0.000	0.08
		C	0.000	0.000	9.772	0.000	0.06
L22	73.75-72.75	A	0.000	0.000	1.010	0.000	0.00
		B	0.000	0.000	1.487	0.000	0.01
		C	0.000	0.000	1.333	0.000	0.01
L23	72.75-67.75	A	0.000	0.000	5.049	0.000	0.02
		B	0.000	0.000	7.436	0.000	0.07
		C	0.000	0.000	4.442	0.000	0.06
L24	67.75-63.08	A	0.000	0.000	7.216	0.000	0.02
		B	0.000	0.000	9.445	0.000	0.07
		C	0.000	0.000	6.649	0.000	0.05
L25	63.08-62.83	A	0.000	0.000	0.502	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	0.622	0.000	0.00
		C	0.000	0.000	0.472	0.000	0.00
L26	62.83-57.83	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L27	57.83-52.83	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L28	52.83-47.83	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L29	47.83-42.75	A	0.000	0.000	10.210	0.000	0.02
		B	0.000	0.000	12.635	0.000	0.07
		C	0.000	0.000	9.593	0.000	0.06
L30	42.75-42.50	A	0.000	0.000	0.502	0.000	0.00
		B	0.000	0.000	0.622	0.000	0.00
		C	0.000	0.000	0.472	0.000	0.00
L31	42.50-37.50	A	0.000	0.000	10.049	0.000	0.02
		B	0.000	0.000	12.436	0.000	0.07
		C	0.000	0.000	9.442	0.000	0.06
L32	37.50-32.75	A	0.000	0.000	9.776	0.000	0.02
		B	0.000	0.000	12.043	0.000	0.07
		C	0.000	0.000	9.199	0.000	0.05
L33	32.75-32.50	A	0.000	0.000	0.523	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.493	0.000	0.00
L34	32.50-27.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L35	27.50-22.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L36	22.50-17.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L37	17.50-12.50	A	0.000	0.000	10.466	0.000	0.02
		B	0.000	0.000	12.852	0.000	0.07
		C	0.000	0.000	9.858	0.000	0.06
L38	12.50-8.08	A	0.000	0.000	11.286	0.000	0.02
		B	0.000	0.000	11.354	0.000	0.07
		C	0.000	0.000	10.749	0.000	0.05
L39	8.08-7.83	A	0.000	0.000	0.734	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L40	7.83-6.42	A	0.000	0.000	4.159	0.000	0.01
		B	0.000	0.000	3.640	0.000	0.02
		C	0.000	0.000	3.987	0.000	0.02
L41	6.42-6.17	A	0.000	0.000	0.734	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L42	6.17-4.33	A	0.000	0.000	5.387	0.000	0.01
		B	0.000	0.000	4.714	0.000	0.03
		C	0.000	0.000	5.164	0.000	0.02
L43	4.33-4.08	A	0.000	0.000	0.734	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L44	4.08-3.23	A	0.000	0.000	1.815	0.000	0.00
		B	0.000	0.000	2.185	0.000	0.01
		C	0.000	0.000	2.393	0.000	0.01
L45	3.23-2.88	A	0.000	0.000	0.717	0.000	0.00
		B	0.000	0.000	0.900	0.000	0.01

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
		C	0.000	0.000	0.985	0.000	0.00
L46	2.88-2.67	A	0.000	0.000	0.443	0.000	0.00
		B	0.000	0.000	0.555	0.000	0.00
		C	0.000	0.000	0.608	0.000	0.00
L47	2.67-2.08	A	0.000	0.000	1.197	0.000	0.00
		B	0.000	0.000	1.501	0.000	0.01
		C	0.000	0.000	1.644	0.000	0.01
L48	2.08-1.83	A	0.000	0.000	0.512	0.000	0.00
		B	0.000	0.000	0.643	0.000	0.00
		C	0.000	0.000	0.704	0.000	0.00
L49	1.83-0.00	A	0.000	0.000	3.756	0.000	0.01
		B	0.000	0.000	4.712	0.000	0.03
		C	0.000	0.000	5.161	0.000	0.02

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	147.00-142.00	A	1.478	0.000	0.000	3.563	0.000	0.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L2	142.00-137.00	A	1.473	0.000	0.000	3.553	0.000	0.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
L3	137.00-132.00	A	1.467	0.000	0.000	3.542	0.000	0.06
		B		0.000	0.000	4.461	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.00
L4	132.00-127.00	A	1.462	0.000	0.000	3.531	0.000	0.06
		B		0.000	0.000	5.570	0.000	0.09
		C		0.000	0.000	0.000	0.000	0.00
L5	127.00-122.00	A	1.456	0.000	0.000	3.520	0.000	0.06
		B		0.000	0.000	5.563	0.000	0.09
		C		0.000	0.000	0.000	0.000	0.00
L6	122.00-117.00	A	1.450	0.000	0.000	3.508	0.000	0.06
		B		0.000	0.000	5.555	0.000	0.10
		C		0.000	0.000	0.000	0.000	0.00
L7	117.00-112.00	A	1.444	0.000	0.000	3.495	0.000	0.06
		B		0.000	0.000	5.547	0.000	0.12
		C		0.000	0.000	0.000	0.000	0.00
L8	112.00-105.00	A	1.436	0.000	0.000	4.872	0.000	0.08
		B		0.000	0.000	7.753	0.000	0.18
		C		0.000	0.000	0.000	0.000	0.01
L9	105.00-103.75	A	1.431	0.000	0.000	0.870	0.000	0.01
		B		0.000	0.000	1.384	0.000	0.03
		C		0.000	0.000	0.000	0.000	0.01
L10	103.75-98.75	A	1.426	0.000	0.000	3.460	0.000	0.06
		B		0.000	0.000	5.525	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.06
L11	98.75-93.75	A	1.419	0.000	0.000	3.446	0.000	0.06
		B		0.000	0.000	5.516	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.06
L12	93.75-89.67	A	1.412	0.000	0.000	5.175	0.000	0.07
		B		0.000	0.000	5.473	0.000	0.11
		C		0.000	0.000	0.975	0.000	0.06
L13	89.67-89.42	A	1.409	0.000	0.000	0.417	0.000	0.01
		B		0.000	0.000	0.568	0.000	0.01
		C		0.000	0.000	0.293	0.000	0.01

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
L14	89.42-88.08	A	1.408	0.000	0.000	2.223	0.000	0.03
		B		0.000	0.000	3.029	0.000	0.05
		C		0.000	0.000	1.750	0.000	0.03
L15	88.08-87.83	A	1.406	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.567	0.000	0.01
		C		0.000	0.000	0.576	0.000	0.01
L16	87.83-85.83	A	1.405	0.000	0.000	3.329	0.000	0.04
		B		0.000	0.000	4.538	0.000	0.07
		C		0.000	0.000	4.608	0.000	0.07
L17	85.83-85.58	A	1.403	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.567	0.000	0.01
		C		0.000	0.000	0.576	0.000	0.01
L18	85.58-84.50	A	1.402	0.000	0.000	1.801	0.000	0.02
		B		0.000	0.000	2.456	0.000	0.04
		C		0.000	0.000	2.494	0.000	0.04
L19	84.50-84.25	A	1.400	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.567	0.000	0.01
		C		0.000	0.000	0.576	0.000	0.01
L20	84.25-79.25	A	1.396	0.000	0.000	5.524	0.000	0.08
		B		0.000	0.000	11.325	0.000	0.18
		C		0.000	0.000	11.508	0.000	0.17
L21	79.25-73.75	A	1.387	0.000	0.000	9.839	0.000	0.12
		B		0.000	0.000	12.435	0.000	0.20
		C		0.000	0.000	12.643	0.000	0.18
L22	73.75-72.75	A	1.381	0.000	0.000	1.842	0.000	0.02
		B		0.000	0.000	2.261	0.000	0.04
		C		0.000	0.000	1.732	0.000	0.03
L23	72.75-67.75	A	1.375	0.000	0.000	9.174	0.000	0.11
		B		0.000	0.000	11.278	0.000	0.18
		C		0.000	0.000	5.817	0.000	0.11
L24	67.75-63.08	A	1.365	0.000	0.000	11.724	0.000	0.12
		B		0.000	0.000	13.696	0.000	0.19
		C		0.000	0.000	8.606	0.000	0.13
L25	63.08-62.83	A	1.360	0.000	0.000	0.774	0.000	0.01
		B		0.000	0.000	0.880	0.000	0.01
		C		0.000	0.000	0.608	0.000	0.01
L26	62.83-57.83	A	1.354	0.000	0.000	15.466	0.000	0.16
		B		0.000	0.000	17.586	0.000	0.23
		C		0.000	0.000	12.150	0.000	0.16
L27	57.83-52.83	A	1.343	0.000	0.000	15.420	0.000	0.15
		B		0.000	0.000	17.548	0.000	0.23
		C		0.000	0.000	12.127	0.000	0.16
L28	52.83-47.83	A	1.330	0.000	0.000	15.369	0.000	0.15
		B		0.000	0.000	17.506	0.000	0.23
		C		0.000	0.000	12.102	0.000	0.16
L29	47.83-42.75	A	1.316	0.000	0.000	15.558	0.000	0.15
		B		0.000	0.000	17.740	0.000	0.23
		C		0.000	0.000	12.267	0.000	0.16
L30	42.75-42.50	A	1.308	0.000	0.000	0.766	0.000	0.01
		B		0.000	0.000	0.873	0.000	0.01
		C		0.000	0.000	0.604	0.000	0.01
L31	42.50-37.50	A	1.300	0.000	0.000	15.248	0.000	0.15
		B		0.000	0.000	17.408	0.000	0.22
		C		0.000	0.000	12.041	0.000	0.16
L32	37.50-32.75	A	1.283	0.000	0.000	14.651	0.000	0.14
		B		0.000	0.000	16.715	0.000	0.21
		C		0.000	0.000	11.636	0.000	0.15
L33	32.75-32.50	A	1.274	0.000	0.000	0.778	0.000	0.01
		B		0.000	0.000	0.887	0.000	0.01
		C		0.000	0.000	0.620	0.000	0.01
L34	32.50-27.50	A	1.263	0.000	0.000	15.517	0.000	0.15

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
		B		0.000	0.000	17.705	0.000	0.22
		C		0.000	0.000	12.384	0.000	0.16
L35	27.50-22.50	A	1.240	0.000	0.000	15.426	0.000	0.14
		B		0.000	0.000	17.631	0.000	0.22
		C		0.000	0.000	12.338	0.000	0.15
L36	22.50-17.50	A	1.213	0.000	0.000	15.317	0.000	0.14
		B		0.000	0.000	17.542	0.000	0.21
		C		0.000	0.000	12.284	0.000	0.15
L37	17.50-12.50	A	1.178	0.000	0.000	15.179	0.000	0.14
		B		0.000	0.000	17.430	0.000	0.21
		C		0.000	0.000	12.215	0.000	0.15
L38	12.50-8.08	A	1.135	0.000	0.000	15.596	0.000	0.14
		B		0.000	0.000	15.273	0.000	0.18
		C		0.000	0.000	13.054	0.000	0.15
L39	8.08-7.83	A	1.106	0.000	0.000	0.986	0.000	0.01
		B		0.000	0.000	0.860	0.000	0.01
		C		0.000	0.000	0.845	0.000	0.01
L40	7.83-6.42	A	1.094	0.000	0.000	5.568	0.000	0.05
		B		0.000	0.000	4.858	0.000	0.06
		C		0.000	0.000	4.776	0.000	0.05
L41	6.42-6.17	A	1.080	0.000	0.000	0.980	0.000	0.01
		B		0.000	0.000	0.856	0.000	0.01
		C		0.000	0.000	0.842	0.000	0.01
L42	6.17-4.33	A	1.061	0.000	0.000	7.157	0.000	0.06
		B		0.000	0.000	6.253	0.000	0.07
		C		0.000	0.000	6.156	0.000	0.06
L43	4.33-4.08	A	1.038	0.000	0.000	0.970	0.000	0.01
		B		0.000	0.000	0.849	0.000	0.01
		C		0.000	0.000	0.836	0.000	0.01
L44	4.08-3.23	A	1.023	0.000	0.000	2.450	0.000	0.02
		B		0.000	0.000	2.877	0.000	0.03
		C		0.000	0.000	2.837	0.000	0.03
L45	3.23-2.88	A	1.005	0.000	0.000	0.967	0.000	0.01
		B		0.000	0.000	1.181	0.000	0.01
		C		0.000	0.000	1.165	0.000	0.01
L46	2.88-2.67	A	0.995	0.000	0.000	0.595	0.000	0.00
		B		0.000	0.000	0.727	0.000	0.01
		C		0.000	0.000	0.718	0.000	0.01
L47	2.67-2.08	A	0.980	0.000	0.000	1.603	0.000	0.01
		B		0.000	0.000	1.961	0.000	0.02
		C		0.000	0.000	1.936	0.000	0.02
L48	2.08-1.83	A	0.961	0.000	0.000	0.683	0.000	0.01
		B		0.000	0.000	0.836	0.000	0.01
		C		0.000	0.000	0.827	0.000	0.01
L49	1.83-0.00	A	0.891	0.000	0.000	4.916	0.000	0.04
		B		0.000	0.000	6.048	0.000	0.06
		C		0.000	0.000	5.995	0.000	0.06

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	147.00-142.00	-0.6397	-0.3965	-1.3253	-1.3899
L2	142.00-137.00	-0.6407	-0.3973	-1.3361	-1.4016
L3	137.00-132.00	2.4657	0.2130	1.4224	-0.5891
L4	132.00-127.00	3.0458	0.3246	1.9034	-0.4607

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L5	127.00-122.00	3.0698	0.3267	1.9319	-0.4672
L6	122.00-117.00	3.0927	0.3287	1.9595	-0.4733
L7	117.00-112.00	3.1147	0.3306	1.9863	-0.4789
L8	112.00-105.00	3.1398	0.3328	2.0175	-0.4851
L9	105.00-103.75	3.1454	0.3333	2.0239	-0.4871
L10	103.75-98.75	3.1578	0.3344	2.0406	-0.4876
L11	98.75-93.75	3.1771	0.3361	2.0653	-0.4918
L12	93.75-89.67	1.1104	1.3942	1.0427	0.2298
L13	89.67-89.42	1.7249	0.0203	1.6375	-0.5866
L14	89.42-88.08	1.2452	-0.0853	1.2745	-0.6589
L15	88.08-87.83	-1.6619	-0.7201	-1.0045	-1.1020
L16	87.83-85.83	-1.6697	-0.7240	-1.0090	-1.1065
L17	85.83-85.58	-1.6774	-0.7279	-1.0136	-1.1109
L18	85.58-84.50	-1.6819	-0.7303	-1.0163	-1.1135
L19	84.50-84.25	-1.6864	-0.7326	-1.0189	-1.1161
L20	84.25-79.25	-0.6395	-1.9442	-0.2256	-1.9660
L21	79.25-73.75	-1.7891	-0.7163	-1.2337	-0.9543
L22	73.75-72.75	-0.2497	-0.2544	-0.0425	-0.6145
L23	72.75-67.75	1.6381	0.1726	1.3784	-0.3187
L24	67.75-63.08	1.0612	1.0097	0.9772	0.4317
L25	63.08-62.83	0.7330	1.4825	0.7229	0.9026
L26	62.83-57.83	0.7398	1.4976	0.7293	0.9120
L27	57.83-52.83	0.7528	1.5263	0.7414	0.9299
L28	52.83-47.83	0.7657	1.5547	0.7536	0.9480
L29	47.83-42.75	0.7786	1.5831	0.7658	0.9664
L30	42.75-42.50	0.7742	1.5734	0.7622	0.9614
L31	42.50-37.50	0.7809	1.5881	0.7693	0.9730
L32	37.50-32.75	0.7607	1.6597	0.7613	1.0303
L33	32.75-32.50	0.7438	1.7050	0.7531	1.0680
L34	32.50-27.50	0.7500	1.7203	0.7593	1.0790
L35	27.50-22.50	0.7616	1.7491	0.7715	1.1004
L36	22.50-17.50	0.7731	1.7778	0.7840	1.1231
L37	17.50-12.50	0.7846	1.8062	0.7970	1.1477
L38	12.50-8.08	-1.6774	1.4556	-1.1549	0.9431
L39	8.08-7.83	-3.3741	1.2084	-2.5903	0.7876
L40	7.83-6.42	-3.3829	1.2115	-2.5970	0.7921
L41	6.42-6.17	-3.3916	1.2145	-2.6038	0.7969
L42	6.17-4.33	-3.4026	1.2184	-2.6126	0.8035
L43	4.33-4.08	-3.4137	1.2223	-2.6217	0.8111
L44	4.08-3.23	-2.2045	-0.0864	-1.4450	-0.3696
L45	3.23-2.88	-2.0614	-0.2453	-1.3120	-0.5028
L46	2.88-2.67	-2.0632	-0.2455	-1.3141	-0.5004
L47	2.67-2.08	-2.0658	-0.2459	-1.3173	-0.4965
L48	2.08-1.83	-2.0681	-0.2462	-1.3206	-0.4914
L49	1.83-0.00	-2.0747	-0.2472	-1.3325	-0.4718

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	2	HB058-M12-XXXF(5/8)	142.00 - 147.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	40	Safety Line (3/8")	142.00 - 147.00	1.0000	1.0000
L2	2	HB058-M12-XXXF(5/8)	137.00 - 142.00	1.0000	1.0000
L2	40	Safety Line (3/8")	137.00 - 142.00	1.0000	1.0000
L3	2	HB058-M12-XXXF(5/8)	132.00 - 137.00	1.0000	1.0000
L3	6	HB158-21U6S24-xxM_TMO (1-5/8)	132.00 - 136.00	1.0000	1.0000
L3	40	Safety Line (3/8")	132.00 - 137.00	1.0000	1.0000
L4	2	HB058-M12-XXXF(5/8)	127.00 - 132.00	1.0000	1.0000
L4	6	HB158-21U6S24-xxM_TMO (1-5/8)	127.00 - 132.00	1.0000	1.0000
L4	40	Safety Line (3/8")	127.00 - 132.00	1.0000	1.0000
L5	2	HB058-M12-XXXF(5/8)	122.00 - 127.00	1.0000	1.0000
L5	6	HB158-21U6S24-xxM_TMO (1-5/8)	122.00 - 127.00	1.0000	1.0000
L5	40	Safety Line (3/8")	122.00 - 127.00	1.0000	1.0000
L6	2	HB058-M12-XXXF(5/8)	117.00 - 122.00	1.0000	1.0000
L6	6	HB158-21U6S24-xxM_TMO (1-5/8)	117.00 - 122.00	1.0000	1.0000
L6	40	Safety Line (3/8")	117.00 - 122.00	1.0000	1.0000
L7	2	HB058-M12-XXXF(5/8)	112.00 - 117.00	1.0000	1.0000
L7	6	HB158-21U6S24-xxM_TMO (1-5/8)	112.00 - 117.00	1.0000	1.0000
L7	40	Safety Line (3/8")	112.00 - 117.00	1.0000	1.0000
L8	2	HB058-M12-XXXF(5/8)	105.00 - 112.00	1.0000	1.0000
L8	6	HB158-21U6S24-xxM_TMO (1-5/8)	105.00 - 112.00	1.0000	1.0000
L8	40	Safety Line (3/8")	105.00 - 112.00	1.0000	1.0000
L9	2	HB058-M12-XXXF(5/8)	103.75 - 105.00	1.0000	1.0000
L9	6	HB158-21U6S24-xxM_TMO (1-5/8)	103.75 - 105.00	1.0000	1.0000
L9	40	Safety Line (3/8")	103.75 - 105.00	1.0000	1.0000
L10	2	HB058-M12-XXXF(5/8)	98.75 - 103.75	1.0000	1.0000
L10	6	HB158-21U6S24-xxM_TMO (1-5/8)	98.75 - 103.75	1.0000	1.0000
L10	40	Safety Line (3/8")	98.75 - 103.75	1.0000	1.0000
L11	2	HB058-M12-XXXF(5/8)	93.75 - 98.75	1.0000	1.0000
L11	6	HB158-21U6S24-xxM_TMO (1-5/8)	93.75 - 98.75	1.0000	1.0000
L11	40	Safety Line (3/8")	93.75 - 98.75	1.0000	1.0000
L12	2	HB058-M12-XXXF(5/8)	89.67 - 93.75	1.0000	1.0000
L12	6	HB158-21U6S24-xxM_TMO (1-5/8)	89.67 - 93.75	1.0000	1.0000
L12	24	(Area) Aero MP3-05 (H)	89.67 - 90.50	1.0000	1.0000
L12	25	(Area) Aero MP3-05 (H)	89.67 - 90.50	1.0000	1.0000
L12	28	(Area) Aero MP3-05 (H)	89.67 - 92.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L12	40	Safety Line (3/8")	89.67 - 93.75	1.0000	1.0000
L13	2	HB058-M12-XXXF(5/8)	89.42 - 89.67	1.0000	1.0000
L13	6	HB158-21U6S24-xxM_TMO (1-5/8)	89.42 - 89.67	1.0000	1.0000
L13	24	(Area) Aero MP3-05 (H)	89.42 - 89.67	1.0000	1.0000
L13	25	(Area) Aero MP3-05 (H)	89.42 - 89.67	1.0000	1.0000
L13	28	(Area) Aero MP3-05 (H)	89.42 - 89.67	1.0000	1.0000
L13	40	Safety Line (3/8")	89.42 - 89.67	1.0000	1.0000
L14	2	HB058-M12-XXXF(5/8)	88.08 - 89.42	1.0000	1.0000
L14	6	HB158-21U6S24-xxM_TMO (1-5/8)	88.08 - 89.42	1.0000	1.0000
L14	24	(Area) Aero MP3-05 (H)	88.08 - 89.42	1.0000	1.0000
L14	25	(Area) Aero MP3-05 (H)	88.08 - 89.42	1.0000	1.0000
L14	27	(Area) Aero MP3-05 (H)	88.08 - 88.25	1.0000	1.0000
L14	28	(Area) Aero MP3-05 (H)	88.08 - 89.42	1.0000	1.0000
L14	40	Safety Line (3/8")	88.08 - 89.42	1.0000	1.0000
L15	2	HB058-M12-XXXF(5/8)	87.83 - 88.08	1.0000	1.0000
L15	6	HB158-21U6S24-xxM_TMO (1-5/8)	87.83 - 88.08	1.0000	1.0000
L15	24	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	25	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	27	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	28	(Area) Aero MP3-05 (H)	87.83 - 88.08	1.0000	1.0000
L15	40	Safety Line (3/8")	87.83 - 88.08	1.0000	1.0000
L16	2	HB058-M12-XXXF(5/8)	85.83 - 87.83	1.0000	1.0000
L16	6	HB158-21U6S24-xxM_TMO (1-5/8)	85.83 - 87.83	1.0000	1.0000
L16	24	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	25	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	27	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	28	(Area) Aero MP3-05 (H)	85.83 - 87.83	1.0000	1.0000
L16	40	Safety Line (3/8")	85.83 - 87.83	1.0000	1.0000
L17	2	HB058-M12-XXXF(5/8)	85.58 - 85.83	1.0000	1.0000
L17	6	HB158-21U6S24-xxM_TMO (1-5/8)	85.58 - 85.83	1.0000	1.0000
L17	24	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	25	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	27	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	28	(Area) Aero MP3-05 (H)	85.58 - 85.83	1.0000	1.0000
L17	40	Safety Line (3/8")	85.58 - 85.83	1.0000	1.0000
L18	2	HB058-M12-XXXF(5/8)	84.50 - 85.58	1.0000	1.0000
L18	6	HB158-21U6S24-xxM_TMO (1-5/8)	84.50 - 85.58	1.0000	1.0000
L18	24	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	25	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	27	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	28	(Area) Aero MP3-05 (H)	84.50 - 85.58	1.0000	1.0000
L18	40	Safety Line (3/8")	84.50 - 85.58	1.0000	1.0000
L19	2	HB058-M12-XXXF(5/8)	84.25 - 84.50	1.0000	1.0000
L19	6	HB158-21U6S24-xxM_TMO (1-5/8)	84.25 - 84.50	1.0000	1.0000
L19	24	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	25	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	27	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	28	(Area) Aero MP3-05 (H)	84.25 - 84.50	1.0000	1.0000
L19	40	Safety Line (3/8")	84.25 - 84.50	1.0000	1.0000
L20	2	HB058-M12-XXXF(5/8)	79.25 - 84.25	1.0000	1.0000
L20	6	HB158-21U6S24-xxM_TMO (1-5/8)	79.25 - 84.25	1.0000	1.0000
L20	24	(Area) Aero MP3-05 (H)	79.25 - 84.25	1.0000	1.0000
L20	25	(Area) Aero MP3-05 (H)	79.25 - 84.25	1.0000	1.0000
L20	27	(Area) Aero MP3-05 (H)	79.25 - 84.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L20	28	(Area) Aero MP3-05 (H)	82.08 - 84.25	1.0000	1.0000
L20	40	Safety Line (3/8")	79.25 - 84.25	1.0000	1.0000
L21	2	HB058-M12-XXXF(5/8)	73.75 - 79.25	1.0000	1.0000
L21	6	HB158-21U6S24-xxM_TMO (1-5/8)	73.75 - 79.25	1.0000	1.0000
L21	22	(Area) Aero MP3-05 (H)	73.75 - 79.00	1.0000	1.0000
L21	24	(Area) Aero MP3-05 (H)	73.75 - 79.25	1.0000	1.0000
L21	25	(Area) Aero MP3-05 (H)	73.75 - 79.25	1.0000	1.0000
L21	27	(Area) Aero MP3-05 (H)	73.75 - 79.25	1.0000	1.0000
L21	40	Safety Line (3/8")	73.75 - 79.25	1.0000	1.0000
L22	2	HB058-M12-XXXF(5/8)	72.75 - 73.75	1.0000	1.0000
L22	6	HB158-21U6S24-xxM_TMO (1-5/8)	72.75 - 73.75	1.0000	1.0000
L22	22	(Area) Aero MP3-05 (H)	72.75 - 73.75	1.0000	1.0000
L22	24	(Area) Aero MP3-05 (H)	72.75 - 73.75	1.0000	1.0000
L22	25	(Area) Aero MP3-05 (H)	72.75 - 73.75	1.0000	1.0000
L22	27	(Area) Aero MP3-05 (H)	73.25 - 73.75	1.0000	1.0000
L22	40	Safety Line (3/8")	72.75 - 73.75	1.0000	1.0000
L23	2	HB058-M12-XXXF(5/8)	67.75 - 72.75	1.0000	1.0000
L23	6	HB158-21U6S24-xxM_TMO (1-5/8)	67.75 - 72.75	1.0000	1.0000
L23	22	(Area) Aero MP3-05 (H)	67.75 - 72.75	1.0000	1.0000
L23	24	(Area) Aero MP3-05 (H)	67.75 - 72.75	1.0000	1.0000
L23	25	(Area) Aero MP3-05 (H)	67.75 - 72.75	1.0000	1.0000
L23	40	Safety Line (3/8")	67.75 - 72.75	1.0000	1.0000
L24	2	HB058-M12-XXXF(5/8)	63.08 - 67.75	1.0000	1.0000
L24	6	HB158-21U6S24-xxM_TMO (1-5/8)	63.08 - 67.75	1.0000	1.0000
L24	22	(Area) Aero MP3-05 (H)	63.08 - 67.75	1.0000	1.0000
L24	24	(Area) Aero MP3-05 (H)	63.08 - 67.75	1.0000	1.0000
L24	25	(Area) Aero MP3-05 (H)	63.08 - 67.75	1.0000	1.0000
L24	34	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	1.0000	1.0000
L24	35	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	1.0000	1.0000
L24	36	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	1.0000	1.0000
L24	40	Safety Line (3/8")	63.08 - 67.75	1.0000	1.0000
L25	2	HB058-M12-XXXF(5/8)	62.83 - 63.08	1.0000	1.0000
L25	6	HB158-21U6S24-xxM_TMO (1-5/8)	62.83 - 63.08	1.0000	1.0000
L25	22	(Area) Aero MP3-05 (H)	62.83 - 63.08	1.0000	1.0000
L25	24	(Area) Aero MP3-05 (H)	62.83 - 63.08	1.0000	1.0000
L25	25	(Area) Aero MP3-05 (H)	62.83 - 63.08	1.0000	1.0000
L25	34	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	1.0000	1.0000
L25	35	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	1.0000	1.0000
L25	36	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	1.0000	1.0000
L25	40	Safety Line (3/8")	62.83 - 63.08	1.0000	1.0000
L26	2	HB058-M12-XXXF(5/8)	57.83 - 62.83	1.0000	1.0000
L26	6	HB158-21U6S24-xxM_TMO (1-5/8)	57.83 - 62.83	1.0000	1.0000
L26	22	(Area) Aero MP3-05 (H)	57.83 - 62.83	1.0000	1.0000
L26	24	(Area) Aero MP3-05 (H)	57.83 - 62.83	1.0000	1.0000
L26	25	(Area) Aero MP3-05 (H)	57.83 - 62.83	1.0000	1.0000
L26	34	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L26	35	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L26	36	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	1.0000	1.0000
L26	40	Safety Line (3/8")	57.83 - 62.83	1.0000	1.0000
L27	2	HB058-M12-XXXF(5/8)	52.83 - 57.83	1.0000	1.0000
L27	6	HB158-21U6S24-xxM_TMO (1-5/8)	52.83 - 57.83	1.0000	1.0000
L27	22	(Area) Aero MP3-05 (H)	52.83 - 57.83	1.0000	1.0000
L27	24	(Area) Aero MP3-05 (H)	52.83 - 57.83	1.0000	1.0000
L27	25	(Area) Aero MP3-05 (H)	52.83 - 57.83	1.0000	1.0000
L27	34	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L27	35	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000
L27	36	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	1.0000	1.0000
L27	40	Safety Line (3/8")	52.83 - 57.83	1.0000	1.0000
L28	2	HB058-M12-XXXF(5/8)	47.83 - 52.83	1.0000	1.0000
L28	6	HB158-21U6S24-xxM_TMO (1-5/8)	47.83 - 52.83	1.0000	1.0000
L28	22	(Area) Aero MP3-05 (H)	47.83 - 52.83	1.0000	1.0000
L28	24	(Area) Aero MP3-05 (H)	47.83 - 52.83	1.0000	1.0000
L28	25	(Area) Aero MP3-05 (H)	47.83 - 52.83	1.0000	1.0000
L28	34	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	1.0000	1.0000
L28	35	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	1.0000	1.0000
L28	36	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	1.0000	1.0000
L28	40	Safety Line (3/8")	47.83 - 52.83	1.0000	1.0000
L29	2	HB058-M12-XXXF(5/8)	42.75 - 47.83	1.0000	1.0000
L29	6	HB158-21U6S24-xxM_TMO (1-5/8)	42.75 - 47.83	1.0000	1.0000
L29	22	(Area) Aero MP3-05 (H)	42.75 - 47.83	1.0000	1.0000
L29	24	(Area) Aero MP3-05 (H)	42.75 - 47.83	1.0000	1.0000
L29	25	(Area) Aero MP3-05 (H)	42.75 - 47.83	1.0000	1.0000
L29	34	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	1.0000	1.0000
L29	35	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	1.0000	1.0000
L29	36	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	1.0000	1.0000
L29	40	Safety Line (3/8")	42.75 - 47.83	1.0000	1.0000
L30	2	HB058-M12-XXXF(5/8)	42.50 - 42.75	1.0000	1.0000
L30	6	HB158-21U6S24-xxM_TMO (1-5/8)	42.50 - 42.75	1.0000	1.0000
L30	22	(Area) Aero MP3-05 (H)	42.50 - 42.75	1.0000	1.0000
L30	24	(Area) Aero MP3-05 (H)	42.50 - 42.75	1.0000	1.0000
L30	25	(Area) Aero MP3-05 (H)	42.50 - 42.75	1.0000	1.0000
L30	34	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	1.0000	1.0000
L30	35	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	1.0000	1.0000
L30	36	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	1.0000	1.0000
L30	40	Safety Line (3/8")	42.50 - 42.75	1.0000	1.0000
L31	2	HB058-M12-XXXF(5/8)	37.50 - 42.50	1.0000	1.0000
L31	6	HB158-21U6S24-xxM_TMO (1-5/8)	37.50 - 42.50	1.0000	1.0000
L31	22	(Area) Aero MP3-05 (H)	37.50 - 42.50	1.0000	1.0000
L31	24	(Area) Aero MP3-05 (H)	37.50 - 42.50	1.0000	1.0000
L31	25	(Area) Aero MP3-05 (H)	37.50 - 42.50	1.0000	1.0000
L31	34	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	1.0000	1.0000
L31	35	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	1.0000	1.0000
L31	36	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	1.0000	1.0000
L31	40	Safety Line (3/8")	37.50 - 42.50	1.0000	1.0000
L32	2	HB058-M12-XXXF(5/8)	32.75 - 37.50	1.0000	1.0000
L32	6	HB158-21U6S24-xxM_TMO (1-5/8)	32.75 - 37.50	1.0000	1.0000
L32	22	(Area) Aero MP3-05 (H)	32.75 - 37.50	1.0000	1.0000
L32	24	(Area) Aero MP3-05 (H)	32.75 - 37.50	1.0000	1.0000
L32	25	(Area) Aero MP3-05 (H)	32.75 - 37.50	1.0000	1.0000
L32	30	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	1.0000	1.0000
L32	31	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	1.0000	1.0000
L32	32	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	1.0000	1.0000
L32	34	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	35	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	36	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	1.0000	1.0000
L32	40	Safety Line (3/8")	32.75 - 37.50	1.0000	1.0000
L33	2	HB058-M12-XXXF(5/8)	32.50 - 32.75	1.0000	1.0000
L33	6	HB158-21U6S24-xxM_TMO (1-5/8)	32.50 - 32.75	1.0000	1.0000
L33	22	(Area) Aero MP3-05 (H)	32.50 - 32.75	1.0000	1.0000
L33	24	(Area) Aero MP3-05 (H)	32.50 - 32.75	1.0000	1.0000
L33	25	(Area) Aero MP3-05 (H)	32.50 - 32.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L33	30	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	1.0000	1.0000
L33	31	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	1.0000	1.0000
L33	32	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	1.0000	1.0000
L33	40	Safety Line (3/8")	32.50 - 32.75	1.0000	1.0000
L34	2	HB058-M12-XXXF(5/8)	27.50 - 32.50	1.0000	1.0000
L34	6	HB158-21U6S24-xxM_TMO (1-5/8)	27.50 - 32.50	1.0000	1.0000
L34	22	(Area) Aero MP3-05 (H)	27.50 - 32.50	1.0000	1.0000
L34	24	(Area) Aero MP3-05 (H)	27.50 - 32.50	1.0000	1.0000
L34	25	(Area) Aero MP3-05 (H)	27.50 - 32.50	1.0000	1.0000
L34	30	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	1.0000	1.0000
L34	31	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	1.0000	1.0000
L34	32	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	1.0000	1.0000
L34	40	Safety Line (3/8")	27.50 - 32.50	1.0000	1.0000
L35	2	HB058-M12-XXXF(5/8)	22.50 - 27.50	1.0000	1.0000
L35	6	HB158-21U6S24-xxM_TMO (1-5/8)	22.50 - 27.50	1.0000	1.0000
L35	22	(Area) Aero MP3-05 (H)	22.50 - 27.50	1.0000	1.0000
L35	24	(Area) Aero MP3-05 (H)	22.50 - 27.50	1.0000	1.0000
L35	25	(Area) Aero MP3-05 (H)	22.50 - 27.50	1.0000	1.0000
L35	30	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L35	31	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L35	32	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L35	40	Safety Line (3/8")	22.50 - 27.50	1.0000	1.0000
L36	2	HB058-M12-XXXF(5/8)	17.50 - 22.50	1.0000	1.0000
L36	6	HB158-21U6S24-xxM_TMO (1-5/8)	17.50 - 22.50	1.0000	1.0000
L36	22	(Area) Aero MP3-05 (H)	17.50 - 22.50	1.0000	1.0000
L36	24	(Area) Aero MP3-05 (H)	17.50 - 22.50	1.0000	1.0000
L36	25	(Area) Aero MP3-05 (H)	17.50 - 22.50	1.0000	1.0000
L36	30	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L36	31	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L36	32	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L36	40	Safety Line (3/8")	17.50 - 22.50	1.0000	1.0000
L37	2	HB058-M12-XXXF(5/8)	12.50 - 17.50	1.0000	1.0000
L37	6	HB158-21U6S24-xxM_TMO (1-5/8)	12.50 - 17.50	1.0000	1.0000
L37	22	(Area) Aero MP3-05 (H)	12.50 - 17.50	1.0000	1.0000
L37	24	(Area) Aero MP3-05 (H)	12.50 - 17.50	1.0000	1.0000
L37	25	(Area) Aero MP3-05 (H)	12.50 - 17.50	1.0000	1.0000
L37	30	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L37	31	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L37	32	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L37	40	Safety Line (3/8")	12.50 - 17.50	1.0000	1.0000
L38	2	HB058-M12-XXXF(5/8)	8.08 - 12.50	1.0000	1.0000
L38	6	HB158-21U6S24-xxM_TMO (1-5/8)	8.08 - 12.50	1.0000	1.0000
L38	19	(Area) Aero MP3-05 (H)	8.08 - 10.50	1.0000	1.0000
L38	20	(Area) Aero MP3-05 (H)	8.08 - 10.50	1.0000	1.0000
L38	22	(Area) Aero MP3-05 (H)	8.08 - 12.50	1.0000	1.0000
L38	24	(Area) Aero MP3-05 (H)	8.08 - 12.50	1.0000	1.0000
L38	25	(Area) Aero MP3-05 (H)	8.08 - 12.50	1.0000	1.0000
L38	30	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	1.0000	1.0000
L38	31	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	1.0000	1.0000
L38	32	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	1.0000	1.0000
L38	40	Safety Line (3/8")	8.08 - 12.50	1.0000	1.0000
L39	2	HB058-M12-XXXF(5/8)	7.83 - 8.08	1.0000	1.0000
L39	6	HB158-21U6S24-xxM_TMO (1-5/8)	7.83 - 8.08	1.0000	1.0000
L39	19	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	20	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	22	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L39	24	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	25	(Area) Aero MP3-05 (H)	7.83 - 8.08	1.0000	1.0000
L39	30	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	1.0000	1.0000
L39	31	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	1.0000	1.0000
L39	32	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	1.0000	1.0000
L39	40	Safety Line (3/8")	7.83 - 8.08	1.0000	1.0000
L40	2	HB058-M12-XXXF(5/8)	6.42 - 7.83	1.0000	1.0000
L40	6	HB158-21U6S24-xxM_TMO (1-5/8)	6.42 - 7.83	1.0000	1.0000
L40	19	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	20	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	22	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	24	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	25	(Area) Aero MP3-05 (H)	6.42 - 7.83	1.0000	1.0000
L40	30	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	1.0000	1.0000
L40	31	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	1.0000	1.0000
L40	32	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	1.0000	1.0000
L40	40	Safety Line (3/8")	6.42 - 7.83	1.0000	1.0000
L41	2	HB058-M12-XXXF(5/8)	6.17 - 6.42	1.0000	1.0000
L41	6	HB158-21U6S24-xxM_TMO (1-5/8)	6.17 - 6.42	1.0000	1.0000
L41	19	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	20	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	22	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	24	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	25	(Area) Aero MP3-05 (H)	6.17 - 6.42	1.0000	1.0000
L41	30	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	1.0000	1.0000
L41	31	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	1.0000	1.0000
L41	32	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	1.0000	1.0000
L41	40	Safety Line (3/8")	6.17 - 6.42	1.0000	1.0000
L42	2	HB058-M12-XXXF(5/8)	4.33 - 6.17	1.0000	1.0000
L42	6	HB158-21U6S24-xxM_TMO (1-5/8)	4.33 - 6.17	1.0000	1.0000
L42	19	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	20	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	22	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	24	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	25	(Area) Aero MP3-05 (H)	4.33 - 6.17	1.0000	1.0000
L42	30	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	1.0000	1.0000
L42	31	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	1.0000	1.0000
L42	32	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	1.0000	1.0000
L42	40	Safety Line (3/8")	4.33 - 6.17	1.0000	1.0000
L43	2	HB058-M12-XXXF(5/8)	4.08 - 4.33	1.0000	1.0000
L43	6	HB158-21U6S24-xxM_TMO (1-5/8)	4.08 - 4.33	1.0000	1.0000
L43	19	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	20	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	22	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	24	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	25	(Area) Aero MP3-05 (H)	4.08 - 4.33	1.0000	1.0000
L43	30	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	1.0000	1.0000
L43	31	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	1.0000	1.0000
L43	32	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	1.0000	1.0000
L43	40	Safety Line (3/8")	4.08 - 4.33	1.0000	1.0000
L44	2	HB058-M12-XXXF(5/8)	3.23 - 4.08	1.0000	1.0000
L44	6	HB158-21U6S24-xxM_TMO (1-5/8)	3.23 - 4.08	1.0000	1.0000
L44	19	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000
L44	20	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000
L44	22	(Area) Aero MP3-05 (H)	4.00 - 4.08	1.0000	1.0000
L44	24	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000
L44	25	(Area) Aero MP3-05 (H)	3.23 - 4.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L44	30	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	1.0000	1.0000
L44	31	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	1.0000	1.0000
L44	32	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	1.0000	1.0000
L44	40	Safety Line (3/8")	3.23 - 4.08	1.0000	1.0000
L45	2	HB058-M12-XXXF(5/8)	2.88 - 3.23	1.0000	1.0000
L45	6	HB158-21U6S24-xxM_TMO (1-5/8)	2.88 - 3.23	1.0000	1.0000
L45	19	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	20	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	24	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	25	(Area) Aero MP3-05 (H)	2.88 - 3.23	1.0000	1.0000
L45	30	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	1.0000	1.0000
L45	31	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	1.0000	1.0000
L45	32	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	1.0000	1.0000
L45	40	Safety Line (3/8")	2.88 - 3.23	1.0000	1.0000
L46	2	HB058-M12-XXXF(5/8)	2.67 - 2.88	1.0000	1.0000
L46	6	HB158-21U6S24-xxM_TMO (1-5/8)	2.67 - 2.88	1.0000	1.0000
L46	19	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	20	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	24	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	25	(Area) Aero MP3-05 (H)	2.67 - 2.88	1.0000	1.0000
L46	30	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	1.0000	1.0000
L46	31	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	1.0000	1.0000
L46	32	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	1.0000	1.0000
L46	40	Safety Line (3/8")	2.67 - 2.88	1.0000	1.0000
L47	2	HB058-M12-XXXF(5/8)	2.08 - 2.67	1.0000	1.0000
L47	6	HB158-21U6S24-xxM_TMO (1-5/8)	2.08 - 2.67	1.0000	1.0000
L47	19	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	20	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	24	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	25	(Area) Aero MP3-05 (H)	2.08 - 2.67	1.0000	1.0000
L47	30	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	1.0000	1.0000
L47	31	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	1.0000	1.0000
L47	32	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	1.0000	1.0000
L47	40	Safety Line (3/8")	2.08 - 2.67	1.0000	1.0000
L48	2	HB058-M12-XXXF(5/8)	1.83 - 2.08	1.0000	1.0000
L48	6	HB158-21U6S24-xxM_TMO (1-5/8)	1.83 - 2.08	1.0000	1.0000
L48	19	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	20	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	24	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	25	(Area) Aero MP3-05 (H)	1.83 - 2.08	1.0000	1.0000
L48	30	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	1.0000	1.0000
L48	31	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	1.0000	1.0000
L48	32	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	1.0000	1.0000
L48	40	Safety Line (3/8")	1.83 - 2.08	1.0000	1.0000
L49	2	HB058-M12-XXXF(5/8)	0.00 - 1.83	1.0000	1.0000
L49	6	HB158-21U6S24-xxM_TMO (1-5/8)	0.00 - 1.83	1.0000	1.0000
L49	19	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	20	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	24	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	25	(Area) Aero MP3-05 (H)	0.00 - 1.83	1.0000	1.0000
L49	30	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	1.0000	1.0000
L49	31	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	1.0000	1.0000
L49	32	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	1.0000	1.0000
L49	40	Safety Line (3/8")	0.00 - 1.83	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	24	(Area) Aero MP3-05 (H)	89.67 - 90.50	Auto	0.0737
L12	25	(Area) Aero MP3-05 (H)	89.67 - 90.50	Auto	0.0737
L12	28	(Area) Aero MP3-05 (H)	89.67 - 92.08	Auto	0.0781
L13	24	(Area) Aero MP3-05 (H)	89.42 - 89.67	Auto	0.0727
L13	25	(Area) Aero MP3-05 (H)	89.42 - 89.67	Auto	0.0727
L13	28	(Area) Aero MP3-05 (H)	89.42 - 89.67	Auto	0.0727
L14	24	(Area) Aero MP3-05 (H)	88.08 - 89.42	Auto	0.0683
L14	25	(Area) Aero MP3-05 (H)	88.08 - 89.42	Auto	0.0683
L14	27	(Area) Aero MP3-05 (H)	88.08 - 88.25	Auto	0.0650
L14	28	(Area) Aero MP3-05 (H)	88.08 - 89.42	Auto	0.0683
L15	24	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L15	25	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L15	27	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L15	28	(Area) Aero MP3-05 (H)	87.83 - 88.08	Auto	0.1278
L16	24	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L16	25	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L16	27	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L16	28	(Area) Aero MP3-05 (H)	85.83 - 87.83	Auto	0.1215
L17	24	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L17	25	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L17	27	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L17	28	(Area) Aero MP3-05 (H)	85.58 - 85.83	Auto	0.1152
L18	24	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L18	25	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L18	27	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L18	28	(Area) Aero MP3-05 (H)	84.50 - 85.58	Auto	0.1114
L19	24	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L19	25	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L19	27	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L19	28	(Area) Aero MP3-05 (H)	84.25 - 84.50	Auto	0.0953
L20	24	(Area) Aero MP3-05 (H)	79.25 - 84.25	Auto	0.0764
L20	25	(Area) Aero MP3-05 (H)	79.25 - 84.25	Auto	0.0764
L20	27	(Area) Aero MP3-05 (H)	79.25 - 84.25	Auto	0.0764
L20	28	(Area) Aero MP3-05 (H)	82.08 - 84.25	Auto	0.0844
L21	22	(Area) Aero MP3-05 (H)	73.75 - 79.00	Auto	0.0462
L21	24	(Area) Aero MP3-05 (H)	73.75 - 79.25	Auto	0.0469
L21	25	(Area) Aero MP3-05 (H)	73.75 - 79.25	Auto	0.0469
L21	27	(Area) Aero MP3-05 (H)	73.75 - 79.25	Auto	0.0469
L22	22	(Area) Aero MP3-05 (H)	72.75 - 73.75	Auto	0.0824
L22	24	(Area) Aero MP3-05 (H)	72.75 - 73.75	Auto	0.0824
L22	25	(Area) Aero MP3-05 (H)	72.75 - 73.75	Auto	0.0824
L22	27	(Area) Aero MP3-05 (H)	73.25 - 73.75	Auto	0.0838
L23	22	(Area) Aero MP3-05 (H)	67.75 - 72.75	Auto	0.0655
L23	24	(Area) Aero MP3-05 (H)	67.75 - 72.75	Auto	0.0655
L23	25	(Area) Aero MP3-05 (H)	67.75 - 72.75	Auto	0.0655
L24	22	(Area) Aero MP3-05 (H)	63.08 - 67.75	Auto	0.0342
L24	24	(Area) Aero MP3-05 (H)	63.08 - 67.75	Auto	0.0342
L24	25	(Area) Aero MP3-05 (H)	63.08 - 67.75	Auto	0.0342
L24	34	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	Auto	0.1367
L24	35	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	Auto	0.1367
L24	36	(Area) CCI-65FP-060100 (H)	63.08 - 65.58	Auto	0.1367
L25	22	(Area) Aero MP3-05 (H)	62.83 - 63.08	Auto	0.0741
L25	24	(Area) Aero MP3-05 (H)	62.83 - 63.08	Auto	0.0741

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L25	25	(Area) Aero MP3-05 (H)	62.83 - 63.08	Auto	0.0741
L25	34	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	Auto	0.1775
L25	35	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	Auto	0.1775
L25	36	(Area) CCI-65FP-060100 (H)	62.83 - 63.08	Auto	0.1775
L26	22	(Area) Aero MP3-05 (H)	57.83 - 62.83	Auto	0.0552
L26	24	(Area) Aero MP3-05 (H)	57.83 - 62.83	Auto	0.0552
L26	25	(Area) Aero MP3-05 (H)	57.83 - 62.83	Auto	0.0552
L26	34	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.1607
L26	35	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.1607
L26	36	(Area) CCI-65FP-060100 (H)	57.83 - 62.83	Auto	0.1607
L27	22	(Area) Aero MP3-05 (H)	52.83 - 57.83	Auto	0.0230
L27	24	(Area) Aero MP3-05 (H)	52.83 - 57.83	Auto	0.0230
L27	25	(Area) Aero MP3-05 (H)	52.83 - 57.83	Auto	0.0230
L27	34	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.1321
L27	35	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.1321
L27	36	(Area) CCI-65FP-060100 (H)	52.83 - 57.83	Auto	0.1321
L28	22	(Area) Aero MP3-05 (H)	47.83 - 52.83	Auto	0.0014
L28	24	(Area) Aero MP3-05 (H)	47.83 - 52.83	Auto	0.0014
L28	25	(Area) Aero MP3-05 (H)	47.83 - 52.83	Auto	0.0014
L28	34	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	Auto	0.1072
L28	35	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	Auto	0.1072
L28	36	(Area) CCI-65FP-060100 (H)	47.83 - 52.83	Auto	0.1072
L29	22	(Area) Aero MP3-05 (H)	42.75 - 47.83	Auto	0.0000
L29	24	(Area) Aero MP3-05 (H)	42.75 - 47.83	Auto	0.0000
L29	25	(Area) Aero MP3-05 (H)	42.75 - 47.83	Auto	0.0000
L29	34	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	Auto	0.0784
L29	35	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	Auto	0.0784
L29	36	(Area) CCI-65FP-060100 (H)	42.75 - 47.83	Auto	0.0784
L30	22	(Area) Aero MP3-05 (H)	42.50 - 42.75	Auto	0.0000
L30	24	(Area) Aero MP3-05 (H)	42.50 - 42.75	Auto	0.0000
L30	25	(Area) Aero MP3-05 (H)	42.50 - 42.75	Auto	0.0000
L30	34	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	Auto	0.1091
L30	35	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	Auto	0.1091
L30	36	(Area) CCI-65FP-060100 (H)	42.50 - 42.75	Auto	0.1091
L31	22	(Area) Aero MP3-05 (H)	37.50 - 42.50	Auto	0.0000
L31	24	(Area) Aero MP3-05 (H)	37.50 - 42.50	Auto	0.0000
L31	25	(Area) Aero MP3-05 (H)	37.50 - 42.50	Auto	0.0000
L31	34	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	Auto	0.0923
L31	35	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	Auto	0.0923
L31	36	(Area) CCI-65FP-060100 (H)	37.50 - 42.50	Auto	0.0923
L32	22	(Area) Aero MP3-05 (H)	32.75 - 37.50	Auto	0.0000
L32	24	(Area) Aero MP3-05 (H)	32.75 - 37.50	Auto	0.0000
L32	25	(Area) Aero MP3-05 (H)	32.75 - 37.50	Auto	0.0000
L32	30	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	Auto	0.1351
L32	31	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	Auto	0.1351
L32	32	(Area) CCI-65FP-065125 (H)	32.75 - 35.50	Auto	0.1351
L32	34	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0749
L32	35	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0749
L32	36	(Area) CCI-65FP-060100 (H)	35.50 - 37.50	Auto	0.0749
L33	22	(Area) Aero MP3-05 (H)	32.50 - 32.75	Auto	0.0000
L33	24	(Area) Aero MP3-05 (H)	32.50 - 32.75	Auto	0.0000
L33	25	(Area) Aero MP3-05 (H)	32.50 - 32.75	Auto	0.0000
L33	30	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	Auto	0.1417
L33	31	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	Auto	0.1417
L33	32	(Area) CCI-65FP-065125 (H)	32.50 - 32.75	Auto	0.1417
L34	22	(Area) Aero MP3-05 (H)	27.50 - 32.50	Auto	0.0000
L34	24	(Area) Aero MP3-05 (H)	27.50 - 32.50	Auto	0.0000
L34	25	(Area) Aero MP3-05 (H)	27.50 - 32.50	Auto	0.0000
L34	30	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	Auto	0.1263
L34	31	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	Auto	0.1263
L34	32	(Area) CCI-65FP-065125 (H)	27.50 - 32.50	Auto	0.1263

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L35	22	(Area) Aero MP3-05 (H)	22.50 - 27.50	Auto	0.0000
L35	24	(Area) Aero MP3-05 (H)	22.50 - 27.50	Auto	0.0000
L35	25	(Area) Aero MP3-05 (H)	22.50 - 27.50	Auto	0.0000
L35	30	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0999
L35	31	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0999
L35	32	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0999
L36	22	(Area) Aero MP3-05 (H)	17.50 - 22.50	Auto	0.0000
L36	24	(Area) Aero MP3-05 (H)	17.50 - 22.50	Auto	0.0000
L36	25	(Area) Aero MP3-05 (H)	17.50 - 22.50	Auto	0.0000
L36	30	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0768
L36	31	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0768
L36	32	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0768
L37	22	(Area) Aero MP3-05 (H)	12.50 - 17.50	Auto	0.0000
L37	24	(Area) Aero MP3-05 (H)	12.50 - 17.50	Auto	0.0000
L37	25	(Area) Aero MP3-05 (H)	12.50 - 17.50	Auto	0.0000
L37	30	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0504
L37	31	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0504
L37	32	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0504
L38	19	(Area) Aero MP3-05 (H)	8.08 - 10.50	Auto	0.0000
L38	20	(Area) Aero MP3-05 (H)	8.08 - 10.50	Auto	0.0000
L38	22	(Area) Aero MP3-05 (H)	8.08 - 12.50	Auto	0.0000
L38	24	(Area) Aero MP3-05 (H)	8.08 - 12.50	Auto	0.0000
L38	25	(Area) Aero MP3-05 (H)	8.08 - 12.50	Auto	0.0000
L38	30	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	Auto	0.0254
L38	31	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	Auto	0.0254
L38	32	(Area) CCI-65FP-065125 (H)	8.08 - 12.50	Auto	0.0254
L39	19	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	20	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	22	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	24	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	25	(Area) Aero MP3-05 (H)	7.83 - 8.08	Auto	0.0000
L39	30	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	Auto	0.0315
L39	31	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	Auto	0.0315
L39	32	(Area) CCI-65FP-065125 (H)	7.83 - 8.08	Auto	0.0315
L40	19	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	20	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	22	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	24	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	25	(Area) Aero MP3-05 (H)	6.42 - 7.83	Auto	0.0000
L40	30	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	Auto	0.0243
L40	31	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	Auto	0.0243
L40	32	(Area) CCI-65FP-065125 (H)	6.42 - 7.83	Auto	0.0243
L41	19	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	20	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	22	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	24	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	25	(Area) Aero MP3-05 (H)	6.17 - 6.42	Auto	0.0000
L41	30	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	Auto	0.0171
L41	31	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	Auto	0.0171
L41	32	(Area) CCI-65FP-065125 (H)	6.17 - 6.42	Auto	0.0171
L42	19	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	20	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	22	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	24	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	25	(Area) Aero MP3-05 (H)	4.33 - 6.17	Auto	0.0000
L42	30	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	Auto	0.0123
L42	31	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	Auto	0.0123
L42	32	(Area) CCI-65FP-065125 (H)	4.33 - 6.17	Auto	0.0123
L43	19	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	20	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	22	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	24	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	25	(Area) Aero MP3-05 (H)	4.08 - 4.33	Auto	0.0000
L43	30	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	Auto	0.0244
L43	31	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	Auto	0.0244
L43	32	(Area) CCI-65FP-065125 (H)	4.08 - 4.33	Auto	0.0244
L44	19	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	20	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	22	(Area) Aero MP3-05 (H)	4.00 - 4.08	Auto	0.0000
L44	24	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	25	(Area) Aero MP3-05 (H)	3.23 - 4.08	Auto	0.0000
L44	30	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	Auto	0.0321
L44	31	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	Auto	0.0321
L44	32	(Area) CCI-65FP-065125 (H)	3.23 - 4.08	Auto	0.0321
L45	19	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	20	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	24	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	25	(Area) Aero MP3-05 (H)	2.88 - 3.23	Auto	0.0000
L45	30	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	Auto	0.0056
L45	31	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	Auto	0.0056
L45	32	(Area) CCI-65FP-065125 (H)	2.88 - 3.23	Auto	0.0056
L46	19	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	20	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	24	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	25	(Area) Aero MP3-05 (H)	2.67 - 2.88	Auto	0.0000
L46	30	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	Auto	0.0043
L46	31	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	Auto	0.0043
L46	32	(Area) CCI-65FP-065125 (H)	2.67 - 2.88	Auto	0.0043
L47	19	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	20	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	24	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	25	(Area) Aero MP3-05 (H)	2.08 - 2.67	Auto	0.0000
L47	30	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	Auto	0.0025
L47	31	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	Auto	0.0025
L47	32	(Area) CCI-65FP-065125 (H)	2.08 - 2.67	Auto	0.0025
L48	19	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	20	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	24	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	25	(Area) Aero MP3-05 (H)	1.83 - 2.08	Auto	0.0000
L48	30	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	Auto	0.0000
L48	31	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	Auto	0.0000
L48	32	(Area) CCI-65FP-065125 (H)	1.83 - 2.08	Auto	0.0000
L49	19	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	20	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	24	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	25	(Area) Aero MP3-05 (H)	0.00 - 1.83	Auto	0.0000
L49	30	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	Auto	0.0000
L49	31	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	Auto	0.0000
L49	32	(Area) CCI-65FP-065125 (H)	0.00 - 1.83	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
147									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVTM14-C-120 w/ Mount Pipe	A	From Centroid-Leg	4.00 2.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	B	From Centroid-Leg	4.00 2.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	C	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
800 EXTERNAL NOTCH FILTER	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800 EXTERNAL NOTCH FILTER	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800 EXTERNAL NOTCH FILTER	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800MHZ RRH	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
800MHZ RRH	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
800MHZ RRH	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
(3) ACU-A20-N	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
(3) ACU-A20-N	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01

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
(3) ACU-A20-N	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
1900MHZ RRH (65MHZ)	A	From Centroid-Leg	4.00 -6.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.38 2.58 2.79 3.24	0.06 0.08 0.11 0.18
1900MHZ RRH (65MHZ)	B	From Centroid-Leg	4.00 -6.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.38 2.58 2.79 3.24	0.06 0.08 0.11 0.18
1900MHZ RRH (65MHZ)	C	From Centroid-Leg	4.00 -6.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.31 2.52 2.73 3.17	2.38 2.58 2.79 3.24	0.06 0.08 0.11 0.18
TD-RRH8X20-25	A	From Centroid-Leg	4.00 2.00 0.00	-20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8X20-25	B	From Centroid-Leg	4.00 2.00 0.00	20.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8X20-25	C	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
(2) 2.4" Dia x 6-ft Pipe	A	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	B	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	C	From Centroid-Leg	4.00 2.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Miscellaneous [NA 510-3]	C	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.03 18.71 23.00 30.80	14.03 18.71 23.00 30.80	0.52 0.73 1.01 1.76
Platform Mount [LP 1201-1]	C	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	18.38 22.11 25.87 33.47	18.38 22.11 25.87 33.47	2.10 2.65 3.26 4.66
136									
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35

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
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.29 6.86 7.45 8.68	2.76 3.27 3.79 4.90	0.06 0.11 0.16 0.29
RADIO 4449 B71 B85A_T-MOBILE	A	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	C	From Centroid-Leg	4.00 -6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4415 B66A	A	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.86 2.03 2.20 2.58	0.87 1.00 1.13 1.43	0.05 0.06 0.08 0.12
RADIO 4415 B66A	B	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.86 2.03 2.20 2.58	0.87 1.00 1.13 1.43	0.05 0.06 0.08 0.12
RADIO 4415 B66A	C	From Centroid-Leg	4.00 -2.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.86 2.03 2.20 2.58	0.87 1.00 1.13 1.43	0.05 0.06 0.08 0.12
RADIO 4424 B25_TMOV1	A	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.05 2.23 2.42 2.81	1.61 1.77 1.94 2.30	0.10 0.12 0.14 0.20
RADIO 4424 B25_TMOV1	B	From	4.00	30.0000	136.00	No Ice	2.05	1.61	0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	6.00 1.00			1/2" Ice 1" Ice 2" Ice	2.23 2.42 2.81	1.77 1.94 2.30	0.12 0.14 0.20
RADIO 4424 B25_TMOV1	C	From Centroid-Leg	4.00 6.00 1.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.05 2.23 2.42 2.81	1.61 1.77 1.94 2.30	0.10 0.12 0.14 0.20
2.4" x 8' Pipe	A	From Centroid-Leg	4.00 2.00 0.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.42 4.46	1.90 2.73 3.42 4.46	0.03 0.05 0.07 0.13
2.4" x 8' Pipe	B	From Centroid-Leg	4.00 2.00 0.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.42 4.46	1.90 2.73 3.42 4.46	0.03 0.05 0.07 0.13
2.4" x 8' Pipe	C	From Centroid-Leg	4.00 2.00 0.00	30.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.42 4.46	1.90 2.73 3.42 4.46	0.03 0.05 0.07 0.13
RMQP-469-HK	C	None		0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	23.14 28.17 33.23 43.35	21.40 26.44 31.60 41.92	1.95 2.34 2.85 3.87
118									
RRFDC-3315-PF-48	A	From Leg	1.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.36 3.60 3.84 4.34	2.19 2.39 2.61 3.05	0.02 0.05 0.08 0.16
RRFDC-3315-PF-48	B	From Leg	1.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.36 3.60 3.84 4.34	2.19 2.39 2.61 3.05	0.02 0.05 0.08 0.16
115									
(2) LPA-80080/4CF w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.11 3.58 4.02 4.90	6.82 7.65 8.35 9.81	0.03 0.08 0.14 0.27
(2) LPA-80063/6CF w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	10.06 10.75 11.40 12.62	10.45 11.74 12.87 14.82	0.06 0.15 0.25 0.49
(2) APL868013-42T0 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.63 3.07 3.53 4.49	4.13 4.60 5.09 6.11	0.03 0.06 0.11 0.21
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29

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) JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
CBC78T-DS-43-2X	A	From Centroid-Leg	4.00 -6.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	B	From Centroid-Leg	4.00 -6.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	C	From Centroid-Leg	4.00 -6.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
RFV01U-D1A	A	From Centroid-Leg	4.00 3.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	B	From Centroid-Leg	4.00 3.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	C	From Centroid-Leg	4.00 3.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D2A	A	From Centroid-Leg	4.00 6.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D2A	B	From Centroid-Leg	4.00 6.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D2A	C	From Centroid-Leg	4.00 6.00 1.00	30.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
(2) 2.4" Dia x 4-ft Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
(2) 2.4" Dia x 4-ft Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
(2) 2.4" Dia x 4-ft Mount Pipe	C	From	4.00	0.0000	115.00	No Ice	0.87	0.87	0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.00 1.00			1/2" Ice 1" Ice 2" Ice	1.12 1.37 1.91	1.12 1.37 1.91	0.02 0.03 0.06
Platform Mount [LP 714-1]	C	None		0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	37.51 41.70 45.89 54.29	37.51 41.70 45.89 54.29	1.60 2.50 3.46 5.58
106									
7770.00 w/ Mount Pipe	A	From Centroid-Leg	4.00 -6.00 0.00	35.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
SBNHH-1D65A w/ Mount Pipe	A	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
SBNHH-1D65A w/ Mount Pipe	B	From Centroid-Leg	4.00 -2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
SBNHH-1D65A w/ Mount Pipe	C	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
DMP65R-BU4D w/ Mount Pipe	A	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.53 8.04 8.57 9.68	3.79 4.23 4.68 5.63	0.09 0.16 0.22 0.39
DMP65R-BU4D w/ Mount Pipe	B	From Centroid-Leg	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.53 8.04 8.57 9.68	3.79 4.23 4.68 5.63	0.09 0.16 0.22 0.39
DMP65R-BU4D w/ Mount Pipe	C	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.53 8.04 8.57 9.68	3.79 4.23 4.68 5.63	0.09 0.16 0.22 0.39
TPA-65R-BU4AA-K w/ Mount Pipe	A	From Centroid-Leg	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.03 5.52 6.53	5.33 5.82 6.32 7.36	0.11 0.16 0.22 0.37
TPA-65R-BU4AA-K w/ Mount Pipe	B	From Centroid-Leg	4.00 6.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.03 5.52 6.53	5.33 5.82 6.32 7.36	0.11 0.16 0.22 0.37
TPA-65R-BU4AA-K w/ Mount Pipe	C	From Centroid-Leg	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.56 5.03 5.52 6.53	5.33 5.82 6.32 7.36	0.11 0.16 0.22 0.37
(2) LGP21401	A	From	4.00	35.0000	106.00	No Ice	1.10	0.21	0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	-6.00 0.00			1/2" Ice 1" Ice 2" Ice	1.24 1.38 1.69	0.27 0.35 0.52	0.02 0.03 0.05
(2) LGP21401	B	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.10 1.24 1.38 1.69	0.21 0.27 0.35 0.52	0.01 0.02 0.03 0.05
(2) LGP21401	C	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.10 1.24 1.38 1.69	0.21 0.27 0.35 0.52	0.01 0.02 0.03 0.05
(2) 7020.00	A	From Centroid-Leg	4.00 -6.00 0.00	35.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
(2) 7020.00	B	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
(2) 7020.00	C	From Centroid-Leg	4.00 -6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.15 0.20 0.33	0.17 0.24 0.31 0.48	0.00 0.01 0.01 0.02
RRUS 32 B2_CCIV2	A	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.09 3.32 3.81	1.78 1.97 2.17 2.59	0.06 0.08 0.10 0.16
RRUS 32 B2_CCIV2	B	From Centroid-Leg	4.00 -2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.09 3.32 3.81	1.78 1.97 2.17 2.59	0.06 0.08 0.10 0.16
RRUS 32 B2_CCIV2	C	From Centroid-Leg	4.00 -2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.09 3.32 3.81	1.78 1.97 2.17 2.59	0.06 0.08 0.10 0.16
RADIO 4449 B5/B12	A	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RADIO 4449 B5/B12	B	From Centroid-Leg	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RADIO 4449 B5/B12	C	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.30 1.45 1.60 1.92	0.07 0.09 0.11 0.16
RRUS 4478 B14	A	From Centroid-Leg	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	B	From Centroid-Leg	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	C	From Centroid-Leg	4.00 2.00	23.0000	106.00	No Ice 1/2" Ice	1.84 2.01	1.06 1.20	0.06 0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		g	0.00			1" Ice	2.19	1.34	0.09
						2" Ice	2.57	1.66	0.14
RRUS 4426 B66	A	From Centroid-Le g	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.73 0.84 0.97 1.24	0.05 0.06 0.08 0.11
RRUS 4426 B66	B	From Centroid-Le g	4.00 6.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.73 0.84 0.97 1.24	0.05 0.06 0.08 0.11
RRUS 4426 B66	C	From Centroid-Le g	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.73 0.84 0.97 1.24	0.05 0.06 0.08 0.11
RRUS 32 B30	A	From Centroid-Le g	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	B	From Centroid-Le g	4.00 6.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	C	From Centroid-Le g	4.00 6.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
DC6-48-60-18-8F	A	From Centroid-Le g	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	B	From Centroid-Le g	4.00 2.00 0.00	45.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	C	From Centroid-Le g	4.00 2.00 0.00	23.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
Platform Mount [LP 1201-1_KCKR-HR-1]	C	None		0.0000	106.00	No Ice 1/2" Ice 1" Ice 2" Ice	37.61 45.62 53.59 69.65	37.61 45.62 53.59 69.65	2.63 3.48 4.46 6.85
76									
OG-860/1920/GPS-A	B	From Leg	3.00 0.00 1.00	0.0000	76.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.31 0.40 0.49 0.70	0.37 0.46 0.55 0.77	0.00 0.01 0.01 0.02
KS24019-L112A	C	From Leg	3.00 0.00 1.00	0.0000	76.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.08 0.13 0.19 0.35	0.08 0.13 0.19 0.35	0.01 0.01 0.01 0.02
Side Arm Mount [SO 701-3]	C	None		0.0000	76.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.83 3.92 5.01 7.19	2.83 3.92 5.01 7.19	0.20 0.24 0.28 0.36
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Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	147 - 142	Pole	Max Tension	26	0.00	0.00	-0.00
			Max. Compression	26	-10.28	0.02	0.02
			Max. Mx	20	-4.39	27.16	0.46
			Max. My	2	-4.37	0.55	27.73
			Max. Vy	8	5.65	-27.16	-0.53
			Max. Vx	2	-5.77	0.55	27.73
			Max. Torque	25			-0.67
L2	142 - 137	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-10.94	0.05	0.05
			Max. Mx	20	-4.74	56.56	0.96
			Max. My	2	-4.72	1.03	57.71
			Max. Vy	8	6.11	-56.56	-1.02
			Max. Vx	2	-6.22	1.03	57.71
			Max. Torque	25			-0.67
L3	137 - 132	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-20.67	-0.01	0.12
			Max. Mx	8	-9.16	-113.38	-1.51
			Max. My	2	-9.14	1.49	115.11
			Max. Vy	8	12.00	-113.38	-1.51
			Max. Vx	2	-12.12	1.49	115.11
			Max. Torque	25			-0.67
L4	132 - 127	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-21.47	-0.10	0.20
			Max. Mx	8	-9.61	-174.60	-2.00
			Max. My	2	-9.58	1.94	176.91
			Max. Vy	8	12.47	-174.60	-2.00
			Max. Vx	2	-12.59	1.94	176.91
			Max. Torque	25			-0.67
L5	127 - 122	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.29	-0.19	0.29
			Max. Mx	8	-10.08	-238.15	-2.48
			Max. My	2	-10.06	2.39	241.06
			Max. Vy	8	12.94	-238.15	-2.48
			Max. Vx	2	-13.06	2.39	241.06
			Max. Torque	25			-0.67
L6	122 - 117	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-23.38	-0.49	0.50
			Max. Mx	8	-10.60	-304.41	-2.98
			Max. My	2	-10.57	2.85	307.91
			Max. Vy	8	13.71	-304.41	-2.98
			Max. Vx	2	-13.87	2.85	307.91
			Max. Torque	24			-0.93
L7	117 - 112	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.75	-2.06	0.08
			Max. Mx	8	-14.48	-398.63	-4.25
			Max. My	2	-14.45	3.94	402.30
			Max. Vy	8	20.85	-398.63	-4.25
			Max. Vx	2	-20.95	3.94	402.30
			Max. Torque	14			3.28
L8	112 - 105	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.36	-2.13	0.14
			Max. Mx	8	-14.89	-466.87	-5.08
			Max. My	2	-14.86	4.75	470.88
			Max. Vy	8	21.15	-466.87	-5.08
			Max. Vx	2	-21.25	4.75	470.88
			Max. Torque	14			3.28
L9	105 - 103.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.87	-2.23	0.24

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	8	-20.96	-588.33	-6.19
			Max. My	2	-20.91	5.83	593.21
			Max. Vy	8	28.05	-588.33	-6.19
			Max. Vx	2	-28.32	5.83	593.21
			Max. Torque	14			3.89
L10	103.75 - 98.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.00	-2.34	0.34
			Max. Mx	8	-21.83	-729.68	-7.01
			Max. My	2	-21.79	6.62	735.86
			Max. Vy	8	28.49	-729.68	-7.01
			Max. Vx	2	-28.76	6.62	735.86
			Max. Torque	14			3.89
L11	98.75 - 93.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.15	-2.45	0.44
			Max. Mx	8	-22.75	-873.19	-7.84
			Max. My	2	-22.70	7.40	880.68
			Max. Vy	8	28.92	-873.19	-7.84
			Max. Vx	2	-29.18	7.40	880.68
			Max. Torque	14			3.89
L12	93.75 - 89.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.16	-2.51	0.52
			Max. Mx	8	-23.52	-991.95	-8.50
			Max. My	2	-23.48	8.04	1000.52
			Max. Vy	8	29.26	-991.95	-8.50
			Max. Vx	2	-29.53	8.04	1000.52
			Max. Torque	14			3.89
L13	89.667 - 89.417	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.23	-2.51	0.53
			Max. Mx	8	-23.59	-999.27	-8.54
			Max. My	2	-23.55	8.08	1007.90
			Max. Vy	8	29.27	-999.27	-8.54
			Max. Vx	2	-29.54	8.08	1007.90
			Max. Torque	14			3.88
L14	89.417 - 88.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.62	-2.54	0.55
			Max. Mx	8	-23.86	-1038.39	-8.76
			Max. My	2	-23.81	8.28	1047.40
			Max. Vy	8	29.40	-1038.39	-8.76
			Max. Vx	2	-29.69	8.28	1047.40
			Max. Torque	14			3.88
L15	88.083 - 87.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.71	-2.54	0.55
			Max. Mx	8	-23.94	-1045.74	-8.80
			Max. My	2	-23.90	8.32	1054.82
			Max. Vy	8	29.41	-1045.74	-8.80
			Max. Vx	2	-29.69	8.32	1054.82
			Max. Torque	14			3.88
L16	87.833 - 85.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.42	-2.55	0.56
			Max. Mx	8	-24.43	-1104.77	-9.13
			Max. My	2	-24.39	8.63	1114.43
			Max. Vy	8	29.61	-1104.77	-9.13
			Max. Vx	2	-29.91	8.63	1114.43
			Max. Torque	14			3.88
L17	85.833 - 85.583	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.51	-2.55	0.56

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	8	-24.51	-1112.17	-9.17
			Max. My	2	-24.47	8.67	1121.91
			Max. Vy	8	29.63	-1112.17	-9.17
			Max. Vx	2	-29.93	8.67	1121.91
			Max. Torque	14			3.88
L18	85.583 - 84.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.92	-2.55	0.57
			Max. Mx	8	-24.80	-1144.32	-9.35
			Max. My	2	-24.75	8.84	1154.40
			Max. Vy	8	29.74	-1144.32	-9.35
			Max. Vx	2	-30.06	8.84	1154.40
			Max. Torque	14			3.88
L19	84.5 - 84.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.01	-2.55	0.57
			Max. Mx	8	-24.87	-1151.76	-9.39
			Max. My	2	-24.83	8.88	1161.91
			Max. Vy	8	29.76	-1151.76	-9.39
			Max. Vx	2	-30.08	8.88	1161.91
			Max. Torque	14			3.88
L20	84.25 - 79.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.75	-2.61	0.59
			Max. Mx	8	-26.15	-1301.76	-10.20
			Max. My	2	-26.11	9.66	1313.49
			Max. Vy	8	30.24	-1301.76	-10.20
			Max. Vx	2	-30.56	9.66	1313.49
			Max. Torque	14			3.88
L21	79.25 - 73.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.20	-2.61	0.59
			Max. Mx	8	-26.47	-1339.62	-10.40
			Max. My	2	-26.43	9.85	1351.75
			Max. Vy	8	30.36	-1339.62	-10.40
			Max. Vx	2	-30.68	9.85	1351.75
			Max. Torque	14			3.88
L22	73.75 - 72.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.71	-2.64	0.56
			Max. Mx	8	-29.02	-1501.17	-11.26
			Max. My	2	-28.98	10.68	1515.07
			Max. Vy	8	31.13	-1501.17	-11.26
			Max. Vx	2	-31.49	10.68	1515.07
			Max. Torque	14			3.92
L23	72.75 - 67.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.59	-2.72	0.66
			Max. Mx	8	-30.47	-1657.96	-12.06
			Max. My	2	-30.43	11.45	1673.69
			Max. Vy	8	31.59	-1657.96	-12.06
			Max. Vx	2	-31.98	11.45	1673.69
			Max. Torque	14			3.92
L24	67.75 - 63.08	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.45	-2.81	0.74
			Max. Mx	8	-31.86	-1806.44	-12.81
			Max. My	2	-31.82	12.17	1824.04
			Max. Vy	8	32.01	-1806.44	-12.81
			Max. Vx	2	-32.43	12.17	1824.04
			Max. Torque	14			3.92
L25	63.08 - 62.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.58	-2.82	0.75
			Max. Mx	8	-31.97	-1814.45	-12.85
			Max. My	2	-31.93	12.21	1832.15
			Max. Vy	8	32.02	-1814.45	-12.85
			Max. Vx	2	-32.45	12.21	1832.15
			Max. Torque	14			3.92

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L26	62.83 - 57.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.02	-2.91	0.83
			Max. Mx	8	-33.80	-1975.80	-13.65
			Max. My	2	-33.76	12.98	1995.74
			Max. Vy	8	32.51	-1975.80	-13.65
			Max. Vx	2	-32.99	12.98	1995.74
			Max. Torque	14			3.92
L27	57.83 - 52.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.49	-3.01	0.91
			Max. Mx	8	-35.67	-2139.53	-14.44
			Max. My	2	-35.64	13.74	2161.95
			Max. Vy	8	32.98	-2139.53	-14.44
			Max. Vx	2	-33.51	13.74	2161.95
			Max. Torque	14			3.92
L28	52.83 - 47.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.97	-3.11	0.99
			Max. Mx	8	-37.57	-2305.58	-15.23
			Max. My	2	-37.54	14.51	2330.70
			Max. Vy	8	33.44	-2305.58	-15.23
			Max. Vx	2	-34.01	14.51	2330.70
			Max. Torque	14			3.92
L29	47.83 - 42.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.14	-3.12	1.00
			Max. Mx	8	-37.71	-2316.62	-15.28
			Max. My	2	-37.67	14.56	2341.92
			Max. Vy	8	33.46	-2316.62	-15.28
			Max. Vx	2	-34.03	14.56	2341.92
			Max. Torque	14			3.92
L30	42.75 - 42.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-75.64	-3.23	1.08
			Max. Mx	8	-41.26	-2485.42	-16.07
			Max. My	2	-41.22	15.32	2513.62
			Max. Vy	8	34.04	-2485.42	-16.07
			Max. Vx	2	-34.64	15.32	2513.62
			Max. Torque	14			3.91
L31	42.5 - 37.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.29	-3.33	1.17
			Max. Mx	8	-43.33	-2656.67	-16.86
			Max. My	2	-43.30	16.08	2687.96
			Max. Vy	8	34.46	-2656.67	-16.86
			Max. Vx	2	-35.10	16.08	2687.96
			Max. Torque	14			3.91
L32	37.5 - 32.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.83	-3.43	1.25
			Max. Mx	8	-45.33	-2821.24	-17.60
			Max. My	2	-45.30	16.79	2855.63
			Max. Vy	8	34.85	-2821.24	-17.60
			Max. Vx	2	-35.52	16.79	2855.63
			Max. Torque	14			3.91
L33	32.75 - 32.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.98	-3.44	1.25
			Max. Mx	8	-45.46	-2829.96	-17.64
			Max. My	2	-45.43	16.83	2864.51
			Max. Vy	8	34.85	-2829.96	-17.64
			Max. Vx	2	-35.52	16.83	2864.51
			Max. Torque	14			3.91
L34	32.5 - 27.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.81	-3.54	1.34
			Max. Mx	8	-47.71	-3005.21	-18.42
			Max. My	2	-47.68	17.58	3043.20
			Max. Vy	8	35.25	-3005.21	-18.42

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-35.96	17.58	3043.20
			Max. Torque	14			3.91
L35	27.5 - 22.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.66	-3.65	1.42
			Max. Mx	8	-50.00	-3182.34	-19.19
			Max. My	2	-49.98	18.33	3223.91
			Max. Vy	8	35.61	-3182.34	-19.19
			Max. Vx	2	-36.35	18.33	3223.91
			Max. Torque	14			3.91
L36	22.5 - 17.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.52	-3.76	1.51
			Max. Mx	8	-52.32	-3361.20	-19.96
			Max. My	2	-52.30	19.08	3406.49
			Max. Vy	8	35.94	-3361.20	-19.96
			Max. Vx	2	-36.71	19.08	3406.49
			Max. Torque	14			3.91
L37	17.5 - 12.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-92.39	-3.88	1.59
			Max. Mx	8	-54.66	-3541.62	-20.72
			Max. My	2	-54.65	19.81	3590.75
			Max. Vy	8	36.24	-3541.62	-20.72
			Max. Vx	2	-37.02	19.81	3590.75
			Max. Torque	14			3.91
L38	12.5 - 8.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.97	-3.90	1.64
			Max. Mx	8	-56.76	-3702.22	-21.39
			Max. My	2	-56.75	20.46	3754.87
			Max. Vy	8	36.49	-3702.22	-21.39
			Max. Vx	2	-37.32	20.46	3754.87
			Max. Torque	14			3.91
L39	8.083 - 7.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-95.12	-3.90	1.64
			Max. Mx	8	-56.90	-3711.34	-21.42
			Max. My	2	-56.89	20.50	3764.19
			Max. Vy	8	36.49	-3711.34	-21.42
			Max. Vx	2	-37.32	20.50	3764.19
			Max. Torque	14			3.91
L40	7.833 - 6.417	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.03	-3.89	1.65
			Max. Mx	8	-57.63	-3763.08	-21.64
			Max. My	2	-57.62	20.70	3817.11
			Max. Vy	8	36.60	-3763.08	-21.64
			Max. Vx	2	-37.45	20.70	3817.11
			Max. Torque	14			3.91
L41	6.417 - 6.167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.18	-3.89	1.65
			Max. Mx	8	-57.77	-3772.23	-21.67
			Max. My	2	-57.76	20.74	3826.47
			Max. Vy	8	36.59	-3772.23	-21.67
			Max. Vx	2	-37.44	20.74	3826.47
			Max. Torque	14			3.91
L42	6.167 - 4.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.30	-3.87	1.66
			Max. Mx	8	-58.67	-3839.45	-21.95
			Max. My	2	-58.66	21.01	3895.27
			Max. Vy	8	36.73	-3839.45	-21.95
			Max. Vx	2	-37.61	21.01	3895.27
			Max. Torque	14			3.91
L43	4.333 - 4.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.46	-3.87	1.66
			Max. Mx	8	-58.83	-3848.63	-21.99

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	-58.83	21.04	3904.66
			Max. Vy	8	36.71	-3848.63	-21.99
			Max. Vx	2	-37.59	21.04	3904.66
			Max. Torque	14			3.91
L44	4.083 - 3.233	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.99	-3.88	1.66
			Max. Mx	8	-59.27	-3879.86	-22.11
			Max. My	2	-59.26	21.17	3936.64
			Max. Vy	8	36.78	-3879.86	-22.11
			Max. Vx	2	-37.66	21.17	3936.64
			Max. Torque	14			3.91
L45	3.233 - 2.883	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.20	-3.88	1.66
			Max. Mx	8	-59.45	-3892.74	-22.17
			Max. My	2	-59.44	21.22	3949.82
			Max. Vy	8	36.79	-3892.74	-22.17
			Max. Vx	2	-37.67	21.22	3949.82
			Max. Torque	14			3.91
L46	2.883 - 2.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.33	-3.89	1.67
			Max. Mx	8	-59.56	-3900.69	-22.20
			Max. My	2	-59.55	21.25	3957.96
			Max. Vy	8	36.80	-3900.69	-22.20
			Max. Vx	2	-37.68	21.25	3957.96
			Max. Torque	14			3.91
L47	2.667 - 2.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.67	-3.89	1.67
			Max. Mx	8	-59.84	-3922.19	-22.28
			Max. My	2	-59.84	21.33	3979.98
			Max. Vy	8	36.84	-3922.19	-22.28
			Max. Vx	2	-37.72	21.33	3979.98
			Max. Torque	14			3.91
L48	2.083 - 1.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-98.79	-3.90	1.67
			Max. Mx	8	-59.95	-3931.40	-22.32
			Max. My	2	-59.94	21.37	3989.41
			Max. Vy	8	36.84	-3931.40	-22.32
			Max. Vx	2	-37.73	21.37	3989.41
			Max. Torque	14			3.91
L49	1.833 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-99.67	-3.92	1.68
			Max. Mx	8	-60.67	-3999.02	-22.59
			Max. My	2	-60.67	21.63	4058.65
			Max. Vy	8	36.97	-3999.02	-22.59
			Max. Vx	2	-37.86	21.63	4058.65
			Max. Torque	14			3.91

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	99.67	0.02	8.58
	Max. H_x	20	60.71	36.92	0.16
	Max. H_z	3	45.53	0.16	37.80
	Max. M_x	2	4058.65	0.16	37.80
	Max. M_z	8	3999.02	-36.92	-0.16

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Max. Torsion	14	3.91	-0.16	-37.80
	Min. Vert	11	45.53	-32.05	-18.72
	Min. H_x	8	60.71	-36.92	-0.16
	Min. H_z	14	60.71	-0.16	-37.80
	Min. M_x	14	-4056.88	-0.16	-37.80
	Min. M_z	20	-3995.26	36.92	0.16
	Min. Torsion	2	-3.90	0.16	37.80

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	50.59	0.00	0.00	-0.71	-1.49	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	60.71	-0.16	-37.80	-4058.65	21.63	3.90
0.9 Dead+1.0 Wind 0 deg - No Ice	45.53	-0.16	-37.80	-4009.03	21.78	3.90
1.2 Dead+1.0 Wind 30 deg - No Ice	60.71	18.32	-32.10	-3478.53	-1980.09	3.13
0.9 Dead+1.0 Wind 30 deg - No Ice	45.53	18.32	-32.10	-3435.84	-1955.50	3.13
1.2 Dead+1.0 Wind 60 deg - No Ice	60.71	31.89	-18.44	-1995.18	-3451.81	1.52
0.9 Dead+1.0 Wind 60 deg - No Ice	45.53	31.89	-18.44	-1970.63	-3409.23	1.52
1.2 Dead+1.0 Wind 90 deg - No Ice	60.71	36.92	0.16	22.59	-3999.02	-0.50
0.9 Dead+1.0 Wind 90 deg - No Ice	45.53	36.92	0.16	22.48	-3949.74	-0.51
1.2 Dead+1.0 Wind 120 deg - No Ice	60.71	32.05	18.72	2033.99	-3475.14	-2.39
0.9 Dead+1.0 Wind 120 deg - No Ice	45.53	32.05	18.72	2009.32	-3432.23	-2.39
1.2 Dead+1.0 Wind 150 deg - No Ice	60.71	18.59	32.26	3500.08	-2020.66	-3.64
0.9 Dead+1.0 Wind 150 deg - No Ice	45.53	18.59	32.26	3457.53	-1995.50	-3.64
1.2 Dead+1.0 Wind 180 deg - No Ice	60.71	0.16	37.80	4056.88	-25.32	-3.91
0.9 Dead+1.0 Wind 180 deg - No Ice	45.53	0.16	37.80	4007.72	-24.50	-3.90
1.2 Dead+1.0 Wind 210 deg - No Ice	60.71	-18.32	32.10	3476.72	1976.38	-3.13
0.9 Dead+1.0 Wind 210 deg - No Ice	45.53	-18.32	32.10	3434.50	1952.76	-3.12
1.2 Dead+1.0 Wind 240 deg - No Ice	60.71	-31.89	18.44	1993.38	3448.06	-1.51
0.9 Dead+1.0 Wind 240 deg - No Ice	45.53	-31.89	18.44	1969.30	3406.46	-1.51
1.2 Dead+1.0 Wind 270 deg - No Ice	60.71	-36.92	-0.16	-24.36	3995.26	0.51
0.9 Dead+1.0 Wind 270 deg - No Ice	45.53	-36.92	-0.16	-23.79	3946.96	0.51
1.2 Dead+1.0 Wind 300 deg - No Ice	60.71	-32.05	-18.72	-2035.72	3471.39	2.39
0.9 Dead+1.0 Wind 300 deg -	45.53	-32.05	-18.72	-2010.61	3429.46	2.39

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
No Ice 1.2 Dead+1.0 Wind 330 deg - No Ice	60.71	-18.59	-32.26	-3501.82	2016.96	3.63
0.9 Dead+1.0 Wind 330 deg - No Ice	45.53	-18.59	-32.26	-3458.82	1992.76	3.63
1.2 Dead+1.0 Ice+1.0 Temp	99.67	0.00	-0.00	-1.68	-3.92	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	99.67	-0.02	-8.58	-957.59	-0.73	0.72
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	99.67	4.26	-7.42	-827.82	-477.15	0.60
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	99.67	7.39	-4.27	-476.71	-826.84	0.33
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	99.67	8.55	0.02	1.66	-956.09	-0.03
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	99.67	7.42	4.31	479.11	-830.27	-0.39
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	99.67	4.29	7.44	827.71	-483.10	-0.64
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	99.67	0.02	8.58	954.04	-7.60	-0.72
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	99.67	-4.26	7.42	824.27	468.82	-0.60
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	99.67	-7.39	4.27	473.16	818.50	-0.33
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	99.67	-8.55	-0.02	-5.21	947.74	0.03
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	99.67	-7.42	-4.31	-482.65	821.93	0.39
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	99.67	-4.29	-7.44	-831.25	474.76	0.64
Dead+Wind 0 deg - Service	50.59	-0.03	-7.59	-809.88	3.11	0.79
Dead+Wind 30 deg - Service	50.59	3.68	-6.44	-694.16	-396.02	0.64
Dead+Wind 60 deg - Service	50.59	6.40	-3.70	-398.39	-689.46	0.31
Dead+Wind 90 deg - Service	50.59	7.41	0.03	3.94	-798.57	-0.10
Dead+Wind 120 deg - Service	50.59	6.43	3.76	405.01	-694.13	-0.49
Dead+Wind 150 deg - Service	50.59	3.73	6.48	697.36	-404.12	-0.74
Dead+Wind 180 deg - Service	50.59	0.03	7.59	808.40	-6.24	-0.79
Dead+Wind 210 deg - Service	50.59	-3.68	6.44	692.69	392.90	-0.63
Dead+Wind 240 deg - Service	50.59	-6.40	3.70	396.91	686.34	-0.31
Dead+Wind 270 deg - Service	50.59	-7.41	-0.03	-5.41	795.45	0.10
Dead+Wind 300 deg - Service	50.59	-6.43	-3.76	-406.48	691.01	0.49
Dead+Wind 330 deg - Service	50.59	-3.73	-6.48	-698.83	400.99	0.74

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	0.00	-50.59	0.00	0.00	50.59	0.00	0.000%
2	-0.16	-60.71	-37.80	0.16	60.71	37.80	0.000%
3	-0.16	-45.53	-37.80	0.16	45.53	37.80	0.000%
4	18.32	-60.71	-32.10	-18.32	60.71	32.10	0.000%
5	18.32	-45.53	-32.10	-18.32	45.53	32.10	0.000%
6	31.89	-60.71	-18.44	-31.89	60.71	18.44	0.000%
7	31.89	-45.53	-18.44	-31.89	45.53	18.44	0.000%
8	36.92	-60.71	0.16	-36.92	60.71	-0.16	0.000%
9	36.92	-45.53	0.16	-36.92	45.53	-0.16	0.000%
10	32.05	-60.71	18.72	-32.05	60.71	-18.72	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
11	32.05	-45.53	18.72	-32.05	45.53	-18.72	0.000%
12	18.59	-60.71	32.26	-18.59	60.71	-32.26	0.000%
13	18.59	-45.53	32.26	-18.59	45.53	-32.26	0.000%
14	0.16	-60.71	37.80	-0.16	60.71	-37.80	0.000%
15	0.16	-45.53	37.80	-0.16	45.53	-37.80	0.000%
16	-18.32	-60.71	32.10	18.32	60.71	-32.10	0.000%
17	-18.32	-45.53	32.10	18.32	45.53	-32.10	0.000%
18	-31.89	-60.71	18.44	31.89	60.71	-18.44	0.000%
19	-31.89	-45.53	18.44	31.89	45.53	-18.44	0.000%
20	-36.92	-60.71	-0.16	36.92	60.71	0.16	0.000%
21	-36.92	-45.53	-0.16	36.92	45.53	0.16	0.000%
22	-32.05	-60.71	-18.72	32.05	60.71	18.72	0.000%
23	-32.05	-45.53	-18.72	32.05	45.53	18.72	0.000%
24	-18.59	-60.71	-32.26	18.59	60.71	32.26	0.000%
25	-18.59	-45.53	-32.26	18.59	45.53	32.26	0.000%
26	0.00	-99.67	0.00	-0.00	99.67	0.00	0.000%
27	-0.02	-99.67	-8.58	0.02	99.67	8.58	0.000%
28	4.26	-99.67	-7.42	-4.26	99.67	7.42	0.000%
29	7.39	-99.67	-4.27	-7.39	99.67	4.27	0.000%
30	8.55	-99.67	0.02	-8.55	99.67	-0.02	0.000%
31	7.42	-99.67	4.31	-7.42	99.67	-4.31	0.000%
32	4.29	-99.67	7.44	-4.29	99.67	-7.44	0.000%
33	0.02	-99.67	8.58	-0.02	99.67	-8.58	0.000%
34	-4.26	-99.67	7.42	4.26	99.67	-7.42	0.000%
35	-7.39	-99.67	4.27	7.39	99.67	-4.27	0.000%
36	-8.55	-99.67	-0.02	8.55	99.67	0.02	0.000%
37	-7.42	-99.67	-4.31	7.42	99.67	4.31	0.000%
38	-4.29	-99.67	-7.44	4.29	99.67	7.44	0.000%
39	-0.03	-50.59	-7.59	0.03	50.59	7.59	0.000%
40	3.68	-50.59	-6.44	-3.68	50.59	6.44	0.000%
41	6.40	-50.59	-3.70	-6.40	50.59	3.70	0.000%
42	7.41	-50.59	0.03	-7.41	50.59	-0.03	0.000%
43	6.43	-50.59	3.76	-6.43	50.59	-3.76	0.000%
44	3.73	-50.59	6.48	-3.73	50.59	-6.48	0.000%
45	0.03	-50.59	7.59	-0.03	50.59	-7.59	0.000%
46	-3.68	-50.59	6.44	3.68	50.59	-6.44	0.000%
47	-6.40	-50.59	3.70	6.40	50.59	-3.70	0.000%
48	-7.41	-50.59	-0.03	7.41	50.59	0.03	0.000%
49	-6.43	-50.59	-3.76	6.43	50.59	3.76	0.000%
50	-3.73	-50.59	-6.48	3.73	50.59	6.48	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	6	0.00000001	0.00009269
3	Yes	5	0.00000001	0.00074551
4	Yes	7	0.00000001	0.00007151
5	Yes	6	0.00000001	0.00040812
6	Yes	7	0.00000001	0.00006675
7	Yes	6	0.00000001	0.00038020
8	Yes	5	0.00000001	0.00027722
9	Yes	5	0.00000001	0.00009951
10	Yes	7	0.00000001	0.00006745
11	Yes	6	0.00000001	0.00038358

12	Yes	7	0.00000001	0.00007349
13	Yes	6	0.00000001	0.00041903
14	Yes	6	0.00000001	0.00013274
15	Yes	6	0.00000001	0.00004500
16	Yes	7	0.00000001	0.00006520
17	Yes	6	0.00000001	0.00037107
18	Yes	7	0.00000001	0.00006950
19	Yes	6	0.00000001	0.00039668
20	Yes	5	0.00000001	0.00066000
21	Yes	5	0.00000001	0.00029532
22	Yes	7	0.00000001	0.00007193
23	Yes	6	0.00000001	0.00041020
24	Yes	7	0.00000001	0.00006636
25	Yes	6	0.00000001	0.00037704
26	Yes	4	0.00000001	0.00029002
27	Yes	6	0.00000001	0.00098991
28	Yes	7	0.00000001	0.00015137
29	Yes	7	0.00000001	0.00015003
30	Yes	6	0.00000001	0.00098839
31	Yes	7	0.00000001	0.00015118
32	Yes	7	0.00000001	0.00015262
33	Yes	6	0.00000001	0.00098658
34	Yes	7	0.00000001	0.00014759
35	Yes	7	0.00000001	0.00014820
36	Yes	6	0.00000001	0.00097478
37	Yes	7	0.00000001	0.00015058
38	Yes	7	0.00000001	0.00014986
39	Yes	5	0.00000001	0.00009241
40	Yes	5	0.00000001	0.00026252
41	Yes	5	0.00000001	0.00021693
42	Yes	4	0.00000001	0.00091015
43	Yes	5	0.00000001	0.00022039
44	Yes	5	0.00000001	0.00027715
45	Yes	5	0.00000001	0.00009729
46	Yes	5	0.00000001	0.00020663
47	Yes	5	0.00000001	0.00023940
48	Yes	4	0.00000001	0.00093023
49	Yes	5	0.00000001	0.00025894
50	Yes	5	0.00000001	0.00021485

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147 - 142	21.042	44	1.2788	0.0053
L2	142 - 137	19.704	44	1.2753	0.0051
L3	137 - 132	18.374	44	1.2654	0.0049
L4	132 - 127	17.057	44	1.2478	0.0048
L5	127 - 122	15.764	44	1.2205	0.0046
L6	122 - 117	14.504	39	1.1853	0.0045
L7	117 - 112	13.287	39	1.1433	0.0044
L8	112 - 105	12.118	39	1.0942	0.0040
L9	108.75 - 103.75	11.386	39	1.0574	0.0036
L10	103.75 - 98.75	10.297	39	1.0217	0.0033
L11	98.75 - 93.75	9.260	39	0.9596	0.0028
L12	93.75 - 89.667	8.292	39	0.8905	0.0024
L13	89.667 - 89.417	7.556	39	0.8296	0.0021
L14	89.417 - 88.083	7.513	39	0.8258	0.0020
L15	88.083 - 87.833	7.285	39	0.8057	0.0020

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L16	87.833 - 85.833	7.243	39	0.8033	0.0019
L17	85.833 - 85.583	6.911	39	0.7836	0.0018
L18	85.583 - 84.5	6.870	39	0.7811	0.0018
L19	84.5 - 84.25	6.694	39	0.7703	0.0018
L20	84.25 - 79.25	6.654	39	0.7676	0.0018
L21	79.25 - 73.75	5.879	39	0.7107	0.0015
L22	78 - 72.75	5.695	39	0.6961	0.0015
L23	72.75 - 67.75	4.946	39	0.6618	0.0014
L24	67.75 - 63.08	4.281	39	0.6079	0.0012
L25	63.08 - 62.83	3.712	39	0.5555	0.0010
L26	62.83 - 57.83	3.683	39	0.5533	0.0010
L27	57.83 - 52.83	3.128	39	0.5080	0.0009
L28	52.83 - 47.83	2.620	39	0.4613	0.0008
L29	47.83 - 42.75	2.162	39	0.4144	0.0007
L30	47.5 - 42.5	2.133	39	0.4112	0.0007
L31	42.5 - 37.5	1.715	39	0.3865	0.0006
L32	37.5 - 32.75	1.335	39	0.3396	0.0005
L33	32.75 - 32.5	1.019	39	0.2951	0.0004
L34	32.5 - 27.5	1.003	39	0.2929	0.0004
L35	27.5 - 22.5	0.720	39	0.2483	0.0004
L36	22.5 - 17.5	0.484	39	0.2033	0.0003
L37	17.5 - 12.5	0.294	39	0.1585	0.0002
L38	12.5 - 8.083	0.152	39	0.1134	0.0002
L39	8.083 - 7.833	0.066	39	0.0733	0.0001
L40	7.833 - 6.417	0.062	39	0.0712	0.0001
L41	6.417 - 6.167	0.042	39	0.0592	0.0001
L42	6.167 - 4.333	0.039	39	0.0571	0.0001
L43	4.333 - 4.083	0.020	39	0.0415	0.0001
L44	4.083 - 3.233	0.018	39	0.0395	0.0001
L45	3.233 - 2.883	0.012	39	0.0330	0.0000
L46	2.883 - 2.667	0.010	39	0.0301	0.0000
L47	2.667 - 2.083	0.008	39	0.0283	0.0000
L48	2.083 - 1.833	0.005	39	0.0234	0.0000
L49	1.833 - 0	0.004	39	0.0205	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.00	APXVSPP18-C-A20 w/ Mount Pipe	44	21.042	1.2788	0.0053	42457
136.00	AIR6449 B41_T-MOBILE w/ Mount Pipe	44	18.109	1.2626	0.0049	19066
118.00	RRFDC-3315-PF-48	39	13.527	1.1520	0.0044	6591
115.00	(2) LPA-80080/4CF w/ Mount Pipe	39	12.813	1.1252	0.0043	5799
106.00	7770.00 w/ Mount Pipe	39	10.782	1.0378	0.0034	6467
76.00	OG-860/1920/GPS-A	39	5.405	0.6804	0.0014	7337

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	147 - 142	105.469	12	6.4263	0.0269
L2	142 - 137	98.775	2	6.4087	0.0259
L3	137 - 132	92.118	2	6.3591	0.0250
L4	132 - 127	85.530	2	6.2702	0.0242
L5	127 - 122	79.061	2	6.1328	0.0234
L6	122 - 117	72.755	2	5.9550	0.0227
L7	117 - 112	66.651	2	5.7434	0.0221
L8	112 - 105	60.783	2	5.4967	0.0200
L9	108.75 - 103.75	57.116	2	5.3116	0.0182
L10	103.75 - 98.75	51.650	2	5.1320	0.0166
L11	98.75 - 93.75	46.449	2	4.8201	0.0142
L12	93.75 - 89.667	41.592	2	4.4723	0.0120
L13	89.667 - 89.417	37.904	2	4.1663	0.0103
L14	89.417 - 88.083	37.686	2	4.1474	0.0102
L15	88.083 - 87.833	36.543	2	4.0464	0.0097
L16	87.833 - 85.833	36.332	2	4.0342	0.0097
L17	85.833 - 85.583	34.665	2	3.9350	0.0092
L18	85.583 - 84.5	34.460	2	3.9225	0.0091
L19	84.5 - 84.25	33.577	2	3.8682	0.0089
L20	84.25 - 79.25	33.375	2	3.8546	0.0088
L21	79.25 - 73.75	29.491	2	3.5674	0.0076
L22	78 - 72.75	28.567	2	3.4940	0.0074
L23	72.75 - 67.75	24.810	2	3.3219	0.0068
L24	67.75 - 63.08	21.474	2	3.0512	0.0059
L25	63.08 - 62.83	18.620	2	2.7879	0.0051
L26	62.83 - 57.83	18.474	2	2.7768	0.0051
L27	57.83 - 52.83	15.686	2	2.5489	0.0045
L28	52.83 - 47.83	13.140	2	2.3147	0.0039
L29	47.83 - 42.75	10.840	2	2.0788	0.0034
L30	47.5 - 42.5	10.697	2	2.0629	0.0033
L31	42.5 - 37.5	8.599	2	1.9391	0.0031
L32	37.5 - 32.75	6.692	2	1.7034	0.0026
L33	32.75 - 32.5	5.109	2	1.4799	0.0022
L34	32.5 - 27.5	5.031	2	1.4689	0.0022
L35	27.5 - 22.5	3.610	2	1.2452	0.0018
L36	22.5 - 17.5	2.425	2	1.0193	0.0014
L37	17.5 - 12.5	1.475	2	0.7948	0.0011
L38	12.5 - 8.083	0.761	2	0.5686	0.0008
L39	8.083 - 7.833	0.329	2	0.3672	0.0005
L40	7.833 - 6.417	0.310	2	0.3567	0.0005
L41	6.417 - 6.167	0.213	2	0.2969	0.0004
L42	6.167 - 4.333	0.198	2	0.2861	0.0004
L43	4.333 - 4.083	0.103	2	0.2079	0.0003
L44	4.083 - 3.233	0.092	2	0.1980	0.0003
L45	3.233 - 2.883	0.060	2	0.1656	0.0002
L46	2.883 - 2.667	0.048	2	0.1508	0.0002
L47	2.667 - 2.083	0.041	2	0.1417	0.0002
L48	2.083 - 1.833	0.026	2	0.1172	0.0001
L49	1.833 - 0	0.020	2	0.1030	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
147.00	APXVSPP18-C-A20 w/ Mount Pipe	12	105.469	6.4263	0.0269	8667
136.00	AIR6449 B41_T-MOBILE w/	2	90.794	6.3447	0.0248	3891

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
	Mount Pipe					
118.00	RRFDC-3315-PF-48	2	67.854	5.7876	0.0223	1339
115.00	(2) LPA-80080/4CF w/ Mount Pipe	2	64.272	5.6525	0.0214	1178
106.00	7770.00 w/ Mount Pipe	2	54.082	5.2128	0.0173	1311
76.00	OG-860/1920/GPS-A	2	27.112	3.4154	0.0071	1472

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	147 - 142 (1)	TP22.8501x22x0.25	5.00	0.00	0.0	17.9332	-4.36	968.39	0.005
L2	142 - 137 (2)	TP23.7002x22.8501x0.25	5.00	0.00	0.0	18.6078	-4.72	1004.82	0.005
L3	137 - 132 (3)	TP24.5504x23.7002x0.25	5.00	0.00	0.0	19.2823	-9.13	1041.25	0.009
L4	132 - 127 (4)	TP25.4005x24.5504x0.25	5.00	0.00	0.0	19.9569	-9.58	1077.67	0.009
L5	127 - 122 (5)	TP26.2506x25.4005x0.25	5.00	0.00	0.0	20.6315	-10.05	1114.10	0.009
L6	122 - 117 (6)	TP27.1007x26.2506x0.25	5.00	0.00	0.0	21.3060	-10.56	1150.53	0.009
L7	117 - 112 (7)	TP27.9508x27.1007x0.25	5.00	0.00	0.0	21.9806	-14.43	1186.95	0.012
L8	112 - 105 (8)	TP29.141x27.9508x0.25	7.00	0.00	0.0	22.4191	-14.84	1210.63	0.012
L9	105 - 103.75 (9)	TP28.8536x28.0034x0.3125	5.00	0.00	0.0	28.3092	-20.90	1528.70	0.014
L10	103.75 - 98.75 (10)	TP29.7039x28.8536x0.3125	5.00	0.00	0.0	29.1526	-21.78	1574.24	0.014
L11	98.75 - 93.75 (11)	TP30.5541x29.7039x0.3125	5.00	0.00	0.0	29.9959	-22.69	1619.78	0.014
L12	93.75 - 89.667 (12)	TP31.2484x30.5541x0.3125	4.08	0.00	0.0	30.6845	-23.47	1656.96	0.014
L13	89.667 - 89.417 (13)	TP31.2909x31.2484x0.3188	0.25	0.00	0.0	31.3349	-23.54	1692.09	0.014
L14	89.417 - 88.083 (14)	TP31.5177x31.2909x0.3188	1.33	0.00	0.0	31.5644	-23.81	1704.48	0.014
L15	88.083 - 87.833 (15)	TP31.5603x31.5177x0.5125	0.25	0.00	0.0	50.5046	-23.89	2727.25	0.009
L16	87.833 - 85.833 (16)	TP31.9003x31.5603x0.5125	2.00	0.00	0.0	51.0578	-24.39	2757.12	0.009
L17	85.833 - 85.583 (17)	TP31.9429x31.9003x0.5125	0.25	0.00	0.0	51.1270	-24.46	2760.86	0.009
L18	85.583 - 84.5 (18)	TP32.127x31.9429x0.5125	1.08	0.00	0.0	51.4265	-24.75	2777.03	0.009
L19	84.5 - 84.25 (19)	TP32.1695x32.127x0.475	0.25	0.00	0.0	47.7842	-24.83	2580.35	0.010
L20	84.25 - 79.25 (20)	TP33.0198x32.1695x0.4625	5.00	0.00	0.0	47.7932	-26.11	2580.83	0.010
L21	79.25 - 73.75 (21)	TP33.955x33.0198x0.4625	5.50	0.00	0.0	48.1053	-26.43	2597.68	0.010
L22	73.75 - 72.75 (22)	TP33.5x32.6073x0.5625	5.25	0.00	0.0	58.8058	-28.98	3175.51	0.009
L23	72.75 - 67.75 (23)	TP34.3502x33.5x0.5625	5.00	0.00	0.0	60.3236	-30.44	3257.48	0.009
L24	67.75 - 63.08 (24)	TP35.1442x34.3502x0.55	4.67	0.00	0.0	60.3911	-31.83	3261.12	0.010
L25	63.08 - 62.83	TP35.1867x35.1442x0.7125	0.25	0.00	0.0	77.9626	-31.93	4209.98	0.008

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
	(25)								
L26	62.83 - 57.83	TP36.0369x35.1867x0.7	5.00	0.00	0.0	78.5115	-33.77	4239.62	0.008
	(26)								
L27	57.83 - 52.83	TP36.8871x36.0369x0.6875	5.00	0.00	0.0	78.9920	-35.64	4265.57	0.008
	(27)								
L28	52.83 - 47.83	TP37.7372x36.8871x0.6875	5.00	0.00	0.0	80.8471	-37.55	4365.75	0.009
	(28)								
L29	47.83 - 42.75	TP38.601x37.7372x0.675	5.08	0.00	0.0	79.5242	-37.68	4294.31	0.009
	(29)								
L30	42.75 - 42.5	TP37.8935x37.0433x0.75	5.00	0.00	0.0	88.4201	-41.23	4774.69	0.009
	(30)								
L31	42.5 - 37.5 (31)	TP38.7437x37.8935x0.7375	5.00	0.00	0.0	88.9658	-43.30	4804.16	0.009
L32	37.5 - 32.75	TP39.5514x38.7437x0.7375	4.75	0.00	0.0	90.8564	-45.30	4906.25	0.009
	(32)								
L33	32.75 - 32.5	TP39.5939x39.5514x0.7875	0.25	0.00	0.0	96.9975	-45.43	5237.86	0.009
	(33)								
L34	32.5 - 27.5 (34)	TP40.444x39.5939x0.775	5.00	0.00	0.0	97.5799	-47.68	5269.31	0.009
L35	27.5 - 22.5 (35)	TP41.2942x40.444x0.7625	5.00	0.00	0.0	98.0938	-49.98	5297.07	0.009
L36	22.5 - 17.5 (36)	TP42.1444x41.2942x0.7625	5.00	0.00	0.0	100.151 0	-52.30	5408.18	0.010
L37	17.5 - 12.5 (37)	TP42.9946x42.1444x0.75	5.00	0.00	0.0	100.563 0	-54.65	5430.41	0.010
L38	12.5 - 8.083	TP43.7456x42.9946x0.7375	4.42	0.00	0.0	100.674 0	-56.75	5436.42	0.010
	(38)								
L39	8.083 - 7.833	TP43.7881x43.7456x0.8	0.25	0.00	0.0	109.155 0	-56.89	5894.39	0.010
	(39)								
L40	7.833 - 6.417	TP44.0289x43.7881x0.7875	1.42	0.00	0.0	108.083 0	-57.62	5836.48	0.010
	(40)								
L41	6.417 - 6.167	TP44.0714x44.0289x0.775	0.25	0.00	0.0	106.503 0	-57.76	5751.14	0.010
	(41)								
L42	6.167 - 4.333	TP44.3832x44.0714x0.775	1.83	0.00	0.0	107.270 0	-58.66	5792.57	0.010
	(42)								
L43	4.333 - 4.083	TP44.4257x44.3832x0.8375	0.25	0.00	0.0	115.867 0	-58.83	6256.84	0.009
	(43)								
L44	4.083 - 3.233	TP44.5703x44.4257x0.875	0.85	0.00	0.0	121.353 0	-59.26	6553.05	0.009
	(44)								
L45	3.233 - 2.883	TP44.6298x44.5703x0.7875	0.35	0.00	0.0	109.585 0	-59.44	5917.58	0.010
	(45)								
L46	2.883 - 2.667	TP44.6665x44.6298x0.7875	0.22	0.00	0.0	109.677 0	-59.55	5922.54	0.010
	(46)								
L47	2.667 - 2.083	TP44.7658x44.6665x0.7875	0.58	0.00	0.0	109.925 0	-59.84	5935.95	0.010
	(47)								
L48	2.083 - 1.833	TP44.8083x44.7658x0.575	0.25	0.00	0.0	80.7280	-59.94	4359.31	0.014
	(48)								
L49	1.833 - 0 (49)	TP45.12x44.8083x0.575	1.83	0.00	0.0	81.2969	-60.67	4390.03	0.014

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	147 - 142 (1)	TP22.8501x22x0.25	28.01	569.75	0.049	0.00	569.75	0.000
L2	142 - 137 (2)	TP23.7002x22.8501x0.25	58.26	613.66	0.095	0.00	613.66	0.000
L3	137 - 132 (3)	TP24.5504x23.7002x0.25	115.93	659.20	0.176	0.00	659.20	0.000
L4	132 - 127 (4)	TP25.4005x24.5504x0.25	177.99	703.27	0.253	0.00	703.27	0.000
L5	127 - 122 (5)	TP26.2506x25.4005x0.25	242.39	745.67	0.325	0.00	745.67	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 $\frac{M_{uy}}{\phi M_{ny}}$
L6	122 - 117 (6)	TP27.1007x26.2506x0.25	309.50	788.87	0.392	0.00	788.87	0.000
L7	117 - 112 (7)	TP27.9508x27.1007x0.25	405.09	832.83	0.486	0.00	832.83	0.000
L8	112 - 105 (8)	TP29.141x27.9508x0.25	474.29	861.78	0.550	0.00	861.78	0.000
L9	105 - 103.75 (9)	TP28.8536x28.0034x0.3125	597.30	1135.95	0.526	0.00	1135.95	0.000
L10	103.75 - 98.75 (10)	TP29.7039x28.8536x0.3125	740.31	1205.02	0.614	0.00	1205.02	0.000
L11	98.75 - 93.75 (11)	TP30.5541x29.7039x0.3125	885.48	1276.12	0.694	0.00	1276.12	0.000
L12	93.75 - 89.667 (12)	TP31.2484x30.5541x0.3125	1005.58	1335.00	0.753	0.00	1335.00	0.000
L13	89.667 - 89.417 (13)	TP31.2909x31.2484x0.3188	1012.98	1365.35	0.742	0.00	1365.35	0.000
L14	89.417 - 88.083 (14)	TP31.5177x31.2909x0.3188	1052.55	1385.53	0.760	0.00	1385.53	0.000
L15	88.083 - 87.833 (15)	TP31.5603x31.5177x0.5125	1059.98	2192.51	0.483	0.00	2192.51	0.000
L16	87.833 - 85.833 (16)	TP31.9003x31.5603x0.5125	1119.67	2241.19	0.500	0.00	2241.19	0.000
L17	85.833 - 85.583 (17)	TP31.9429x31.9003x0.5125	1127.15	2247.32	0.502	0.00	2247.32	0.000
L18	85.583 - 84.5 (18)	TP32.127x31.9429x0.5125	1159.66	2273.94	0.510	0.00	2273.94	0.000
L19	84.5 - 84.25 (19)	TP32.1695x32.127x0.475	1167.18	2120.79	0.550	0.00	2120.79	0.000
L20	84.25 - 79.25 (20)	TP33.0198x32.1695x0.4625	1318.83	2180.61	0.605	0.00	2180.61	0.000
L21	79.25 - 73.75 (21)	TP33.955x33.0198x0.4625	1357.09	2209.38	0.614	0.00	2209.38	0.000
L22	73.75 - 72.75 (22)	TP33.5x32.6073x0.5625	1520.39	2706.73	0.562	0.00	2706.73	0.000
L23	72.75 - 67.75 (23)	TP34.3502x33.5x0.5625	1678.82	2849.47	0.589	0.00	2849.47	0.000
L24	67.75 - 63.08 (24)	TP35.1442x34.3502x0.55	1828.83	2922.92	0.626	0.00	2922.92	0.000
L25	63.08 - 62.83 (25)	TP35.1867x35.1442x0.7125	1836.91	3742.71	0.491	0.00	3742.71	0.000
L26	62.83 - 57.83 (26)	TP36.0369x35.1867x0.7	1999.89	3866.63	0.517	0.00	3866.63	0.000
L27	57.83 - 52.83 (27)	TP36.8871x36.0369x0.6875	2165.25	3988.46	0.543	0.00	3988.46	0.000
L28	52.83 - 47.83 (28)	TP37.7372x36.8871x0.6875	2332.92	4179.79	0.558	0.00	4179.79	0.000
L29	47.83 - 42.75 (29)	TP38.601x37.7372x0.675	2344.07	4120.51	0.569	0.00	4120.51	0.000
L30	42.75 - 42.5 (30)	TP37.8935x37.0433x0.75	2514.47	4575.54	0.550	0.00	4575.54	0.000
L31	42.5 - 37.5 (31)	TP38.7437x37.8935x0.7375	2688.01	4714.34	0.570	0.00	4714.34	0.000
L32	37.5 - 32.75 (32)	TP39.5514x38.7437x0.7375	2855.68	4918.78	0.581	0.00	4918.78	0.000
L33	32.75 - 32.5 (33)	TP39.5939x39.5514x0.7875	2864.56	5243.58	0.546	0.00	5243.58	0.000
L34	32.5 - 27.5 (34)	TP40.444x39.5939x0.775	3043.25	5396.34	0.564	0.00	5396.34	0.000
L35	27.5 - 22.5 (35)	TP41.2942x40.444x0.7625	3223.97	5546.68	0.581	0.00	5546.68	0.000
L36	22.5 - 17.5 (36)	TP42.1444x41.2942x0.7625	3406.55	5783.99	0.589	0.00	5783.99	0.000
L37	17.5 - 12.5 (37)	TP42.9946x42.1444x0.75	3590.81	5932.77	0.605	0.00	5932.77	0.000
L38	12.5 - 8.083 (38)	TP43.7456x42.9946x0.7375	3754.93	6050.28	0.621	0.00	6050.28	0.000
L39	8.083 - 7.833 (39)	TP43.7881x43.7456x0.8	3764.25	6547.51	0.575	0.00	6547.51	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 $\frac{M_{uy}}{\phi M_{ny}}$
L40	7.833 - 6.417 (40)	TP44.0289x43.7881x0.7875	3817.17	6523.92	0.585	0.00	6523.92	0.000
L41	6.417 - 6.167 (41)	TP44.0714x44.0289x0.775	3826.53	6438.68	0.594	0.00	6438.68	0.000
L42	6.167 - 4.333 (42)	TP44.3832x44.0714x0.775	3895.32	6532.58	0.596	0.00	6532.58	0.000
L43	4.333 - 4.083 (43)	TP44.4257x44.3832x0.8375	3904.72	7042.96	0.554	0.00	7042.96	0.000
L44	4.083 - 3.233 (44)	TP44.5703x44.4257x0.875	3936.70	7388.62	0.533	0.00	7388.62	0.000
L45	3.233 - 2.883 (45)	TP44.6298x44.5703x0.7875	3949.88	6708.14	0.589	0.00	6708.14	0.000
L46	2.883 - 2.667 (46)	TP44.6665x44.6298x0.7875	3958.02	6719.48	0.589	0.00	6719.48	0.000
L47	2.667 - 2.083 (47)	TP44.7658x44.6665x0.7875	3980.03	6750.20	0.590	0.00	6750.20	0.000
L48	2.083 - 1.833 (48)	TP44.8083x44.7658x0.575	3989.47	5010.20	0.796	0.00	5010.20	0.000
L49	1.833 - 0 (49)	TP45.12x44.8083x0.575	4058.71	5081.51	0.799	0.00	5081.51	0.000

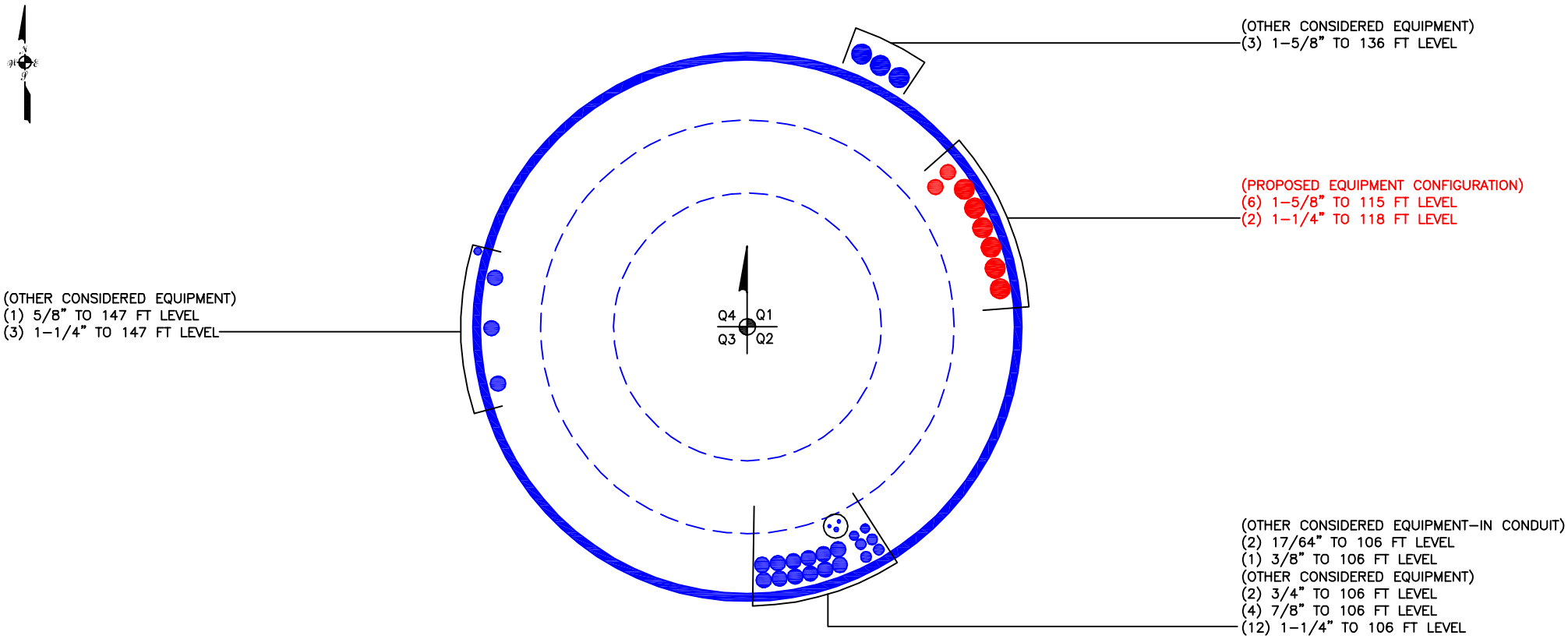
Pole Shear Design Data

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	147 - 142 (1)	TP22.8501x22x0.25	5.82	290.52	0.020	0.67	574.99	0.001
L2	142 - 137 (2)	TP23.7002x22.8501x0.25	6.28	301.45	0.021	0.67	619.07	0.001
L3	137 - 132 (3)	TP24.5504x23.7002x0.25	12.18	312.37	0.039	0.67	664.76	0.001
L4	132 - 127 (4)	TP25.4005x24.5504x0.25	12.65	323.30	0.039	0.67	712.09	0.001
L5	127 - 122 (5)	TP26.2506x25.4005x0.25	13.12	334.23	0.039	0.67	761.04	0.001
L6	122 - 117 (6)	TP27.1007x26.2506x0.25	13.94	345.16	0.040	0.93	811.62	0.001
L7	117 - 112 (7)	TP27.9508x27.1007x0.25	21.15	356.09	0.059	2.95	863.83	0.003
L8	112 - 105 (8)	TP29.141x27.9508x0.25	21.45	363.19	0.059	2.95	898.63	0.003
L9	105 - 103.75 (9)	TP28.8536x28.0034x0.3125	28.40	458.61	0.062	3.65	1146.29	0.003
L10	103.75 - 98.75 (10)	TP29.7039x28.8536x0.3125	28.83	472.27	0.061	3.65	1215.60	0.003
L11	98.75 - 93.75 (11)	TP30.5541x29.7039x0.3125	29.26	485.93	0.060	3.64	1286.95	0.003
L12	93.75 - 89.667 (12)	TP31.2484x30.5541x0.3125	29.60	497.09	0.060	3.64	1346.72	0.003
L13	89.667 - 89.417 (13)	TP31.2909x31.2484x0.3188	29.61	507.63	0.058	3.64	1376.88	0.003
L14	89.417 - 88.083 (14)	TP31.5177x31.2909x0.3188	29.74	511.34	0.058	3.64	1397.12	0.003
L15	88.083 - 87.833 (15)	TP31.5603x31.5177x0.5125	29.75	818.17	0.036	3.64	2224.63	0.002
L16	87.833 - 85.833 (16)	TP31.9003x31.5603x0.5125	29.95	827.14	0.036	3.64	2273.63	0.002
L17	85.833 - 85.583 (17)	TP31.9429x31.9003x0.5125	29.97	828.26	0.036	3.64	2279.78	0.002
L18	85.583 - 84.5 (18)	TP32.127x31.9429x0.5125	30.08	833.11	0.036	3.64	2306.58	0.002
L19	84.5 - 84.25 (19)	TP32.1695x32.127x0.475	30.10	774.11	0.039	3.64	2148.64	0.002
L20	84.25 - 79.25	TP33.0198x32.1695x0.4625	30.58	774.25	0.039	3.64	2207.54	0.002

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 $\frac{T_u}{\phi T_n}$
	(20)							
L21	79.25 - 73.75	TP33.955x33.0198x0.4625	30.69	779.30	0.039	3.64	2236.46	0.002
	(21)							
L22	73.75 - 72.75	TP33.5x32.6073x0.5625	31.47	952.65	0.033	3.65	2747.93	0.001
	(22)							
L23	72.75 - 67.75	TP34.3502x33.5x0.5625	31.93	977.24	0.033	3.65	2891.62	0.001
	(23)							
L24	67.75 - 63.08	TP35.1442x34.3502x0.55	32.35	978.34	0.033	3.65	2963.96	0.001
	(24)							
L25	63.08 - 62.83	TP35.1867x35.1442x0.7125	32.36	1262.99	0.026	3.65	3813.07	0.001
	(25)							
L26	62.83 - 57.83	TP36.0369x35.1867x0.7	32.85	1271.89	0.026	3.65	3936.02	0.001
	(26)							
L27	57.83 - 52.83	TP36.8871x36.0369x0.6875	33.32	1279.67	0.026	3.65	4056.78	0.001
	(27)							
L28	52.83 - 47.83	TP37.7372x36.8871x0.6875	33.78	1309.72	0.026	3.65	4249.57	0.001
	(28)							
L29	47.83 - 42.75	TP38.601x37.7372x0.675	33.80	1288.29	0.026	3.65	4187.77	0.001
	(29)							
L30	42.75 - 42.5	TP37.8935x37.0433x0.75	34.37	1432.41	0.024	3.65	4659.39	0.001
	(30)							
L31	42.5 - 37.5 (31)	TP38.7437x37.8935x0.7375	35.10	1441.25	0.024	3.91	4797.03	0.001
L32	37.5 - 32.75	TP39.5514x38.7437x0.7375	35.52	1471.87	0.024	3.91	5003.08	0.001
	(32)							
L33	32.75 - 32.5	TP39.5939x39.5514x0.7875	35.52	1571.36	0.023	3.91	5340.21	0.001
	(33)							
L34	32.5 - 27.5 (34)	TP40.444x39.5939x0.775	35.96	1580.79	0.023	3.91	5491.70	0.001
L35	27.5 - 22.5 (35)	TP41.2942x40.444x0.7625	36.35	1589.12	0.023	3.91	5640.68	0.001
L36	22.5 - 17.5 (36)	TP42.1444x41.2942x0.7625	36.71	1622.45	0.023	3.90	5879.80	0.001
L37	17.5 - 12.5 (37)	TP42.9946x42.1444x0.75	37.02	1629.12	0.023	3.90	6027.05	0.001
L38	12.5 - 8.083	TP43.7456x42.9946x0.7375	37.32	1630.93	0.023	3.90	6142.77	0.001
	(38)							
L39	8.083 - 7.833	TP43.7881x43.7456x0.8	37.32	1768.32	0.021	3.90	6657.16	0.001
	(39)							
L40	7.833 - 6.417	TP44.0289x43.7881x0.7875	37.45	1750.94	0.021	3.90	6630.58	0.001
	(40)							
L41	6.417 - 6.167	TP44.0714x44.0289x0.775	37.44	1725.34	0.022	3.90	6541.95	0.001
	(41)							
L42	6.167 - 4.333	TP44.3832x44.0714x0.775	37.61	1737.77	0.022	3.90	6636.52	0.001
	(42)							
L43	4.333 - 4.083	TP44.4257x44.3832x0.8375	37.59	1877.05	0.020	3.90	7165.16	0.001
	(43)							
L44	4.083 - 3.233	TP44.5703x44.4257x0.875	37.66	1965.91	0.019	3.90	7522.79	0.001
	(44)							
L45	3.233 - 2.883	TP44.6298x44.5703x0.7875	37.67	1775.28	0.021	3.90	6816.15	0.001
	(45)							
L46	2.883 - 2.667	TP44.6665x44.6298x0.7875	37.68	1776.76	0.021	3.90	6827.57	0.001
	(46)							
L47	2.667 - 2.083	TP44.7658x44.6665x0.7875	37.72	1780.78	0.021	3.90	6858.51	0.001
	(47)							
L48	2.083 - 1.833	TP44.8083x44.7658x0.575	37.73	1307.79	0.029	3.90	5066.04	0.001
	(48)							
L49	1.833 - 0 (49)	TP45.12x44.8083x0.575	37.86	1317.01	0.029	3.90	5137.69	0.001

APPENDIX B

BASE LEVEL DRAWING

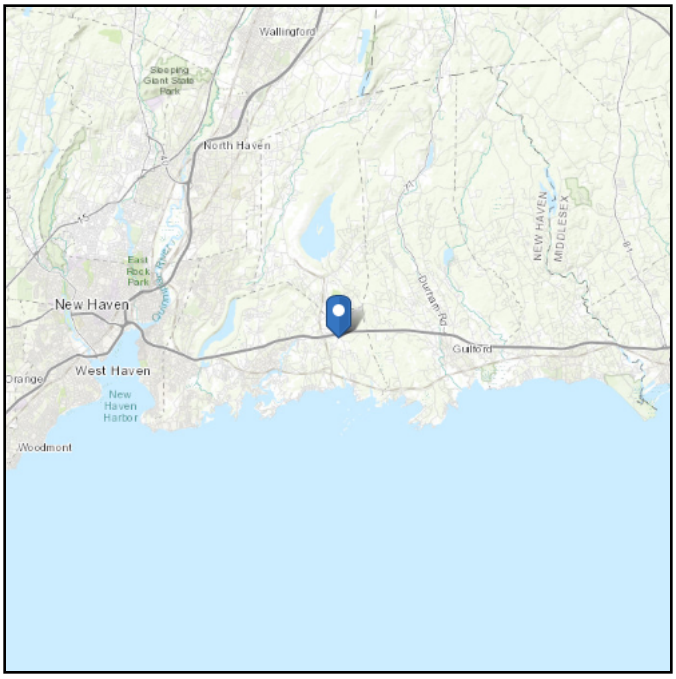

(OTHER CONSIDERED EQUIPMENT)
(3) 1–5/8" TO 136 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(6) 1–5/8" TO 115 FT LEVEL
(2) 1–1/4" TO 118 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 5/8" TO 147 FT LEVEL
(3) 1–1/4" TO 147 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT–IN CONDUIT)
(2) 17/64" TO 106 FT LEVEL
(1) 3/8" TO 106 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 3/4" TO 106 FT LEVEL
(4) 7/8" TO 106 FT LEVEL
(12) 1–1/4" TO 106 FT LEVEL

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 115.09 ft (NAVD 88)
Latitude: 41.293072
Longitude: -72.762889



Wind

Results:

Wind Speed:	127 Vmph 130mph as per Local Jurisdiction
10-year MRI	78 Vmph
25-year MRI	88 Vmph
50-year MRI	95 Vmph
100-year MRI	104 Vmph

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

Date Accessed: Mon Mar 15 2021

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

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

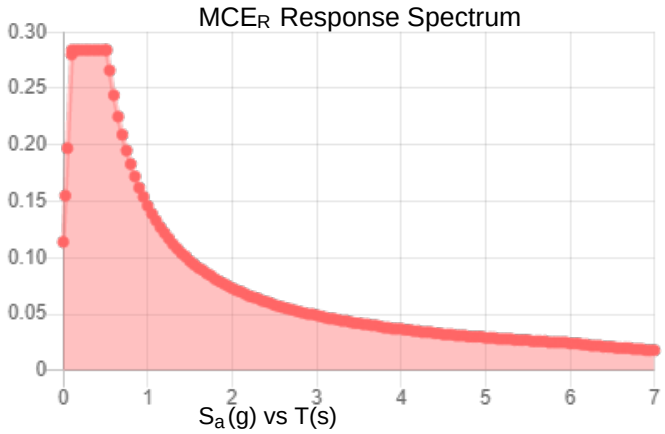
Seismic

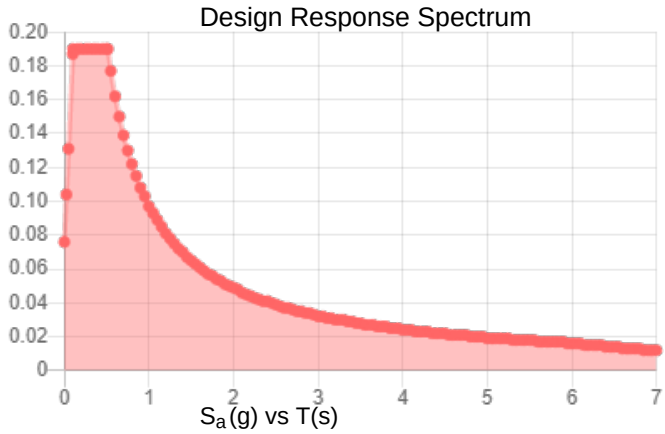
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.178	S_{DS} :	0.19
S_1 :	0.061	S_{D1} :	0.097
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.091
S_{MS} :	0.284	PGA_M :	0.146
S_{M1} :	0.146	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Mon Mar 15 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:	Mon Mar 15 2021

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

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

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

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APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876316

Work Order: 1957111

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Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	147	42	3.75	18	22	29.141	0.25	Auto	A607-60
2	108.75	35	4.25	18	28.00	33.955	0.3125	Auto	A607-60
3	78	35.25	4.75	18	32.61	38.601	0.375	Auto	A607-60
4	47.5	47.5	0	18	37.04	45.12	0.4375	Auto	A607-60

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	2.083	8.083	channel	MP3-05 (1.25in) Welde	2					x		x											
2	6.417	76.583	channel	MP3-05 (1.25in)	1						x												
3	2.083	88.083	channel	MP3-05 (1.25in) Welde	2												x						x
4	75.667	85.833	channel	MP3-05 (1.25in)	1							x											
5	84.5	89.667	channel	MP3-05 (1.25in)	1						x												
6	0	4.333	plate	TS 6.5"x1.25" (65 ksi)	2	c									2.5								
7	0	3.333	plate	6.5"x1.25" (65 ksi) - T	1														x				
8	3.25	32.75	plate	CCI-SFP-065125	2			x						x									
9	2.917	32.75	plate	WCFP-065125	1														x				
10	32.75	63.08	plate	CCI-AFP-060100	3			x						x					x				
11																							

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	5.33	2.09	5.65	0.79	Welded	n/a	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
2	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
3	5.33	2.09	5.65	0.79	Welded	n/a	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
4	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
5	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	4.994	1.2500	A572-65
6	1.25	5.75	7.1875	3.625	Welded	n/a	Welded	n/a	0.750	7.188	0.0000	A572-65
7	1.25	5.75	7.1875	4.125	Welded	n/a	Welded	n/a	0.750	7.188	0.0000	A572-65
8	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
9	6.5	1.25	8.125	0.625	Welded	n/a	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
10	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

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
TS 6.5"x1.25" (65 ksi)	Top	-	-	-	-	70	None	-	-	-	-	26	0.375	-
	Bottom	-	-	-	-	70	CJP Groove	11.5	0.625	45	0.625	-	-	-
TS 6.5"x1.25" (65 ksi) - TS2	Top	-	-	-	-	70	None	-	-	-	-	26	0.375	-
	Bottom	-	-	-	-	70	CJP Groove	11.5	0.625	45	0.625	-	-	-
MP3-05 (1.25in) Welded	Top	10	N	3	2	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	70	None	-	-	-	-	18	0.375	-
WCFP-065125	Top	11	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	70	None	-	-	-	-	29	0.375	-

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	147 - 142	5		18	22.000	22.850	0.25	A607-60	1.000
2	142 - 137	5		18	22.850	23.700	0.25	A607-60	1.000
3	137 - 132	5		18	23.700	24.550	0.25	A607-60	1.000
4	132 - 127	5		18	24.550	25.400	0.25	A607-60	1.000
5	127 - 122	5		18	25.400	26.251	0.25	A607-60	1.000
6	122 - 117	5		18	26.251	27.101	0.25	A607-60	1.000
7	117 - 112	5		18	27.101	27.951	0.25	A607-60	1.000
8	112 - 108.75	7	3.75	18	27.951	29.141	0.25	A607-60	1.000
9	108.75 - 103.75	5		18	28.003	28.854	0.3125	A607-60	1.000
10	103.75 - 98.75	5		18	28.854	29.704	0.3125	A607-60	1.000
11	98.75 - 93.75	5		18	29.704	30.554	0.3125	A607-60	1.000
12	93.75 - 89.667	4.083		18	30.554	31.248	0.3125	A607-60	1.000
13	89.667 - 89.417	0.25		18	31.248	31.291	0.31875	A607-60	1.161
14	89.417 - 88.083	1.334		18	31.291	31.518	0.31875	A607-60	1.160
15	88.083 - 87.833	0.25		18	31.518	31.560	0.5125	A607-60	0.949
16	87.833 - 85.833	2		18	31.560	31.900	0.5125	A607-60	0.946
17	85.833 - 85.583	0.25		18	31.900	31.943	0.5125	A607-60	1.056
18	85.583 - 84.5	1.083		18	31.943	32.127	0.5125	A607-60	1.053
19	84.5 - 84.25	0.25		18	32.127	32.170	0.475	A607-60	1.016
20	84.25 - 79.25	5		18	32.170	33.020	0.4625	A607-60	1.033
21	79.25 - 78	5.5	4.25	18	33.020	33.955	0.4625	A607-60	1.031
22	78 - 72.75	5.25		18	32.607	33.500	0.5625	A607-60	0.959
23	72.75 - 67.75	5		18	33.500	34.350	0.5625	A607-60	0.951
24	67.75 - 63.08	4.67		18	34.350	35.144	0.55	A607-60	0.966
25	63.08 - 62.83	0.25		18	35.144	35.187	0.7125	A607-60	0.980
26	62.83 - 57.83	5		18	35.187	36.037	0.7	A607-60	0.986
27	57.83 - 52.83	5		18	36.037	36.887	0.6875	A607-60	0.993
28	52.83 - 47.83	5		18	36.887	37.737	0.6875	A607-60	0.982
29	47.83 - 47.5	5.08	4.75	18	37.737	38.601	0.675	A607-60	1.000
30	47.5 - 42.5	5		18	37.043	37.894	0.75	A607-60	0.984
31	42.5 - 37.5	5		18	37.894	38.744	0.7375	A607-60	0.991
32	37.5 - 32.75	4.75		18	38.744	39.551	0.7375	A607-60	0.982
33	32.75 - 32.5	0.25		18	39.551	39.594	0.7875	A607-60	0.987
34	32.5 - 27.5	5		18	39.594	40.444	0.775	A607-60	0.993
35	27.5 - 22.5	5		18	40.444	41.294	0.7625	A607-60	1.000
36	22.5 - 17.5	5		18	41.294	42.144	0.7625	A607-60	0.991
37	17.5 - 12.5	5		18	42.144	42.995	0.75	A607-60	0.999
38	12.5 - 8.083	4.417		18	42.995	43.746	0.7375	A607-60	1.008
39	8.083 - 7.833	0.25		18	43.746	43.788	0.8	A607-60	1.034
40	7.833 - 6.417	1.416		18	43.788	44.029	0.7875	A607-60	1.047
41	6.417 - 6.167	0.25		18	44.029	44.071	0.775	A607-60	1.010
42	6.167 - 4.333	1.834		18	44.071	44.383	0.775	A607-60	1.007
43	4.333 - 4.083	0.25		18	44.383	44.426	0.8375	A607-60	1.057
44	4.083 - 3.233	0.85		18	44.426	44.570	0.875	A607-60	0.936
45	3.233 - 2.883	0.35		18	44.570	44.630	0.7875	A607-60	0.963
46	2.883 - 2.667	0.216		18	44.630	44.667	0.7875	A607-60	0.963
47	2.667 - 2.083	0.584		18	44.667	44.766	0.7875	A607-60	0.962
48	2.083 - 1.833	0.25		18	44.766	44.808	0.575	A607-60	1.030
49	1.833 - 0	1.833		18	44.808	45.120	0.575	A607-60	1.028

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	147 - 142	4.36	28.01	5.82
2	142 - 137	4.72	58.26	6.28
3	137 - 132	9.13	115.93	12.18
4	132 - 127	9.58	177.99	12.65
5	127 - 122	10.05	242.39	13.12
6	122 - 117	10.56	309.50	13.94
7	117 - 112	14.43	405.09	21.15
8	112 - 108.75	14.84	474.28	21.45
9	108.75 - 103.75	20.90	597.30	28.40
10	103.75 - 98.75	21.78	740.31	28.83
11	98.75 - 93.75	22.69	885.48	29.26
12	93.75 - 89.667	23.47	1005.59	29.60
13	89.667 - 89.417	23.54	1012.98	29.61
14	89.417 - 88.083	23.81	1052.55	29.74
15	88.083 - 87.833	23.89	1059.99	29.75
16	87.833 - 85.833	24.39	1119.67	29.95
17	85.833 - 85.583	24.46	1127.15	29.97
18	85.583 - 84.5	24.75	1159.66	30.08
19	84.5 - 84.25	24.83	1167.18	30.10
20	84.25 - 79.25	26.11	1318.82	30.58
21	79.25 - 78	26.43	1357.10	30.69
22	78 - 72.75	28.98	1520.39	31.47
23	72.75 - 67.75	30.44	1678.82	31.93
24	67.75 - 63.08	31.83	1828.83	32.35
25	63.08 - 62.83	31.93	1836.91	32.36
26	62.83 - 57.83	33.77	1999.89	32.85
27	57.83 - 52.83	35.64	2165.25	33.32
28	52.83 - 47.83	37.55	2332.92	33.78
29	47.83 - 47.5	37.68	2344.07	33.80
30	47.5 - 42.5	41.23	2514.48	34.37
31	42.5 - 37.5	43.30	2688.01	35.10
32	37.5 - 32.75	45.30	2855.68	35.52
33	32.75 - 32.5	45.43	2864.56	35.52
34	32.5 - 27.5	47.68	3043.25	35.96
35	27.5 - 22.5	49.98	3223.97	36.35
36	22.5 - 17.5	52.30	3406.55	36.71
37	17.5 - 12.5	54.65	3590.81	37.02
38	12.5 - 8.083	56.75	3754.92	37.32
39	8.083 - 7.833	56.89	3764.25	37.32
40	7.833 - 6.417	57.62	3817.17	37.45
41	6.417 - 6.167	57.76	3826.53	37.44
42	6.167 - 4.333	58.66	3895.32	37.61
43	4.333 - 4.083	58.83	3904.72	37.59
44	4.083 - 3.233	59.26	3936.70	37.66
45	3.233 - 2.883	59.44	3949.88	37.67
46	2.883 - 2.667	59.55	3958.02	37.68
47	2.667 - 2.083	59.84	3980.04	37.72
48	2.083 - 1.833	59.94	3989.47	37.73
49	1.833 - 0	60.67	4058.71	37.86

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
147 - 142	Pole	TP22.85x22x0.25	Pole	5.1%	Pass
142 - 137	Pole	TP23.7x22.85x0.25	Pole	9.5%	Pass
137 - 132	Pole	TP24.55x23.7x0.25	Pole	17.7%	Pass
132 - 127	Pole	TP25.4x24.55x0.25	Pole	25.1%	Pass
127 - 122	Pole	TP26.251x25.4x0.25	Pole	32.0%	Pass
122 - 117	Pole	TP27.101x26.251x0.25	Pole	38.4%	Pass
117 - 112	Pole	TP27.951x27.101x0.25	Pole	47.8%	Pass
112 - 108.75	Pole	TP29.141x27.951x0.25	Pole	53.9%	Pass
108.75 - 103.75	Pole	TP28.854x28.003x0.3125	Pole	51.7%	Pass
103.75 - 98.75	Pole	TP29.704x28.854x0.3125	Pole	60.2%	Pass
98.75 - 93.75	Pole	TP30.554x29.704x0.3125	Pole	67.7%	Pass
93.75 - 89.67	Pole	TP31.248x30.554x0.3125	Pole	73.4%	Pass
89.67 - 89.42	Pole + Reinf.	TP31.291x31.248x0.3188	Pole	74.3%	Pass
89.42 - 88.08	Pole + Reinf.	TP31.518x31.291x0.3188	Pole	76.2%	Pass
88.08 - 87.83	Pole + Reinf.	TP31.56x31.518x0.5125	Reinf. 5 Tension Rupture	64.3%	Pass
87.83 - 85.83	Pole + Reinf.	TP31.9x31.56x0.5125	Reinf. 5 Tension Rupture	66.7%	Pass
85.83 - 85.58	Pole + Reinf.	TP31.943x31.9x0.5125	Reinf. 3 Tension Rupture	67.5%	Pass
85.58 - 84.5	Pole + Reinf.	TP32.127x31.943x0.5125	Reinf. 3 Tension Rupture	68.8%	Pass
84.5 - 84.25	Pole + Reinf.	TP32.17x32.127x0.475	Reinf. 3 Tension Rupture	70.5%	Pass
84.25 - 79.25	Pole + Reinf.	TP33.02x32.17x0.4625	Reinf. 3 Tension Rupture	76.2%	Pass
79.25 - 78	Pole + Reinf.	TP33.955x33.02x0.4625	Reinf. 3 Tension Rupture	77.6%	Pass
78 - 72.75	Pole + Reinf.	TP33.5x32.607x0.5625	Reinf. 2 Tension Rupture	74.2%	Pass
72.75 - 67.75	Pole + Reinf.	TP34.35x33.5x0.5625	Reinf. 2 Tension Rupture	78.5%	Pass
67.75 - 63.08	Pole + Reinf.	TP35.144x34.35x0.55	Reinf. 2 Tension Rupture	82.2%	Pass
63.08 - 62.83	Pole + Reinf.	TP35.187x35.144x0.7125	Reinf. 10 Tension Rupture	67.4%	Pass
62.83 - 57.83	Pole + Reinf.	TP36.037x35.187x0.7	Reinf. 10 Tension Rupture	70.7%	Pass
57.83 - 52.83	Pole + Reinf.	TP36.887x36.037x0.6875	Reinf. 10 Tension Rupture	73.8%	Pass
52.83 - 47.83	Pole + Reinf.	TP37.737x36.887x0.6875	Reinf. 10 Tension Rupture	76.8%	Pass
47.83 - 47.5	Pole + Reinf.	TP38.601x37.737x0.675	Reinf. 10 Tension Rupture	77.0%	Pass
47.5 - 42.5	Pole + Reinf.	TP37.894x37.043x0.75	Reinf. 10 Tension Rupture	75.6%	Pass
42.5 - 37.5	Pole + Reinf.	TP38.744x37.894x0.7375	Reinf. 10 Tension Rupture	77.9%	Pass
37.5 - 32.75	Pole + Reinf.	TP39.551x38.744x0.7375	Reinf. 10 Tension Rupture	80.1%	Pass
32.75 - 32.5	Pole + Reinf.	TP39.594x39.551x0.7875	Reinf. 3 Tension Rupture	73.9%	Pass
32.5 - 27.5	Pole + Reinf.	TP40.444x39.594x0.775	Reinf. 3 Tension Rupture	75.8%	Pass
27.5 - 22.5	Pole + Reinf.	TP41.294x40.444x0.7625	Reinf. 8 Tension Rupture	77.7%	Pass
22.5 - 17.5	Pole + Reinf.	TP42.144x41.294x0.7625	Reinf. 8 Tension Rupture	79.5%	Pass
17.5 - 12.5	Pole + Reinf.	TP42.995x42.144x0.75	Reinf. 8 Tension Rupture	81.2%	Pass
12.5 - 8.08	Pole + Reinf.	TP43.746x42.995x0.7375	Reinf. 8 Tension Rupture	82.6%	Pass
8.08 - 7.83	Pole + Reinf.	TP43.788x43.746x0.8	Reinf. 3 Tension Rupture	80.5%	Pass
7.83 - 6.42	Pole + Reinf.	TP44.029x43.788x0.7875	Reinf. 3 Tension Rupture	80.9%	Pass
6.42 - 6.17	Pole + Reinf.	TP44.071x44.029x0.775	Reinf. 3 Tension Rupture	81.2%	Pass
6.17 - 4.33	Pole + Reinf.	TP44.383x44.071x0.775	Reinf. 3 Tension Rupture	81.8%	Pass
4.33 - 4.08	Pole + Reinf.	TP44.426x44.383x0.8375	Reinf. 9 Tension Rupture	79.1%	Pass
4.08 - 3.23	Pole + Reinf.	TP44.57x44.426x0.875	Reinf. 1 Tension Rupture	73.4%	Pass
3.23 - 2.88	Pole + Reinf.	TP44.63x44.57x0.7875	Reinf. 1 Tension Rupture	76.1%	Pass
2.88 - 2.67	Pole + Reinf.	TP44.667x44.63x0.7875	Reinf. 1 Tension Rupture	76.2%	Pass
2.67 - 2.08	Pole + Reinf.	TP44.766x44.667x0.7875	Reinf. 1 Tension Rupture	76.3%	Pass
2.08 - 1.83	Pole + Reinf.	TP44.808x44.766x0.575	Reinf. 7 Compression	95.7%	Pass
1.83 - 0	Pole + Reinf.	TP45.12x44.808x0.575	Reinf. 7 Compression	96.1%	Pass
				Summary	
			Pole	82.6%	Pass
			Reinforcement	96.1%	Pass
			Overall	96.1%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*										
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
147 - 142	1157	n/a	1157	17.93	n/a	17.93	5.1%										
142 - 137	1292	n/a	1292	18.61	n/a	18.61	9.5%										
137 - 132	1438	n/a	1438	19.28	n/a	19.28	17.7%										
132 - 127	1594	n/a	1594	19.96	n/a	19.96	25.1%										
127 - 122	1761	n/a	1761	20.63	n/a	20.63	32.0%										
122 - 117	1940	n/a	1940	21.31	n/a	21.31	38.4%										
117 - 112	2130	n/a	2130	21.98	n/a	21.98	47.8%										
112 - 108.75	2260	n/a	2260	22.42	n/a	22.42	53.9%										
108.75 - 103.75	2912	n/a	2912	28.31	n/a	28.31	51.7%										
103.75 - 98.75	3181	n/a	3181	29.15	n/a	29.15	60.2%										
98.75 - 93.75	3465	n/a	3465	29.99	n/a	29.99	67.7%										
93.75 - 89.67	3709	n/a	3709	30.68	n/a	30.68	73.4%										
89.67 - 89.42	3738	79	3816	30.73	5.65	36.38	74.3%					63.6%					
89.42 - 88.08	3820	80	3900	30.95	5.65	36.60	76.2%					65.3%					
88.08 - 87.83	3822	2338	6160	30.99	16.95	47.94	46.4%			64.3%		64.3%					
87.83 - 85.83	3948	2386	6334	31.33	16.95	48.28	48.2%			66.7%		66.7%					
85.83 - 85.58	3967	2438	6405	31.37	22.60	53.97	48.9%			67.5%	49.1%	51.4%					
85.58 - 84.5	4037	2464	6501	31.55	22.60	54.15	49.9%			68.8%	50.1%	52.4%					
84.5 - 84.25	4062	1973	6035	31.60	16.95	48.55	55.9%			70.5%	67.5%						
84.25 - 79.25	4396	2074	6469	32.44	16.95	49.39	60.7%			76.2%	73.0%						
79.25 - 78	4482	2099	6581	32.65	16.95	49.60	61.9%			77.6%	74.3%						
78 - 72.75	5464	2618	8082	39.43	16.95	56.38	53.5%		74.2%	74.2%							
72.75 - 67.75	5895	2746	8641	40.44	16.95	57.39	56.6%		78.5%	78.5%							
67.75 - 63.08	6318	2868	9187	41.38	16.95	58.33	59.3%		82.2%	82.2%							
63.08 - 62.83	6350	5315	11665	41.43	34.95	76.38	48.7%		63.3%	66.4%							67.4%
62.83 - 57.83	6826	5564	12390	42.45	34.95	77.40	51.1%		66.4%	69.6%							70.7%
57.83 - 52.83	7326	5818	13145	43.46	34.95	78.41	53.3%		69.4%	72.6%							73.8%
52.83 - 47.83	7850	6079	13928	44.47	34.95	79.42	55.6%		72.1%	75.4%							76.8%
47.83 - 47.5	7885	6096	13981	44.54	34.95	79.49	55.7%		72.3%	75.6%							77.0%
47.5 - 42.5	9225	6129	15354	52.01	34.95	86.96	54.3%		70.9%	73.9%							75.6%
42.5 - 37.5	9868	6396	16263	53.19	34.95	88.14	56.1%		73.2%	76.2%							77.9%
37.5 - 32.75	10505	6655	17159	54.31	34.95	89.26	57.6%		75.2%	78.2%							80.1%
32.75 - 32.5	10545	7805	18350	54.37	41.33	95.70	54.4%		70.2%	73.9%					73.8%	71.4%	
32.5 - 27.5	11246	8130	19376	55.55	41.33	96.88	55.9%		72.1%	75.8%					75.8%	73.4%	
27.5 - 22.5	11978	8461	20440	56.73	41.33	98.06	57.3%		73.9%	77.7%					77.7%	75.3%	
22.5 - 17.5	12741	8799	21541	57.91	41.33	99.24	58.6%		75.6%	79.4%					79.5%	77.0%	
17.5 - 12.5	13536	9144	22680	59.09	41.33	100.42	59.9%		77.2%	81.0%					81.2%	78.7%	
12.5 - 8.08	14265	9455	23719	60.14	41.33	101.46	60.9%		78.5%	82.4%					82.6%	80.1%	
8.08 - 7.83	14441	11059	25500	60.20	52.63	112.82	58.8%	63.3%	60.1%	80.5%					74.2%	74.5%	
7.83 - 6.42	14682	11177	25859	60.53	52.63	113.15	59.2%	63.6%	60.5%	80.9%					74.6%	74.9%	
6.42 - 6.17	14649	10631	25280	60.59	46.98	107.56	60.3%	71.7%		81.2%					77.8%	78.0%	
6.17 - 4.33	14964	10777	25742	61.02	46.98	108.00	60.8%	72.2%		81.8%					78.3%	78.5%	
4.33 - 4.08	15036	13011	28047	61.08	61.35	122.43	56.5%	67.0%		64.9%			56.8%		62.0%	79.1%	
4.08 - 3.23	15163	14093	29256	61.28	52.29	113.57	53.9%	73.4%		70.0%			69.1%	61.6%		63.7%	
3.23 - 2.88	15136	11723	26859	61.36	44.16	105.53	56.7%	76.1%		71.9%			68.9%	75.0%			
2.88 - 2.67	15174	11740	26914	61.42	44.16	105.58	56.7%	76.2%		71.9%			69.0%	75.0%			
2.67 - 2.08	15276	11787	27063	61.55	44.16	105.72	56.9%	76.3%		72.1%			69.1%	75.2%			
2.08 - 1.83	15487	4731	20218	61.61	21.56	83.17	82.0%						84.6%	95.7%			
1.83 - 0	15814	4787	20601	62.05	21.56	83.61	82.6%						85.1%	96.1%			

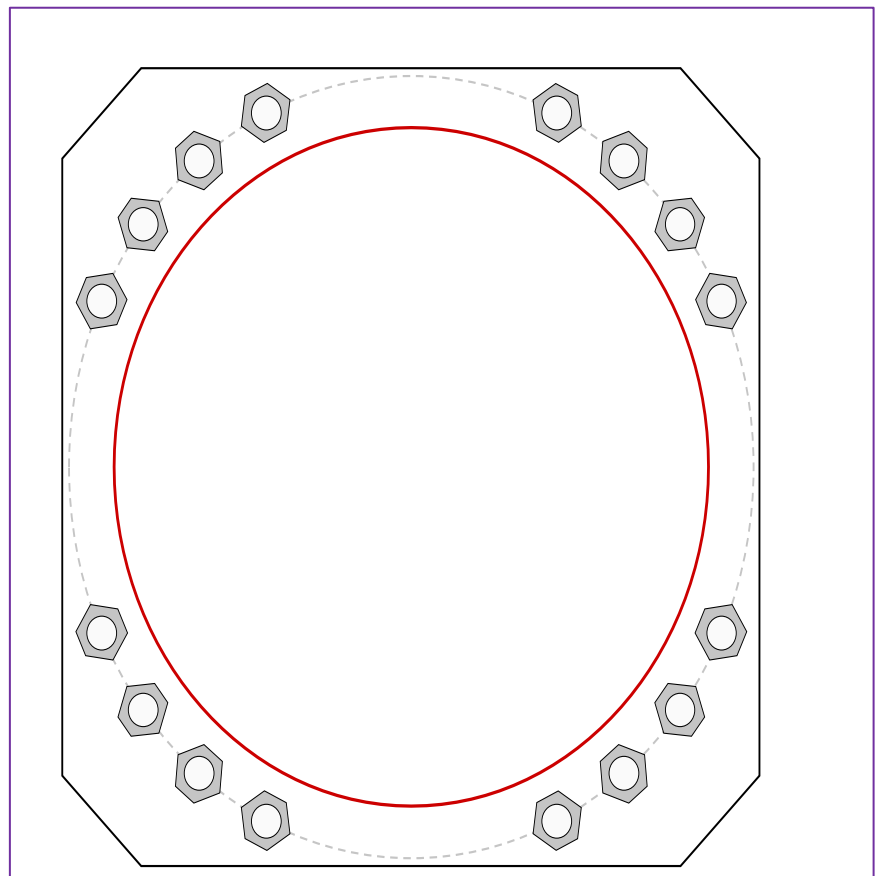
Note: Section capacity checked assuming all reinforcements are effective and using 5 degree increments.
Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

Site Info	
BU #	876316
Site Name	Secondino Property
Order #	552620 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
l_{ar} (in)	1.75

Applied Loads	
Moment (kip-ft)	4059.00
Axial Force (kips)	61.00
Shear Force (kips)	38.00



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 52" BC

Anchor Spacing: 6 in

Base Plate Data

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

Stiffener Data

N/A

Pole Data

45.12" x 0.4375" 18-sided pole (A572-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

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

Pu_t = 230.18	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.38	ϕVn = 149.1	**94.4%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	35.6	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**79.1%**	**Pass**

Drilled Pier Foundation

BU # :	876316
Site Name:	Secondino Property
Order Number:	552620 Rev. 0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	4059	
Axial Force (kips)	61	
Shear Force (kips)	38	

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

Pier Design Data		
Depth	22.5	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 22.5' 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)	5.85	-
Soil Safety Factor	2.26	-
Max Moment (kip-ft)	4252.14	-
Rating*	*56.1%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	202.37	-
End Bearing (kips)	1752.88	-
Weight of Concrete (kips)	111.77	-
Total Capacity (kips)	1955.25	-
Axial (kips)	172.77	-
Rating*	*8.4%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	5.66	-
Critical Moment (kip-ft)	4251.61	-
Critical Moment Capacity	7543.77	-
Rating*	*53.7%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	18.89	-
Critical Shear (kip)	332.25	-
Critical Shear Capacity	767.43	-
Rating*	*41.2%*	-

Shear-Friciton Methodology is Applied

Soil Interaction Rating*	**56.1%**
Structural Foundation Rating*	**53.7%**

*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	6	# of Layers	9

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. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	116	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3	3.5	0.5	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.5	5	1.5	115	150	0	38	0.000	0.000	0.18	0.18			Cohesionless
4	5	6	1	116	150	0	41	0.000	0.000	0.28	0.28			Cohesionless
5	6	7	1	54	87.6	0	41	0.000	0.000	0.28	0.28			Cohesionless
6	7	10	3	55	87.6	0	45	0.000	0.000	0.38	0.38			Cohesionless
7	10	15	5	55	87.6	0	45	0.00	0.00	0.48	0.48			Cohesionless
8	15	20	5	55	87.6	3.25	0	1.78	1.78	1.20	1.20			Cohesive
9	20	22.5	2.5	55	87.6	0	45	0.00	0.00	0.76	0.76	58.1		Cohesionless

Exhibit E

Mount Analysis

GPD Engineering And Architecture Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
(317) 295-3174

Maser Consulting Contact:
Peter.albano@colliersengineering.com
856-242-2076

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10039600
GPD Project #: 2021740.467642.01
Maser Project #: 21777110

June 25, 2021

Site Information	*Site ID:*	*467642-Vzw / Branford 3 Ct*
	Site Name:	*Branford 3 Ct*
	Carrier Name:	*Verizon Wireless*
	Address:	*21 Acorn St* *Branford, Connecticut 06405* *New Haven County*
	Latitude:	*41.293072°*
	Longitude:	*-72.762889°*
Structure Information	*Tower Type:*	*150-Ft Self Support*
	Mount Type:	*13.35-Ft Platform Mount*

FUZE ID # 16244072

Analysis Results

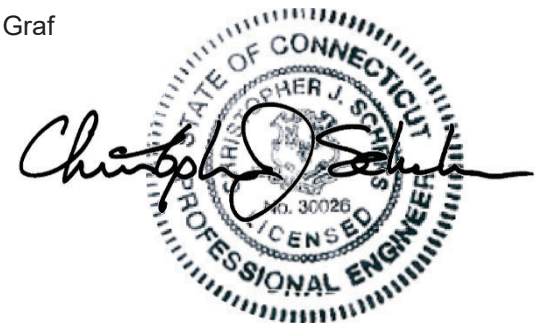
Platform Mount: **91.3% Pass**

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

Report Prepared By: Parker Graf

Respectfully Submitted by:

Christopher J. Scheks, P.E.
Connecticut #: 0030026



6/25/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 323464, dated May 25, 2021*
Mount Mapping Report	*Structural Components Site #: 16244072, dated February 24, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	122 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.996
Seismic Parameters:	S_S:	0.203
	S_1:	0.054
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
115.50	116.00	3	Samsung	B5/B13 RRH-BR04C	Added
		6	Commscope	JAHH-65B-R3B	
		3	Samsung	MT6407-77A	
		3	Commscope	CB78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		2	Antel	LPA-80063/6CF	Retained
		2	Amphenol Antel	LPA-80080-4CF	
		2	RFS	APL868013	
115.50	126.00	2	Raycap	RRFDC-3315-PF-48*	

* Equipment to be flush mounted directly to the Self Support. They are not mounted on the platform and are not included in this mount analysis.

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount.

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to GPD 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 GPD to verify deviation will not adversely impact the analysis.

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by GPD, 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. GPD is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	51.3 %	Pass
Toerail	26.1 %	Pass
Grating Angle	1.0 %	Pass
Mount Pipe	29.3 %	Pass
Mount Pipe Dual	34.1 %	Pass
Mount Connection	91.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**91.3%**

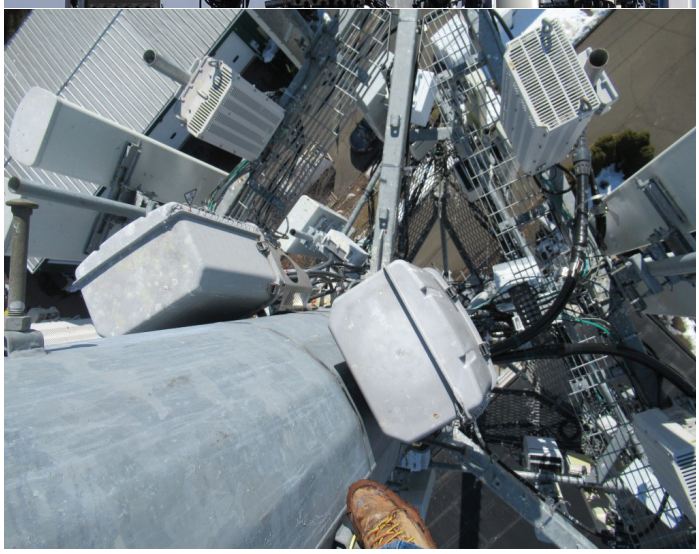
Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagram
6. TIA Adoption Wind Speed Letter



V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Crown Castle	**Mapping Date:**	2/24/2021
Site Name:	Branford CT	**Tower Type:**	Monopole
Site Number or ID:	16244072	**Tower Height (Ft.):**	150
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	118

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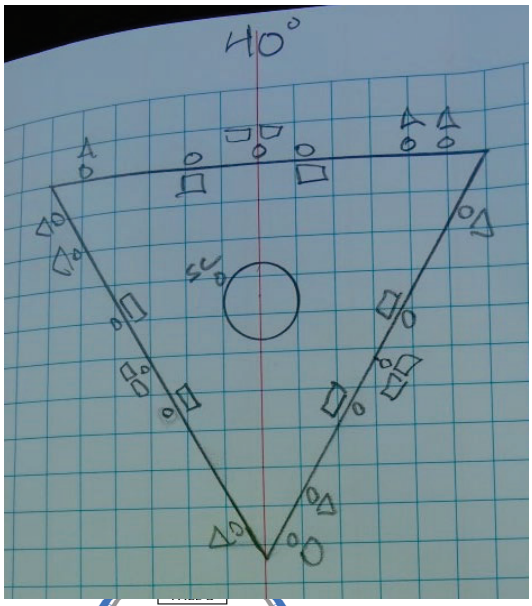
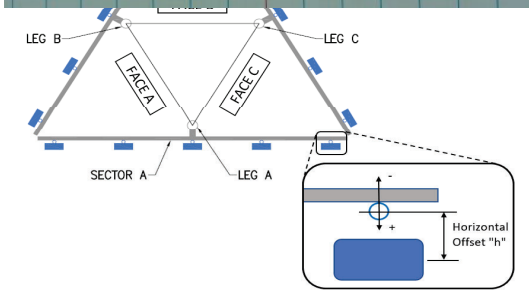
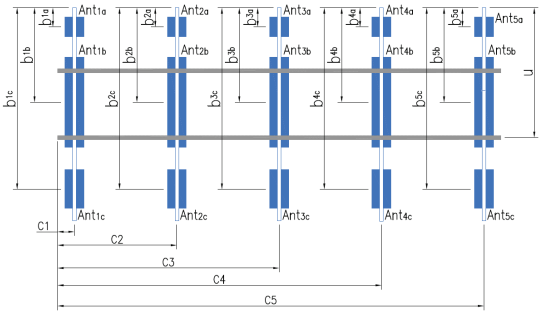






Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8 x .154 x 84	48.00	10.00	C1	2-3/8 x .154 x 84	48.00	10.00
A2	2-3/8 x .154 x 63	40.00	52.00	C2	2-3/8 x .154 x 63	40.00	54.00
A3	2-3/8 x .154 x 96	50.00	80.00	C3	2-3/8 x .154 x 96	50.00	80.50
A4	2-3/8 x .154 x 63	40.00	106.00	C4	2-3/8 x .154 x 63	40.00	107.00
A5	2-3/8 x .154 x 96	50.00	128.00	C5	2-3/8 x .154 x 96	50.00	128.00
A6	2-3/8 x .154 x 96	50.00	149.00	C6	2-3/8 x .154 x 96	50.00	149.50
B1	2-3/8 x .154 x 84	48.00	9.00	D1			
B2	2-3/8 x .154 x 63	40.00	52.00	D2			
B3	2-3/8 x .154 x 96	50.00	79.50	D3			
B4	2-3/8 x .154 x 63	40.00	104.50	D4			
B5	2-3/8 x .154 x 96	50.00	126.00	D5			
B6	2-3/8 x .154 x 96	50.00	148.00	D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

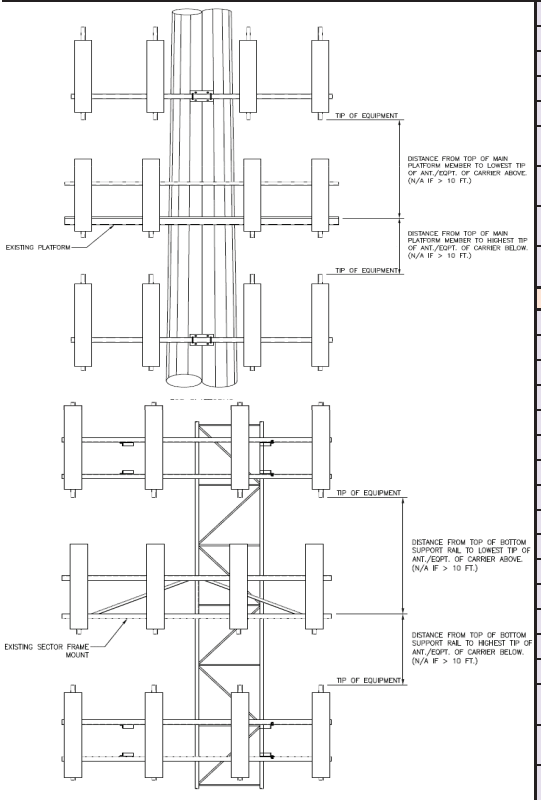
6 positions on mount, 5c represents position 6

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	25

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	amphonal LPA80080/	6.00	13.00	47.00	1) 1-5/8 t	118.583	41.00	13.50	40.00	38, 46
Ant_{1c}										
Ant_{2a}	Nokia UHIEV66ARRH4	12.00	7.00	25.00	Jumpers	120.333	12.00	-7.00		38, 46
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	(2) SBNHH 1D65B	12.00	7.00	72.00	Jumpers	118.583	43.00	10.00	40.00	39, 46
Ant_{3c}										
Ant_{4a}	B13 RRH 4x30	12.00	7.00	20.00	Jumpers	120.083	15.00	-7.00		39, 46
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Amphonal BXA17108	6.00	4.00	48.00	DEAD	118.667	42.00	7.00		39, 46
Ant_{5c}	amphonal LPA80080/	6.00	13.00	47.00	1) 1-5/8 t	118.75	41.00	13.50	40.00	39, 46
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:	15.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was obstructed.
	Condition:		Missing safety cable.



Sector B										
Ant_{1a}										
Ant_{1b}	Unknown	15.00	13.00	72.00	1) 1-5/8 t	118.5	42.00	15.00	160.00	19, 48
Ant_{1c}										
Ant_{2a}	Nokia UHIEV66ARRH4	12.00	7.00	25.00	Jumpers	120.333	12.00	-7.00		19, 48
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	(2) SBNHH 1D65B	12.00	7.00	72.00	Jumpers	118.583	43.00	10.00	160.00	19, 48
Ant_{3c}										
Ant_{4a}	B13 RRH 4x30	12.00	7.00	20.00	Jumpers	120.083	15.00	-7.00		19, 49
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Amphonal BXA17108	6.00	4.00	48.00	DEAD	118.667	42.00	7.00	160.00	19, 49
Ant_{5c}	Unknown	15.00	13.00	72.00	1) 1-5/8 t	118.667	42.00	15.00	160.00	19, 49
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	14.50	10.00	19.00	(1)1.5 HYB	122.5				49
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	Unknown	6.00	8.00	48.00		118.5	42.00	11.00	280.00	25, 50
Ant_{1c}										
Ant_{2a}	Nokia UHIEV66ARRH4	12.00	7.00	25.00	Jumpers	120.333	12.00	-7.00		25, 50
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	(2) SBNHH 1D65B	12.00	7.00	72.00	Jumpers	118.583	43.00	10.00	160.00	25, 50
Ant_{3c}										
Ant_{4a}	B13 RRH 4x30	12.00	7.00	20.00	Jumpers	120.083	15.00	-7.00		25, 51
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Amphonal BXA17108	6.00	4.00	48.00	DEAD	118.667	42.00	7.00	280.00	25, 51
Ant_{5c}	Unknown	15.00	13.00	72.00	1) 1-5/8 t	118.667	42.00	15.00	280.00	25, 51
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	14.50	10.00	19.00	(1)1.5 HYB	122.5				50
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		
2		
3		
4		
5		
6		
7		
8		

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

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

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Crown Castle	**Mapping Date:**	2/24/2021
Site Name:	Branford CT	**Tower Type:**	Monopole
Site Number or ID:	16244072	**Tower Height (Ft.):**	150
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	118

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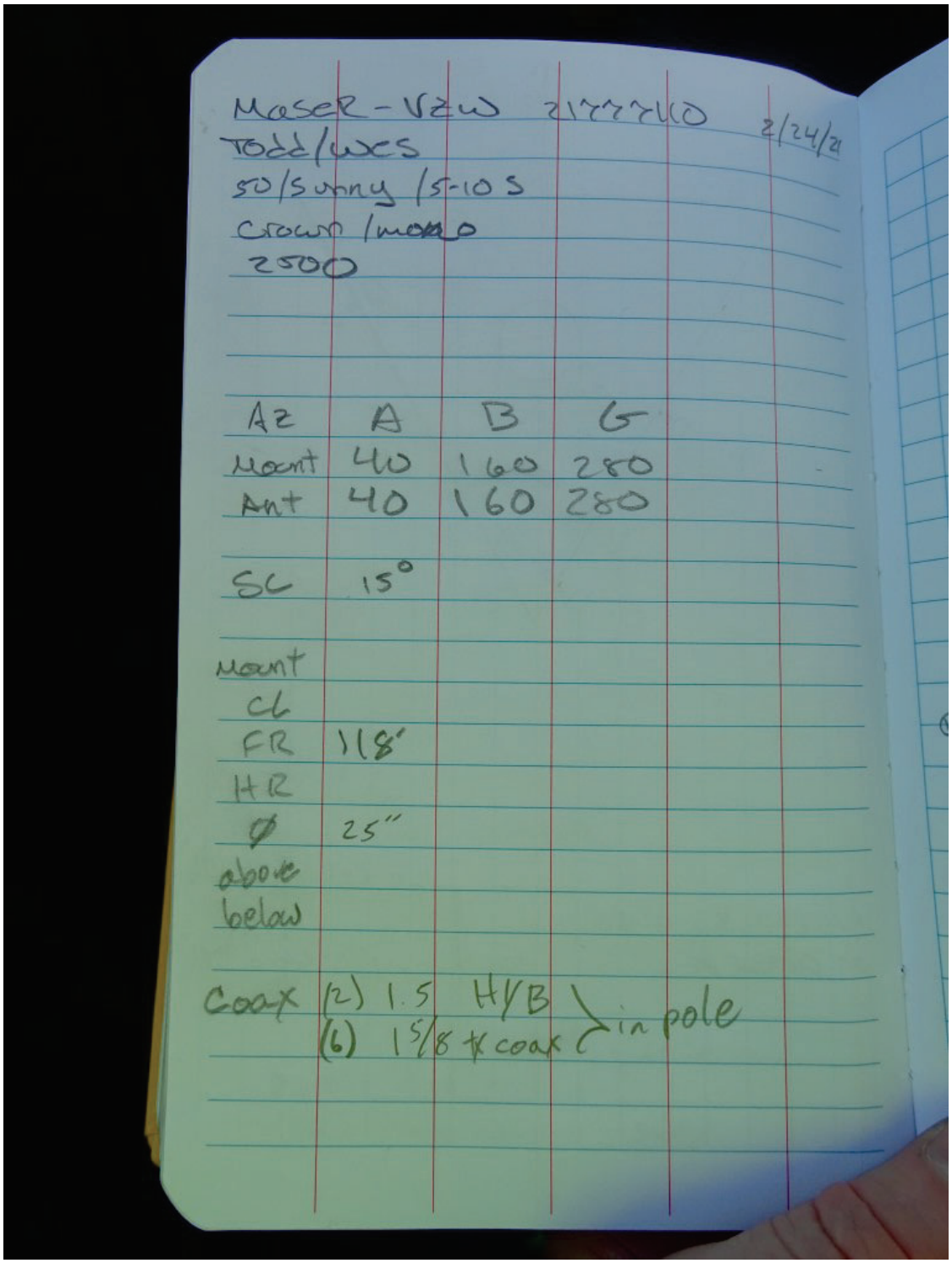
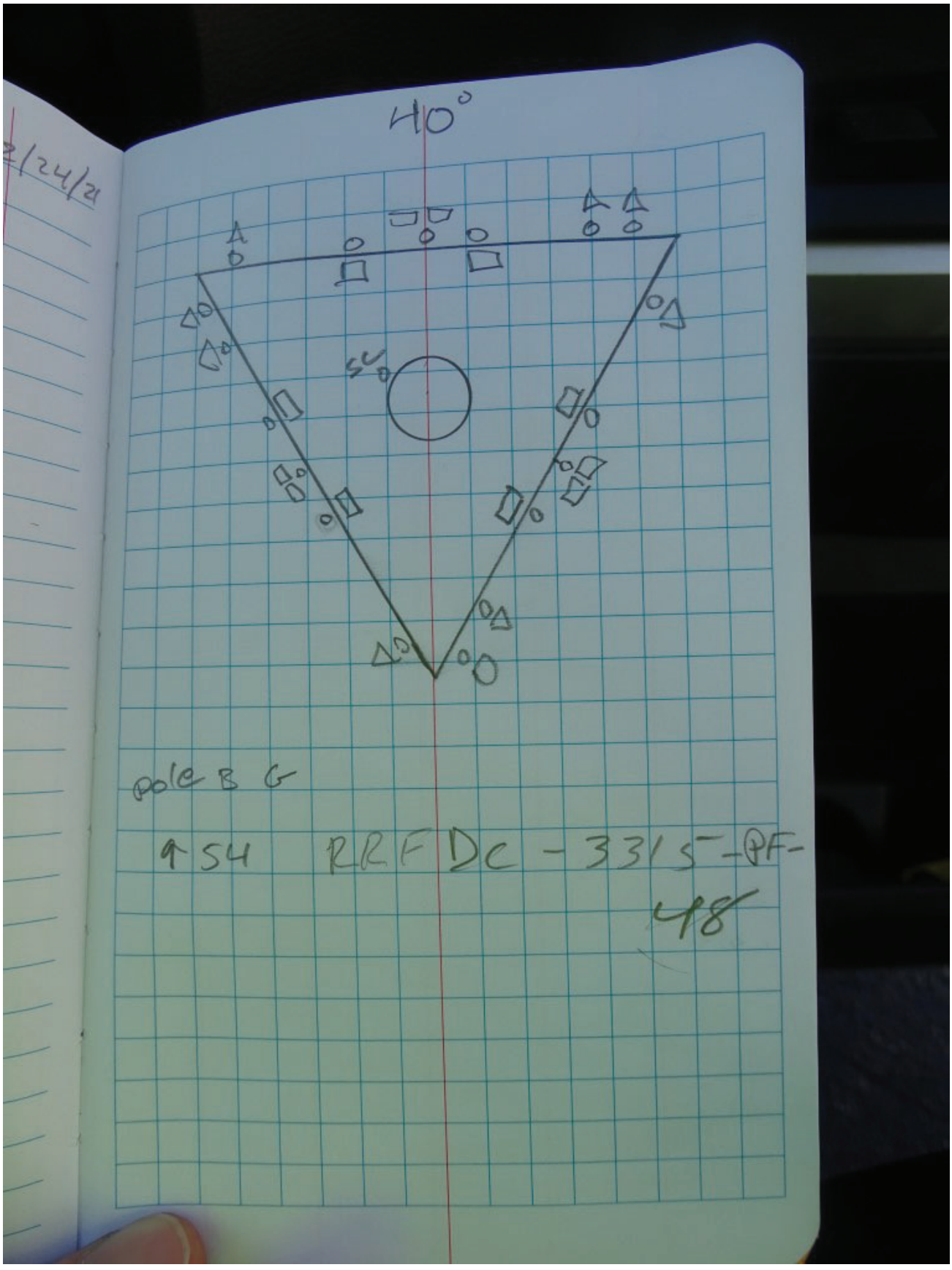
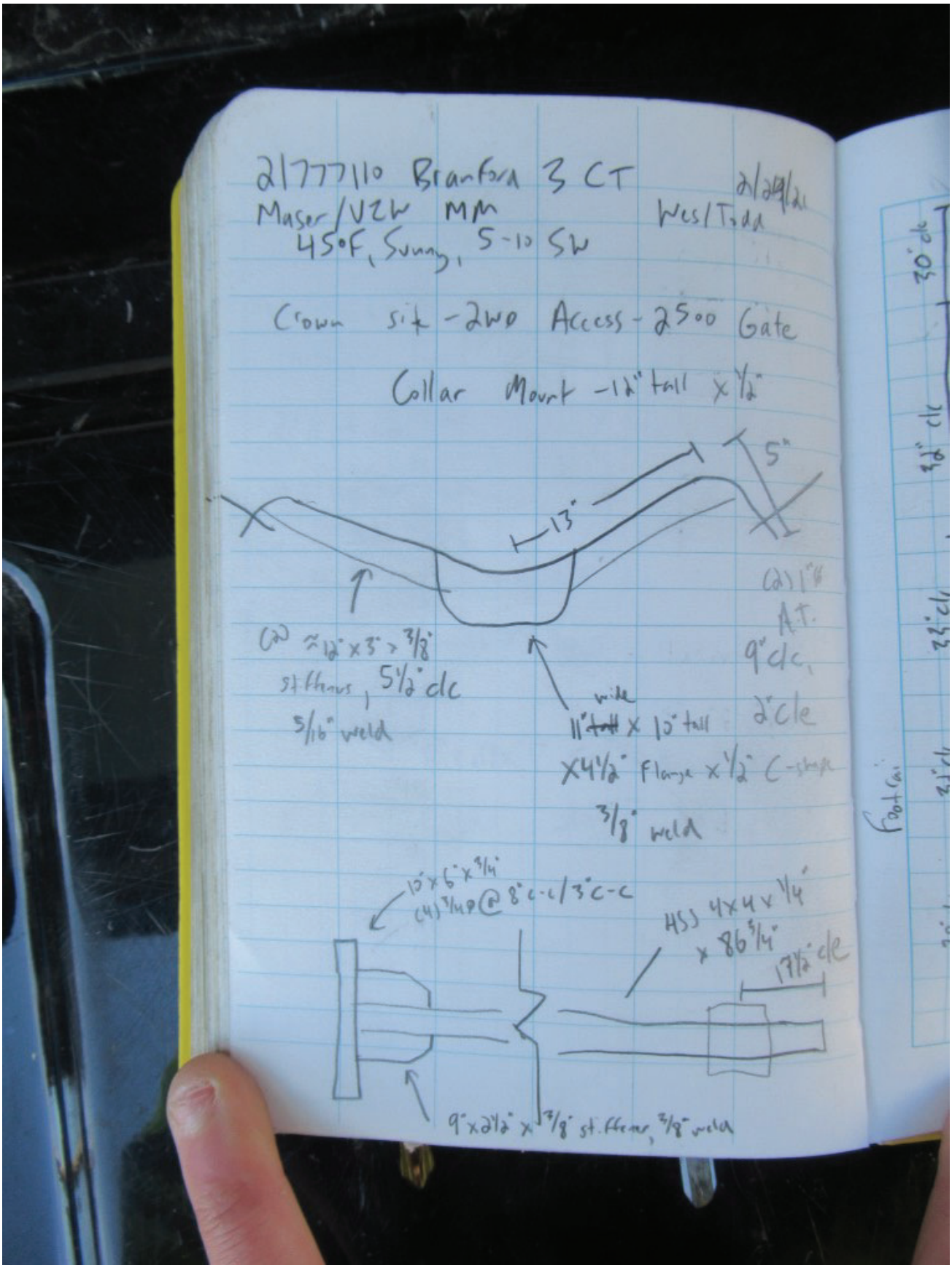
Please Insert Sketches of the Antenna Mount



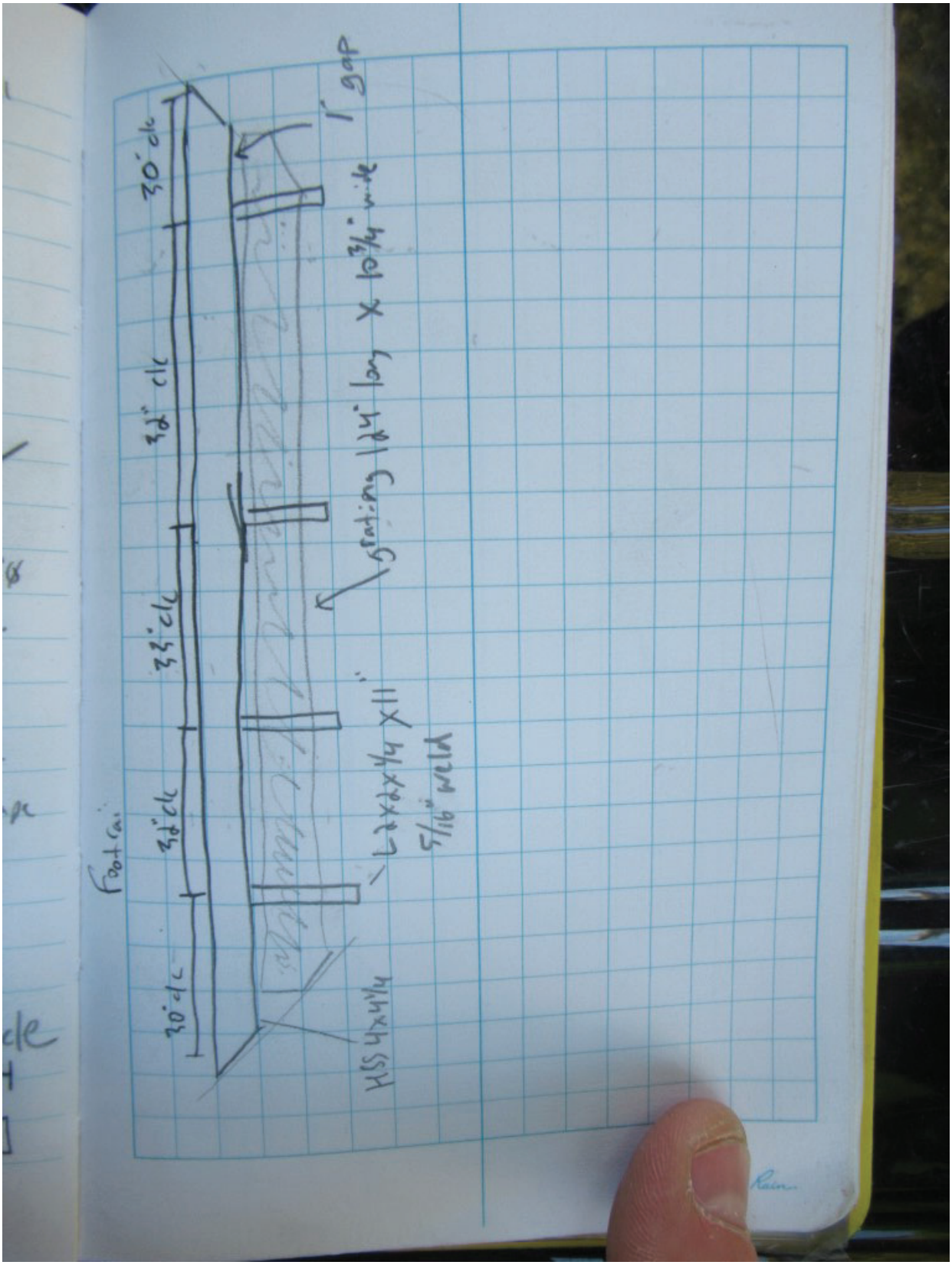
Please Insert Sketches of the Antenna Mount, cont'd



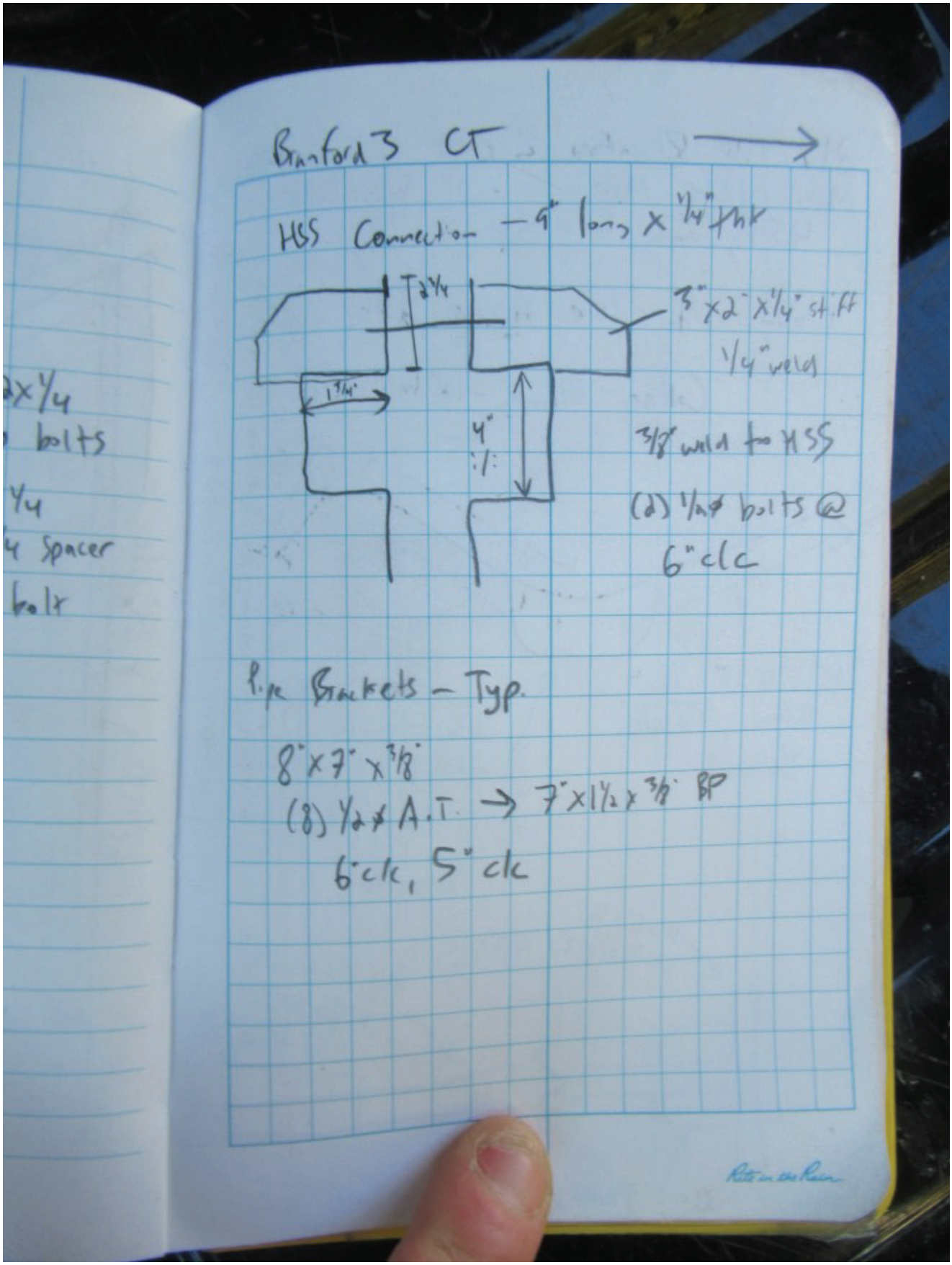
Please Insert Sketches of the Antenna Mount, cont'd

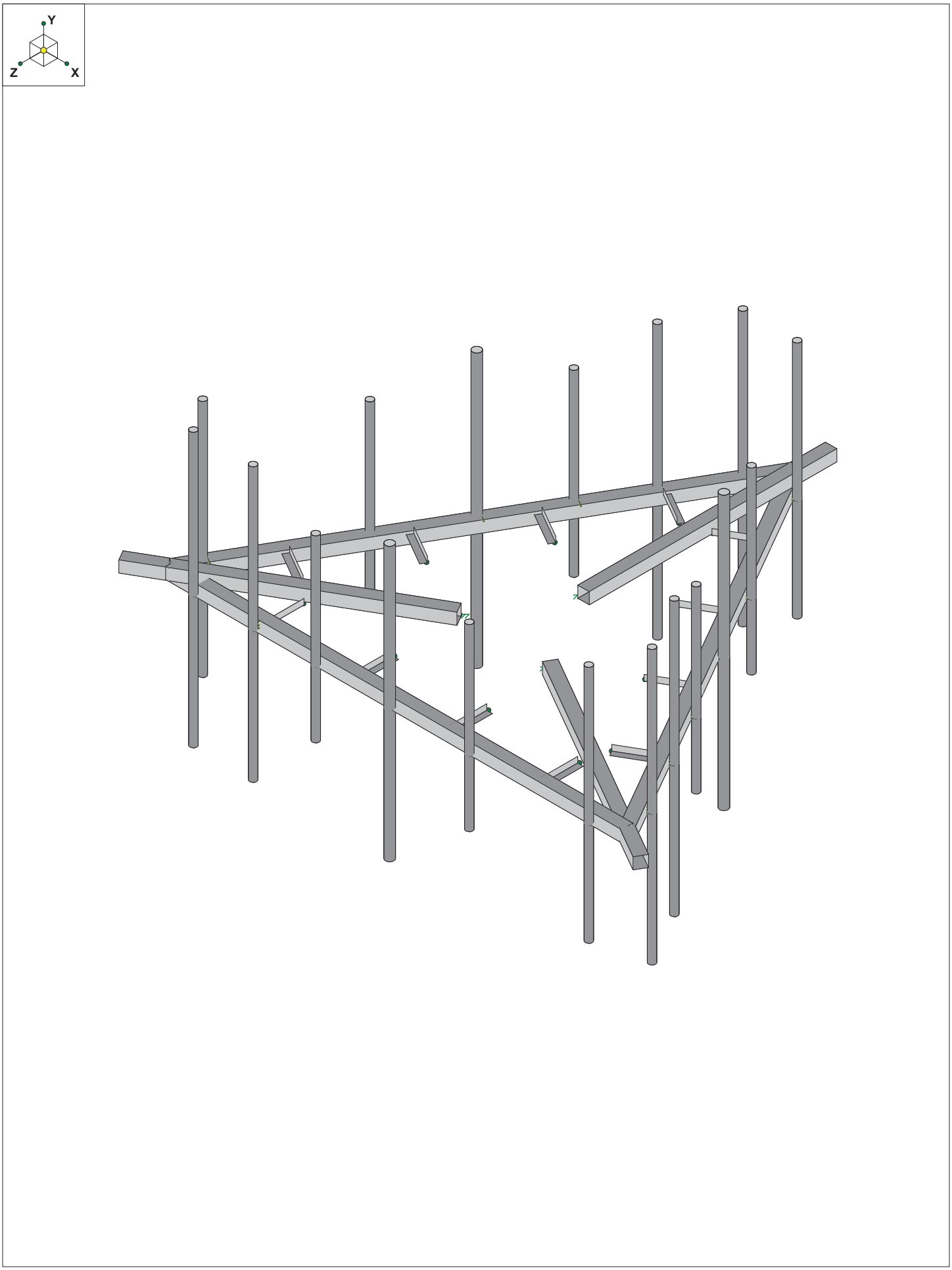


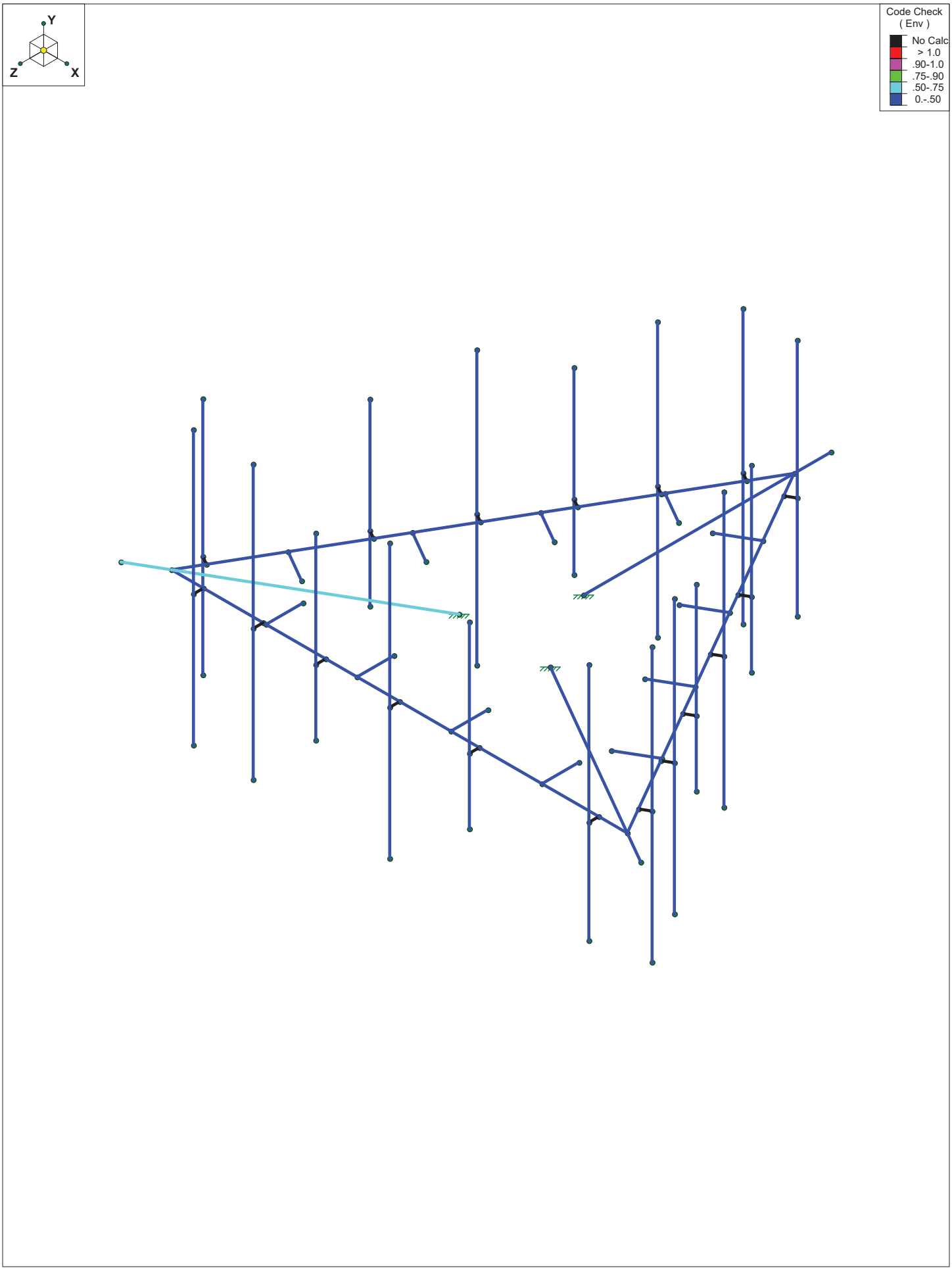
Please Insert Sketches of the Antenna Mount, cont'd

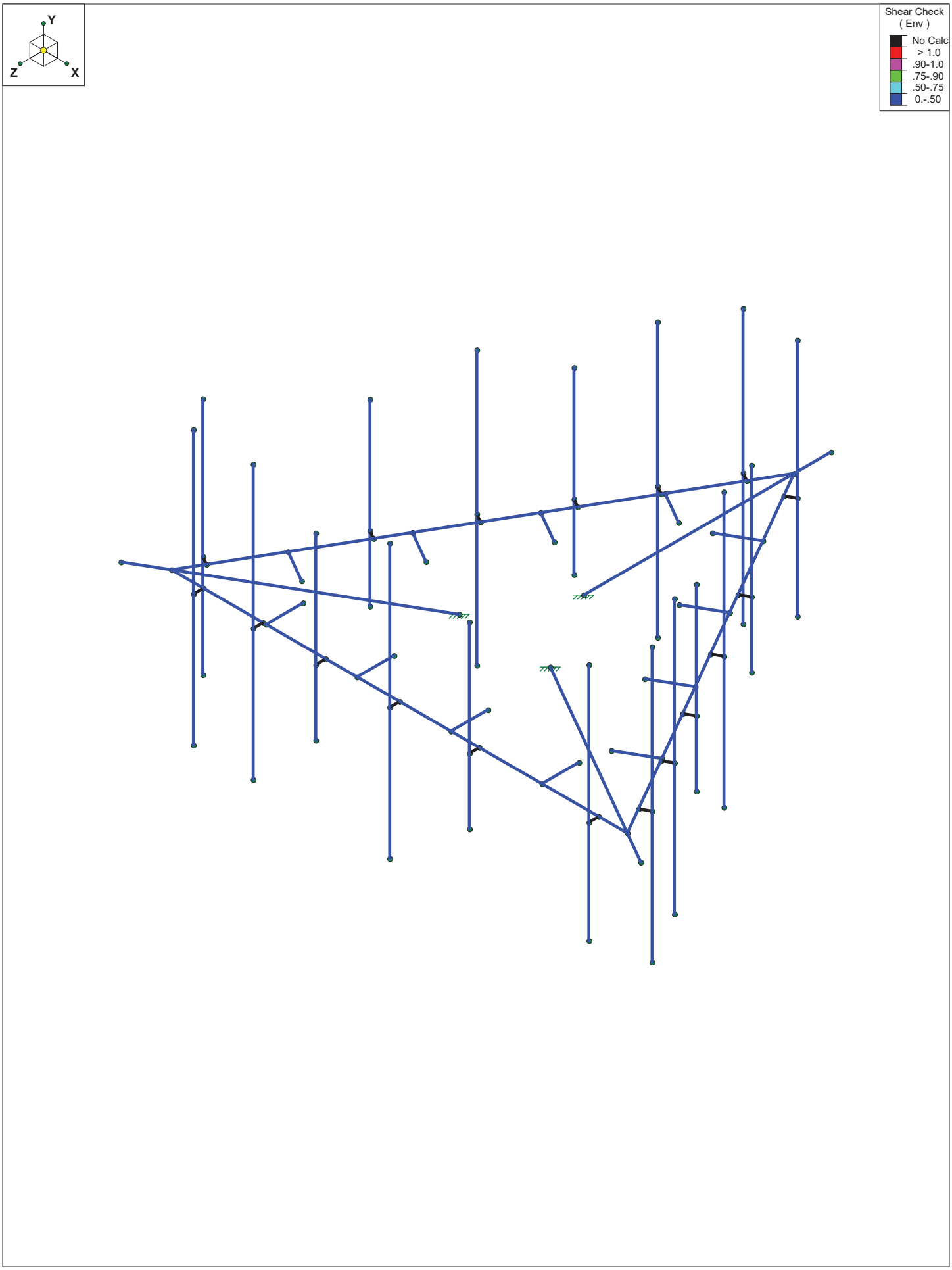


Please Insert Sketches of the Antenna Mount, cont'd




Y
Z
X


Y
Z
X
Code Check
(Env)
No Calc
> 1.0
.90-1.0
.75-.90
.50-.75
0.-.50


Y
Z
X
Shear Check
(Env)
No Calc
> 1.0
.90-1.0
.75-.90
.50-.75
0.-.50

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					117			
2	Antenna Di	None					117			
3	Antenna Wo (0 Deg)	None					117			
4	Antenna Wo (30 Deg)	None					117			
5	Antenna Wo (60 Deg)	None					117			
6	Antenna Wo (90 Deg)	None					117			
7	Antenna Wo (120 Deg)	None					117			
8	Antenna Wo (150 Deg)	None					117			
9	Antenna Wo (180 Deg)	None					117			
10	Antenna Wo (210 Deg)	None					117			
11	Antenna Wo (240 Deg)	None					117			
12	Antenna Wo (270 Deg)	None					117			
13	Antenna Wo (300 Deg)	None					117			
14	Antenna Wo (330 Deg)	None					117			
15	Antenna Wi (0 Deg)	None					117			
16	Antenna Wi (30 Deg)	None					117			
17	Antenna Wi (60 Deg)	None					117			
18	Antenna Wi (90 Deg)	None					117			
19	Antenna Wi (120 Deg)	None					117			
20	Antenna Wi (150 Deg)	None					117			
21	Antenna Wi (180 Deg)	None					117			
22	Antenna Wi (210 Deg)	None					117			
23	Antenna Wi (240 Deg)	None					117			
24	Antenna Wi (270 Deg)	None					117			
25	Antenna Wi (300 Deg)	None					117			
26	Antenna Wi (330 Deg)	None					117			
27	Antenna Wm (0 Deg)	None					117			
28	Antenna Wm (30 Deg)	None					117			
29	Antenna Wm (60 Deg)	None					117			
30	Antenna Wm (90 Deg)	None					117			
31	Antenna Wm (120 De...	None					117			
32	Antenna Wm (150 De...	None					117			
33	Antenna Wm (180 De...	None					117			
34	Antenna Wm (210 De...	None					117			
35	Antenna Wm (240 De...	None					117			
36	Antenna Wm (270 De...	None					117			
37	Antenna Wm (300 De...	None					117			
38	Antenna Wm (330 De...	None					117			
39	Structure D	None		-1						
40	Structure Di	None						36		
41	Structure Wo (0 Deg)	None						72		
42	Structure Wo (30 Deg)	None						72		
43	Structure Wo (60 Deg)	None						72		
44	Structure Wo (90 Deg)	None						72		
45	Structure Wo (120 D...	None						72		
46	Structure Wo (150 D...	None						72		
47	Structure Wo (180 D...	None						72		
48	Structure Wo (210 D...	None						72		
49	Structure Wo (240 D...	None						72		
50	Structure Wo (270 D...	None						72		
51	Structure Wo (300 D...	None						72		

Basic Load Cases (Continued)

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

Load Combinations

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
19	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Yes	Y		1	1.4	39	1.4																		
52	Seismic M..		Y		1	1	39	1																		
53	1.2D + 1.0..		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1												
54	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866												
55	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5												
56	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	1	SY	1	SZ													
57	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5												
58	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866												
59	1.2D + 1.0..		Y		1	1.2	39	1.2	SX		SY	1	SZ	1												
60	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866												
61	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5												
62	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ													
63	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5												
64	1.2D + 1.0..		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866												

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-1.335122	0	0.770833	0	
2	N2	-7.613807	0	4.395833	0	
3	N3	-6.675612	0	3.854167	0	
4	N4	-0.	0	-1.541667	0	
5	N5	-0.	0	-8.791667	0	
6	N6	-0.	0	-7.708333	0	
7	N7	1.335122	0	0.770833	0	
8	N8	7.613807	0	4.395833	0	
9	N9	6.675612	0	3.854167	0	
10	N10	0.416667	0	-6.986645	0	
11	N11	0.669257	0	-7.132479	0	
12	N12	2.25	0	-3.811219	0	
13	N13	2.502591	0	-3.957052	0	
14	N14	3.354167	0	-1.898746	0	
15	N15	3.606757	0	-2.04458	0	
16	N16	4.458333	0	0.013727	0	
17	N17	4.710924	0	-0.132107	0	
18	N18	5.333333	0	1.529271	0	
19	N19	5.585924	0	1.383438	0	
20	N20	6.229167	0	3.0809	0	
21	N21	6.481757	0	2.935066	0	
22	N22	5.842279	0	3.854167	0	
23	N23	5.842279	0	4.145833	0	
24	N24	2.342279	0	3.854167	0	
25	N25	2.342279	0	4.145833	0	
26	N26	0.008946	0	3.854167	0	
27	N27	0.008946	0	4.145833	0	
28	N28	-2.157721	0	3.854167	0	
29	N29	-2.157721	0	4.145833	0	
30	N30	-3.991054	0	3.854167	0	
31	N31	-3.991054	0	4.145833	0	
32	N32	-5.741054	0	3.854167	0	
33	N33	-5.741054	0	4.145833	0	
34	N34	-6.300612	0	3.204648	0	
35	N35	-6.553203	0	3.058814	0	
36	N36	-4.508946	0	0.10139	0	
37	N37	-4.761537	0	-0.044443	0	
38	N38	-3.363112	0	-1.883252	0	
39	N39	-3.615703	0	-2.029085	0	
40	N40	-2.321446	0	-3.687471	0	
41	N41	-2.574037	0	-3.833305	0	
42	N42	-1.425612	0	-5.2391	0	
43	N43	-1.678203	0	-5.384933	0	
44	N44	-0.508946	0	-6.826813	0	
45	N45	-0.761537	0	-6.972647	0	
46	N46	1.25	0	-5.54327	0	
47	N47	0.311806	0	-5.001603	0	
48	N48	2.583333	0	-3.233869	0	
49	N49	1.645139	0	-2.692202	0	
50	N50	3.958333	0	-0.852299	0	
51	N51	3.020139	0	-0.310632	0	
52	N52	4.353472	0	1.998769	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
53	N53	4.175612	0	3.854167	0	
54	N55	1.508946	0	3.854167	0	
55	N57	-1.241054	0	3.854167	0	
56	N59	-3.907721	0	3.854167	0	
57	N61	-5.425612	0	1.689103	0	
58	N63	-4.092279	0	-0.620298	0	
59	N65	-2.717279	0	-3.001868	0	
60	N67	-1.383946	0	-5.311269	0	
61	N69	0.669257	4	-7.132479	0	
62	N70	5.842279	4	4.145833	0	
63	N71	-6.553203	4	3.058814	0	
64	N72	0.669257	-3	-7.132479	0	
65	N73	5.842279	-3	4.145833	0	
66	N74	-6.553203	-3	3.058814	0	
67	N75	2.502591	3.333333	-3.957052	0	
68	N76	4.710924	3.333333	-0.132107	0	
69	N77	2.342279	3.333333	4.145833	0	
70	N78	-2.157721	3.333333	4.145833	0	
71	N79	-4.761537	3.333333	-0.044443	0	
72	N80	-2.574037	3.333333	-3.833305	0	
73	N81	2.502591	-1.916667	-3.957052	0	
74	N82	4.710924	-1.916667	-0.132107	0	
75	N83	2.342279	-1.916667	4.145833	0	
76	N84	-2.157721	-1.916667	4.145833	0	
77	N85	-4.761537	-1.916667	-0.044443	0	
78	N86	-2.574037	-1.916667	-3.833305	0	
79	N87	3.606757	4.166667	-2.04458	0	
80	N88	5.585924	4.166667	1.383438	0	
81	N89	6.481757	4.166667	2.935066	0	
82	N90	0.008946	4.166667	4.145833	0	
83	N91	-3.991054	4.166667	4.145833	0	
84	N92	-5.741054	4.166667	4.145833	0	
85	N93	-3.615703	4.166667	-2.029085	0	
86	N94	-1.678203	4.166667	-5.384933	0	
87	N95	-0.761537	4.166667	-6.972647	0	
88	N96	3.606757	-3.833333	-2.04458	0	
89	N97	5.585924	-3.833333	1.383438	0	
90	N98	6.481757	-3.833333	2.935066	0	
91	N99	0.008946	-3.833333	4.145833	0	
92	N100	-3.991054	-3.833333	4.145833	0	
93	N101	-5.741054	-3.833333	4.145833	0	
94	N102	-3.615703	-3.833333	-2.029085	0	
95	N103	-1.678203	-3.833333	-5.384933	0	
96	N104	-0.761537	-3.833333	-6.972647	0	
97	N105	5.291667	0	1.457102	0	
98	N100A	4.175612	0	2.770833	0	
99	N102A	1.508946	0	2.770833	0	
100	N104A	-1.241054	0	2.770833	0	
101	N106A	-3.907721	0	2.770833	0	
102	N108	-4.487418	0	2.23077	0	
103	N110	-3.154085	0	-0.078631	0	
104	N112	-1.779085	0	-2.460201	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
105	N114	-0.445752	0	-4.769602	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff Horizontal	HSS4X4X4	None	None	A500 Gr.B RECT	Typical	3.37	7.8	7.8	12.8
2	Toerail	HSS4X4X4	None	None	A500 Gr.B RECT	Typical	3.37	7.8	7.8	12.8
3	Grating Angle	L2x2x4	None	None	A36 Gr.36	Typical	.944	.346	.346	.021
4	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Mount Pipe Dual	PIPE_2.5	None	None	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	A500 Gr.C RND	29000	11154	.3	.65	.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	.3	.65	.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
9	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Standoff Horiz...	None	None	A500 Gr.B...	Typical
2	M2	N4	N5			Standoff Horiz...	None	None	A500 Gr.B...	Typical
3	M3	N7	N8			Standoff Horiz...	None	None	A500 Gr.B...	Typical
4	M4	N3	N6			Toerail	None	None	A500 Gr.B...	Typical
5	M5	N6	N9			Toerail	None	None	A500 Gr.B...	Typical
6	M6	N9	N3			Toerail	None	None	A500 Gr.B...	Typical
7	M7	N10	N11			RIGID	None	None	RIGID	Typical
8	M8	N12	N13			RIGID	None	None	RIGID	Typical
9	M9	N14	N15			RIGID	None	None	RIGID	Typical
10	M10	N16	N17			RIGID	None	None	RIGID	Typical
11	M11	N18	N19			RIGID	None	None	RIGID	Typical
12	M12	N20	N21			RIGID	None	None	RIGID	Typical
13	M13	N22	N23			RIGID	None	None	RIGID	Typical
14	M14	N24	N25			RIGID	None	None	RIGID	Typical
15	M15	N26	N27			RIGID	None	None	RIGID	Typical
16	M16	N28	N29			RIGID	None	None	RIGID	Typical
17	M17	N30	N31			RIGID	None	None	RIGID	Typical
18	M18	N32	N33			RIGID	None	None	RIGID	Typical
19	M19	N34	N35			RIGID	None	None	RIGID	Typical
20	M20	N36	N37			RIGID	None	None	RIGID	Typical
21	M21	N38	N39			RIGID	None	None	RIGID	Typical
22	M22	N40	N41			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
23	M23	N42	N43			RIGID	None	None	RIGID	Typical
24	M24	N44	N45			RIGID	None	None	RIGID	Typical
25	M25	N46	N47			Grating Angle	None	None	A36 Gr.36	Typical
26	M26	N48	N49			Grating Angle	None	None	A36 Gr.36	Typical
27	M27	N50	N51			Grating Angle	None	None	A36 Gr.36	Typical
28	M47	N53	N100A			Grating Angle	None	None	A36 Gr.36	Typical
29	M48	N55	N102A			Grating Angle	None	None	A36 Gr.36	Typical
30	M49	N57	N104A			Grating Angle	None	None	A36 Gr.36	Typical
31	M50	N106A	N59			Grating Angle	None	None	A36 Gr.36	Typical
32	M51	N61	N108			Grating Angle	None	None	A36 Gr.36	Typical
33	M52	N63	N110			Grating Angle	None	None	A36 Gr.36	Typical
34	M53	N65	N112			Grating Angle	None	None	A36 Gr.36	Typical
35	M54	N114	N67			Grating Angle	None	None	A36 Gr.36	Typical
36	M54A	N52	N105			Grating Angle	None	None	A36 Gr.36	Typical
37	MP1A	N70	N73			Mount Pipe	None	None	A53 Gr.B	Typical
38	MP1B	N71	N74			Mount Pipe	None	None	A53 Gr.B	Typical
39	MP1C	N69	N72			Mount Pipe	None	None	A53 Gr.B	Typical
40	MP2A	N77	N83			Mount Pipe	None	None	A53 Gr.B	Typical
41	MP2B	N79	N85			Mount Pipe	None	None	A53 Gr.B	Typical
42	MP2C	N75	N81			Mount Pipe	None	None	A53 Gr.B	Typical
43	MP3A	N90	N99			Mount Pipe Dual	None	None	A53 Gr.B	Typical
44	MP3B	N93	N102			Mount Pipe Dual	None	None	A53 Gr.B	Typical
45	MP3C	N87	N96			Mount Pipe Dual	None	None	A53 Gr.B	Typical
46	MPRRUA	N78	N84			Mount Pipe	None	None	A53 Gr.B	Typical
47	MPRRUB	N80	N86			Mount Pipe	None	None	A53 Gr.B	Typical
48	MPRRUC	N76	N82			Mount Pipe	None	None	A53 Gr.B	Typical
49	MP4A	N91	N100			Mount Pipe	None	None	A53 Gr.B	Typical
50	MP4B	N94	N103			Mount Pipe	None	None	A53 Gr.B	Typical
51	MP4C	N88	N97			Mount Pipe	None	None	A53 Gr.B	Typical
52	MP5A	N92	N101			Mount Pipe	None	None	A53 Gr.B	Typical
53	MP5B	N95	N104			Mount Pipe	None	None	A53 Gr.B	Typical
54	MP5C	N89	N98			Mount Pipe	None	None	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M47						Yes	** NA **			None
29	M48						Yes	** NA **			None
30	M49						Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M52						Yes	** NA **			None
34	M53						Yes	** NA **			None
35	M54						Yes	** NA **			None
36	M54A						Yes	** NA **			None
37	MP1A						Yes	** NA **			None
38	MP1B						Yes	** NA **			None
39	MP1C						Yes	** NA **			None
40	MP2A						Yes	** NA **			None
41	MP2B						Yes	** NA **			None
42	MP2C						Yes	** NA **			None
43	MP3A						Yes	** NA **			None
44	MP3B						Yes	** NA **			None
45	MP3C						Yes	** NA **			None
46	MPRRUA						Yes	** NA **			None
47	MPRRUB						Yes	** NA **			None
48	MPRRUC						Yes	** NA **			None
49	MP4A						Yes	** NA **			None
50	MP4B						Yes	** NA **			None
51	MP4C						Yes	** NA **			None
52	MP5A						Yes	** NA **			None
53	MP5B						Yes	** NA **			None
54	MP5C						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	Y	-70.3	1
2	MPRRUB	My	-.021	1
3	MPRRUB	Mz	.036	1
4	MPRRUC	Y	-70.3	1
5	MPRRUC	My	-.021	1
6	MPRRUC	Mz	-.036	1
7	MP3A	Y	-31.65	1.5
8	MP3A	My	-.017	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3A	Mz	.024	1.5
10	MP3A	Y	-31.65	5.5
11	MP3A	My	-.017	5.5
12	MP3A	Mz	.024	5.5
13	MP3B	Y	-31.65	1.5
14	MP3B	My	-.013	1.5
15	MP3B	Mz	-.027	1.5
16	MP3B	Y	-31.65	5.5
17	MP3B	My	-.013	5.5
18	MP3B	Mz	-.027	5.5
19	MP3C	Y	-31.65	1.5
20	MP3C	My	.03	1.5
21	MP3C	Mz	.003	1.5
22	MP3C	Y	-31.65	5.5
23	MP3C	My	.03	5.5
24	MP3C	Mz	.003	5.5
25	MP3A	Y	-31.65	1.5
26	MP3A	My	-.024	1.5
27	MP3A	Mz	-.017	1.5
28	MP3A	Y	-31.65	5.5
29	MP3A	My	-.024	5.5
30	MP3A	Mz	-.017	5.5
31	MP3B	Y	-31.65	1.5
32	MP3B	My	.027	1.5
33	MP3B	Mz	-.013	1.5
34	MP3B	Y	-31.65	5.5
35	MP3B	My	.027	5.5
36	MP3B	Mz	-.013	5.5
37	MP3C	Y	-31.65	1.5
38	MP3C	My	-.003	1.5
39	MP3C	Mz	.03	1.5
40	MP3C	Y	-31.65	5.5
41	MP3C	My	-.003	5.5
42	MP3C	Mz	.03	5.5
43	MP4A	Y	-43.55	2.5
44	MP4A	My	-.029	2.5
45	MP4A	Mz	.005	2.5
46	MP4A	Y	-43.55	5
47	MP4A	My	-.029	5
48	MP4A	Mz	.005	5
49	MP4B	Y	-43.55	2.5
50	MP4B	My	.01	2.5
51	MP4B	Mz	-.027	2.5
52	MP4B	Y	-43.55	5
53	MP4B	My	.01	5
54	MP4B	Mz	-.027	5
55	MP4C	Y	-43.55	2.5
56	MP4C	My	.019	2.5
57	MP4C	Mz	.022	2.5
58	MP4C	Y	-43.55	5
59	MP4C	My	.019	5
60	MP4C	Mz	.022	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3A	Y	-10.4	1
62	MP3A	My	.006	1
63	MP3A	Mz	0	1
64	MP3B	Y	-10.4	1
65	MP3B	My	-.003	1
66	MP3B	Mz	.005	1
67	MP3C	Y	-10.4	1
68	MP3C	My	-.003	1
69	MP3C	Mz	-.005	1
70	MP2A	Y	-84.4	1
71	MP2A	My	.049	1
72	MP2A	Mz	0	1
73	MP2B	Y	-84.4	1
74	MP2B	My	-.025	1
75	MP2B	Mz	.043	1
76	MP2C	Y	-84.4	1
77	MP2C	My	-.025	1
78	MP2C	Mz	-.043	1
79	MPRRUA	Y	-70.3	1
80	MPRRUA	My	.041	1
81	MPRRUA	Mz	0	1
82	MP1B	Y	-13.5	2
83	MP1B	My	.006	2
84	MP1B	Mz	-.016	2
85	MP1B	Y	-13.5	5
86	MP1B	My	.006	5
87	MP1B	Mz	-.016	5
88	MP5B	Y	-13.5	2
89	MP5B	My	.006	2
90	MP5B	Mz	-.016	2
91	MP5B	Y	-13.5	5
92	MP5B	My	.006	5
93	MP5B	Mz	-.016	5
94	MP1A	Y	-6	2
95	MP1A	My	-.007	2
96	MP1A	Mz	.001	2
97	MP1A	Y	-6	5
98	MP1A	My	-.007	5
99	MP1A	Mz	.001	5
100	MP5A	Y	-6	2
101	MP5A	My	-.007	2
102	MP5A	Mz	.001	2
103	MP5A	Y	-6	5
104	MP5A	My	-.007	5
105	MP5A	Mz	.001	5
106	MP1C	Y	-3.15	2
107	MP1C	My	.002	2
108	MP1C	Mz	.002	2
109	MP1C	Y	-3.15	5
110	MP1C	My	.002	5
111	MP1C	Mz	.002	5
112	MP5C	Y	-3.15	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
113	MP5C	My	.003	2
114	MP5C	Mz	.003	2
115	MP5C	Y	-3.15	5
116	MP5C	My	.003	5
117	MP5C	Mz	.003	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	Y	-39.582	1
2	MPRRUB	My	-.012	1
3	MPRRUB	Mz	.02	1
4	MPRRUC	Y	-39.582	1
5	MPRRUC	My	-.012	1
6	MPRRUC	Mz	-.02	1
7	MP3A	Y	-68.62	1.5
8	MP3A	My	-.037	1.5
9	MP3A	Mz	.053	1.5
10	MP3A	Y	-68.62	5.5
11	MP3A	My	-.037	5.5
12	MP3A	Mz	.053	5.5
13	MP3B	Y	-68.62	1.5
14	MP3B	My	-.027	1.5
15	MP3B	Mz	-.059	1.5
16	MP3B	Y	-68.62	5.5
17	MP3B	My	-.027	5.5
18	MP3B	Mz	-.059	5.5
19	MP3C	Y	-68.62	1.5
20	MP3C	My	.064	1.5
21	MP3C	Mz	.006	1.5
22	MP3C	Y	-68.62	5.5
23	MP3C	My	.064	5.5
24	MP3C	Mz	.006	5.5
25	MP3A	Y	-68.62	1.5
26	MP3A	My	-.053	1.5
27	MP3A	Mz	-.037	1.5
28	MP3A	Y	-68.62	5.5
29	MP3A	My	-.053	5.5
30	MP3A	Mz	-.037	5.5
31	MP3B	Y	-68.62	1.5
32	MP3B	My	.059	1.5
33	MP3B	Mz	-.027	1.5
34	MP3B	Y	-68.62	5.5
35	MP3B	My	.059	5.5
36	MP3B	Mz	-.027	5.5
37	MP3C	Y	-68.62	1.5
38	MP3C	My	-.006	1.5
39	MP3C	Mz	.064	1.5
40	MP3C	Y	-68.62	5.5
41	MP3C	My	-.006	5.5
42	MP3C	Mz	.064	5.5
43	MP4A	Y	-34.926	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4A	My	-.023	2.5
45	MP4A	Mz	.004	2.5
46	MP4A	Y	-34.926	5
47	MP4A	My	-.023	5
48	MP4A	Mz	.004	5
49	MP4B	Y	-34.926	2.5
50	MP4B	My	.008	2.5
51	MP4B	Mz	-.022	2.5
52	MP4B	Y	-34.926	5
53	MP4B	My	.008	5
54	MP4B	Mz	-.022	5
55	MP4C	Y	-34.926	2.5
56	MP4C	My	.015	2.5
57	MP4C	Mz	.018	2.5
58	MP4C	Y	-34.926	5
59	MP4C	My	.015	5
60	MP4C	Mz	.018	5
61	MP3A	Y	-10.505	1
62	MP3A	My	.006	1
63	MP3A	Mz	0	1
64	MP3B	Y	-10.505	1
65	MP3B	My	-.003	1
66	MP3B	Mz	.005	1
67	MP3C	Y	-10.505	1
68	MP3C	My	-.003	1
69	MP3C	Mz	-.005	1
70	MP2A	Y	-44.02	1
71	MP2A	My	.026	1
72	MP2A	Mz	0	1
73	MP2B	Y	-44.02	1
74	MP2B	My	-.013	1
75	MP2B	Mz	.022	1
76	MP2C	Y	-44.02	1
77	MP2C	My	-.013	1
78	MP2C	Mz	-.022	1
79	MPRRUA	Y	-39.582	1
80	MPRRUA	My	.023	1
81	MPRRUA	Mz	0	1
82	MP1B	Y	-87.014	2
83	MP1B	My	.037	2
84	MP1B	Mz	-.102	2
85	MP1B	Y	-87.014	5
86	MP1B	My	.037	5
87	MP1B	Mz	-.102	5
88	MP5B	Y	-87.014	2
89	MP5B	My	.037	2
90	MP5B	Mz	-.102	2
91	MP5B	Y	-87.014	5
92	MP5B	My	.037	5
93	MP5B	Mz	-.102	5
94	MP1A	Y	-39.516	2
95	MP1A	My	-.044	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1A	Mz	.008	2
97	MP1A	Y	-39.516	5
98	MP1A	My	-.044	5
99	MP1A	Mz	.008	5
100	MP5A	Y	-39.516	2
101	MP5A	My	-.044	2
102	MP5A	Mz	.008	2
103	MP5A	Y	-39.516	5
104	MP5A	My	-.044	5
105	MP5A	Mz	.008	5
106	MP1C	Y	-30.616	2
107	MP1C	My	.018	2
108	MP1C	Mz	.021	2
109	MP1C	Y	-30.616	5
110	MP1C	My	.018	5
111	MP1C	Mz	.021	5
112	MP5C	Y	-30.616	2
113	MP5C	My	.025	2
114	MP5C	Mz	.029	2
115	MP5C	Y	-30.616	5
116	MP5C	My	.025	5
117	MP5C	Mz	.029	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	0	1
2	MPRRUB	Z	-51.974	1
3	MPRRUB	Mx	-.026	1
4	MPRRUC	X	0	1
5	MPRRUC	Z	-51.974	1
6	MPRRUC	Mx	.026	1
7	MP3A	X	0	1.5
8	MP3A	Z	-190.968	1.5
9	MP3A	Mx	-.147	1.5
10	MP3A	X	0	5.5
11	MP3A	Z	-190.968	5.5
12	MP3A	Mx	-.147	5.5
13	MP3B	X	0	1.5
14	MP3B	Z	-134.484	1.5
15	MP3B	Mx	.115	1.5
16	MP3B	X	0	5.5
17	MP3B	Z	-134.484	5.5
18	MP3B	Mx	.115	5.5
19	MP3C	X	0	1.5
20	MP3C	Z	-154.101	1.5
21	MP3C	Mx	-.013	1.5
22	MP3C	X	0	5.5
23	MP3C	Z	-154.101	5.5
24	MP3C	Mx	-.013	5.5
25	MP3A	X	0	1.5
26	MP3A	Z	-190.968	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3A	Mx	.103	1.5
28	MP3A	X	0	5.5
29	MP3A	Z	-190.968	5.5
30	MP3A	Mx	.103	5.5
31	MP3B	X	0	1.5
32	MP3B	Z	-134.484	1.5
33	MP3B	Mx	.054	1.5
34	MP3B	X	0	5.5
35	MP3B	Z	-134.484	5.5
36	MP3B	Mx	.054	5.5
37	MP3C	X	0	1.5
38	MP3C	Z	-154.101	1.5
39	MP3C	Mx	-.145	1.5
40	MP3C	X	0	5.5
41	MP3C	Z	-154.101	5.5
42	MP3C	Mx	-.145	5.5
43	MP4A	X	0	2.5
44	MP4A	Z	-97.727	2.5
45	MP4A	Mx	-.011	2.5
46	MP4A	X	0	5
47	MP4A	Z	-97.727	5
48	MP4A	Mx	-.011	5
49	MP4B	X	0	2.5
50	MP4B	Z	-46.061	2.5
51	MP4B	Mx	.029	2.5
52	MP4B	X	0	5
53	MP4B	Z	-46.061	5
54	MP4B	Mx	.029	5
55	MP4C	X	0	2.5
56	MP4C	Z	-64.005	2.5
57	MP4C	Mx	-.033	2.5
58	MP4C	X	0	5
59	MP4C	Z	-64.005	5
60	MP4C	Mx	-.033	5
61	MP3A	X	0	1
62	MP3A	Z	-15.674	1
63	MP3A	Mx	0	1
64	MP3B	X	0	1
65	MP3B	Z	-12.052	1
66	MP3B	Mx	-.006	1
67	MP3C	X	0	1
68	MP3C	Z	-12.052	1
69	MP3C	Mx	.006	1
70	MP2A	X	0	1
71	MP2A	Z	-79.219	1
72	MP2A	Mx	0	1
73	MP2B	X	0	1
74	MP2B	Z	-59.52	1
75	MP2B	Mx	-.03	1
76	MP2C	X	0	1
77	MP2C	Z	-59.52	1
78	MP2C	Mx	.03	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MPRRUA	X	0	1
80	MPRRUA	Z	-79.219	1
81	MPRRUA	Mx	0	1
82	MP1B	X	0	2
83	MP1B	Z	-184.167	2
84	MP1B	Mx	.216	2
85	MP1B	X	0	5
86	MP1B	Z	-184.167	5
87	MP1B	Mx	.216	5
88	MP5B	X	0	2
89	MP5B	Z	-184.167	2
90	MP5B	Mx	.216	2
91	MP5B	X	0	5
92	MP5B	Z	-184.167	5
93	MP5B	Mx	.216	5
94	MP1A	X	0	2
95	MP1A	Z	-57.065	2
96	MP1A	Mx	-.011	2
97	MP1A	X	0	5
98	MP1A	Z	-57.065	5
99	MP1A	Mx	-.011	5
100	MP5A	X	0	2
101	MP5A	Z	-57.065	2
102	MP5A	Mx	-.011	2
103	MP5A	X	0	5
104	MP5A	Z	-57.065	5
105	MP5A	Mx	-.011	5
106	MP1C	X	0	2
107	MP1C	Z	-69.962	2
108	MP1C	Mx	-.049	2
109	MP1C	X	0	5
110	MP1C	Z	-69.962	5
111	MP1C	Mx	-.049	5
112	MP5C	X	0	2
113	MP5C	Z	-69.962	2
114	MP5C	Mx	-.067	2
115	MP5C	X	0	5
116	MP5C	Z	-69.962	5
117	MP5C	Mx	-.067	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	21.446	1
2	MPRRUB	Z	-37.146	1
3	MPRRUB	Mx	-.025	1
4	MPRRUC	X	35.069	1
5	MPRRUC	Z	-60.741	1
6	MPRRUC	Mx	.02	1
7	MP3A	X	82.8	1.5
8	MP3A	Z	-143.415	1.5
9	MP3A	Mx	-.156	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3A	X	82.8	5.5
11	MP3A	Z	-143.415	5.5
12	MP3A	Mx	-.156	5.5
13	MP3B	X	64.367	1.5
14	MP3B	Z	-111.487	1.5
15	MP3B	Mx	.07	1.5
16	MP3B	X	64.367	5.5
17	MP3B	Z	-111.487	5.5
18	MP3B	Mx	.07	5.5
19	MP3C	X	92.609	1.5
20	MP3C	Z	-160.403	1.5
21	MP3C	Mx	.074	1.5
22	MP3C	X	92.609	5.5
23	MP3C	Z	-160.403	5.5
24	MP3C	Mx	.074	5.5
25	MP3A	X	82.8	1.5
26	MP3A	Z	-143.415	1.5
27	MP3A	Mx	.014	1.5
28	MP3A	X	82.8	5.5
29	MP3A	Z	-143.415	5.5
30	MP3A	Mx	.014	5.5
31	MP3B	X	64.367	1.5
32	MP3B	Z	-111.487	1.5
33	MP3B	Mx	.099	1.5
34	MP3B	X	64.367	5.5
35	MP3B	Z	-111.487	5.5
36	MP3B	Mx	.099	5.5
37	MP3C	X	92.609	1.5
38	MP3C	Z	-160.403	1.5
39	MP3C	Mx	-.158	1.5
40	MP3C	X	92.609	5.5
41	MP3C	Z	-160.403	5.5
42	MP3C	Mx	-.158	5.5
43	MP4A	X	37.262	2.5
44	MP4A	Z	-64.54	2.5
45	MP4A	Mx	-.032	2.5
46	MP4A	X	37.262	5
47	MP4A	Z	-64.54	5
48	MP4A	Mx	-.032	5
49	MP4B	X	20.401	2.5
50	MP4B	Z	-35.335	2.5
51	MP4B	Mx	.027	2.5
52	MP4B	X	20.401	5
53	MP4B	Z	-35.335	5
54	MP4B	Mx	.027	5
55	MP4C	X	46.234	2.5
56	MP4C	Z	-80.079	2.5
57	MP4C	Mx	-.021	2.5
58	MP4C	X	46.234	5
59	MP4C	Z	-80.079	5
60	MP4C	Mx	-.021	5
61	MP3A	X	7.234	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3A	Z	-12.529	1
63	MP3A	Mx	.004	1
64	MP3B	X	5.422	1
65	MP3B	Z	-9.392	1
66	MP3B	Mx	-.006	1
67	MP3C	X	7.234	1
68	MP3C	Z	-12.529	1
69	MP3C	Mx	.004	1
70	MP2A	X	36.326	1
71	MP2A	Z	-62.919	1
72	MP2A	Mx	.021	1
73	MP2B	X	26.477	1
74	MP2B	Z	-45.86	1
75	MP2B	Mx	-.031	1
76	MP2C	X	36.326	1
77	MP2C	Z	-62.919	1
78	MP2C	Mx	.021	1
79	MPRRUA	X	35.069	1
80	MPRRUA	Z	-60.741	1
81	MPRRUA	Mx	.02	1
82	MP1B	X	91.141	2
83	MP1B	Z	-157.861	2
84	MP1B	Mx	.224	2
85	MP1B	X	91.141	5
86	MP1B	Z	-157.861	5
87	MP1B	Mx	.224	5
88	MP5B	X	91.141	2
89	MP5B	Z	-157.861	2
90	MP5B	Mx	.224	2
91	MP5B	X	91.141	5
92	MP5B	Z	-157.861	5
93	MP5B	Mx	.224	5
94	MP1A	X	39.846	2
95	MP1A	Z	-69.015	2
96	MP1A	Mx	-.058	2
97	MP1A	X	39.846	5
98	MP1A	Z	-69.015	5
99	MP1A	Mx	-.058	5
100	MP5A	X	39.846	2
101	MP5A	Z	-69.015	2
102	MP5A	Mx	-.058	2
103	MP5A	X	39.846	5
104	MP5A	Z	-69.015	5
105	MP5A	Mx	-.058	5
106	MP1C	X	31.225	2
107	MP1C	Z	-54.083	2
108	MP1C	Mx	-.02	2
109	MP1C	X	31.225	5
110	MP1C	Z	-54.083	5
111	MP1C	Mx	-.02	5
112	MP5C	X	31.225	2
113	MP5C	Z	-54.083	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
114	MP5C	Mx	-.027	2
115	MP5C	X	31.225	5
116	MP5C	Z	-54.083	5
117	MP5C	Mx	-.027	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	45.011	1
2	MPRRUB	Z	-25.987	1
3	MPRRUB	Mx	-.026	1
4	MPRRUC	X	68.606	1
5	MPRRUC	Z	-39.61	1
6	MPRRUC	Mx	0	1
7	MP3A	X	116.467	1.5
8	MP3A	Z	-67.242	1.5
9	MP3A	Mx	-.115	1.5
10	MP3A	X	116.467	5.5
11	MP3A	Z	-67.242	5.5
12	MP3A	Mx	-.115	5.5
13	MP3B	X	133.455	1.5
14	MP3B	Z	-77.05	1.5
15	MP3B	Mx	.013	1.5
16	MP3B	X	133.455	5.5
17	MP3B	Z	-77.05	5.5
18	MP3B	Mx	.013	5.5
19	MP3C	X	165.383	1.5
20	MP3C	Z	-95.484	1.5
21	MP3C	Mx	.147	1.5
22	MP3C	X	165.383	5.5
23	MP3C	Z	-95.484	5.5
24	MP3C	Mx	.147	5.5
25	MP3A	X	116.467	1.5
26	MP3A	Z	-67.242	1.5
27	MP3A	Mx	-.054	1.5
28	MP3A	X	116.467	5.5
29	MP3A	Z	-67.242	5.5
30	MP3A	Mx	-.054	5.5
31	MP3B	X	133.455	1.5
32	MP3B	Z	-77.05	1.5
33	MP3B	Mx	.145	1.5
34	MP3B	X	133.455	5.5
35	MP3B	Z	-77.05	5.5
36	MP3B	Mx	.145	5.5
37	MP3C	X	165.383	1.5
38	MP3C	Z	-95.484	1.5
39	MP3C	Mx	-.103	1.5
40	MP3C	X	165.383	5.5
41	MP3C	Z	-95.484	5.5
42	MP3C	Mx	-.103	5.5
43	MP4A	X	39.89	2.5
44	MP4A	Z	-23.031	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4A	Mx	-.029	2.5
46	MP4A	X	39.89	5
47	MP4A	Z	-23.031	5
48	MP4A	Mx	-.029	5
49	MP4B	X	55.43	2.5
50	MP4B	Z	-32.002	2.5
51	MP4B	Mx	.033	2.5
52	MP4B	X	55.43	5
53	MP4B	Z	-32.002	5
54	MP4B	Mx	.033	5
55	MP4C	X	84.634	2.5
56	MP4C	Z	-48.863	2.5
57	MP4C	Mx	.011	2.5
58	MP4C	X	84.634	5
59	MP4C	Z	-48.863	5
60	MP4C	Mx	.011	5
61	MP3A	X	10.438	1
62	MP3A	Z	-6.026	1
63	MP3A	Mx	.006	1
64	MP3B	X	10.438	1
65	MP3B	Z	-6.026	1
66	MP3B	Mx	-.006	1
67	MP3C	X	13.574	1
68	MP3C	Z	-7.837	1
69	MP3C	Mx	0	1
70	MP2A	X	51.546	1
71	MP2A	Z	-29.76	1
72	MP2A	Mx	.03	1
73	MP2B	X	51.546	1
74	MP2B	Z	-29.76	1
75	MP2B	Mx	-.03	1
76	MP2C	X	68.606	1
77	MP2C	Z	-39.61	1
78	MP2C	Mx	0	1
79	MPRRUA	X	45.011	1
80	MPRRUA	Z	-25.987	1
81	MPRRUA	Mx	.026	1
82	MP1B	X	165.064	2
83	MP1B	Z	-95.3	2
84	MP1B	Mx	.183	2
85	MP1B	X	165.064	5
86	MP1B	Z	-95.3	5
87	MP1B	Mx	.183	5
88	MP5B	X	165.064	2
89	MP5B	Z	-95.3	2
90	MP5B	Mx	.183	2
91	MP5B	X	165.064	5
92	MP5B	Z	-95.3	5
93	MP5B	Mx	.183	5
94	MP1A	X	93.051	2
95	MP1A	Z	-53.723	2
96	MP1A	Mx	-.114	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1A	X	93.051	5
98	MP1A	Z	-53.723	5
99	MP1A	Mx	-.114	5
100	MP5A	X	93.051	2
101	MP5A	Z	-53.723	2
102	MP5A	Mx	-.114	2
103	MP5A	X	93.051	5
104	MP5A	Z	-53.723	5
105	MP5A	Mx	-.114	5
106	MP1C	X	52.881	2
107	MP1C	Z	-30.531	2
108	MP1C	Mx	.01	2
109	MP1C	X	52.881	5
110	MP1C	Z	-30.531	5
111	MP1C	Mx	.01	5
112	MP5C	X	52.881	2
113	MP5C	Z	-30.531	2
114	MP5C	Mx	.013	2
115	MP5C	X	52.881	5
116	MP5C	Z	-30.531	5
117	MP5C	Mx	.013	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	70.138	1
2	MPRRUB	Z	0	1
3	MPRRUB	Mx	-.02	1
4	MPRRUC	X	70.138	1
5	MPRRUC	Z	0	1
6	MPRRUC	Mx	-.02	1
7	MP3A	X	128.734	1.5
8	MP3A	Z	0	1.5
9	MP3A	Mx	-.07	1.5
10	MP3A	X	128.734	5.5
11	MP3A	Z	0	5.5
12	MP3A	Mx	-.07	5.5
13	MP3B	X	185.217	1.5
14	MP3B	Z	0	1.5
15	MP3B	Mx	-.074	1.5
16	MP3B	X	185.217	5.5
17	MP3B	Z	0	5.5
18	MP3B	Mx	-.074	5.5
19	MP3C	X	165.601	1.5
20	MP3C	Z	0	1.5
21	MP3C	Mx	.156	1.5
22	MP3C	X	165.601	5.5
23	MP3C	Z	0	5.5
24	MP3C	Mx	.156	5.5
25	MP3A	X	128.734	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	-.099	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3A	X	128.734	5.5
29	MP3A	Z	0	5.5
30	MP3A	Mx	-.099	5.5
31	MP3B	X	185.217	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.158	1.5
34	MP3B	X	185.217	5.5
35	MP3B	Z	0	5.5
36	MP3B	Mx	.158	5.5
37	MP3C	X	165.601	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	-.014	1.5
40	MP3C	X	165.601	5.5
41	MP3C	Z	0	5.5
42	MP3C	Mx	-.014	5.5
43	MP4A	X	40.802	2.5
44	MP4A	Z	0	2.5
45	MP4A	Mx	-.027	2.5
46	MP4A	X	40.802	5
47	MP4A	Z	0	5
48	MP4A	Mx	-.027	5
49	MP4B	X	92.467	2.5
50	MP4B	Z	0	2.5
51	MP4B	Mx	.021	2.5
52	MP4B	X	92.467	5
53	MP4B	Z	0	5
54	MP4B	Mx	.021	5
55	MP4C	X	74.524	2.5
56	MP4C	Z	0	2.5
57	MP4C	Mx	.032	2.5
58	MP4C	X	74.524	5
59	MP4C	Z	0	5
60	MP4C	Mx	.032	5
61	MP3A	X	10.845	1
62	MP3A	Z	0	1
63	MP3A	Mx	.006	1
64	MP3B	X	14.467	1
65	MP3B	Z	0	1
66	MP3B	Mx	-.004	1
67	MP3C	X	14.467	1
68	MP3C	Z	0	1
69	MP3C	Mx	-.004	1
70	MP2A	X	52.954	1
71	MP2A	Z	0	1
72	MP2A	Mx	.031	1
73	MP2B	X	72.653	1
74	MP2B	Z	0	1
75	MP2B	Mx	-.021	1
76	MP2C	X	72.653	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.021	1
79	MPRRUA	X	42.893	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MPRRUA	Z	0	1
81	MPRRUA	Mx	.025	1
82	MP1B	X	200.803	2
83	MP1B	Z	0	2
84	MP1B	Mx	.086	2
85	MP1B	X	200.803	5
86	MP1B	Z	0	5
87	MP1B	Mx	.086	5
88	MP5B	X	200.803	2
89	MP5B	Z	0	2
90	MP5B	Mx	.086	2
91	MP5B	X	200.803	5
92	MP5B	Z	0	5
93	MP5B	Mx	.086	5
94	MP1A	X	112.575	2
95	MP1A	Z	0	2
96	MP1A	Mx	-.125	2
97	MP1A	X	112.575	5
98	MP1A	Z	0	5
99	MP1A	Mx	-.125	5
100	MP5A	X	112.575	2
101	MP5A	Z	0	2
102	MP5A	Mx	-.125	2
103	MP5A	X	112.575	5
104	MP5A	Z	0	5
105	MP5A	Mx	-.125	5
106	MP1C	X	67.185	2
107	MP1C	Z	0	2
108	MP1C	Mx	.04	2
109	MP1C	X	67.185	5
110	MP1C	Z	0	5
111	MP1C	Mx	.04	5
112	MP5C	X	67.185	2
113	MP5C	Z	0	2
114	MP5C	Mx	.054	2
115	MP5C	X	67.185	5
116	MP5C	Z	0	5
117	MP5C	Mx	.054	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	68.606	1
2	MPRRUB	Z	39.61	1
3	MPRRUB	Mx	0	1
4	MPRRUC	X	45.011	1
5	MPRRUC	Z	25.987	1
6	MPRRUC	Mx	-.026	1
7	MP3A	X	133.455	1.5
8	MP3A	Z	77.05	1.5
9	MP3A	Mx	-.013	1.5
10	MP3A	X	133.455	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3A	Z	77.05	5.5
12	MP3A	Mx	-.013	5.5
13	MP3B	X	165.383	1.5
14	MP3B	Z	95.484	1.5
15	MP3B	Mx	-.147	1.5
16	MP3B	X	165.383	5.5
17	MP3B	Z	95.484	5.5
18	MP3B	Mx	-.147	5.5
19	MP3C	X	116.467	1.5
20	MP3C	Z	67.242	1.5
21	MP3C	Mx	.115	1.5
22	MP3C	X	116.467	5.5
23	MP3C	Z	67.242	5.5
24	MP3C	Mx	.115	5.5
25	MP3A	X	133.455	1.5
26	MP3A	Z	77.05	1.5
27	MP3A	Mx	-.145	1.5
28	MP3A	X	133.455	5.5
29	MP3A	Z	77.05	5.5
30	MP3A	Mx	-.145	5.5
31	MP3B	X	165.383	1.5
32	MP3B	Z	95.484	1.5
33	MP3B	Mx	.103	1.5
34	MP3B	X	165.383	5.5
35	MP3B	Z	95.484	5.5
36	MP3B	Mx	.103	5.5
37	MP3C	X	116.467	1.5
38	MP3C	Z	67.242	1.5
39	MP3C	Mx	.054	1.5
40	MP3C	X	116.467	5.5
41	MP3C	Z	67.242	5.5
42	MP3C	Mx	.054	5.5
43	MP4A	X	55.43	2.5
44	MP4A	Z	32.002	2.5
45	MP4A	Mx	-.033	2.5
46	MP4A	X	55.43	5
47	MP4A	Z	32.002	5
48	MP4A	Mx	-.033	5
49	MP4B	X	84.634	2.5
50	MP4B	Z	48.863	2.5
51	MP4B	Mx	-.011	2.5
52	MP4B	X	84.634	5
53	MP4B	Z	48.863	5
54	MP4B	Mx	-.011	5
55	MP4C	X	39.89	2.5
56	MP4C	Z	23.031	2.5
57	MP4C	Mx	.029	2.5
58	MP4C	X	39.89	5
59	MP4C	Z	23.031	5
60	MP4C	Mx	.029	5
61	MP3A	X	10.438	1
62	MP3A	Z	6.026	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3A	Mx	.006	1
64	MP3B	X	13.574	1
65	MP3B	Z	7.837	1
66	MP3B	Mx	0	1
67	MP3C	X	10.438	1
68	MP3C	Z	6.026	1
69	MP3C	Mx	-.006	1
70	MP2A	X	51.546	1
71	MP2A	Z	29.76	1
72	MP2A	Mx	.03	1
73	MP2B	X	68.606	1
74	MP2B	Z	39.61	1
75	MP2B	Mx	0	1
76	MP2C	X	51.546	1
77	MP2C	Z	29.76	1
78	MP2C	Mx	-.03	1
79	MPRRUA	X	45.011	1
80	MPRRUA	Z	25.987	1
81	MPRRUA	Mx	.026	1
82	MP1B	X	175.534	2
83	MP1B	Z	101.344	2
84	MP1B	Mx	-.044	2
85	MP1B	X	175.534	5
86	MP1B	Z	101.344	5
87	MP1B	Mx	-.044	5
88	MP5B	X	175.534	2
89	MP5B	Z	101.344	2
90	MP5B	Mx	-.044	2
91	MP5B	X	175.534	5
92	MP5B	Z	101.344	5
93	MP5B	Mx	-.044	5
94	MP1A	X	77.898	2
95	MP1A	Z	44.975	2
96	MP1A	Mx	-.078	2
97	MP1A	X	77.898	5
98	MP1A	Z	44.975	5
99	MP1A	Mx	-.078	5
100	MP5A	X	77.898	2
101	MP5A	Z	44.975	2
102	MP5A	Mx	-.078	2
103	MP5A	X	77.898	5
104	MP5A	Z	44.975	5
105	MP5A	Mx	-.078	5
106	MP1C	X	64.69	2
107	MP1C	Z	37.349	2
108	MP1C	Mx	.064	2
109	MP1C	X	64.69	5
110	MP1C	Z	37.349	5
111	MP1C	Mx	.064	5
112	MP5C	X	64.69	2
113	MP5C	Z	37.349	2
114	MP5C	Mx	.088	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP5C	X	64.69	5
116	MP5C	Z	37.349	5
117	MP5C	Mx	.088	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	35.069	1
2	MPRRUB	Z	60.741	1
3	MPRRUB	Mx	.02	1
4	MPRRUC	X	21.446	1
5	MPRRUC	Z	37.146	1
6	MPRRUC	Mx	-.025	1
7	MP3A	X	92.609	1.5
8	MP3A	Z	160.403	1.5
9	MP3A	Mx	.074	1.5
10	MP3A	X	92.609	5.5
11	MP3A	Z	160.403	5.5
12	MP3A	Mx	.074	5.5
13	MP3B	X	82.8	1.5
14	MP3B	Z	143.415	1.5
15	MP3B	Mx	-.156	1.5
16	MP3B	X	82.8	5.5
17	MP3B	Z	143.415	5.5
18	MP3B	Mx	-.156	5.5
19	MP3C	X	64.367	1.5
20	MP3C	Z	111.487	1.5
21	MP3C	Mx	.07	1.5
22	MP3C	X	64.367	5.5
23	MP3C	Z	111.487	5.5
24	MP3C	Mx	.07	5.5
25	MP3A	X	92.609	1.5
26	MP3A	Z	160.403	1.5
27	MP3A	Mx	-.158	1.5
28	MP3A	X	92.609	5.5
29	MP3A	Z	160.403	5.5
30	MP3A	Mx	-.158	5.5
31	MP3B	X	82.8	1.5
32	MP3B	Z	143.415	1.5
33	MP3B	Mx	.014	1.5
34	MP3B	X	82.8	5.5
35	MP3B	Z	143.415	5.5
36	MP3B	Mx	.014	5.5
37	MP3C	X	64.367	1.5
38	MP3C	Z	111.487	1.5
39	MP3C	Mx	.099	1.5
40	MP3C	X	64.367	5.5
41	MP3C	Z	111.487	5.5
42	MP3C	Mx	.099	5.5
43	MP4A	X	46.234	2.5
44	MP4A	Z	80.079	2.5
45	MP4A	Mx	-.021	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4A	X	46.234	5
47	MP4A	Z	80.079	5
48	MP4A	Mx	-.021	5
49	MP4B	X	37.262	2.5
50	MP4B	Z	64.54	2.5
51	MP4B	Mx	-.032	2.5
52	MP4B	X	37.262	5
53	MP4B	Z	64.54	5
54	MP4B	Mx	-.032	5
55	MP4C	X	20.401	2.5
56	MP4C	Z	35.335	2.5
57	MP4C	Mx	.027	2.5
58	MP4C	X	20.401	5
59	MP4C	Z	35.335	5
60	MP4C	Mx	.027	5
61	MP3A	X	7.234	1
62	MP3A	Z	12.529	1
63	MP3A	Mx	.004	1
64	MP3B	X	7.234	1
65	MP3B	Z	12.529	1
66	MP3B	Mx	.004	1
67	MP3C	X	5.422	1
68	MP3C	Z	9.392	1
69	MP3C	Mx	-.006	1
70	MP2A	X	36.326	1
71	MP2A	Z	62.919	1
72	MP2A	Mx	.021	1
73	MP2B	X	36.326	1
74	MP2B	Z	62.919	1
75	MP2B	Mx	.021	1
76	MP2C	X	26.477	1
77	MP2C	Z	45.86	1
78	MP2C	Mx	-.031	1
79	MPRRUA	X	35.069	1
80	MPRRUA	Z	60.741	1
81	MPRRUA	Mx	.02	1
82	MP1B	X	97.185	2
83	MP1B	Z	168.33	2
84	MP1B	Mx	-.156	2
85	MP1B	X	97.185	5
86	MP1B	Z	168.33	5
87	MP1B	Mx	-.156	5
88	MP5B	X	97.185	2
89	MP5B	Z	168.33	2
90	MP5B	Mx	-.156	2
91	MP5B	X	97.185	5
92	MP5B	Z	168.33	5
93	MP5B	Mx	-.156	5
94	MP1A	X	31.097	2
95	MP1A	Z	53.862	2
96	MP1A	Mx	-.024	2
97	MP1A	X	31.097	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP1A	Z	53.862	5
99	MP1A	Mx	-.024	5
100	MP5A	X	31.097	2
101	MP5A	Z	53.862	2
102	MP5A	Mx	-.024	2
103	MP5A	X	31.097	5
104	MP5A	Z	53.862	5
105	MP5A	Mx	-.024	5
106	MP1C	X	38.043	2
107	MP1C	Z	65.892	2
108	MP1C	Mx	.069	2
109	MP1C	X	38.043	5
110	MP1C	Z	65.892	5
111	MP1C	Mx	.069	5
112	MP5C	X	38.043	2
113	MP5C	Z	65.892	2
114	MP5C	Mx	.094	2
115	MP5C	X	38.043	5
116	MP5C	Z	65.892	5
117	MP5C	Mx	.094	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	0	1
2	MPRRUB	Z	51.974	1
3	MPRRUB	Mx	.026	1
4	MPRRUC	X	0	1
5	MPRRUC	Z	51.974	1
6	MPRRUC	Mx	-.026	1
7	MP3A	X	0	1.5
8	MP3A	Z	190.968	1.5
9	MP3A	Mx	.147	1.5
10	MP3A	X	0	5.5
11	MP3A	Z	190.968	5.5
12	MP3A	Mx	.147	5.5
13	MP3B	X	0	1.5
14	MP3B	Z	134.484	1.5
15	MP3B	Mx	-.115	1.5
16	MP3B	X	0	5.5
17	MP3B	Z	134.484	5.5
18	MP3B	Mx	-.115	5.5
19	MP3C	X	0	1.5
20	MP3C	Z	154.101	1.5
21	MP3C	Mx	.013	1.5
22	MP3C	X	0	5.5
23	MP3C	Z	154.101	5.5
24	MP3C	Mx	.013	5.5
25	MP3A	X	0	1.5
26	MP3A	Z	190.968	1.5
27	MP3A	Mx	-.103	1.5
28	MP3A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3A	Z	190.968	5.5
30	MP3A	Mx	-.103	5.5
31	MP3B	X	0	1.5
32	MP3B	Z	134.484	1.5
33	MP3B	Mx	-.054	1.5
34	MP3B	X	0	5.5
35	MP3B	Z	134.484	5.5
36	MP3B	Mx	-.054	5.5
37	MP3C	X	0	1.5
38	MP3C	Z	154.101	1.5
39	MP3C	Mx	.145	1.5
40	MP3C	X	0	5.5
41	MP3C	Z	154.101	5.5
42	MP3C	Mx	.145	5.5
43	MP4A	X	0	2.5
44	MP4A	Z	97.727	2.5
45	MP4A	Mx	.011	2.5
46	MP4A	X	0	5
47	MP4A	Z	97.727	5
48	MP4A	Mx	.011	5
49	MP4B	X	0	2.5
50	MP4B	Z	46.061	2.5
51	MP4B	Mx	-.029	2.5
52	MP4B	X	0	5
53	MP4B	Z	46.061	5
54	MP4B	Mx	-.029	5
55	MP4C	X	0	2.5
56	MP4C	Z	64.005	2.5
57	MP4C	Mx	.033	2.5
58	MP4C	X	0	5
59	MP4C	Z	64.005	5
60	MP4C	Mx	.033	5
61	MP3A	X	0	1
62	MP3A	Z	15.674	1
63	MP3A	Mx	0	1
64	MP3B	X	0	1
65	MP3B	Z	12.052	1
66	MP3B	Mx	.006	1
67	MP3C	X	0	1
68	MP3C	Z	12.052	1
69	MP3C	Mx	-.006	1
70	MP2A	X	0	1
71	MP2A	Z	79.219	1
72	MP2A	Mx	0	1
73	MP2B	X	0	1
74	MP2B	Z	59.52	1
75	MP2B	Mx	.03	1
76	MP2C	X	0	1
77	MP2C	Z	59.52	1
78	MP2C	Mx	-.03	1
79	MPRRUA	X	0	1
80	MPRRUA	Z	79.219	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MPRRUA	Mx	0	1
82	MP1B	X	0	2
83	MP1B	Z	184.167	2
84	MP1B	Mx	-.216	2
85	MP1B	X	0	5
86	MP1B	Z	184.167	5
87	MP1B	Mx	-.216	5
88	MP5B	X	0	2
89	MP5B	Z	184.167	2
90	MP5B	Mx	-.216	2
91	MP5B	X	0	5
92	MP5B	Z	184.167	5
93	MP5B	Mx	-.216	5
94	MP1A	X	0	2
95	MP1A	Z	57.065	2
96	MP1A	Mx	.011	2
97	MP1A	X	0	5
98	MP1A	Z	57.065	5
99	MP1A	Mx	.011	5
100	MP5A	X	0	2
101	MP5A	Z	57.065	2
102	MP5A	Mx	.011	2
103	MP5A	X	0	5
104	MP5A	Z	57.065	5
105	MP5A	Mx	.011	5
106	MP1C	X	0	2
107	MP1C	Z	69.962	2
108	MP1C	Mx	.049	2
109	MP1C	X	0	5
110	MP1C	Z	69.962	5
111	MP1C	Mx	.049	5
112	MP5C	X	0	2
113	MP5C	Z	69.962	2
114	MP5C	Mx	.067	2
115	MP5C	X	0	5
116	MP5C	Z	69.962	5
117	MP5C	Mx	.067	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-21.446	1
2	MPRRUB	Z	37.146	1
3	MPRRUB	Mx	.025	1
4	MPRRUC	X	-35.069	1
5	MPRRUC	Z	60.741	1
6	MPRRUC	Mx	-.02	1
7	MP3A	X	-82.8	1.5
8	MP3A	Z	143.415	1.5
9	MP3A	Mx	.156	1.5
10	MP3A	X	-82.8	5.5
11	MP3A	Z	143.415	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3A	Mx	.156	5.5
13	MP3B	X	-64.367	1.5
14	MP3B	Z	111.487	1.5
15	MP3B	Mx	-.07	1.5
16	MP3B	X	-64.367	5.5
17	MP3B	Z	111.487	5.5
18	MP3B	Mx	-.07	5.5
19	MP3C	X	-92.609	1.5
20	MP3C	Z	160.403	1.5
21	MP3C	Mx	-.074	1.5
22	MP3C	X	-92.609	5.5
23	MP3C	Z	160.403	5.5
24	MP3C	Mx	-.074	5.5
25	MP3A	X	-82.8	1.5
26	MP3A	Z	143.415	1.5
27	MP3A	Mx	-.014	1.5
28	MP3A	X	-82.8	5.5
29	MP3A	Z	143.415	5.5
30	MP3A	Mx	-.014	5.5
31	MP3B	X	-64.367	1.5
32	MP3B	Z	111.487	1.5
33	MP3B	Mx	-.099	1.5
34	MP3B	X	-64.367	5.5
35	MP3B	Z	111.487	5.5
36	MP3B	Mx	-.099	5.5
37	MP3C	X	-92.609	1.5
38	MP3C	Z	160.403	1.5
39	MP3C	Mx	.158	1.5
40	MP3C	X	-92.609	5.5
41	MP3C	Z	160.403	5.5
42	MP3C	Mx	.158	5.5
43	MP4A	X	-37.262	2.5
44	MP4A	Z	64.54	2.5
45	MP4A	Mx	.032	2.5
46	MP4A	X	-37.262	5
47	MP4A	Z	64.54	5
48	MP4A	Mx	.032	5
49	MP4B	X	-20.401	2.5
50	MP4B	Z	35.335	2.5
51	MP4B	Mx	-.027	2.5
52	MP4B	X	-20.401	5
53	MP4B	Z	35.335	5
54	MP4B	Mx	-.027	5
55	MP4C	X	-46.234	2.5
56	MP4C	Z	80.079	2.5
57	MP4C	Mx	.021	2.5
58	MP4C	X	-46.234	5
59	MP4C	Z	80.079	5
60	MP4C	Mx	.021	5
61	MP3A	X	-7.234	1
62	MP3A	Z	12.529	1
63	MP3A	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3B	X	-5.422	1
65	MP3B	Z	9.392	1
66	MP3B	Mx	.006	1
67	MP3C	X	-7.234	1
68	MP3C	Z	12.529	1
69	MP3C	Mx	-.004	1
70	MP2A	X	-36.326	1
71	MP2A	Z	62.919	1
72	MP2A	Mx	-.021	1
73	MP2B	X	-26.477	1
74	MP2B	Z	45.86	1
75	MP2B	Mx	.031	1
76	MP2C	X	-36.326	1
77	MP2C	Z	62.919	1
78	MP2C	Mx	-.021	1
79	MPRRUA	X	-35.069	1
80	MPRRUA	Z	60.741	1
81	MPRRUA	Mx	-.02	1
82	MP1B	X	-91.141	2
83	MP1B	Z	157.861	2
84	MP1B	Mx	-.224	2
85	MP1B	X	-91.141	5
86	MP1B	Z	157.861	5
87	MP1B	Mx	-.224	5
88	MP5B	X	-91.141	2
89	MP5B	Z	157.861	2
90	MP5B	Mx	-.224	2
91	MP5B	X	-91.141	5
92	MP5B	Z	157.861	5
93	MP5B	Mx	-.224	5
94	MP1A	X	-39.846	2
95	MP1A	Z	69.015	2
96	MP1A	Mx	.058	2
97	MP1A	X	-39.846	5
98	MP1A	Z	69.015	5
99	MP1A	Mx	.058	5
100	MP5A	X	-39.846	2
101	MP5A	Z	69.015	2
102	MP5A	Mx	.058	2
103	MP5A	X	-39.846	5
104	MP5A	Z	69.015	5
105	MP5A	Mx	.058	5
106	MP1C	X	-31.225	2
107	MP1C	Z	54.083	2
108	MP1C	Mx	.02	2
109	MP1C	X	-31.225	5
110	MP1C	Z	54.083	5
111	MP1C	Mx	.02	5
112	MP5C	X	-31.225	2
113	MP5C	Z	54.083	2
114	MP5C	Mx	.027	2
115	MP5C	X	-31.225	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP5C	Z	54.083	5
117	MP5C	Mx	.027	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-45.011	1
2	MPRRUB	Z	25.987	1
3	MPRRUB	Mx	.026	1
4	MPRRUC	X	-68.606	1
5	MPRRUC	Z	39.61	1
6	MPRRUC	Mx	0	1
7	MP3A	X	-116.467	1.5
8	MP3A	Z	67.242	1.5
9	MP3A	Mx	.115	1.5
10	MP3A	X	-116.467	5.5
11	MP3A	Z	67.242	5.5
12	MP3A	Mx	.115	5.5
13	MP3B	X	-133.455	1.5
14	MP3B	Z	77.05	1.5
15	MP3B	Mx	-.013	1.5
16	MP3B	X	-133.455	5.5
17	MP3B	Z	77.05	5.5
18	MP3B	Mx	-.013	5.5
19	MP3C	X	-165.383	1.5
20	MP3C	Z	95.484	1.5
21	MP3C	Mx	-.147	1.5
22	MP3C	X	-165.383	5.5
23	MP3C	Z	95.484	5.5
24	MP3C	Mx	-.147	5.5
25	MP3A	X	-116.467	1.5
26	MP3A	Z	67.242	1.5
27	MP3A	Mx	.054	1.5
28	MP3A	X	-116.467	5.5
29	MP3A	Z	67.242	5.5
30	MP3A	Mx	.054	5.5
31	MP3B	X	-133.455	1.5
32	MP3B	Z	77.05	1.5
33	MP3B	Mx	-.145	1.5
34	MP3B	X	-133.455	5.5
35	MP3B	Z	77.05	5.5
36	MP3B	Mx	-.145	5.5
37	MP3C	X	-165.383	1.5
38	MP3C	Z	95.484	1.5
39	MP3C	Mx	.103	1.5
40	MP3C	X	-165.383	5.5
41	MP3C	Z	95.484	5.5
42	MP3C	Mx	.103	5.5
43	MP4A	X	-39.89	2.5
44	MP4A	Z	23.031	2.5
45	MP4A	Mx	.029	2.5
46	MP4A	X	-39.89	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4A	Z	23.031	5
48	MP4A	Mx	.029	5
49	MP4B	X	-55.43	2.5
50	MP4B	Z	32.002	2.5
51	MP4B	Mx	-.033	2.5
52	MP4B	X	-55.43	5
53	MP4B	Z	32.002	5
54	MP4B	Mx	-.033	5
55	MP4C	X	-84.634	2.5
56	MP4C	Z	48.863	2.5
57	MP4C	Mx	-.011	2.5
58	MP4C	X	-84.634	5
59	MP4C	Z	48.863	5
60	MP4C	Mx	-.011	5
61	MP3A	X	-10.438	1
62	MP3A	Z	6.026	1
63	MP3A	Mx	-.006	1
64	MP3B	X	-10.438	1
65	MP3B	Z	6.026	1
66	MP3B	Mx	.006	1
67	MP3C	X	-13.574	1
68	MP3C	Z	7.837	1
69	MP3C	Mx	0	1
70	MP2A	X	-51.546	1
71	MP2A	Z	29.76	1
72	MP2A	Mx	-.03	1
73	MP2B	X	-51.546	1
74	MP2B	Z	29.76	1
75	MP2B	Mx	.03	1
76	MP2C	X	-68.606	1
77	MP2C	Z	39.61	1
78	MP2C	Mx	0	1
79	MPRRUA	X	-45.011	1
80	MPRRUA	Z	25.987	1
81	MPRRUA	Mx	-.026	1
82	MP1B	X	-165.064	2
83	MP1B	Z	95.3	2
84	MP1B	Mx	-.183	2
85	MP1B	X	-165.064	5
86	MP1B	Z	95.3	5
87	MP1B	Mx	-.183	5
88	MP5B	X	-165.064	2
89	MP5B	Z	95.3	2
90	MP5B	Mx	-.183	2
91	MP5B	X	-165.064	5
92	MP5B	Z	95.3	5
93	MP5B	Mx	-.183	5
94	MP1A	X	-93.051	2
95	MP1A	Z	53.723	2
96	MP1A	Mx	.114	2
97	MP1A	X	-93.051	5
98	MP1A	Z	53.723	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP1A	Mx	.114	5
100	MP5A	X	-93.051	2
101	MP5A	Z	53.723	2
102	MP5A	Mx	.114	2
103	MP5A	X	-93.051	5
104	MP5A	Z	53.723	5
105	MP5A	Mx	.114	5
106	MP1C	X	-52.881	2
107	MP1C	Z	30.531	2
108	MP1C	Mx	-.01	2
109	MP1C	X	-52.881	5
110	MP1C	Z	30.531	5
111	MP1C	Mx	-.01	5
112	MP5C	X	-52.881	2
113	MP5C	Z	30.531	2
114	MP5C	Mx	-.013	2
115	MP5C	X	-52.881	5
116	MP5C	Z	30.531	5
117	MP5C	Mx	-.013	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-70.138	1
2	MPRRUB	Z	0	1
3	MPRRUB	Mx	.02	1
4	MPRRUC	X	-70.138	1
5	MPRRUC	Z	0	1
6	MPRRUC	Mx	.02	1
7	MP3A	X	-128.734	1.5
8	MP3A	Z	0	1.5
9	MP3A	Mx	.07	1.5
10	MP3A	X	-128.734	5.5
11	MP3A	Z	0	5.5
12	MP3A	Mx	.07	5.5
13	MP3B	X	-185.217	1.5
14	MP3B	Z	0	1.5
15	MP3B	Mx	.074	1.5
16	MP3B	X	-185.217	5.5
17	MP3B	Z	0	5.5
18	MP3B	Mx	.074	5.5
19	MP3C	X	-165.601	1.5
20	MP3C	Z	0	1.5
21	MP3C	Mx	-.156	1.5
22	MP3C	X	-165.601	5.5
23	MP3C	Z	0	5.5
24	MP3C	Mx	-.156	5.5
25	MP3A	X	-128.734	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	.099	1.5
28	MP3A	X	-128.734	5.5
29	MP3A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3A	Mx	.099	5.5
31	MP3B	X	-185.217	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.158	1.5
34	MP3B	X	-185.217	5.5
35	MP3B	Z	0	5.5
36	MP3B	Mx	-.158	5.5
37	MP3C	X	-165.601	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	.014	1.5
40	MP3C	X	-165.601	5.5
41	MP3C	Z	0	5.5
42	MP3C	Mx	.014	5.5
43	MP4A	X	-40.802	2.5
44	MP4A	Z	0	2.5
45	MP4A	Mx	.027	2.5
46	MP4A	X	-40.802	5
47	MP4A	Z	0	5
48	MP4A	Mx	.027	5
49	MP4B	X	-92.467	2.5
50	MP4B	Z	0	2.5
51	MP4B	Mx	-.021	2.5
52	MP4B	X	-92.467	5
53	MP4B	Z	0	5
54	MP4B	Mx	-.021	5
55	MP4C	X	-74.524	2.5
56	MP4C	Z	0	2.5
57	MP4C	Mx	-.032	2.5
58	MP4C	X	-74.524	5
59	MP4C	Z	0	5
60	MP4C	Mx	-.032	5
61	MP3A	X	-10.845	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.006	1
64	MP3B	X	-14.467	1
65	MP3B	Z	0	1
66	MP3B	Mx	.004	1
67	MP3C	X	-14.467	1
68	MP3C	Z	0	1
69	MP3C	Mx	.004	1
70	MP2A	X	-52.954	1
71	MP2A	Z	0	1
72	MP2A	Mx	-.031	1
73	MP2B	X	-72.653	1
74	MP2B	Z	0	1
75	MP2B	Mx	.021	1
76	MP2C	X	-72.653	1
77	MP2C	Z	0	1
78	MP2C	Mx	.021	1
79	MPRRUA	X	-42.893	1
80	MPRRUA	Z	0	1
81	MPRRUA	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1B	X	-200.803	2
83	MP1B	Z	0	2
84	MP1B	Mx	-.086	2
85	MP1B	X	-200.803	5
86	MP1B	Z	0	5
87	MP1B	Mx	-.086	5
88	MP5B	X	-200.803	2
89	MP5B	Z	0	2
90	MP5B	Mx	-.086	2
91	MP5B	X	-200.803	5
92	MP5B	Z	0	5
93	MP5B	Mx	-.086	5
94	MP1A	X	-112.575	2
95	MP1A	Z	0	2
96	MP1A	Mx	.125	2
97	MP1A	X	-112.575	5
98	MP1A	Z	0	5
99	MP1A	Mx	.125	5
100	MP5A	X	-112.575	2
101	MP5A	Z	0	2
102	MP5A	Mx	.125	2
103	MP5A	X	-112.575	5
104	MP5A	Z	0	5
105	MP5A	Mx	.125	5
106	MP1C	X	-67.185	2
107	MP1C	Z	0	2
108	MP1C	Mx	-.04	2
109	MP1C	X	-67.185	5
110	MP1C	Z	0	5
111	MP1C	Mx	-.04	5
112	MP5C	X	-67.185	2
113	MP5C	Z	0	2
114	MP5C	Mx	-.054	2
115	MP5C	X	-67.185	5
116	MP5C	Z	0	5
117	MP5C	Mx	-.054	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-68.606	1
2	MPRRUB	Z	-39.61	1
3	MPRRUB	Mx	0	1
4	MPRRUC	X	-45.011	1
5	MPRRUC	Z	-25.987	1
6	MPRRUC	Mx	.026	1
7	MP3A	X	-133.455	1.5
8	MP3A	Z	-77.05	1.5
9	MP3A	Mx	.013	1.5
10	MP3A	X	-133.455	5.5
11	MP3A	Z	-77.05	5.5
12	MP3A	Mx	.013	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3B	X	-165.383	1.5
14	MP3B	Z	-95.484	1.5
15	MP3B	Mx	.147	1.5
16	MP3B	X	-165.383	5.5
17	MP3B	Z	-95.484	5.5
18	MP3B	Mx	.147	5.5
19	MP3C	X	-116.467	1.5
20	MP3C	Z	-67.242	1.5
21	MP3C	Mx	-.115	1.5
22	MP3C	X	-116.467	5.5
23	MP3C	Z	-67.242	5.5
24	MP3C	Mx	-.115	5.5
25	MP3A	X	-133.455	1.5
26	MP3A	Z	-77.05	1.5
27	MP3A	Mx	.145	1.5
28	MP3A	X	-133.455	5.5
29	MP3A	Z	-77.05	5.5
30	MP3A	Mx	.145	5.5
31	MP3B	X	-165.383	1.5
32	MP3B	Z	-95.484	1.5
33	MP3B	Mx	-.103	1.5
34	MP3B	X	-165.383	5.5
35	MP3B	Z	-95.484	5.5
36	MP3B	Mx	-.103	5.5
37	MP3C	X	-116.467	1.5
38	MP3C	Z	-67.242	1.5
39	MP3C	Mx	-.054	1.5
40	MP3C	X	-116.467	5.5
41	MP3C	Z	-67.242	5.5
42	MP3C	Mx	-.054	5.5
43	MP4A	X	-55.43	2.5
44	MP4A	Z	-32.002	2.5
45	MP4A	Mx	.033	2.5
46	MP4A	X	-55.43	5
47	MP4A	Z	-32.002	5
48	MP4A	Mx	.033	5
49	MP4B	X	-84.634	2.5
50	MP4B	Z	-48.863	2.5
51	MP4B	Mx	.011	2.5
52	MP4B	X	-84.634	5
53	MP4B	Z	-48.863	5
54	MP4B	Mx	.011	5
55	MP4C	X	-39.89	2.5
56	MP4C	Z	-23.031	2.5
57	MP4C	Mx	-.029	2.5
58	MP4C	X	-39.89	5
59	MP4C	Z	-23.031	5
60	MP4C	Mx	-.029	5
61	MP3A	X	-10.438	1
62	MP3A	Z	-6.026	1
63	MP3A	Mx	-.006	1
64	MP3B	X	-13.574	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	-7.837	1
66	MP3B	Mx	0	1
67	MP3C	X	-10.438	1
68	MP3C	Z	-6.026	1
69	MP3C	Mx	.006	1
70	MP2A	X	-51.546	1
71	MP2A	Z	-29.76	1
72	MP2A	Mx	-.03	1
73	MP2B	X	-68.606	1
74	MP2B	Z	-39.61	1
75	MP2B	Mx	0	1
76	MP2C	X	-51.546	1
77	MP2C	Z	-29.76	1
78	MP2C	Mx	.03	1
79	MPRRUA	X	-45.011	1
80	MPRRUA	Z	-25.987	1
81	MPRRUA	Mx	-.026	1
82	MP1B	X	-175.534	2
83	MP1B	Z	-101.344	2
84	MP1B	Mx	.044	2
85	MP1B	X	-175.534	5
86	MP1B	Z	-101.344	5
87	MP1B	Mx	.044	5
88	MP5B	X	-175.534	2
89	MP5B	Z	-101.344	2
90	MP5B	Mx	.044	2
91	MP5B	X	-175.534	5
92	MP5B	Z	-101.344	5
93	MP5B	Mx	.044	5
94	MP1A	X	-77.898	2
95	MP1A	Z	-44.975	2
96	MP1A	Mx	.078	2
97	MP1A	X	-77.898	5
98	MP1A	Z	-44.975	5
99	MP1A	Mx	.078	5
100	MP5A	X	-77.898	2
101	MP5A	Z	-44.975	2
102	MP5A	Mx	.078	2
103	MP5A	X	-77.898	5
104	MP5A	Z	-44.975	5
105	MP5A	Mx	.078	5
106	MP1C	X	-64.69	2
107	MP1C	Z	-37.349	2
108	MP1C	Mx	-.064	2
109	MP1C	X	-64.69	5
110	MP1C	Z	-37.349	5
111	MP1C	Mx	-.064	5
112	MP5C	X	-64.69	2
113	MP5C	Z	-37.349	2
114	MP5C	Mx	-.088	2
115	MP5C	X	-64.69	5
116	MP5C	Z	-37.349	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP5C	Mx	-.088	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-35.069	1
2	MPRRUB	Z	-60.741	1
3	MPRRUB	Mx	-.02	1
4	MPRRUC	X	-21.446	1
5	MPRRUC	Z	-37.146	1
6	MPRRUC	Mx	.025	1
7	MP3A	X	-92.609	1.5
8	MP3A	Z	-160.403	1.5
9	MP3A	Mx	-.074	1.5
10	MP3A	X	-92.609	5.5
11	MP3A	Z	-160.403	5.5
12	MP3A	Mx	-.074	5.5
13	MP3B	X	-82.8	1.5
14	MP3B	Z	-143.415	1.5
15	MP3B	Mx	.156	1.5
16	MP3B	X	-82.8	5.5
17	MP3B	Z	-143.415	5.5
18	MP3B	Mx	.156	5.5
19	MP3C	X	-64.367	1.5
20	MP3C	Z	-111.487	1.5
21	MP3C	Mx	-.07	1.5
22	MP3C	X	-64.367	5.5
23	MP3C	Z	-111.487	5.5
24	MP3C	Mx	-.07	5.5
25	MP3A	X	-92.609	1.5
26	MP3A	Z	-160.403	1.5
27	MP3A	Mx	.158	1.5
28	MP3A	X	-92.609	5.5
29	MP3A	Z	-160.403	5.5
30	MP3A	Mx	.158	5.5
31	MP3B	X	-82.8	1.5
32	MP3B	Z	-143.415	1.5
33	MP3B	Mx	-.014	1.5
34	MP3B	X	-82.8	5.5
35	MP3B	Z	-143.415	5.5
36	MP3B	Mx	-.014	5.5
37	MP3C	X	-64.367	1.5
38	MP3C	Z	-111.487	1.5
39	MP3C	Mx	-.099	1.5
40	MP3C	X	-64.367	5.5
41	MP3C	Z	-111.487	5.5
42	MP3C	Mx	-.099	5.5
43	MP4A	X	-46.234	2.5
44	MP4A	Z	-80.079	2.5
45	MP4A	Mx	.021	2.5
46	MP4A	X	-46.234	5
47	MP4A	Z	-80.079	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4A	Mx	.021	5
49	MP4B	X	-37.262	2.5
50	MP4B	Z	-64.54	2.5
51	MP4B	Mx	.032	2.5
52	MP4B	X	-37.262	5
53	MP4B	Z	-64.54	5
54	MP4B	Mx	.032	5
55	MP4C	X	-20.401	2.5
56	MP4C	Z	-35.335	2.5
57	MP4C	Mx	-.027	2.5
58	MP4C	X	-20.401	5
59	MP4C	Z	-35.335	5
60	MP4C	Mx	-.027	5
61	MP3A	X	-7.234	1
62	MP3A	Z	-12.529	1
63	MP3A	Mx	-.004	1
64	MP3B	X	-7.234	1
65	MP3B	Z	-12.529	1
66	MP3B	Mx	-.004	1
67	MP3C	X	-5.422	1
68	MP3C	Z	-9.392	1
69	MP3C	Mx	.006	1
70	MP2A	X	-36.326	1
71	MP2A	Z	-62.919	1
72	MP2A	Mx	-.021	1
73	MP2B	X	-36.326	1
74	MP2B	Z	-62.919	1
75	MP2B	Mx	-.021	1
76	MP2C	X	-26.477	1
77	MP2C	Z	-45.86	1
78	MP2C	Mx	.031	1
79	MPRRUA	X	-35.069	1
80	MPRRUA	Z	-60.741	1
81	MPRRUA	Mx	-.02	1
82	MP1B	X	-97.185	2
83	MP1B	Z	-168.33	2
84	MP1B	Mx	.156	2
85	MP1B	X	-97.185	5
86	MP1B	Z	-168.33	5
87	MP1B	Mx	.156	5
88	MP5B	X	-97.185	2
89	MP5B	Z	-168.33	2
90	MP5B	Mx	.156	2
91	MP5B	X	-97.185	5
92	MP5B	Z	-168.33	5
93	MP5B	Mx	.156	5
94	MP1A	X	-31.097	2
95	MP1A	Z	-53.862	2
96	MP1A	Mx	.024	2
97	MP1A	X	-31.097	5
98	MP1A	Z	-53.862	5
99	MP1A	Mx	.024	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP5A	X	-31.097	2
101	MP5A	Z	-53.862	2
102	MP5A	Mx	.024	2
103	MP5A	X	-31.097	5
104	MP5A	Z	-53.862	5
105	MP5A	Mx	.024	5
106	MP1C	X	-38.043	2
107	MP1C	Z	-65.892	2
108	MP1C	Mx	-.069	2
109	MP1C	X	-38.043	5
110	MP1C	Z	-65.892	5
111	MP1C	Mx	-.069	5
112	MP5C	X	-38.043	2
113	MP5C	Z	-65.892	2
114	MP5C	Mx	-.094	2
115	MP5C	X	-38.043	5
116	MP5C	Z	-65.892	5
117	MP5C	Mx	-.094	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	0	1
2	MPRRUB	Z	-10.864	1
3	MPRRUB	Mx	-.005	1
4	MPRRUC	X	0	1
5	MPRRUC	Z	-10.864	1
6	MPRRUC	Mx	.005	1
7	MP3A	X	0	1.5
8	MP3A	Z	-35.12	1.5
9	MP3A	Mx	-.027	1.5
10	MP3A	X	0	5.5
11	MP3A	Z	-35.12	5.5
12	MP3A	Mx	-.027	5.5
13	MP3B	X	0	1.5
14	MP3B	Z	-25.495	1.5
15	MP3B	Mx	.022	1.5
16	MP3B	X	0	5.5
17	MP3B	Z	-25.495	5.5
18	MP3B	Mx	.022	5.5
19	MP3C	X	0	1.5
20	MP3C	Z	-28.838	1.5
21	MP3C	Mx	-.002	1.5
22	MP3C	X	0	5.5
23	MP3C	Z	-28.838	5.5
24	MP3C	Mx	-.002	5.5
25	MP3A	X	0	1.5
26	MP3A	Z	-35.12	1.5
27	MP3A	Mx	.019	1.5
28	MP3A	X	0	5.5
29	MP3A	Z	-35.12	5.5
30	MP3A	Mx	.019	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3B	X	0	1.5
32	MP3B	Z	-25.495	1.5
33	MP3B	Mx	.01	1.5
34	MP3B	X	0	5.5
35	MP3B	Z	-25.495	5.5
36	MP3B	Mx	.01	5.5
37	MP3C	X	0	1.5
38	MP3C	Z	-28.838	1.5
39	MP3C	Mx	-.027	1.5
40	MP3C	X	0	5.5
41	MP3C	Z	-28.838	5.5
42	MP3C	Mx	-.027	5.5
43	MP4A	X	0	2.5
44	MP4A	Z	-18.525	2.5
45	MP4A	Mx	-.002	2.5
46	MP4A	X	0	5
47	MP4A	Z	-18.525	5
48	MP4A	Mx	-.002	5
49	MP4B	X	0	2.5
50	MP4B	Z	-9.285	2.5
51	MP4B	Mx	.006	2.5
52	MP4B	X	0	5
53	MP4B	Z	-9.285	5
54	MP4B	Mx	.006	5
55	MP4C	X	0	2.5
56	MP4C	Z	-12.494	2.5
57	MP4C	Mx	-.006	2.5
58	MP4C	X	0	5
59	MP4C	Z	-12.494	5
60	MP4C	Mx	-.006	5
61	MP3A	X	0	1
62	MP3A	Z	-3.84	1
63	MP3A	Mx	0	1
64	MP3B	X	0	1
65	MP3B	Z	-3.119	1
66	MP3B	Mx	-.002	1
67	MP3C	X	0	1
68	MP3C	Z	-3.119	1
69	MP3C	Mx	.002	1
70	MP2A	X	0	1
71	MP2A	Z	-15.873	1
72	MP2A	Mx	0	1
73	MP2B	X	0	1
74	MP2B	Z	-12.243	1
75	MP2B	Mx	-.006	1
76	MP2C	X	0	1
77	MP2C	Z	-12.243	1
78	MP2C	Mx	.006	1
79	MPRRUA	X	0	1
80	MPRRUA	Z	-15.873	1
81	MPRRUA	Mx	0	1
82	MP1B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1B	Z	-33.907	2
84	MP1B	Mx	.04	2
85	MP1B	X	0	5
86	MP1B	Z	-33.907	5
87	MP1B	Mx	.04	5
88	MP5B	X	0	2
89	MP5B	Z	-33.907	2
90	MP5B	Mx	.04	2
91	MP5B	X	0	5
92	MP5B	Z	-33.907	5
93	MP5B	Mx	.04	5
94	MP1A	X	0	2
95	MP1A	Z	-11.529	2
96	MP1A	Mx	-.002	2
97	MP1A	X	0	5
98	MP1A	Z	-11.529	5
99	MP1A	Mx	-.002	5
100	MP5A	X	0	2
101	MP5A	Z	-11.529	2
102	MP5A	Mx	-.002	2
103	MP5A	X	0	5
104	MP5A	Z	-11.529	5
105	MP5A	Mx	-.002	5
106	MP1C	X	0	2
107	MP1C	Z	-13.728	2
108	MP1C	Mx	-.01	2
109	MP1C	X	0	5
110	MP1C	Z	-13.728	5
111	MP1C	Mx	-.01	5
112	MP5C	X	0	2
113	MP5C	Z	-13.728	2
114	MP5C	Mx	-.013	2
115	MP5C	X	0	5
116	MP5C	Z	-13.728	5
117	MP5C	Mx	-.013	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	4.597	1
2	MPRRUB	Z	-7.963	1
3	MPRRUB	Mx	-.005	1
4	MPRRUC	X	7.102	1
5	MPRRUC	Z	-12.3	1
6	MPRRUC	Mx	.004	1
7	MP3A	X	15.399	1.5
8	MP3A	Z	-26.671	1.5
9	MP3A	Mx	-.029	1.5
10	MP3A	X	15.399	5.5
11	MP3A	Z	-26.671	5.5
12	MP3A	Mx	-.029	5.5
13	MP3B	X	12.257	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3B	Z	-21.23	1.5
15	MP3B	Mx	.013	1.5
16	MP3B	X	12.257	5.5
17	MP3B	Z	-21.23	5.5
18	MP3B	Mx	.013	5.5
19	MP3C	X	17.07	1.5
20	MP3C	Z	-29.567	1.5
21	MP3C	Mx	.014	1.5
22	MP3C	X	17.07	5.5
23	MP3C	Z	-29.567	5.5
24	MP3C	Mx	.014	5.5
25	MP3A	X	15.399	1.5
26	MP3A	Z	-26.671	1.5
27	MP3A	Mx	.003	1.5
28	MP3A	X	15.399	5.5
29	MP3A	Z	-26.671	5.5
30	MP3A	Mx	.003	5.5
31	MP3B	X	12.257	1.5
32	MP3B	Z	-21.23	1.5
33	MP3B	Mx	.019	1.5
34	MP3B	X	12.257	5.5
35	MP3B	Z	-21.23	5.5
36	MP3B	Mx	.019	5.5
37	MP3C	X	17.07	1.5
38	MP3C	Z	-29.567	1.5
39	MP3C	Mx	-.029	1.5
40	MP3C	X	17.07	5.5
41	MP3C	Z	-29.567	5.5
42	MP3C	Mx	-.029	5.5
43	MP4A	X	7.188	2.5
44	MP4A	Z	-12.45	2.5
45	MP4A	Mx	-.006	2.5
46	MP4A	X	7.188	5
47	MP4A	Z	-12.45	5
48	MP4A	Mx	-.006	5
49	MP4B	X	4.172	2.5
50	MP4B	Z	-7.227	2.5
51	MP4B	Mx	.005	2.5
52	MP4B	X	4.172	5
53	MP4B	Z	-7.227	5
54	MP4B	Mx	.005	5
55	MP4C	X	8.792	2.5
56	MP4C	Z	-15.229	2.5
57	MP4C	Mx	-.004	2.5
58	MP4C	X	8.792	5
59	MP4C	Z	-15.229	5
60	MP4C	Mx	-.004	5
61	MP3A	X	1.8	1
62	MP3A	Z	-3.117	1
63	MP3A	Mx	.001	1
64	MP3B	X	1.439	1
65	MP3B	Z	-2.492	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	-.002	1
67	MP3C	X	1.8	1
68	MP3C	Z	-3.117	1
69	MP3C	Mx	.001	1
70	MP2A	X	7.332	1
71	MP2A	Z	-12.699	1
72	MP2A	Mx	.004	1
73	MP2B	X	5.517	1
74	MP2B	Z	-9.555	1
75	MP2B	Mx	-.006	1
76	MP2C	X	7.332	1
77	MP2C	Z	-12.699	1
78	MP2C	Mx	.004	1
79	MPRRUA	X	7.102	1
80	MPRRUA	Z	-12.3	1
81	MPRRUA	Mx	.004	1
82	MP1B	X	16.791	2
83	MP1B	Z	-29.083	2
84	MP1B	Mx	.041	2
85	MP1B	X	16.791	5
86	MP1B	Z	-29.083	5
87	MP1B	Mx	.041	5
88	MP5B	X	16.791	2
89	MP5B	Z	-29.083	2
90	MP5B	Mx	.041	2
91	MP5B	X	16.791	5
92	MP5B	Z	-29.083	5
93	MP5B	Mx	.041	5
94	MP1A	X	7.726	2
95	MP1A	Z	-13.382	2
96	MP1A	Mx	-.011	2
97	MP1A	X	7.726	5
98	MP1A	Z	-13.382	5
99	MP1A	Mx	-.011	5
100	MP5A	X	7.726	2
101	MP5A	Z	-13.382	2
102	MP5A	Mx	-.011	2
103	MP5A	X	7.726	5
104	MP5A	Z	-13.382	5
105	MP5A	Mx	-.011	5
106	MP1C	X	6.224	2
107	MP1C	Z	-10.78	2
108	MP1C	Mx	-.004	2
109	MP1C	X	6.224	5
110	MP1C	Z	-10.78	5
111	MP1C	Mx	-.004	5
112	MP5C	X	6.224	2
113	MP5C	Z	-10.78	2
114	MP5C	Mx	-.005	2
115	MP5C	X	6.224	5
116	MP5C	Z	-10.78	5
117	MP5C	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	9.409	1
2	MPRRUB	Z	-5.432	1
3	MPRRUB	Mx	-.005	1
4	MPRRUC	X	13.746	1
5	MPRRUC	Z	-7.936	1
6	MPRRUC	Mx	0	1
7	MP3A	X	22.079	1.5
8	MP3A	Z	-12.747	1.5
9	MP3A	Mx	-.022	1.5
10	MP3A	X	22.079	5.5
11	MP3A	Z	-12.747	5.5
12	MP3A	Mx	-.022	5.5
13	MP3B	X	24.974	1.5
14	MP3B	Z	-14.419	1.5
15	MP3B	Mx	.002	1.5
16	MP3B	X	24.974	5.5
17	MP3B	Z	-14.419	5.5
18	MP3B	Mx	.002	5.5
19	MP3C	X	30.415	1.5
20	MP3C	Z	-17.56	1.5
21	MP3C	Mx	.027	1.5
22	MP3C	X	30.415	5.5
23	MP3C	Z	-17.56	5.5
24	MP3C	Mx	.027	5.5
25	MP3A	X	22.079	1.5
26	MP3A	Z	-12.747	1.5
27	MP3A	Mx	-.01	1.5
28	MP3A	X	22.079	5.5
29	MP3A	Z	-12.747	5.5
30	MP3A	Mx	-.01	5.5
31	MP3B	X	24.974	1.5
32	MP3B	Z	-14.419	1.5
33	MP3B	Mx	.027	1.5
34	MP3B	X	24.974	5.5
35	MP3B	Z	-14.419	5.5
36	MP3B	Mx	.027	5.5
37	MP3C	X	30.415	1.5
38	MP3C	Z	-17.56	1.5
39	MP3C	Mx	-.019	1.5
40	MP3C	X	30.415	5.5
41	MP3C	Z	-17.56	5.5
42	MP3C	Mx	-.019	5.5
43	MP4A	X	8.041	2.5
44	MP4A	Z	-4.643	2.5
45	MP4A	Mx	-.006	2.5
46	MP4A	X	8.041	5
47	MP4A	Z	-4.643	5
48	MP4A	Mx	-.006	5
49	MP4B	X	10.82	2.5
50	MP4B	Z	-6.247	2.5
51	MP4B	Mx	.006	2.5
52	MP4B	X	10.82	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4B	Z	-6.247	5
54	MP4B	Mx	.006	5
55	MP4C	X	16.043	2.5
56	MP4C	Z	-9.262	2.5
57	MP4C	Mx	.002	2.5
58	MP4C	X	16.043	5
59	MP4C	Z	-9.262	5
60	MP4C	Mx	.002	5
61	MP3A	X	2.701	1
62	MP3A	Z	-1.559	1
63	MP3A	Mx	.002	1
64	MP3B	X	2.701	1
65	MP3B	Z	-1.559	1
66	MP3B	Mx	-.002	1
67	MP3C	X	3.325	1
68	MP3C	Z	-1.92	1
69	MP3C	Mx	0	1
70	MP2A	X	10.603	1
71	MP2A	Z	-6.122	1
72	MP2A	Mx	.006	1
73	MP2B	X	10.603	1
74	MP2B	Z	-6.122	1
75	MP2B	Mx	-.006	1
76	MP2C	X	13.746	1
77	MP2C	Z	-7.936	1
78	MP2C	Mx	0	1
79	MPRRUA	X	9.409	1
80	MPRRUA	Z	-5.432	1
81	MPRRUA	Mx	.005	1
82	MP1B	X	30.323	2
83	MP1B	Z	-17.507	2
84	MP1B	Mx	.034	2
85	MP1B	X	30.323	5
86	MP1B	Z	-17.507	5
87	MP1B	Mx	.034	5
88	MP5B	X	30.323	2
89	MP5B	Z	-17.507	2
90	MP5B	Mx	.034	2
91	MP5B	X	30.323	5
92	MP5B	Z	-17.507	5
93	MP5B	Mx	.034	5
94	MP1A	X	17.549	2
95	MP1A	Z	-10.132	2
96	MP1A	Mx	-.021	2
97	MP1A	X	17.549	5
98	MP1A	Z	-10.132	5
99	MP1A	Mx	-.021	5
100	MP5A	X	17.549	2
101	MP5A	Z	-10.132	2
102	MP5A	Mx	-.021	2
103	MP5A	X	17.549	5
104	MP5A	Z	-10.132	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5A	Mx	-.021	5
106	MP1C	X	10.575	2
107	MP1C	Z	-6.105	2
108	MP1C	Mx	.002	2
109	MP1C	X	10.575	5
110	MP1C	Z	-6.105	5
111	MP1C	Mx	.002	5
112	MP5C	X	10.575	2
113	MP5C	Z	-6.105	2
114	MP5C	Mx	.003	2
115	MP5C	X	10.575	5
116	MP5C	Z	-6.105	5
117	MP5C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	14.203	1
2	MPRRUB	Z	0	1
3	MPRRUB	Mx	-.004	1
4	MPRRUC	X	14.203	1
5	MPRRUC	Z	0	1
6	MPRRUC	Mx	-.004	1
7	MP3A	X	24.515	1.5
8	MP3A	Z	0	1.5
9	MP3A	Mx	-.013	1.5
10	MP3A	X	24.515	5.5
11	MP3A	Z	0	5.5
12	MP3A	Mx	-.013	5.5
13	MP3B	X	34.141	1.5
14	MP3B	Z	0	1.5
15	MP3B	Mx	-.014	1.5
16	MP3B	X	34.141	5.5
17	MP3B	Z	0	5.5
18	MP3B	Mx	-.014	5.5
19	MP3C	X	30.797	1.5
20	MP3C	Z	0	1.5
21	MP3C	Mx	.029	1.5
22	MP3C	X	30.797	5.5
23	MP3C	Z	0	5.5
24	MP3C	Mx	.029	5.5
25	MP3A	X	24.515	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	-.019	1.5
28	MP3A	X	24.515	5.5
29	MP3A	Z	0	5.5
30	MP3A	Mx	-.019	5.5
31	MP3B	X	34.141	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.029	1.5
34	MP3B	X	34.141	5.5
35	MP3B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3B	Mx	.029	5.5
37	MP3C	X	30.797	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	-.003	1.5
40	MP3C	X	30.797	5.5
41	MP3C	Z	0	5.5
42	MP3C	Mx	-.003	5.5
43	MP4A	X	8.345	2.5
44	MP4A	Z	0	2.5
45	MP4A	Mx	-.005	2.5
46	MP4A	X	8.345	5
47	MP4A	Z	0	5
48	MP4A	Mx	-.005	5
49	MP4B	X	17.584	2.5
50	MP4B	Z	0	2.5
51	MP4B	Mx	.004	2.5
52	MP4B	X	17.584	5
53	MP4B	Z	0	5
54	MP4B	Mx	.004	5
55	MP4C	X	14.376	2.5
56	MP4C	Z	0	2.5
57	MP4C	Mx	.006	2.5
58	MP4C	X	14.376	5
59	MP4C	Z	0	5
60	MP4C	Mx	.006	5
61	MP3A	X	2.878	1
62	MP3A	Z	0	1
63	MP3A	Mx	.002	1
64	MP3B	X	3.599	1
65	MP3B	Z	0	1
66	MP3B	Mx	-.001	1
67	MP3C	X	3.599	1
68	MP3C	Z	0	1
69	MP3C	Mx	-.001	1
70	MP2A	X	11.034	1
71	MP2A	Z	0	1
72	MP2A	Mx	.006	1
73	MP2B	X	14.663	1
74	MP2B	Z	0	1
75	MP2B	Mx	-.004	1
76	MP2C	X	14.663	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.004	1
79	MPRRUA	X	9.195	1
80	MPRRUA	Z	0	1
81	MPRRUA	Mx	.005	1
82	MP1B	X	36.771	2
83	MP1B	Z	0	2
84	MP1B	Mx	.016	2
85	MP1B	X	36.771	5
86	MP1B	Z	0	5
87	MP1B	Mx	.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP5B	X	36.771	2
89	MP5B	Z	0	2
90	MP5B	Mx	.016	2
91	MP5B	X	36.771	5
92	MP5B	Z	0	5
93	MP5B	Mx	.016	5
94	MP1A	X	21.153	2
95	MP1A	Z	0	2
96	MP1A	Mx	-.023	2
97	MP1A	X	21.153	5
98	MP1A	Z	0	5
99	MP1A	Mx	-.023	5
100	MP5A	X	21.153	2
101	MP5A	Z	0	2
102	MP5A	Mx	-.023	2
103	MP5A	X	21.153	5
104	MP5A	Z	0	5
105	MP5A	Mx	-.023	5
106	MP1C	X	13.255	2
107	MP1C	Z	0	2
108	MP1C	Mx	.008	2
109	MP1C	X	13.255	5
110	MP1C	Z	0	5
111	MP1C	Mx	.008	5
112	MP5C	X	13.255	2
113	MP5C	Z	0	2
114	MP5C	Mx	.011	2
115	MP5C	X	13.255	5
116	MP5C	Z	0	5
117	MP5C	Mx	.011	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	13.746	1
2	MPRRUB	Z	7.936	1
3	MPRRUB	Mx	0	1
4	MPRRUC	X	9.409	1
5	MPRRUC	Z	5.432	1
6	MPRRUC	Mx	-.005	1
7	MP3A	X	24.974	1.5
8	MP3A	Z	14.419	1.5
9	MP3A	Mx	-.002	1.5
10	MP3A	X	24.974	5.5
11	MP3A	Z	14.419	5.5
12	MP3A	Mx	-.002	5.5
13	MP3B	X	30.415	1.5
14	MP3B	Z	17.56	1.5
15	MP3B	Mx	-.027	1.5
16	MP3B	X	30.415	5.5
17	MP3B	Z	17.56	5.5
18	MP3B	Mx	-.027	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3C	X	22.079	1.5
20	MP3C	Z	12.747	1.5
21	MP3C	Mx	.022	1.5
22	MP3C	X	22.079	5.5
23	MP3C	Z	12.747	5.5
24	MP3C	Mx	.022	5.5
25	MP3A	X	24.974	1.5
26	MP3A	Z	14.419	1.5
27	MP3A	Mx	-.027	1.5
28	MP3A	X	24.974	5.5
29	MP3A	Z	14.419	5.5
30	MP3A	Mx	-.027	5.5
31	MP3B	X	30.415	1.5
32	MP3B	Z	17.56	1.5
33	MP3B	Mx	.019	1.5
34	MP3B	X	30.415	5.5
35	MP3B	Z	17.56	5.5
36	MP3B	Mx	.019	5.5
37	MP3C	X	22.079	1.5
38	MP3C	Z	12.747	1.5
39	MP3C	Mx	.01	1.5
40	MP3C	X	22.079	5.5
41	MP3C	Z	12.747	5.5
42	MP3C	Mx	.01	5.5
43	MP4A	X	10.82	2.5
44	MP4A	Z	6.247	2.5
45	MP4A	Mx	-.006	2.5
46	MP4A	X	10.82	5
47	MP4A	Z	6.247	5
48	MP4A	Mx	-.006	5
49	MP4B	X	16.043	2.5
50	MP4B	Z	9.262	2.5
51	MP4B	Mx	-.002	2.5
52	MP4B	X	16.043	5
53	MP4B	Z	9.262	5
54	MP4B	Mx	-.002	5
55	MP4C	X	8.041	2.5
56	MP4C	Z	4.643	2.5
57	MP4C	Mx	.006	2.5
58	MP4C	X	8.041	5
59	MP4C	Z	4.643	5
60	MP4C	Mx	.006	5
61	MP3A	X	2.701	1
62	MP3A	Z	1.559	1
63	MP3A	Mx	.002	1
64	MP3B	X	3.325	1
65	MP3B	Z	1.92	1
66	MP3B	Mx	0	1
67	MP3C	X	2.701	1
68	MP3C	Z	1.559	1
69	MP3C	Mx	-.002	1
70	MP2A	X	10.603	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2A	Z	6.122	1
72	MP2A	Mx	.006	1
73	MP2B	X	13.746	1
74	MP2B	Z	7.936	1
75	MP2B	Mx	0	1
76	MP2C	X	10.603	1
77	MP2C	Z	6.122	1
78	MP2C	Mx	-.006	1
79	MPRRUA	X	9.409	1
80	MPRRUA	Z	5.432	1
81	MPRRUA	Mx	.005	1
82	MP1B	X	32.126	2
83	MP1B	Z	18.548	2
84	MP1B	Mx	-.008	2
85	MP1B	X	32.126	5
86	MP1B	Z	18.548	5
87	MP1B	Mx	-.008	5
88	MP5B	X	32.126	2
89	MP5B	Z	18.548	2
90	MP5B	Mx	-.008	2
91	MP5B	X	32.126	5
92	MP5B	Z	18.548	5
93	MP5B	Mx	-.008	5
94	MP1A	X	14.922	2
95	MP1A	Z	8.615	2
96	MP1A	Mx	-.015	2
97	MP1A	X	14.922	5
98	MP1A	Z	8.615	5
99	MP1A	Mx	-.015	5
100	MP5A	X	14.922	2
101	MP5A	Z	8.615	2
102	MP5A	Mx	-.015	2
103	MP5A	X	14.922	5
104	MP5A	Z	8.615	5
105	MP5A	Mx	-.015	5
106	MP1C	X	12.588	2
107	MP1C	Z	7.268	2
108	MP1C	Mx	.013	2
109	MP1C	X	12.588	5
110	MP1C	Z	7.268	5
111	MP1C	Mx	.013	5
112	MP5C	X	12.588	2
113	MP5C	Z	7.268	2
114	MP5C	Mx	.017	2
115	MP5C	X	12.588	5
116	MP5C	Z	7.268	5
117	MP5C	Mx	.017	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	7.102	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MPRRUB	Z	12.3	1
3	MPRRUB	Mx	.004	1
4	MPRRUC	X	4.597	1
5	MPRRUC	Z	7.963	1
6	MPRRUC	Mx	-.005	1
7	MP3A	X	17.07	1.5
8	MP3A	Z	29.567	1.5
9	MP3A	Mx	.014	1.5
10	MP3A	X	17.07	5.5
11	MP3A	Z	29.567	5.5
12	MP3A	Mx	.014	5.5
13	MP3B	X	15.399	1.5
14	MP3B	Z	26.671	1.5
15	MP3B	Mx	-.029	1.5
16	MP3B	X	15.399	5.5
17	MP3B	Z	26.671	5.5
18	MP3B	Mx	-.029	5.5
19	MP3C	X	12.257	1.5
20	MP3C	Z	21.23	1.5
21	MP3C	Mx	.013	1.5
22	MP3C	X	12.257	5.5
23	MP3C	Z	21.23	5.5
24	MP3C	Mx	.013	5.5
25	MP3A	X	17.07	1.5
26	MP3A	Z	29.567	1.5
27	MP3A	Mx	-.029	1.5
28	MP3A	X	17.07	5.5
29	MP3A	Z	29.567	5.5
30	MP3A	Mx	-.029	5.5
31	MP3B	X	15.399	1.5
32	MP3B	Z	26.671	1.5
33	MP3B	Mx	.003	1.5
34	MP3B	X	15.399	5.5
35	MP3B	Z	26.671	5.5
36	MP3B	Mx	.003	5.5
37	MP3C	X	12.257	1.5
38	MP3C	Z	21.23	1.5
39	MP3C	Mx	.019	1.5
40	MP3C	X	12.257	5.5
41	MP3C	Z	21.23	5.5
42	MP3C	Mx	.019	5.5
43	MP4A	X	8.792	2.5
44	MP4A	Z	15.229	2.5
45	MP4A	Mx	-.004	2.5
46	MP4A	X	8.792	5
47	MP4A	Z	15.229	5
48	MP4A	Mx	-.004	5
49	MP4B	X	7.188	2.5
50	MP4B	Z	12.45	2.5
51	MP4B	Mx	-.006	2.5
52	MP4B	X	7.188	5
53	MP4B	Z	12.45	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4B	Mx	-.006	5
55	MP4C	X	4.172	2.5
56	MP4C	Z	7.227	2.5
57	MP4C	Mx	.005	2.5
58	MP4C	X	4.172	5
59	MP4C	Z	7.227	5
60	MP4C	Mx	.005	5
61	MP3A	X	1.8	1
62	MP3A	Z	3.117	1
63	MP3A	Mx	.001	1
64	MP3B	X	1.8	1
65	MP3B	Z	3.117	1
66	MP3B	Mx	.001	1
67	MP3C	X	1.439	1
68	MP3C	Z	2.492	1
69	MP3C	Mx	-.002	1
70	MP2A	X	7.332	1
71	MP2A	Z	12.699	1
72	MP2A	Mx	.004	1
73	MP2B	X	7.332	1
74	MP2B	Z	12.699	1
75	MP2B	Mx	.004	1
76	MP2C	X	5.517	1
77	MP2C	Z	9.555	1
78	MP2C	Mx	-.006	1
79	MPRRUA	X	7.102	1
80	MPRRUA	Z	12.3	1
81	MPRRUA	Mx	.004	1
82	MP1B	X	17.832	2
83	MP1B	Z	30.886	2
84	MP1B	Mx	-.029	2
85	MP1B	X	17.832	5
86	MP1B	Z	30.886	5
87	MP1B	Mx	-.029	5
88	MP5B	X	17.832	2
89	MP5B	Z	30.886	2
90	MP5B	Mx	-.029	2
91	MP5B	X	17.832	5
92	MP5B	Z	30.886	5
93	MP5B	Mx	-.029	5
94	MP1A	X	6.209	2
95	MP1A	Z	10.754	2
96	MP1A	Mx	-.005	2
97	MP1A	X	6.209	5
98	MP1A	Z	10.754	5
99	MP1A	Mx	-.005	5
100	MP5A	X	6.209	2
101	MP5A	Z	10.754	2
102	MP5A	Mx	-.005	2
103	MP5A	X	6.209	5
104	MP5A	Z	10.754	5
105	MP5A	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP1C	X	7.386	2
107	MP1C	Z	12.793	2
108	MP1C	Mx	.013	2
109	MP1C	X	7.386	5
110	MP1C	Z	12.793	5
111	MP1C	Mx	.013	5
112	MP5C	X	7.386	2
113	MP5C	Z	12.793	2
114	MP5C	Mx	.018	2
115	MP5C	X	7.386	5
116	MP5C	Z	12.793	5
117	MP5C	Mx	.018	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	0	1
2	MPRRUB	Z	10.864	1
3	MPRRUB	Mx	.005	1
4	MPRRUC	X	0	1
5	MPRRUC	Z	10.864	1
6	MPRRUC	Mx	-.005	1
7	MP3A	X	0	1.5
8	MP3A	Z	35.12	1.5
9	MP3A	Mx	.027	1.5
10	MP3A	X	0	5.5
11	MP3A	Z	35.12	5.5
12	MP3A	Mx	.027	5.5
13	MP3B	X	0	1.5
14	MP3B	Z	25.495	1.5
15	MP3B	Mx	-.022	1.5
16	MP3B	X	0	5.5
17	MP3B	Z	25.495	5.5
18	MP3B	Mx	-.022	5.5
19	MP3C	X	0	1.5
20	MP3C	Z	28.838	1.5
21	MP3C	Mx	.002	1.5
22	MP3C	X	0	5.5
23	MP3C	Z	28.838	5.5
24	MP3C	Mx	.002	5.5
25	MP3A	X	0	1.5
26	MP3A	Z	35.12	1.5
27	MP3A	Mx	-.019	1.5
28	MP3A	X	0	5.5
29	MP3A	Z	35.12	5.5
30	MP3A	Mx	-.019	5.5
31	MP3B	X	0	1.5
32	MP3B	Z	25.495	1.5
33	MP3B	Mx	-.01	1.5
34	MP3B	X	0	5.5
35	MP3B	Z	25.495	5.5
36	MP3B	Mx	-.01	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3C	X	0	1.5
38	MP3C	Z	28.838	1.5
39	MP3C	Mx	.027	1.5
40	MP3C	X	0	5.5
41	MP3C	Z	28.838	5.5
42	MP3C	Mx	.027	5.5
43	MP4A	X	0	2.5
44	MP4A	Z	18.525	2.5
45	MP4A	Mx	.002	2.5
46	MP4A	X	0	5
47	MP4A	Z	18.525	5
48	MP4A	Mx	.002	5
49	MP4B	X	0	2.5
50	MP4B	Z	9.285	2.5
51	MP4B	Mx	-.006	2.5
52	MP4B	X	0	5
53	MP4B	Z	9.285	5
54	MP4B	Mx	-.006	5
55	MP4C	X	0	2.5
56	MP4C	Z	12.494	2.5
57	MP4C	Mx	.006	2.5
58	MP4C	X	0	5
59	MP4C	Z	12.494	5
60	MP4C	Mx	.006	5
61	MP3A	X	0	1
62	MP3A	Z	3.84	1
63	MP3A	Mx	0	1
64	MP3B	X	0	1
65	MP3B	Z	3.119	1
66	MP3B	Mx	.002	1
67	MP3C	X	0	1
68	MP3C	Z	3.119	1
69	MP3C	Mx	-.002	1
70	MP2A	X	0	1
71	MP2A	Z	15.873	1
72	MP2A	Mx	0	1
73	MP2B	X	0	1
74	MP2B	Z	12.243	1
75	MP2B	Mx	.006	1
76	MP2C	X	0	1
77	MP2C	Z	12.243	1
78	MP2C	Mx	-.006	1
79	MPRRUA	X	0	1
80	MPRRUA	Z	15.873	1
81	MPRRUA	Mx	0	1
82	MP1B	X	0	2
83	MP1B	Z	33.907	2
84	MP1B	Mx	-.04	2
85	MP1B	X	0	5
86	MP1B	Z	33.907	5
87	MP1B	Mx	-.04	5
88	MP5B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP5B	Z	33.907	2
90	MP5B	Mx	-.04	2
91	MP5B	X	0	5
92	MP5B	Z	33.907	5
93	MP5B	Mx	-.04	5
94	MP1A	X	0	2
95	MP1A	Z	11.529	2
96	MP1A	Mx	.002	2
97	MP1A	X	0	5
98	MP1A	Z	11.529	5
99	MP1A	Mx	.002	5
100	MP5A	X	0	2
101	MP5A	Z	11.529	2
102	MP5A	Mx	.002	2
103	MP5A	X	0	5
104	MP5A	Z	11.529	5
105	MP5A	Mx	.002	5
106	MP1C	X	0	2
107	MP1C	Z	13.728	2
108	MP1C	Mx	.01	2
109	MP1C	X	0	5
110	MP1C	Z	13.728	5
111	MP1C	Mx	.01	5
112	MP5C	X	0	2
113	MP5C	Z	13.728	2
114	MP5C	Mx	.013	2
115	MP5C	X	0	5
116	MP5C	Z	13.728	5
117	MP5C	Mx	.013	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-4.597	1
2	MPRRUB	Z	7.963	1
3	MPRRUB	Mx	.005	1
4	MPRRUC	X	-7.102	1
5	MPRRUC	Z	12.3	1
6	MPRRUC	Mx	-.004	1
7	MP3A	X	-15.399	1.5
8	MP3A	Z	26.671	1.5
9	MP3A	Mx	.029	1.5
10	MP3A	X	-15.399	5.5
11	MP3A	Z	26.671	5.5
12	MP3A	Mx	.029	5.5
13	MP3B	X	-12.257	1.5
14	MP3B	Z	21.23	1.5
15	MP3B	Mx	-.013	1.5
16	MP3B	X	-12.257	5.5
17	MP3B	Z	21.23	5.5
18	MP3B	Mx	-.013	5.5
19	MP3C	X	-17.07	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3C	Z	29.567	1.5
21	MP3C	Mx	-.014	1.5
22	MP3C	X	-17.07	5.5
23	MP3C	Z	29.567	5.5
24	MP3C	Mx	-.014	5.5
25	MP3A	X	-15.399	1.5
26	MP3A	Z	26.671	1.5
27	MP3A	Mx	-.003	1.5
28	MP3A	X	-15.399	5.5
29	MP3A	Z	26.671	5.5
30	MP3A	Mx	-.003	5.5
31	MP3B	X	-12.257	1.5
32	MP3B	Z	21.23	1.5
33	MP3B	Mx	-.019	1.5
34	MP3B	X	-12.257	5.5
35	MP3B	Z	21.23	5.5
36	MP3B	Mx	-.019	5.5
37	MP3C	X	-17.07	1.5
38	MP3C	Z	29.567	1.5
39	MP3C	Mx	.029	1.5
40	MP3C	X	-17.07	5.5
41	MP3C	Z	29.567	5.5
42	MP3C	Mx	.029	5.5
43	MP4A	X	-7.188	2.5
44	MP4A	Z	12.45	2.5
45	MP4A	Mx	.006	2.5
46	MP4A	X	-7.188	5
47	MP4A	Z	12.45	5
48	MP4A	Mx	.006	5
49	MP4B	X	-4.172	2.5
50	MP4B	Z	7.227	2.5
51	MP4B	Mx	-.005	2.5
52	MP4B	X	-4.172	5
53	MP4B	Z	7.227	5
54	MP4B	Mx	-.005	5
55	MP4C	X	-8.792	2.5
56	MP4C	Z	15.229	2.5
57	MP4C	Mx	.004	2.5
58	MP4C	X	-8.792	5
59	MP4C	Z	15.229	5
60	MP4C	Mx	.004	5
61	MP3A	X	-1.8	1
62	MP3A	Z	3.117	1
63	MP3A	Mx	-.001	1
64	MP3B	X	-1.439	1
65	MP3B	Z	2.492	1
66	MP3B	Mx	.002	1
67	MP3C	X	-1.8	1
68	MP3C	Z	3.117	1
69	MP3C	Mx	-.001	1
70	MP2A	X	-7.332	1
71	MP2A	Z	12.699	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2A	Mx	-.004	1
73	MP2B	X	-5.517	1
74	MP2B	Z	9.555	1
75	MP2B	Mx	.006	1
76	MP2C	X	-7.332	1
77	MP2C	Z	12.699	1
78	MP2C	Mx	-.004	1
79	MPRRUA	X	-7.102	1
80	MPRRUA	Z	12.3	1
81	MPRRUA	Mx	-.004	1
82	MP1B	X	-16.791	2
83	MP1B	Z	29.083	2
84	MP1B	Mx	-.041	2
85	MP1B	X	-16.791	5
86	MP1B	Z	29.083	5
87	MP1B	Mx	-.041	5
88	MP5B	X	-16.791	2
89	MP5B	Z	29.083	2
90	MP5B	Mx	-.041	2
91	MP5B	X	-16.791	5
92	MP5B	Z	29.083	5
93	MP5B	Mx	-.041	5
94	MP1A	X	-7.726	2
95	MP1A	Z	13.382	2
96	MP1A	Mx	.011	2
97	MP1A	X	-7.726	5
98	MP1A	Z	13.382	5
99	MP1A	Mx	.011	5
100	MP5A	X	-7.726	2
101	MP5A	Z	13.382	2
102	MP5A	Mx	.011	2
103	MP5A	X	-7.726	5
104	MP5A	Z	13.382	5
105	MP5A	Mx	.011	5
106	MP1C	X	-6.224	2
107	MP1C	Z	10.78	2
108	MP1C	Mx	.004	2
109	MP1C	X	-6.224	5
110	MP1C	Z	10.78	5
111	MP1C	Mx	.004	5
112	MP5C	X	-6.224	2
113	MP5C	Z	10.78	2
114	MP5C	Mx	.005	2
115	MP5C	X	-6.224	5
116	MP5C	Z	10.78	5
117	MP5C	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-9.409	1
2	MPRRUB	Z	5.432	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MPRRUB	Mx	.005	1
4	MPRRUC	X	-13.746	1
5	MPRRUC	Z	7.936	1
6	MPRRUC	Mx	0	1
7	MP3A	X	-22.079	1.5
8	MP3A	Z	12.747	1.5
9	MP3A	Mx	.022	1.5
10	MP3A	X	-22.079	5.5
11	MP3A	Z	12.747	5.5
12	MP3A	Mx	.022	5.5
13	MP3B	X	-24.974	1.5
14	MP3B	Z	14.419	1.5
15	MP3B	Mx	-.002	1.5
16	MP3B	X	-24.974	5.5
17	MP3B	Z	14.419	5.5
18	MP3B	Mx	-.002	5.5
19	MP3C	X	-30.415	1.5
20	MP3C	Z	17.56	1.5
21	MP3C	Mx	-.027	1.5
22	MP3C	X	-30.415	5.5
23	MP3C	Z	17.56	5.5
24	MP3C	Mx	-.027	5.5
25	MP3A	X	-22.079	1.5
26	MP3A	Z	12.747	1.5
27	MP3A	Mx	.01	1.5
28	MP3A	X	-22.079	5.5
29	MP3A	Z	12.747	5.5
30	MP3A	Mx	.01	5.5
31	MP3B	X	-24.974	1.5
32	MP3B	Z	14.419	1.5
33	MP3B	Mx	-.027	1.5
34	MP3B	X	-24.974	5.5
35	MP3B	Z	14.419	5.5
36	MP3B	Mx	-.027	5.5
37	MP3C	X	-30.415	1.5
38	MP3C	Z	17.56	1.5
39	MP3C	Mx	.019	1.5
40	MP3C	X	-30.415	5.5
41	MP3C	Z	17.56	5.5
42	MP3C	Mx	.019	5.5
43	MP4A	X	-8.041	2.5
44	MP4A	Z	4.643	2.5
45	MP4A	Mx	.006	2.5
46	MP4A	X	-8.041	5
47	MP4A	Z	4.643	5
48	MP4A	Mx	.006	5
49	MP4B	X	-10.82	2.5
50	MP4B	Z	6.247	2.5
51	MP4B	Mx	-.006	2.5
52	MP4B	X	-10.82	5
53	MP4B	Z	6.247	5
54	MP4B	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP4C	X	-16.043	2.5
56	MP4C	Z	9.262	2.5
57	MP4C	Mx	-.002	2.5
58	MP4C	X	-16.043	5
59	MP4C	Z	9.262	5
60	MP4C	Mx	-.002	5
61	MP3A	X	-2.701	1
62	MP3A	Z	1.559	1
63	MP3A	Mx	-.002	1
64	MP3B	X	-2.701	1
65	MP3B	Z	1.559	1
66	MP3B	Mx	.002	1
67	MP3C	X	-3.325	1
68	MP3C	Z	1.92	1
69	MP3C	Mx	0	1
70	MP2A	X	-10.603	1
71	MP2A	Z	6.122	1
72	MP2A	Mx	-.006	1
73	MP2B	X	-10.603	1
74	MP2B	Z	6.122	1
75	MP2B	Mx	.006	1
76	MP2C	X	-13.746	1
77	MP2C	Z	7.936	1
78	MP2C	Mx	0	1
79	MPRRUA	X	-9.409	1
80	MPRRUA	Z	5.432	1
81	MPRRUA	Mx	-.005	1
82	MP1B	X	-30.323	2
83	MP1B	Z	17.507	2
84	MP1B	Mx	-.034	2
85	MP1B	X	-30.323	5
86	MP1B	Z	17.507	5
87	MP1B	Mx	-.034	5
88	MP5B	X	-30.323	2
89	MP5B	Z	17.507	2
90	MP5B	Mx	-.034	2
91	MP5B	X	-30.323	5
92	MP5B	Z	17.507	5
93	MP5B	Mx	-.034	5
94	MP1A	X	-17.549	2
95	MP1A	Z	10.132	2
96	MP1A	Mx	.021	2
97	MP1A	X	-17.549	5
98	MP1A	Z	10.132	5
99	MP1A	Mx	.021	5
100	MP5A	X	-17.549	2
101	MP5A	Z	10.132	2
102	MP5A	Mx	.021	2
103	MP5A	X	-17.549	5
104	MP5A	Z	10.132	5
105	MP5A	Mx	.021	5
106	MP1C	X	-10.575	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	6.105	2
108	MP1C	Mx	-.002	2
109	MP1C	X	-10.575	5
110	MP1C	Z	6.105	5
111	MP1C	Mx	-.002	5
112	MP5C	X	-10.575	2
113	MP5C	Z	6.105	2
114	MP5C	Mx	-.003	2
115	MP5C	X	-10.575	5
116	MP5C	Z	6.105	5
117	MP5C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-14.203	1
2	MPRRUB	Z	0	1
3	MPRRUB	Mx	.004	1
4	MPRRUC	X	-14.203	1
5	MPRRUC	Z	0	1
6	MPRRUC	Mx	.004	1
7	MP3A	X	-24.515	1.5
8	MP3A	Z	0	1.5
9	MP3A	Mx	.013	1.5
10	MP3A	X	-24.515	5.5
11	MP3A	Z	0	5.5
12	MP3A	Mx	.013	5.5
13	MP3B	X	-34.141	1.5
14	MP3B	Z	0	1.5
15	MP3B	Mx	.014	1.5
16	MP3B	X	-34.141	5.5
17	MP3B	Z	0	5.5
18	MP3B	Mx	.014	5.5
19	MP3C	X	-30.797	1.5
20	MP3C	Z	0	1.5
21	MP3C	Mx	-.029	1.5
22	MP3C	X	-30.797	5.5
23	MP3C	Z	0	5.5
24	MP3C	Mx	-.029	5.5
25	MP3A	X	-24.515	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	.019	1.5
28	MP3A	X	-24.515	5.5
29	MP3A	Z	0	5.5
30	MP3A	Mx	.019	5.5
31	MP3B	X	-34.141	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.029	1.5
34	MP3B	X	-34.141	5.5
35	MP3B	Z	0	5.5
36	MP3B	Mx	-.029	5.5
37	MP3C	X	-30.797	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3C	Z	0	1.5
39	MP3C	Mx	.003	1.5
40	MP3C	X	-30.797	5.5
41	MP3C	Z	0	5.5
42	MP3C	Mx	.003	5.5
43	MP4A	X	-8.345	2.5
44	MP4A	Z	0	2.5
45	MP4A	Mx	.005	2.5
46	MP4A	X	-8.345	5
47	MP4A	Z	0	5
48	MP4A	Mx	.005	5
49	MP4B	X	-17.584	2.5
50	MP4B	Z	0	2.5
51	MP4B	Mx	-.004	2.5
52	MP4B	X	-17.584	5
53	MP4B	Z	0	5
54	MP4B	Mx	-.004	5
55	MP4C	X	-14.376	2.5
56	MP4C	Z	0	2.5
57	MP4C	Mx	-.006	2.5
58	MP4C	X	-14.376	5
59	MP4C	Z	0	5
60	MP4C	Mx	-.006	5
61	MP3A	X	-2.878	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.002	1
64	MP3B	X	-3.599	1
65	MP3B	Z	0	1
66	MP3B	Mx	.001	1
67	MP3C	X	-3.599	1
68	MP3C	Z	0	1
69	MP3C	Mx	.001	1
70	MP2A	X	-11.034	1
71	MP2A	Z	0	1
72	MP2A	Mx	-.006	1
73	MP2B	X	-14.663	1
74	MP2B	Z	0	1
75	MP2B	Mx	.004	1
76	MP2C	X	-14.663	1
77	MP2C	Z	0	1
78	MP2C	Mx	.004	1
79	MPRRUA	X	-9.195	1
80	MPRRUA	Z	0	1
81	MPRRUA	Mx	-.005	1
82	MP1B	X	-36.771	2
83	MP1B	Z	0	2
84	MP1B	Mx	-.016	2
85	MP1B	X	-36.771	5
86	MP1B	Z	0	5
87	MP1B	Mx	-.016	5
88	MP5B	X	-36.771	2
89	MP5B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP5B	Mx	-.016	2
91	MP5B	X	-36.771	5
92	MP5B	Z	0	5
93	MP5B	Mx	-.016	5
94	MP1A	X	-21.153	2
95	MP1A	Z	0	2
96	MP1A	Mx	.023	2
97	MP1A	X	-21.153	5
98	MP1A	Z	0	5
99	MP1A	Mx	.023	5
100	MP5A	X	-21.153	2
101	MP5A	Z	0	2
102	MP5A	Mx	.023	2
103	MP5A	X	-21.153	5
104	MP5A	Z	0	5
105	MP5A	Mx	.023	5
106	MP1C	X	-13.255	2
107	MP1C	Z	0	2
108	MP1C	Mx	-.008	2
109	MP1C	X	-13.255	5
110	MP1C	Z	0	5
111	MP1C	Mx	-.008	5
112	MP5C	X	-13.255	2
113	MP5C	Z	0	2
114	MP5C	Mx	-.011	2
115	MP5C	X	-13.255	5
116	MP5C	Z	0	5
117	MP5C	Mx	-.011	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-13.746	1
2	MPRRUB	Z	-7.936	1
3	MPRRUB	Mx	0	1
4	MPRRUC	X	-9.409	1
5	MPRRUC	Z	-5.432	1
6	MPRRUC	Mx	.005	1
7	MP3A	X	-24.974	1.5
8	MP3A	Z	-14.419	1.5
9	MP3A	Mx	.002	1.5
10	MP3A	X	-24.974	5.5
11	MP3A	Z	-14.419	5.5
12	MP3A	Mx	.002	5.5
13	MP3B	X	-30.415	1.5
14	MP3B	Z	-17.56	1.5
15	MP3B	Mx	.027	1.5
16	MP3B	X	-30.415	5.5
17	MP3B	Z	-17.56	5.5
18	MP3B	Mx	.027	5.5
19	MP3C	X	-22.079	1.5
20	MP3C	Z	-12.747	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3C	Mx	-.022	1.5
22	MP3C	X	-22.079	5.5
23	MP3C	Z	-12.747	5.5
24	MP3C	Mx	-.022	5.5
25	MP3A	X	-24.974	1.5
26	MP3A	Z	-14.419	1.5
27	MP3A	Mx	.027	1.5
28	MP3A	X	-24.974	5.5
29	MP3A	Z	-14.419	5.5
30	MP3A	Mx	.027	5.5
31	MP3B	X	-30.415	1.5
32	MP3B	Z	-17.56	1.5
33	MP3B	Mx	-.019	1.5
34	MP3B	X	-30.415	5.5
35	MP3B	Z	-17.56	5.5
36	MP3B	Mx	-.019	5.5
37	MP3C	X	-22.079	1.5
38	MP3C	Z	-12.747	1.5
39	MP3C	Mx	-.01	1.5
40	MP3C	X	-22.079	5.5
41	MP3C	Z	-12.747	5.5
42	MP3C	Mx	-.01	5.5
43	MP4A	X	-10.82	2.5
44	MP4A	Z	-6.247	2.5
45	MP4A	Mx	.006	2.5
46	MP4A	X	-10.82	5
47	MP4A	Z	-6.247	5
48	MP4A	Mx	.006	5
49	MP4B	X	-16.043	2.5
50	MP4B	Z	-9.262	2.5
51	MP4B	Mx	.002	2.5
52	MP4B	X	-16.043	5
53	MP4B	Z	-9.262	5
54	MP4B	Mx	.002	5
55	MP4C	X	-8.041	2.5
56	MP4C	Z	-4.643	2.5
57	MP4C	Mx	-.006	2.5
58	MP4C	X	-8.041	5
59	MP4C	Z	-4.643	5
60	MP4C	Mx	-.006	5
61	MP3A	X	-2.701	1
62	MP3A	Z	-1.559	1
63	MP3A	Mx	-.002	1
64	MP3B	X	-3.325	1
65	MP3B	Z	-1.92	1
66	MP3B	Mx	0	1
67	MP3C	X	-2.701	1
68	MP3C	Z	-1.559	1
69	MP3C	Mx	.002	1
70	MP2A	X	-10.603	1
71	MP2A	Z	-6.122	1
72	MP2A	Mx	-.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2B	X	-13.746	1
74	MP2B	Z	-7.936	1
75	MP2B	Mx	0	1
76	MP2C	X	-10.603	1
77	MP2C	Z	-6.122	1
78	MP2C	Mx	.006	1
79	MPRRUA	X	-9.409	1
80	MPRRUA	Z	-5.432	1
81	MPRRUA	Mx	-.005	1
82	MP1B	X	-32.126	2
83	MP1B	Z	-18.548	2
84	MP1B	Mx	.008	2
85	MP1B	X	-32.126	5
86	MP1B	Z	-18.548	5
87	MP1B	Mx	.008	5
88	MP5B	X	-32.126	2
89	MP5B	Z	-18.548	2
90	MP5B	Mx	.008	2
91	MP5B	X	-32.126	5
92	MP5B	Z	-18.548	5
93	MP5B	Mx	.008	5
94	MP1A	X	-14.922	2
95	MP1A	Z	-8.615	2
96	MP1A	Mx	.015	2
97	MP1A	X	-14.922	5
98	MP1A	Z	-8.615	5
99	MP1A	Mx	.015	5
100	MP5A	X	-14.922	2
101	MP5A	Z	-8.615	2
102	MP5A	Mx	.015	2
103	MP5A	X	-14.922	5
104	MP5A	Z	-8.615	5
105	MP5A	Mx	.015	5
106	MP1C	X	-12.588	2
107	MP1C	Z	-7.268	2
108	MP1C	Mx	-.013	2
109	MP1C	X	-12.588	5
110	MP1C	Z	-7.268	5
111	MP1C	Mx	-.013	5
112	MP5C	X	-12.588	2
113	MP5C	Z	-7.268	2
114	MP5C	Mx	-.017	2
115	MP5C	X	-12.588	5
116	MP5C	Z	-7.268	5
117	MP5C	Mx	-.017	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-7.102	1
2	MPRRUB	Z	-12.3	1
3	MPRRUB	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MPRRUC	X	-4.597	1
5	MPRRUC	Z	-7.963	1
6	MPRRUC	Mx	.005	1
7	MP3A	X	-17.07	1.5
8	MP3A	Z	-29.567	1.5
9	MP3A	Mx	-.014	1.5
10	MP3A	X	-17.07	5.5
11	MP3A	Z	-29.567	5.5
12	MP3A	Mx	-.014	5.5
13	MP3B	X	-15.399	1.5
14	MP3B	Z	-26.671	1.5
15	MP3B	Mx	.029	1.5
16	MP3B	X	-15.399	5.5
17	MP3B	Z	-26.671	5.5
18	MP3B	Mx	.029	5.5
19	MP3C	X	-12.257	1.5
20	MP3C	Z	-21.23	1.5
21	MP3C	Mx	-.013	1.5
22	MP3C	X	-12.257	5.5
23	MP3C	Z	-21.23	5.5
24	MP3C	Mx	-.013	5.5
25	MP3A	X	-17.07	1.5
26	MP3A	Z	-29.567	1.5
27	MP3A	Mx	.029	1.5
28	MP3A	X	-17.07	5.5
29	MP3A	Z	-29.567	5.5
30	MP3A	Mx	.029	5.5
31	MP3B	X	-15.399	1.5
32	MP3B	Z	-26.671	1.5
33	MP3B	Mx	-.003	1.5
34	MP3B	X	-15.399	5.5
35	MP3B	Z	-26.671	5.5
36	MP3B	Mx	-.003	5.5
37	MP3C	X	-12.257	1.5
38	MP3C	Z	-21.23	1.5
39	MP3C	Mx	-.019	1.5
40	MP3C	X	-12.257	5.5
41	MP3C	Z	-21.23	5.5
42	MP3C	Mx	-.019	5.5
43	MP4A	X	-8.792	2.5
44	MP4A	Z	-15.229	2.5
45	MP4A	Mx	.004	2.5
46	MP4A	X	-8.792	5
47	MP4A	Z	-15.229	5
48	MP4A	Mx	.004	5
49	MP4B	X	-7.188	2.5
50	MP4B	Z	-12.45	2.5
51	MP4B	Mx	.006	2.5
52	MP4B	X	-7.188	5
53	MP4B	Z	-12.45	5
54	MP4B	Mx	.006	5
55	MP4C	X	-4.172	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
56	MP4C	Z	-7.227	2.5
57	MP4C	Mx	-.005	2.5
58	MP4C	X	-4.172	5
59	MP4C	Z	-7.227	5
60	MP4C	Mx	-.005	5
61	MP3A	X	-1.8	1
62	MP3A	Z	-3.117	1
63	MP3A	Mx	-.001	1
64	MP3B	X	-1.8	1
65	MP3B	Z	-3.117	1
66	MP3B	Mx	-.001	1
67	MP3C	X	-1.439	1
68	MP3C	Z	-2.492	1
69	MP3C	Mx	.002	1
70	MP2A	X	-7.332	1
71	MP2A	Z	-12.699	1
72	MP2A	Mx	-.004	1
73	MP2B	X	-7.332	1
74	MP2B	Z	-12.699	1
75	MP2B	Mx	-.004	1
76	MP2C	X	-5.517	1
77	MP2C	Z	-9.555	1
78	MP2C	Mx	.006	1
79	MPRRUA	X	-7.102	1
80	MPRRUA	Z	-12.3	1
81	MPRRUA	Mx	-.004	1
82	MP1B	X	-17.832	2
83	MP1B	Z	-30.886	2
84	MP1B	Mx	.029	2
85	MP1B	X	-17.832	5
86	MP1B	Z	-30.886	5
87	MP1B	Mx	.029	5
88	MP5B	X	-17.832	2
89	MP5B	Z	-30.886	2
90	MP5B	Mx	.029	2
91	MP5B	X	-17.832	5
92	MP5B	Z	-30.886	5
93	MP5B	Mx	.029	5
94	MP1A	X	-6.209	2
95	MP1A	Z	-10.754	2
96	MP1A	Mx	.005	2
97	MP1A	X	-6.209	5
98	MP1A	Z	-10.754	5
99	MP1A	Mx	.005	5
100	MP5A	X	-6.209	2
101	MP5A	Z	-10.754	2
102	MP5A	Mx	.005	2
103	MP5A	X	-6.209	5
104	MP5A	Z	-10.754	5
105	MP5A	Mx	.005	5
106	MP1C	X	-7.386	2
107	MP1C	Z	-12.793	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP1C	Mx	-.013	2
109	MP1C	X	-7.386	5
110	MP1C	Z	-12.793	5
111	MP1C	Mx	-.013	5
112	MP5C	X	-7.386	2
113	MP5C	Z	-12.793	2
114	MP5C	Mx	-.018	2
115	MP5C	X	-7.386	5
116	MP5C	Z	-12.793	5
117	MP5C	Mx	-.018	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	0	1
2	MPRRUB	Z	-3.143	1
3	MPRRUB	Mx	-.002	1
4	MPRRUC	X	0	1
5	MPRRUC	Z	-3.143	1
6	MPRRUC	Mx	.002	1
7	MP3A	X	0	1.5
8	MP3A	Z	-11.547	1.5
9	MP3A	Mx	-.009	1.5
10	MP3A	X	0	5.5
11	MP3A	Z	-11.547	5.5
12	MP3A	Mx	-.009	5.5
13	MP3B	X	0	1.5
14	MP3B	Z	-8.132	1.5
15	MP3B	Mx	.007	1.5
16	MP3B	X	0	5.5
17	MP3B	Z	-8.132	5.5
18	MP3B	Mx	.007	5.5
19	MP3C	X	0	1.5
20	MP3C	Z	-9.318	1.5
21	MP3C	Mx	-.000766	1.5
22	MP3C	X	0	5.5
23	MP3C	Z	-9.318	5.5
24	MP3C	Mx	-.000766	5.5
25	MP3A	X	0	1.5
26	MP3A	Z	-11.547	1.5
27	MP3A	Mx	.006	1.5
28	MP3A	X	0	5.5
29	MP3A	Z	-11.547	5.5
30	MP3A	Mx	.006	5.5
31	MP3B	X	0	1.5
32	MP3B	Z	-8.132	1.5
33	MP3B	Mx	.003	1.5
34	MP3B	X	0	5.5
35	MP3B	Z	-8.132	5.5
36	MP3B	Mx	.003	5.5
37	MP3C	X	0	1.5
38	MP3C	Z	-9.318	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3C	Mx	-.009	1.5
40	MP3C	X	0	5.5
41	MP3C	Z	-9.318	5.5
42	MP3C	Mx	-.009	5.5
43	MP4A	X	0	2.5
44	MP4A	Z	-5.909	2.5
45	MP4A	Mx	-.000684	2.5
46	MP4A	X	0	5
47	MP4A	Z	-5.909	5
48	MP4A	Mx	-.000684	5
49	MP4B	X	0	2.5
50	MP4B	Z	-2.785	2.5
51	MP4B	Mx	.002	2.5
52	MP4B	X	0	5
53	MP4B	Z	-2.785	5
54	MP4B	Mx	.002	5
55	MP4C	X	0	2.5
56	MP4C	Z	-3.87	2.5
57	MP4C	Mx	-.002	2.5
58	MP4C	X	0	5
59	MP4C	Z	-3.87	5
60	MP4C	Mx	-.002	5
61	MP3A	X	0	1
62	MP3A	Z	-.948	1
63	MP3A	Mx	0	1
64	MP3B	X	0	1
65	MP3B	Z	-.729	1
66	MP3B	Mx	-.000368	1
67	MP3C	X	0	1
68	MP3C	Z	-.729	1
69	MP3C	Mx	.000368	1
70	MP2A	X	0	1
71	MP2A	Z	-4.79	1
72	MP2A	Mx	0	1
73	MP2B	X	0	1
74	MP2B	Z	-3.599	1
75	MP2B	Mx	-.002	1
76	MP2C	X	0	1
77	MP2C	Z	-3.599	1
78	MP2C	Mx	.002	1
79	MPRRUA	X	0	1
80	MPRRUA	Z	-4.79	1
81	MPRRUA	Mx	0	1
82	MP1B	X	0	2
83	MP1B	Z	-11.136	2
84	MP1B	Mx	.013	2
85	MP1B	X	0	5
86	MP1B	Z	-11.136	5
87	MP1B	Mx	.013	5
88	MP5B	X	0	2
89	MP5B	Z	-11.136	2
90	MP5B	Mx	.013	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5B	X	0	5
92	MP5B	Z	-11.136	5
93	MP5B	Mx	.013	5
94	MP1A	X	0	2
95	MP1A	Z	-3.451	2
96	MP1A	Mx	-.000674	2
97	MP1A	X	0	5
98	MP1A	Z	-3.451	5
99	MP1A	Mx	-.000674	5
100	MP5A	X	0	2
101	MP5A	Z	-3.451	2
102	MP5A	Mx	-.000674	2
103	MP5A	X	0	5
104	MP5A	Z	-3.451	5
105	MP5A	Mx	-.000674	5
106	MP1C	X	0	2
107	MP1C	Z	-4.23	2
108	MP1C	Mx	-.003	2
109	MP1C	X	0	5
110	MP1C	Z	-4.23	5
111	MP1C	Mx	-.003	5
112	MP5C	X	0	2
113	MP5C	Z	-4.23	2
114	MP5C	Mx	-.004	2
115	MP5C	X	0	5
116	MP5C	Z	-4.23	5
117	MP5C	Mx	-.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	1.297	1
2	MPRRUB	Z	-2.246	1
3	MPRRUB	Mx	-.002	1
4	MPRRUC	X	2.121	1
5	MPRRUC	Z	-3.673	1
6	MPRRUC	Mx	.001	1
7	MP3A	X	5.007	1.5
8	MP3A	Z	-8.672	1.5
9	MP3A	Mx	-.009	1.5
10	MP3A	X	5.007	5.5
11	MP3A	Z	-8.672	5.5
12	MP3A	Mx	-.009	5.5
13	MP3B	X	3.892	1.5
14	MP3B	Z	-6.741	1.5
15	MP3B	Mx	.004	1.5
16	MP3B	X	3.892	5.5
17	MP3B	Z	-6.741	5.5
18	MP3B	Mx	.004	5.5
19	MP3C	X	5.6	1.5
20	MP3C	Z	-9.699	1.5
21	MP3C	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3C	X	5.6	5.5
23	MP3C	Z	-9.699	5.5
24	MP3C	Mx	.004	5.5
25	MP3A	X	5.007	1.5
26	MP3A	Z	-8.672	1.5
27	MP3A	Mx	.000823	1.5
28	MP3A	X	5.007	5.5
29	MP3A	Z	-8.672	5.5
30	MP3A	Mx	.000823	5.5
31	MP3B	X	3.892	1.5
32	MP3B	Z	-6.741	1.5
33	MP3B	Mx	.006	1.5
34	MP3B	X	3.892	5.5
35	MP3B	Z	-6.741	5.5
36	MP3B	Mx	.006	5.5
37	MP3C	X	5.6	1.5
38	MP3C	Z	-9.699	1.5
39	MP3C	Mx	-.01	1.5
40	MP3C	X	5.6	5.5
41	MP3C	Z	-9.699	5.5
42	MP3C	Mx	-.01	5.5
43	MP4A	X	2.253	2.5
44	MP4A	Z	-3.903	2.5
45	MP4A	Mx	-.002	2.5
46	MP4A	X	2.253	5
47	MP4A	Z	-3.903	5
48	MP4A	Mx	-.002	5
49	MP4B	X	1.234	2.5
50	MP4B	Z	-2.137	2.5
51	MP4B	Mx	.002	2.5
52	MP4B	X	1.234	5
53	MP4B	Z	-2.137	5
54	MP4B	Mx	.002	5
55	MP4C	X	2.796	2.5
56	MP4C	Z	-4.842	2.5
57	MP4C	Mx	-.001	2.5
58	MP4C	X	2.796	5
59	MP4C	Z	-4.842	5
60	MP4C	Mx	-.001	5
61	MP3A	X	.437	1
62	MP3A	Z	-.758	1
63	MP3A	Mx	.000255	1
64	MP3B	X	.328	1
65	MP3B	Z	-.568	1
66	MP3B	Mx	-.000383	1
67	MP3C	X	.437	1
68	MP3C	Z	-.758	1
69	MP3C	Mx	.000255	1
70	MP2A	X	2.197	1
71	MP2A	Z	-3.805	1
72	MP2A	Mx	.001	1
73	MP2B	X	1.601	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2B	Z	-2.773	1
75	MP2B	Mx	-.002	1
76	MP2C	X	2.197	1
77	MP2C	Z	-3.805	1
78	MP2C	Mx	.001	1
79	MPRRUA	X	2.121	1
80	MPRRUA	Z	-3.673	1
81	MPRRUA	Mx	.001	1
82	MP1B	X	5.511	2
83	MP1B	Z	-9.545	2
84	MP1B	Mx	.014	2
85	MP1B	X	5.511	5
86	MP1B	Z	-9.545	5
87	MP1B	Mx	.014	5
88	MP5B	X	5.511	2
89	MP5B	Z	-9.545	2
90	MP5B	Mx	.014	2
91	MP5B	X	5.511	5
92	MP5B	Z	-9.545	5
93	MP5B	Mx	.014	5
94	MP1A	X	2.409	2
95	MP1A	Z	-4.173	2
96	MP1A	Mx	-.003	2
97	MP1A	X	2.409	5
98	MP1A	Z	-4.173	5
99	MP1A	Mx	-.003	5
100	MP5A	X	2.409	2
101	MP5A	Z	-4.173	2
102	MP5A	Mx	-.003	2
103	MP5A	X	2.409	5
104	MP5A	Z	-4.173	5
105	MP5A	Mx	-.003	5
106	MP1C	X	1.888	2
107	MP1C	Z	-3.27	2
108	MP1C	Mx	-.001	2
109	MP1C	X	1.888	5
110	MP1C	Z	-3.27	5
111	MP1C	Mx	-.001	5
112	MP5C	X	1.888	2
113	MP5C	Z	-3.27	2
114	MP5C	Mx	-.002	2
115	MP5C	X	1.888	5
116	MP5C	Z	-3.27	5
117	MP5C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	2.722	1
2	MPRRUB	Z	-1.571	1
3	MPRRUB	Mx	-.002	1
4	MPRRUC	X	4.148	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MPRRUC	Z	-2.395	1
6	MPRRUC	Mx	0	1
7	MP3A	X	7.042	1.5
8	MP3A	Z	-4.066	1.5
9	MP3A	Mx	-.007	1.5
10	MP3A	X	7.042	5.5
11	MP3A	Z	-4.066	5.5
12	MP3A	Mx	-.007	5.5
13	MP3B	X	8.07	1.5
14	MP3B	Z	-4.659	1.5
15	MP3B	Mx	.000766	1.5
16	MP3B	X	8.07	5.5
17	MP3B	Z	-4.659	5.5
18	MP3B	Mx	.000766	5.5
19	MP3C	X	10	1.5
20	MP3C	Z	-5.774	1.5
21	MP3C	Mx	.009	1.5
22	MP3C	X	10	5.5
23	MP3C	Z	-5.774	5.5
24	MP3C	Mx	.009	5.5
25	MP3A	X	7.042	1.5
26	MP3A	Z	-4.066	1.5
27	MP3A	Mx	-.003	1.5
28	MP3A	X	7.042	5.5
29	MP3A	Z	-4.066	5.5
30	MP3A	Mx	-.003	5.5
31	MP3B	X	8.07	1.5
32	MP3B	Z	-4.659	1.5
33	MP3B	Mx	.009	1.5
34	MP3B	X	8.07	5.5
35	MP3B	Z	-4.659	5.5
36	MP3B	Mx	.009	5.5
37	MP3C	X	10	1.5
38	MP3C	Z	-5.774	1.5
39	MP3C	Mx	-.006	1.5
40	MP3C	X	10	5.5
41	MP3C	Z	-5.774	5.5
42	MP3C	Mx	-.006	5.5
43	MP4A	X	2.412	2.5
44	MP4A	Z	-1.393	2.5
45	MP4A	Mx	-.002	2.5
46	MP4A	X	2.412	5
47	MP4A	Z	-1.393	5
48	MP4A	Mx	-.002	5
49	MP4B	X	3.352	2.5
50	MP4B	Z	-1.935	2.5
51	MP4B	Mx	.002	2.5
52	MP4B	X	3.352	5
53	MP4B	Z	-1.935	5
54	MP4B	Mx	.002	5
55	MP4C	X	5.118	2.5
56	MP4C	Z	-2.955	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP4C	Mx	.000684	2.5
58	MP4C	X	5.118	5
59	MP4C	Z	-2.955	5
60	MP4C	Mx	.000684	5
61	MP3A	X	.631	1
62	MP3A	Z	-.364	1
63	MP3A	Mx	.000368	1
64	MP3B	X	.631	1
65	MP3B	Z	-.364	1
66	MP3B	Mx	-.000368	1
67	MP3C	X	.821	1
68	MP3C	Z	-.474	1
69	MP3C	Mx	0	1
70	MP2A	X	3.117	1
71	MP2A	Z	-1.8	1
72	MP2A	Mx	.002	1
73	MP2B	X	3.117	1
74	MP2B	Z	-1.8	1
75	MP2B	Mx	-.002	1
76	MP2C	X	4.148	1
77	MP2C	Z	-2.395	1
78	MP2C	Mx	0	1
79	MPRRUA	X	2.722	1
80	MPRRUA	Z	-1.571	1
81	MPRRUA	Mx	.002	1
82	MP1B	X	9.981	2
83	MP1B	Z	-5.763	2
84	MP1B	Mx	.011	2
85	MP1B	X	9.981	5
86	MP1B	Z	-5.763	5
87	MP1B	Mx	.011	5
88	MP5B	X	9.981	2
89	MP5B	Z	-5.763	2
90	MP5B	Mx	.011	2
91	MP5B	X	9.981	5
92	MP5B	Z	-5.763	5
93	MP5B	Mx	.011	5
94	MP1A	X	5.627	2
95	MP1A	Z	-3.249	2
96	MP1A	Mx	-.007	2
97	MP1A	X	5.627	5
98	MP1A	Z	-3.249	5
99	MP1A	Mx	-.007	5
100	MP5A	X	5.627	2
101	MP5A	Z	-3.249	2
102	MP5A	Mx	-.007	2
103	MP5A	X	5.627	5
104	MP5A	Z	-3.249	5
105	MP5A	Mx	-.007	5
106	MP1C	X	3.198	2
107	MP1C	Z	-1.846	2
108	MP1C	Mx	.000588	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP1C	X	3.198	5
110	MP1C	Z	-1.846	5
111	MP1C	Mx	.000588	5
112	MP5C	X	3.198	2
113	MP5C	Z	-1.846	2
114	MP5C	Mx	.000802	2
115	MP5C	X	3.198	5
116	MP5C	Z	-1.846	5
117	MP5C	Mx	.000802	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	4.241	1
2	MPRRUB	Z	0	1
3	MPRRUB	Mx	-.001	1
4	MPRRUC	X	4.241	1
5	MPRRUC	Z	0	1
6	MPRRUC	Mx	-.001	1
7	MP3A	X	7.784	1.5
8	MP3A	Z	0	1.5
9	MP3A	Mx	-.004	1.5
10	MP3A	X	7.784	5.5
11	MP3A	Z	0	5.5
12	MP3A	Mx	-.004	5.5
13	MP3B	X	11.2	1.5
14	MP3B	Z	0	1.5
15	MP3B	Mx	-.004	1.5
16	MP3B	X	11.2	5.5
17	MP3B	Z	0	5.5
18	MP3B	Mx	-.004	5.5
19	MP3C	X	10.013	1.5
20	MP3C	Z	0	1.5
21	MP3C	Mx	.009	1.5
22	MP3C	X	10.013	5.5
23	MP3C	Z	0	5.5
24	MP3C	Mx	.009	5.5
25	MP3A	X	7.784	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	-.006	1.5
28	MP3A	X	7.784	5.5
29	MP3A	Z	0	5.5
30	MP3A	Mx	-.006	5.5
31	MP3B	X	11.2	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.01	1.5
34	MP3B	X	11.2	5.5
35	MP3B	Z	0	5.5
36	MP3B	Mx	.01	5.5
37	MP3C	X	10.013	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	-.000823	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3C	X	10.013	5.5
41	MP3C	Z	0	5.5
42	MP3C	Mx	-.000823	5.5
43	MP4A	X	2.467	2.5
44	MP4A	Z	0	2.5
45	MP4A	Mx	-.002	2.5
46	MP4A	X	2.467	5
47	MP4A	Z	0	5
48	MP4A	Mx	-.002	5
49	MP4B	X	5.591	2.5
50	MP4B	Z	0	2.5
51	MP4B	Mx	.001	2.5
52	MP4B	X	5.591	5
53	MP4B	Z	0	5
54	MP4B	Mx	.001	5
55	MP4C	X	4.506	2.5
56	MP4C	Z	0	2.5
57	MP4C	Mx	.002	2.5
58	MP4C	X	4.506	5
59	MP4C	Z	0	5
60	MP4C	Mx	.002	5
61	MP3A	X	.656	1
62	MP3A	Z	0	1
63	MP3A	Mx	.000383	1
64	MP3B	X	.875	1
65	MP3B	Z	0	1
66	MP3B	Mx	-.000255	1
67	MP3C	X	.875	1
68	MP3C	Z	0	1
69	MP3C	Mx	-.000255	1
70	MP2A	X	3.202	1
71	MP2A	Z	0	1
72	MP2A	Mx	.002	1
73	MP2B	X	4.393	1
74	MP2B	Z	0	1
75	MP2B	Mx	-.001	1
76	MP2C	X	4.393	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.001	1
79	MPRRUA	X	2.594	1
80	MPRRUA	Z	0	1
81	MPRRUA	Mx	.002	1
82	MP1B	X	12.142	2
83	MP1B	Z	0	2
84	MP1B	Mx	.005	2
85	MP1B	X	12.142	5
86	MP1B	Z	0	5
87	MP1B	Mx	.005	5
88	MP5B	X	12.142	2
89	MP5B	Z	0	2
90	MP5B	Mx	.005	2
91	MP5B	X	12.142	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP5B	Z	0	5
93	MP5B	Mx	.005	5
94	MP1A	X	6.807	2
95	MP1A	Z	0	2
96	MP1A	Mx	-.008	2
97	MP1A	X	6.807	5
98	MP1A	Z	0	5
99	MP1A	Mx	-.008	5
100	MP5A	X	6.807	2
101	MP5A	Z	0	2
102	MP5A	Mx	-.008	2
103	MP5A	X	6.807	5
104	MP5A	Z	0	5
105	MP5A	Mx	-.008	5
106	MP1C	X	4.063	2
107	MP1C	Z	0	2
108	MP1C	Mx	.002	2
109	MP1C	X	4.063	5
110	MP1C	Z	0	5
111	MP1C	Mx	.002	5
112	MP5C	X	4.063	2
113	MP5C	Z	0	2
114	MP5C	Mx	.003	2
115	MP5C	X	4.063	5
116	MP5C	Z	0	5
117	MP5C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	4.148	1
2	MPRRUB	Z	2.395	1
3	MPRRUB	Mx	0	1
4	MPRRUC	X	2.722	1
5	MPRRUC	Z	1.571	1
6	MPRRUC	Mx	-.002	1
7	MP3A	X	8.07	1.5
8	MP3A	Z	4.659	1.5
9	MP3A	Mx	-.000766	1.5
10	MP3A	X	8.07	5.5
11	MP3A	Z	4.659	5.5
12	MP3A	Mx	-.000766	5.5
13	MP3B	X	10	1.5
14	MP3B	Z	5.774	1.5
15	MP3B	Mx	-.009	1.5
16	MP3B	X	10	5.5
17	MP3B	Z	5.774	5.5
18	MP3B	Mx	-.009	5.5
19	MP3C	X	7.042	1.5
20	MP3C	Z	4.066	1.5
21	MP3C	Mx	.007	1.5
22	MP3C	X	7.042	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3C	Z	4.066	5.5
24	MP3C	Mx	.007	5.5
25	MP3A	X	8.07	1.5
26	MP3A	Z	4.659	1.5
27	MP3A	Mx	-.009	1.5
28	MP3A	X	8.07	5.5
29	MP3A	Z	4.659	5.5
30	MP3A	Mx	-.009	5.5
31	MP3B	X	10	1.5
32	MP3B	Z	5.774	1.5
33	MP3B	Mx	.006	1.5
34	MP3B	X	10	5.5
35	MP3B	Z	5.774	5.5
36	MP3B	Mx	.006	5.5
37	MP3C	X	7.042	1.5
38	MP3C	Z	4.066	1.5
39	MP3C	Mx	.003	1.5
40	MP3C	X	7.042	5.5
41	MP3C	Z	4.066	5.5
42	MP3C	Mx	.003	5.5
43	MP4A	X	3.352	2.5
44	MP4A	Z	1.935	2.5
45	MP4A	Mx	-.002	2.5
46	MP4A	X	3.352	5
47	MP4A	Z	1.935	5
48	MP4A	Mx	-.002	5
49	MP4B	X	5.118	2.5
50	MP4B	Z	2.955	2.5
51	MP4B	Mx	-.000684	2.5
52	MP4B	X	5.118	5
53	MP4B	Z	2.955	5
54	MP4B	Mx	-.000684	5
55	MP4C	X	2.412	2.5
56	MP4C	Z	1.393	2.5
57	MP4C	Mx	.002	2.5
58	MP4C	X	2.412	5
59	MP4C	Z	1.393	5
60	MP4C	Mx	.002	5
61	MP3A	X	.631	1
62	MP3A	Z	.364	1
63	MP3A	Mx	.000368	1
64	MP3B	X	.821	1
65	MP3B	Z	.474	1
66	MP3B	Mx	0	1
67	MP3C	X	.631	1
68	MP3C	Z	.364	1
69	MP3C	Mx	-.000368	1
70	MP2A	X	3.117	1
71	MP2A	Z	1.8	1
72	MP2A	Mx	.002	1
73	MP2B	X	4.148	1
74	MP2B	Z	2.395	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2B	Mx	0	1
76	MP2C	X	3.117	1
77	MP2C	Z	1.8	1
78	MP2C	Mx	-.002	1
79	MPRRUA	X	2.722	1
80	MPRRUA	Z	1.571	1
81	MPRRUA	Mx	.002	1
82	MP1B	X	10.614	2
83	MP1B	Z	6.128	2
84	MP1B	Mx	-.003	2
85	MP1B	X	10.614	5
86	MP1B	Z	6.128	5
87	MP1B	Mx	-.003	5
88	MP5B	X	10.614	2
89	MP5B	Z	6.128	2
90	MP5B	Mx	-.003	2
91	MP5B	X	10.614	5
92	MP5B	Z	6.128	5
93	MP5B	Mx	-.003	5
94	MP1A	X	4.71	2
95	MP1A	Z	2.72	2
96	MP1A	Mx	-.005	2
97	MP1A	X	4.71	5
98	MP1A	Z	2.72	5
99	MP1A	Mx	-.005	5
100	MP5A	X	4.71	2
101	MP5A	Z	2.72	2
102	MP5A	Mx	-.005	2
103	MP5A	X	4.71	5
104	MP5A	Z	2.72	5
105	MP5A	Mx	-.005	5
106	MP1C	X	3.912	2
107	MP1C	Z	2.258	2
108	MP1C	Mx	.004	2
109	MP1C	X	3.912	5
110	MP1C	Z	2.258	5
111	MP1C	Mx	.004	5
112	MP5C	X	3.912	2
113	MP5C	Z	2.258	2
114	MP5C	Mx	.005	2
115	MP5C	X	3.912	5
116	MP5C	Z	2.258	5
117	MP5C	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	2.121	1
2	MPRRUB	Z	3.673	1
3	MPRRUB	Mx	.001	1
4	MPRRUC	X	1.297	1
5	MPRRUC	Z	2.246	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MPRRUC	Mx	-.002	1
7	MP3A	X	5.6	1.5
8	MP3A	Z	9.699	1.5
9	MP3A	Mx	.004	1.5
10	MP3A	X	5.6	5.5
11	MP3A	Z	9.699	5.5
12	MP3A	Mx	.004	5.5
13	MP3B	X	5.007	1.5
14	MP3B	Z	8.672	1.5
15	MP3B	Mx	-.009	1.5
16	MP3B	X	5.007	5.5
17	MP3B	Z	8.672	5.5
18	MP3B	Mx	-.009	5.5
19	MP3C	X	3.892	1.5
20	MP3C	Z	6.741	1.5
21	MP3C	Mx	.004	1.5
22	MP3C	X	3.892	5.5
23	MP3C	Z	6.741	5.5
24	MP3C	Mx	.004	5.5
25	MP3A	X	5.6	1.5
26	MP3A	Z	9.699	1.5
27	MP3A	Mx	-.01	1.5
28	MP3A	X	5.6	5.5
29	MP3A	Z	9.699	5.5
30	MP3A	Mx	-.01	5.5
31	MP3B	X	5.007	1.5
32	MP3B	Z	8.672	1.5
33	MP3B	Mx	.000823	1.5
34	MP3B	X	5.007	5.5
35	MP3B	Z	8.672	5.5
36	MP3B	Mx	.000823	5.5
37	MP3C	X	3.892	1.5
38	MP3C	Z	6.741	1.5
39	MP3C	Mx	.006	1.5
40	MP3C	X	3.892	5.5
41	MP3C	Z	6.741	5.5
42	MP3C	Mx	.006	5.5
43	MP4A	X	2.796	2.5
44	MP4A	Z	4.842	2.5
45	MP4A	Mx	-.001	2.5
46	MP4A	X	2.796	5
47	MP4A	Z	4.842	5
48	MP4A	Mx	-.001	5
49	MP4B	X	2.253	2.5
50	MP4B	Z	3.903	2.5
51	MP4B	Mx	-.002	2.5
52	MP4B	X	2.253	5
53	MP4B	Z	3.903	5
54	MP4B	Mx	-.002	5
55	MP4C	X	1.234	2.5
56	MP4C	Z	2.137	2.5
57	MP4C	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	1.234	5
59	MP4C	Z	2.137	5
60	MP4C	Mx	.002	5
61	MP3A	X	.437	1
62	MP3A	Z	.758	1
63	MP3A	Mx	.000255	1
64	MP3B	X	.437	1
65	MP3B	Z	.758	1
66	MP3B	Mx	.000255	1
67	MP3C	X	.328	1
68	MP3C	Z	.568	1
69	MP3C	Mx	-.000383	1
70	MP2A	X	2.197	1
71	MP2A	Z	3.805	1
72	MP2A	Mx	.001	1
73	MP2B	X	2.197	1
74	MP2B	Z	3.805	1
75	MP2B	Mx	.001	1
76	MP2C	X	1.601	1
77	MP2C	Z	2.773	1
78	MP2C	Mx	-.002	1
79	MPRRUA	X	2.121	1
80	MPRRUA	Z	3.673	1
81	MPRRUA	Mx	.001	1
82	MP1B	X	5.877	2
83	MP1B	Z	10.179	2
84	MP1B	Mx	-.009	2
85	MP1B	X	5.877	5
86	MP1B	Z	10.179	5
87	MP1B	Mx	-.009	5
88	MP5B	X	5.877	2
89	MP5B	Z	10.179	2
90	MP5B	Mx	-.009	2
91	MP5B	X	5.877	5
92	MP5B	Z	10.179	5
93	MP5B	Mx	-.009	5
94	MP1A	X	1.88	2
95	MP1A	Z	3.257	2
96	MP1A	Mx	-.001	2
97	MP1A	X	1.88	5
98	MP1A	Z	3.257	5
99	MP1A	Mx	-.001	5
100	MP5A	X	1.88	2
101	MP5A	Z	3.257	2
102	MP5A	Mx	-.001	2
103	MP5A	X	1.88	5
104	MP5A	Z	3.257	5
105	MP5A	Mx	-.001	5
106	MP1C	X	2.3	2
107	MP1C	Z	3.984	2
108	MP1C	Mx	.004	2
109	MP1C	X	2.3	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP1C	Z	3.984	5
111	MP1C	Mx	.004	5
112	MP5C	X	2.3	2
113	MP5C	Z	3.984	2
114	MP5C	Mx	.006	2
115	MP5C	X	2.3	5
116	MP5C	Z	3.984	5
117	MP5C	Mx	.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	0	1
2	MPRRUB	Z	3.143	1
3	MPRRUB	Mx	.002	1
4	MPRRUC	X	0	1
5	MPRRUC	Z	3.143	1
6	MPRRUC	Mx	-.002	1
7	MP3A	X	0	1.5
8	MP3A	Z	11.547	1.5
9	MP3A	Mx	.009	1.5
10	MP3A	X	0	5.5
11	MP3A	Z	11.547	5.5
12	MP3A	Mx	.009	5.5
13	MP3B	X	0	1.5
14	MP3B	Z	8.132	1.5
15	MP3B	Mx	-.007	1.5
16	MP3B	X	0	5.5
17	MP3B	Z	8.132	5.5
18	MP3B	Mx	-.007	5.5
19	MP3C	X	0	1.5
20	MP3C	Z	9.318	1.5
21	MP3C	Mx	.000766	1.5
22	MP3C	X	0	5.5
23	MP3C	Z	9.318	5.5
24	MP3C	Mx	.000766	5.5
25	MP3A	X	0	1.5
26	MP3A	Z	11.547	1.5
27	MP3A	Mx	-.006	1.5
28	MP3A	X	0	5.5
29	MP3A	Z	11.547	5.5
30	MP3A	Mx	-.006	5.5
31	MP3B	X	0	1.5
32	MP3B	Z	8.132	1.5
33	MP3B	Mx	-.003	1.5
34	MP3B	X	0	5.5
35	MP3B	Z	8.132	5.5
36	MP3B	Mx	-.003	5.5
37	MP3C	X	0	1.5
38	MP3C	Z	9.318	1.5
39	MP3C	Mx	.009	1.5
40	MP3C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3C	Z	9.318	5.5
42	MP3C	Mx	.009	5.5
43	MP4A	X	0	2.5
44	MP4A	Z	5.909	2.5
45	MP4A	Mx	.000684	2.5
46	MP4A	X	0	5
47	MP4A	Z	5.909	5
48	MP4A	Mx	.000684	5
49	MP4B	X	0	2.5
50	MP4B	Z	2.785	2.5
51	MP4B	Mx	-.002	2.5
52	MP4B	X	0	5
53	MP4B	Z	2.785	5
54	MP4B	Mx	-.002	5
55	MP4C	X	0	2.5
56	MP4C	Z	3.87	2.5
57	MP4C	Mx	.002	2.5
58	MP4C	X	0	5
59	MP4C	Z	3.87	5
60	MP4C	Mx	.002	5
61	MP3A	X	0	1
62	MP3A	Z	.948	1
63	MP3A	Mx	0	1
64	MP3B	X	0	1
65	MP3B	Z	.729	1
66	MP3B	Mx	.000368	1
67	MP3C	X	0	1
68	MP3C	Z	.729	1
69	MP3C	Mx	-.000368	1
70	MP2A	X	0	1
71	MP2A	Z	4.79	1
72	MP2A	Mx	0	1
73	MP2B	X	0	1
74	MP2B	Z	3.599	1
75	MP2B	Mx	.002	1
76	MP2C	X	0	1
77	MP2C	Z	3.599	1
78	MP2C	Mx	-.002	1
79	MPRRUA	X	0	1
80	MPRRUA	Z	4.79	1
81	MPRRUA	Mx	0	1
82	MP1B	X	0	2
83	MP1B	Z	11.136	2
84	MP1B	Mx	-.013	2
85	MP1B	X	0	5
86	MP1B	Z	11.136	5
87	MP1B	Mx	-.013	5
88	MP5B	X	0	2
89	MP5B	Z	11.136	2
90	MP5B	Mx	-.013	2
91	MP5B	X	0	5
92	MP5B	Z	11.136	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP5B	Mx	-.013	5
94	MP1A	X	0	2
95	MP1A	Z	3.451	2
96	MP1A	Mx	.000674	2
97	MP1A	X	0	5
98	MP1A	Z	3.451	5
99	MP1A	Mx	.000674	5
100	MP5A	X	0	2
101	MP5A	Z	3.451	2
102	MP5A	Mx	.000674	2
103	MP5A	X	0	5
104	MP5A	Z	3.451	5
105	MP5A	Mx	.000674	5
106	MP1C	X	0	2
107	MP1C	Z	4.23	2
108	MP1C	Mx	.003	2
109	MP1C	X	0	5
110	MP1C	Z	4.23	5
111	MP1C	Mx	.003	5
112	MP5C	X	0	2
113	MP5C	Z	4.23	2
114	MP5C	Mx	.004	2
115	MP5C	X	0	5
116	MP5C	Z	4.23	5
117	MP5C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-1.297	1
2	MPRRUB	Z	2.246	1
3	MPRRUB	Mx	.002	1
4	MPRRUC	X	-2.121	1
5	MPRRUC	Z	3.673	1
6	MPRRUC	Mx	-.001	1
7	MP3A	X	-5.007	1.5
8	MP3A	Z	8.672	1.5
9	MP3A	Mx	.009	1.5
10	MP3A	X	-5.007	5.5
11	MP3A	Z	8.672	5.5
12	MP3A	Mx	.009	5.5
13	MP3B	X	-3.892	1.5
14	MP3B	Z	6.741	1.5
15	MP3B	Mx	-.004	1.5
16	MP3B	X	-3.892	5.5
17	MP3B	Z	6.741	5.5
18	MP3B	Mx	-.004	5.5
19	MP3C	X	-5.6	1.5
20	MP3C	Z	9.699	1.5
21	MP3C	Mx	-.004	1.5
22	MP3C	X	-5.6	5.5
23	MP3C	Z	9.699	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	-.004	5.5
25	MP3A	X	-5.007	1.5
26	MP3A	Z	8.672	1.5
27	MP3A	Mx	-.000823	1.5
28	MP3A	X	-5.007	5.5
29	MP3A	Z	8.672	5.5
30	MP3A	Mx	-.000823	5.5
31	MP3B	X	-3.892	1.5
32	MP3B	Z	6.741	1.5
33	MP3B	Mx	-.006	1.5
34	MP3B	X	-3.892	5.5
35	MP3B	Z	6.741	5.5
36	MP3B	Mx	-.006	5.5
37	MP3C	X	-5.6	1.5
38	MP3C	Z	9.699	1.5
39	MP3C	Mx	.01	1.5
40	MP3C	X	-5.6	5.5
41	MP3C	Z	9.699	5.5
42	MP3C	Mx	.01	5.5
43	MP4A	X	-2.253	2.5
44	MP4A	Z	3.903	2.5
45	MP4A	Mx	.002	2.5
46	MP4A	X	-2.253	5
47	MP4A	Z	3.903	5
48	MP4A	Mx	.002	5
49	MP4B	X	-1.234	2.5
50	MP4B	Z	2.137	2.5
51	MP4B	Mx	-.002	2.5
52	MP4B	X	-1.234	5
53	MP4B	Z	2.137	5
54	MP4B	Mx	-.002	5
55	MP4C	X	-2.796	2.5
56	MP4C	Z	4.842	2.5
57	MP4C	Mx	.001	2.5
58	MP4C	X	-2.796	5
59	MP4C	Z	4.842	5
60	MP4C	Mx	.001	5
61	MP3A	X	-.437	1
62	MP3A	Z	.758	1
63	MP3A	Mx	-.000255	1
64	MP3B	X	-.328	1
65	MP3B	Z	.568	1
66	MP3B	Mx	.000383	1
67	MP3C	X	-.437	1
68	MP3C	Z	.758	1
69	MP3C	Mx	-.000255	1
70	MP2A	X	-2.197	1
71	MP2A	Z	3.805	1
72	MP2A	Mx	-.001	1
73	MP2B	X	-1.601	1
74	MP2B	Z	2.773	1
75	MP2B	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2C	X	-2.197	1
77	MP2C	Z	3.805	1
78	MP2C	Mx	-.001	1
79	MPRRUA	X	-2.121	1
80	MPRRUA	Z	3.673	1
81	MPRRUA	Mx	-.001	1
82	MP1B	X	-5.511	2
83	MP1B	Z	9.545	2
84	MP1B	Mx	-.014	2
85	MP1B	X	-5.511	5
86	MP1B	Z	9.545	5
87	MP1B	Mx	-.014	5
88	MP5B	X	-5.511	2
89	MP5B	Z	9.545	2
90	MP5B	Mx	-.014	2
91	MP5B	X	-5.511	5
92	MP5B	Z	9.545	5
93	MP5B	Mx	-.014	5
94	MP1A	X	-2.409	2
95	MP1A	Z	4.173	2
96	MP1A	Mx	.003	2
97	MP1A	X	-2.409	5
98	MP1A	Z	4.173	5
99	MP1A	Mx	.003	5
100	MP5A	X	-2.409	2
101	MP5A	Z	4.173	2
102	MP5A	Mx	.003	2
103	MP5A	X	-2.409	5
104	MP5A	Z	4.173	5
105	MP5A	Mx	.003	5
106	MP1C	X	-1.888	2
107	MP1C	Z	3.27	2
108	MP1C	Mx	.001	2
109	MP1C	X	-1.888	5
110	MP1C	Z	3.27	5
111	MP1C	Mx	.001	5
112	MP5C	X	-1.888	2
113	MP5C	Z	3.27	2
114	MP5C	Mx	.002	2
115	MP5C	X	-1.888	5
116	MP5C	Z	3.27	5
117	MP5C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-2.722	1
2	MPRRUB	Z	1.571	1
3	MPRRUB	Mx	.002	1
4	MPRRUC	X	-4.148	1
5	MPRRUC	Z	2.395	1
6	MPRRUC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3A	X	-7.042	1.5
8	MP3A	Z	4.066	1.5
9	MP3A	Mx	.007	1.5
10	MP3A	X	-7.042	5.5
11	MP3A	Z	4.066	5.5
12	MP3A	Mx	.007	5.5
13	MP3B	X	-8.07	1.5
14	MP3B	Z	4.659	1.5
15	MP3B	Mx	-.000766	1.5
16	MP3B	X	-8.07	5.5
17	MP3B	Z	4.659	5.5
18	MP3B	Mx	-.000766	5.5
19	MP3C	X	-10	1.5
20	MP3C	Z	5.774	1.5
21	MP3C	Mx	-.009	1.5
22	MP3C	X	-10	5.5
23	MP3C	Z	5.774	5.5
24	MP3C	Mx	-.009	5.5
25	MP3A	X	-7.042	1.5
26	MP3A	Z	4.066	1.5
27	MP3A	Mx	.003	1.5
28	MP3A	X	-7.042	5.5
29	MP3A	Z	4.066	5.5
30	MP3A	Mx	.003	5.5
31	MP3B	X	-8.07	1.5
32	MP3B	Z	4.659	1.5
33	MP3B	Mx	-.009	1.5
34	MP3B	X	-8.07	5.5
35	MP3B	Z	4.659	5.5
36	MP3B	Mx	-.009	5.5
37	MP3C	X	-10	1.5
38	MP3C	Z	5.774	1.5
39	MP3C	Mx	.006	1.5
40	MP3C	X	-10	5.5
41	MP3C	Z	5.774	5.5
42	MP3C	Mx	.006	5.5
43	MP4A	X	-2.412	2.5
44	MP4A	Z	1.393	2.5
45	MP4A	Mx	.002	2.5
46	MP4A	X	-2.412	5
47	MP4A	Z	1.393	5
48	MP4A	Mx	.002	5
49	MP4B	X	-3.352	2.5
50	MP4B	Z	1.935	2.5
51	MP4B	Mx	-.002	2.5
52	MP4B	X	-3.352	5
53	MP4B	Z	1.935	5
54	MP4B	Mx	-.002	5
55	MP4C	X	-5.118	2.5
56	MP4C	Z	2.955	2.5
57	MP4C	Mx	-.000684	2.5
58	MP4C	X	-5.118	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4C	Z	2.955	5
60	MP4C	Mx	-.000684	5
61	MP3A	X	-.631	1
62	MP3A	Z	.364	1
63	MP3A	Mx	-.000368	1
64	MP3B	X	-.631	1
65	MP3B	Z	.364	1
66	MP3B	Mx	.000368	1
67	MP3C	X	-.821	1
68	MP3C	Z	.474	1
69	MP3C	Mx	0	1
70	MP2A	X	-3.117	1
71	MP2A	Z	1.8	1
72	MP2A	Mx	-.002	1
73	MP2B	X	-3.117	1
74	MP2B	Z	1.8	1
75	MP2B	Mx	.002	1
76	MP2C	X	-4.148	1
77	MP2C	Z	2.395	1
78	MP2C	Mx	0	1
79	MPRRUA	X	-2.722	1
80	MPRRUA	Z	1.571	1
81	MPRRUA	Mx	-.002	1
82	MP1B	X	-9.981	2
83	MP1B	Z	5.763	2
84	MP1B	Mx	-.011	2
85	MP1B	X	-9.981	5
86	MP1B	Z	5.763	5
87	MP1B	Mx	-.011	5
88	MP5B	X	-9.981	2
89	MP5B	Z	5.763	2
90	MP5B	Mx	-.011	2
91	MP5B	X	-9.981	5
92	MP5B	Z	5.763	5
93	MP5B	Mx	-.011	5
94	MP1A	X	-5.627	2
95	MP1A	Z	3.249	2
96	MP1A	Mx	.007	2
97	MP1A	X	-5.627	5
98	MP1A	Z	3.249	5
99	MP1A	Mx	.007	5
100	MP5A	X	-5.627	2
101	MP5A	Z	3.249	2
102	MP5A	Mx	.007	2
103	MP5A	X	-5.627	5
104	MP5A	Z	3.249	5
105	MP5A	Mx	.007	5
106	MP1C	X	-3.198	2
107	MP1C	Z	1.846	2
108	MP1C	Mx	-.000588	2
109	MP1C	X	-3.198	5
110	MP1C	Z	1.846	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP1C	Mx	-.000588	5
112	MP5C	X	-3.198	2
113	MP5C	Z	1.846	2
114	MP5C	Mx	-.000802	2
115	MP5C	X	-3.198	5
116	MP5C	Z	1.846	5
117	MP5C	Mx	-.000802	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-4.241	1
2	MPRRUB	Z	0	1
3	MPRRUB	Mx	.001	1
4	MPRRUC	X	-4.241	1
5	MPRRUC	Z	0	1
6	MPRRUC	Mx	.001	1
7	MP3A	X	-7.784	1.5
8	MP3A	Z	0	1.5
9	MP3A	Mx	.004	1.5
10	MP3A	X	-7.784	5.5
11	MP3A	Z	0	5.5
12	MP3A	Mx	.004	5.5
13	MP3B	X	-11.2	1.5
14	MP3B	Z	0	1.5
15	MP3B	Mx	.004	1.5
16	MP3B	X	-11.2	5.5
17	MP3B	Z	0	5.5
18	MP3B	Mx	.004	5.5
19	MP3C	X	-10.013	1.5
20	MP3C	Z	0	1.5
21	MP3C	Mx	-.009	1.5
22	MP3C	X	-10.013	5.5
23	MP3C	Z	0	5.5
24	MP3C	Mx	-.009	5.5
25	MP3A	X	-7.784	1.5
26	MP3A	Z	0	1.5
27	MP3A	Mx	.006	1.5
28	MP3A	X	-7.784	5.5
29	MP3A	Z	0	5.5
30	MP3A	Mx	.006	5.5
31	MP3B	X	-11.2	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.01	1.5
34	MP3B	X	-11.2	5.5
35	MP3B	Z	0	5.5
36	MP3B	Mx	-.01	5.5
37	MP3C	X	-10.013	1.5
38	MP3C	Z	0	1.5
39	MP3C	Mx	.000823	1.5
40	MP3C	X	-10.013	5.5
41	MP3C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3C	Mx	.000823	5.5
43	MP4A	X	-2.467	2.5
44	MP4A	Z	0	2.5
45	MP4A	Mx	.002	2.5
46	MP4A	X	-2.467	5
47	MP4A	Z	0	5
48	MP4A	Mx	.002	5
49	MP4B	X	-5.591	2.5
50	MP4B	Z	0	2.5
51	MP4B	Mx	-.001	2.5
52	MP4B	X	-5.591	5
53	MP4B	Z	0	5
54	MP4B	Mx	-.001	5
55	MP4C	X	-4.506	2.5
56	MP4C	Z	0	2.5
57	MP4C	Mx	-.002	2.5
58	MP4C	X	-4.506	5
59	MP4C	Z	0	5
60	MP4C	Mx	-.002	5
61	MP3A	X	-.656	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.000383	1
64	MP3B	X	-.875	1
65	MP3B	Z	0	1
66	MP3B	Mx	.000255	1
67	MP3C	X	-.875	1
68	MP3C	Z	0	1
69	MP3C	Mx	.000255	1
70	MP2A	X	-3.202	1
71	MP2A	Z	0	1
72	MP2A	Mx	-.002	1
73	MP2B	X	-4.393	1
74	MP2B	Z	0	1
75	MP2B	Mx	.001	1
76	MP2C	X	-4.393	1
77	MP2C	Z	0	1
78	MP2C	Mx	.001	1
79	MPRRUA	X	-2.594	1
80	MPRRUA	Z	0	1
81	MPRRUA	Mx	-.002	1
82	MP1B	X	-12.142	2
83	MP1B	Z	0	2
84	MP1B	Mx	-.005	2
85	MP1B	X	-12.142	5
86	MP1B	Z	0	5
87	MP1B	Mx	-.005	5
88	MP5B	X	-12.142	2
89	MP5B	Z	0	2
90	MP5B	Mx	-.005	2
91	MP5B	X	-12.142	5
92	MP5B	Z	0	5
93	MP5B	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1A	X	-6.807	2
95	MP1A	Z	0	2
96	MP1A	Mx	.008	2
97	MP1A	X	-6.807	5
98	MP1A	Z	0	5
99	MP1A	Mx	.008	5
100	MP5A	X	-6.807	2
101	MP5A	Z	0	2
102	MP5A	Mx	.008	2
103	MP5A	X	-6.807	5
104	MP5A	Z	0	5
105	MP5A	Mx	.008	5
106	MP1C	X	-4.063	2
107	MP1C	Z	0	2
108	MP1C	Mx	-.002	2
109	MP1C	X	-4.063	5
110	MP1C	Z	0	5
111	MP1C	Mx	-.002	5
112	MP5C	X	-4.063	2
113	MP5C	Z	0	2
114	MP5C	Mx	-.003	2
115	MP5C	X	-4.063	5
116	MP5C	Z	0	5
117	MP5C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-4.148	1
2	MPRRUB	Z	-2.395	1
3	MPRRUB	Mx	0	1
4	MPRRUC	X	-2.722	1
5	MPRRUC	Z	-1.571	1
6	MPRRUC	Mx	.002	1
7	MP3A	X	-8.07	1.5
8	MP3A	Z	-4.659	1.5
9	MP3A	Mx	.000766	1.5
10	MP3A	X	-8.07	5.5
11	MP3A	Z	-4.659	5.5
12	MP3A	Mx	.000766	5.5
13	MP3B	X	-10	1.5
14	MP3B	Z	-5.774	1.5
15	MP3B	Mx	.009	1.5
16	MP3B	X	-10	5.5
17	MP3B	Z	-5.774	5.5
18	MP3B	Mx	.009	5.5
19	MP3C	X	-7.042	1.5
20	MP3C	Z	-4.066	1.5
21	MP3C	Mx	-.007	1.5
22	MP3C	X	-7.042	5.5
23	MP3C	Z	-4.066	5.5
24	MP3C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3A	X	-8.07	1.5
26	MP3A	Z	-4.659	1.5
27	MP3A	Mx	.009	1.5
28	MP3A	X	-8.07	5.5
29	MP3A	Z	-4.659	5.5
30	MP3A	Mx	.009	5.5
31	MP3B	X	-10	1.5
32	MP3B	Z	-5.774	1.5
33	MP3B	Mx	-.006	1.5
34	MP3B	X	-10	5.5
35	MP3B	Z	-5.774	5.5
36	MP3B	Mx	-.006	5.5
37	MP3C	X	-7.042	1.5
38	MP3C	Z	-4.066	1.5
39	MP3C	Mx	-.003	1.5
40	MP3C	X	-7.042	5.5
41	MP3C	Z	-4.066	5.5
42	MP3C	Mx	-.003	5.5
43	MP4A	X	-3.352	2.5
44	MP4A	Z	-1.935	2.5
45	MP4A	Mx	.002	2.5
46	MP4A	X	-3.352	5
47	MP4A	Z	-1.935	5
48	MP4A	Mx	.002	5
49	MP4B	X	-5.118	2.5
50	MP4B	Z	-2.955	2.5
51	MP4B	Mx	.000684	2.5
52	MP4B	X	-5.118	5
53	MP4B	Z	-2.955	5
54	MP4B	Mx	.000684	5
55	MP4C	X	-2.412	2.5
56	MP4C	Z	-1.393	2.5
57	MP4C	Mx	-.002	2.5
58	MP4C	X	-2.412	5
59	MP4C	Z	-1.393	5
60	MP4C	Mx	-.002	5
61	MP3A	X	-.631	1
62	MP3A	Z	-.364	1
63	MP3A	Mx	-.000368	1
64	MP3B	X	-.821	1
65	MP3B	Z	-.474	1
66	MP3B	Mx	0	1
67	MP3C	X	-.631	1
68	MP3C	Z	-.364	1
69	MP3C	Mx	.000368	1
70	MP2A	X	-3.117	1
71	MP2A	Z	-1.8	1
72	MP2A	Mx	-.002	1
73	MP2B	X	-4.148	1
74	MP2B	Z	-2.395	1
75	MP2B	Mx	0	1
76	MP2C	X	-3.117	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2C	Z	-1.8	1
78	MP2C	Mx	.002	1
79	MPRRUA	X	-2.722	1
80	MPRRUA	Z	-1.571	1
81	MPRRUA	Mx	-.002	1
82	MP1B	X	-10.614	2
83	MP1B	Z	-6.128	2
84	MP1B	Mx	.003	2
85	MP1B	X	-10.614	5
86	MP1B	Z	-6.128	5
87	MP1B	Mx	.003	5
88	MP5B	X	-10.614	2
89	MP5B	Z	-6.128	2
90	MP5B	Mx	.003	2
91	MP5B	X	-10.614	5
92	MP5B	Z	-6.128	5
93	MP5B	Mx	.003	5
94	MP1A	X	-4.71	2
95	MP1A	Z	-2.72	2
96	MP1A	Mx	.005	2
97	MP1A	X	-4.71	5
98	MP1A	Z	-2.72	5
99	MP1A	Mx	.005	5
100	MP5A	X	-4.71	2
101	MP5A	Z	-2.72	2
102	MP5A	Mx	.005	2
103	MP5A	X	-4.71	5
104	MP5A	Z	-2.72	5
105	MP5A	Mx	.005	5
106	MP1C	X	-3.912	2
107	MP1C	Z	-2.258	2
108	MP1C	Mx	-.004	2
109	MP1C	X	-3.912	5
110	MP1C	Z	-2.258	5
111	MP1C	Mx	-.004	5
112	MP5C	X	-3.912	2
113	MP5C	Z	-2.258	2
114	MP5C	Mx	-.005	2
115	MP5C	X	-3.912	5
116	MP5C	Z	-2.258	5
117	MP5C	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MPRRUB	X	-2.121	1
2	MPRRUB	Z	-3.673	1
3	MPRRUB	Mx	-.001	1
4	MPRRUC	X	-1.297	1
5	MPRRUC	Z	-2.246	1
6	MPRRUC	Mx	.002	1
7	MP3A	X	-5.6	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3A	Z	-9.699	1.5
9	MP3A	Mx	-.004	1.5
10	MP3A	X	-5.6	5.5
11	MP3A	Z	-9.699	5.5
12	MP3A	Mx	-.004	5.5
13	MP3B	X	-5.007	1.5
14	MP3B	Z	-8.672	1.5
15	MP3B	Mx	.009	1.5
16	MP3B	X	-5.007	5.5
17	MP3B	Z	-8.672	5.5
18	MP3B	Mx	.009	5.5
19	MP3C	X	-3.892	1.5
20	MP3C	Z	-6.741	1.5
21	MP3C	Mx	-.004	1.5
22	MP3C	X	-3.892	5.5
23	MP3C	Z	-6.741	5.5
24	MP3C	Mx	-.004	5.5
25	MP3A	X	-5.6	1.5
26	MP3A	Z	-9.699	1.5
27	MP3A	Mx	.01	1.5
28	MP3A	X	-5.6	5.5
29	MP3A	Z	-9.699	5.5
30	MP3A	Mx	.01	5.5
31	MP3B	X	-5.007	1.5
32	MP3B	Z	-8.672	1.5
33	MP3B	Mx	-.000823	1.5
34	MP3B	X	-5.007	5.5
35	MP3B	Z	-8.672	5.5
36	MP3B	Mx	-.000823	5.5
37	MP3C	X	-3.892	1.5
38	MP3C	Z	-6.741	1.5
39	MP3C	Mx	-.006	1.5
40	MP3C	X	-3.892	5.5
41	MP3C	Z	-6.741	5.5
42	MP3C	Mx	-.006	5.5
43	MP4A	X	-2.796	2.5
44	MP4A	Z	-4.842	2.5
45	MP4A	Mx	.001	2.5
46	MP4A	X	-2.796	5
47	MP4A	Z	-4.842	5
48	MP4A	Mx	.001	5
49	MP4B	X	-2.253	2.5
50	MP4B	Z	-3.903	2.5
51	MP4B	Mx	.002	2.5
52	MP4B	X	-2.253	5
53	MP4B	Z	-3.903	5
54	MP4B	Mx	.002	5
55	MP4C	X	-1.234	2.5
56	MP4C	Z	-2.137	2.5
57	MP4C	Mx	-.002	2.5
58	MP4C	X	-1.234	5
59	MP4C	Z	-2.137	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4C	Mx	-.002	5
61	MP3A	X	-.437	1
62	MP3A	Z	-.758	1
63	MP3A	Mx	-.000255	1
64	MP3B	X	-.437	1
65	MP3B	Z	-.758	1
66	MP3B	Mx	-.000255	1
67	MP3C	X	-.328	1
68	MP3C	Z	-.568	1
69	MP3C	Mx	.000383	1
70	MP2A	X	-2.197	1
71	MP2A	Z	-3.805	1
72	MP2A	Mx	-.001	1
73	MP2B	X	-2.197	1
74	MP2B	Z	-3.805	1
75	MP2B	Mx	-.001	1
76	MP2C	X	-1.601	1
77	MP2C	Z	-2.773	1
78	MP2C	Mx	.002	1
79	MPRRUA	X	-2.121	1
80	MPRRUA	Z	-3.673	1
81	MPRRUA	Mx	-.001	1
82	MP1B	X	-5.877	2
83	MP1B	Z	-10.179	2
84	MP1B	Mx	.009	2
85	MP1B	X	-5.877	5
86	MP1B	Z	-10.179	5
87	MP1B	Mx	.009	5
88	MP5B	X	-5.877	2
89	MP5B	Z	-10.179	2
90	MP5B	Mx	.009	2
91	MP5B	X	-5.877	5
92	MP5B	Z	-10.179	5
93	MP5B	Mx	.009	5
94	MP1A	X	-1.88	2
95	MP1A	Z	-3.257	2
96	MP1A	Mx	.001	2
97	MP1A	X	-1.88	5
98	MP1A	Z	-3.257	5
99	MP1A	Mx	.001	5
100	MP5A	X	-1.88	2
101	MP5A	Z	-3.257	2
102	MP5A	Mx	.001	2
103	MP5A	X	-1.88	5
104	MP5A	Z	-3.257	5
105	MP5A	Mx	.001	5
106	MP1C	X	-2.3	2
107	MP1C	Z	-3.984	2
108	MP1C	Mx	-.004	2
109	MP1C	X	-2.3	5
110	MP1C	Z	-3.984	5
111	MP1C	Mx	-.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP5C	X	-2.3	2
113	MP5C	Z	-3.984	2
114	MP5C	Mx	-.006	2
115	MP5C	X	-2.3	5
116	MP5C	Z	-3.984	5
117	MP5C	Mx	-.006	5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M6	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M6	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M6	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M6	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.403	-9.403	0	%100
2	M2	Y	-9.403	-9.403	0	%100
3	M3	Y	-9.403	-9.403	0	%100
4	M4	Y	-9.403	-9.403	0	%100
5	M5	Y	-9.403	-9.403	0	%100
6	M6	Y	-9.403	-9.403	0	%100
7	M25	Y	-5.486	-5.486	0	%100
8	M26	Y	-5.486	-5.486	0	%100
9	M27	Y	-5.486	-5.486	0	%100
10	M47	Y	-5.486	-5.486	0	%100
11	M48	Y	-5.486	-5.486	0	%100
12	M49	Y	-5.486	-5.486	0	%100
13	M50	Y	-5.486	-5.486	0	%100
14	M51	Y	-5.486	-5.486	0	%100
15	M52	Y	-5.486	-5.486	0	%100
16	M53	Y	-5.486	-5.486	0	%100
17	M54	Y	-5.486	-5.486	0	%100
18	M54A	Y	-5.486	-5.486	0	%100
19	MP1A	Y	-4.858	-4.858	0	%100
20	MP1B	Y	-4.858	-4.858	0	%100
21	MP1C	Y	-4.858	-4.858	0	%100
22	MP2A	Y	-4.858	-4.858	0	%100
23	MP2B	Y	-4.858	-4.858	0	%100

Member Distributed Loads (BLC 40 : Structure Di) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	MP2C	Y	-4.858	-4.858	0	%100
25	MP3A	Y	-5.551	-5.551	0	%100
26	MP3B	Y	-5.551	-5.551	0	%100
27	MP3C	Y	-5.551	-5.551	0	%100
28	MPRRUA	Y	-4.858	-4.858	0	%100
29	MPRRUB	Y	-4.858	-4.858	0	%100
30	MPRRUC	Y	-4.858	-4.858	0	%100
31	MP4A	Y	-4.858	-4.858	0	%100
32	MP4B	Y	-4.858	-4.858	0	%100
33	MP4C	Y	-4.858	-4.858	0	%100
34	MP5A	Y	-4.858	-4.858	0	%100
35	MP5B	Y	-4.858	-4.858	0	%100
36	MP5C	Y	-4.858	-4.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-12.558	-12.558	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-12.558	-12.558	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-4.409	-4.409	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-4.409	-4.409	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-17.635	-17.635	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-7.289	-7.289	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	-7.289	-7.289	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	-7.289	-7.289	0	%100
19	M47	X	0	0	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	0	0	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	0	0	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	0	0	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	-7.289	-7.289	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	-7.289	-7.289	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	-7.289	-7.289	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-7.289	-7.289	0	%100
35	M54A	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,%]
36	M54A	Z	-7.289	-7.289	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-10.052	-10.052	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	-10.052	-10.052	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-10.052	-10.052	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	-10.052	-10.052	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	-10.052	-10.052	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-10.052	-10.052	0	%100
49	MP3A	X	0	0	0	%100
50	MP3A	Z	-12.168	-12.168	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-12.168	-12.168	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-12.168	-12.168	0	%100
55	MPRRUA	X	0	0	0	%100
56	MPRRUA	Z	-10.052	-10.052	0	%100
57	MPRRUB	X	0	0	0	%100
58	MPRRUB	Z	-10.052	-10.052	0	%100
59	MPRRUC	X	0	0	0	%100
60	MPRRUC	Z	-10.052	-10.052	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-10.052	-10.052	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-10.052	-10.052	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	-10.052	-10.052	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	-10.052	-10.052	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	-10.052	-10.052	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-10.052	-10.052	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	2.093	2.093	0	%100
2	M1	Z	-3.625	-3.625	0	%100
3	M2	X	2.093	2.093	0	%100
4	M2	Z	-3.625	-3.625	0	%100
5	M3	X	8.372	8.372	0	%100
6	M3	Z	-14.501	-14.501	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	6.613	6.613	0	%100
10	M5	Z	-11.454	-11.454	0	%100
11	M6	X	6.613	6.613	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,%]
12	M6	Z	-11.454	-11.454	0	%100
13	M25	X	1.215	1.215	0	%100
14	M25	Z	-2.104	-2.104	0	%100
15	M26	X	1.215	1.215	0	%100
16	M26	Z	-2.104	-2.104	0	%100
17	M27	X	1.215	1.215	0	%100
18	M27	Z	-2.104	-2.104	0	%100
19	M47	X	1.215	1.215	0	%100
20	M47	Z	-2.104	-2.104	0	%100
21	M48	X	1.215	1.215	0	%100
22	M48	Z	-2.104	-2.104	0	%100
23	M49	X	1.215	1.215	0	%100
24	M49	Z	-2.104	-2.104	0	%100
25	M50	X	1.215	1.215	0	%100
26	M50	Z	-2.104	-2.104	0	%100
27	M51	X	4.86	4.86	0	%100
28	M51	Z	-8.417	-8.417	0	%100
29	M52	X	4.86	4.86	0	%100
30	M52	Z	-8.417	-8.417	0	%100
31	M53	X	4.86	4.86	0	%100
32	M53	Z	-8.417	-8.417	0	%100
33	M54	X	4.86	4.86	0	%100
34	M54	Z	-8.417	-8.417	0	%100
35	M54A	X	1.215	1.215	0	%100
36	M54A	Z	-2.104	-2.104	0	%100
37	MP1A	X	5.026	5.026	0	%100
38	MP1A	Z	-8.705	-8.705	0	%100
39	MP1B	X	5.026	5.026	0	%100
40	MP1B	Z	-8.705	-8.705	0	%100
41	MP1C	X	5.026	5.026	0	%100
42	MP1C	Z	-8.705	-8.705	0	%100
43	MP2A	X	5.026	5.026	0	%100
44	MP2A	Z	-8.705	-8.705	0	%100
45	MP2B	X	5.026	5.026	0	%100
46	MP2B	Z	-8.705	-8.705	0	%100
47	MP2C	X	5.026	5.026	0	%100
48	MP2C	Z	-8.705	-8.705	0	%100
49	MP3A	X	6.084	6.084	0	%100
50	MP3A	Z	-10.538	-10.538	0	%100
51	MP3B	X	6.084	6.084	0	%100
52	MP3B	Z	-10.538	-10.538	0	%100
53	MP3C	X	6.084	6.084	0	%100
54	MP3C	Z	-10.538	-10.538	0	%100
55	MPRRUA	X	5.026	5.026	0	%100
56	MPRRUA	Z	-8.705	-8.705	0	%100
57	MPRRUB	X	5.026	5.026	0	%100
58	MPRRUB	Z	-8.705	-8.705	0	%100
59	MPRRUC	X	5.026	5.026	0	%100
60	MPRRUC	Z	-8.705	-8.705	0	%100
61	MP4A	X	5.026	5.026	0	%100
62	MP4A	Z	-8.705	-8.705	0	%100
63	MP4B	X	5.026	5.026	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,%]
64	MP4B	Z	-8.705	-8.705	0	%100
65	MP4C	X	5.026	5.026	0	%100
66	MP4C	Z	-8.705	-8.705	0	%100
67	MP5A	X	5.026	5.026	0	%100
68	MP5A	Z	-8.705	-8.705	0	%100
69	MP5B	X	5.026	5.026	0	%100
70	MP5B	Z	-8.705	-8.705	0	%100
71	MP5C	X	5.026	5.026	0	%100
72	MP5C	Z	-8.705	-8.705	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	10.875	10.875	0	%100
4	M2	Z	-6.279	-6.279	0	%100
5	M3	X	10.875	10.875	0	%100
6	M3	Z	-6.279	-6.279	0	%100
7	M4	X	3.818	3.818	0	%100
8	M4	Z	-2.204	-2.204	0	%100
9	M5	X	15.273	15.273	0	%100
10	M5	Z	-8.818	-8.818	0	%100
11	M6	X	3.818	3.818	0	%100
12	M6	Z	-2.204	-2.204	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	6.313	6.313	0	%100
20	M47	Z	-3.645	-3.645	0	%100
21	M48	X	6.313	6.313	0	%100
22	M48	Z	-3.645	-3.645	0	%100
23	M49	X	6.313	6.313	0	%100
24	M49	Z	-3.645	-3.645	0	%100
25	M50	X	6.313	6.313	0	%100
26	M50	Z	-3.645	-3.645	0	%100
27	M51	X	6.313	6.313	0	%100
28	M51	Z	-3.645	-3.645	0	%100
29	M52	X	6.313	6.313	0	%100
30	M52	Z	-3.645	-3.645	0	%100
31	M53	X	6.313	6.313	0	%100
32	M53	Z	-3.645	-3.645	0	%100
33	M54	X	6.313	6.313	0	%100
34	M54	Z	-3.645	-3.645	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	8.705	8.705	0	%100
38	MP1A	Z	-5.026	-5.026	0	%100
39	MP1B	X	8.705	8.705	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,%]
40	MP1B	Z	-5.026	-5.026	0	%100
41	MP1C	X	8.705	8.705	0	%100
42	MP1C	Z	-5.026	-5.026	0	%100
43	MP2A	X	8.705	8.705	0	%100
44	MP2A	Z	-5.026	-5.026	0	%100
45	MP2B	X	8.705	8.705	0	%100
46	MP2B	Z	-5.026	-5.026	0	%100
47	MP2C	X	8.705	8.705	0	%100
48	MP2C	Z	-5.026	-5.026	0	%100
49	MP3A	X	10.538	10.538	0	%100
50	MP3A	Z	-6.084	-6.084	0	%100
51	MP3B	X	10.538	10.538	0	%100
52	MP3B	Z	-6.084	-6.084	0	%100
53	MP3C	X	10.538	10.538	0	%100
54	MP3C	Z	-6.084	-6.084	0	%100
55	MPRRUA	X	8.705	8.705	0	%100
56	MPRRUA	Z	-5.026	-5.026	0	%100
57	MPRRUB	X	8.705	8.705	0	%100
58	MPRRUB	Z	-5.026	-5.026	0	%100
59	MPRRUC	X	8.705	8.705	0	%100
60	MPRRUC	Z	-5.026	-5.026	0	%100
61	MP4A	X	8.705	8.705	0	%100
62	MP4A	Z	-5.026	-5.026	0	%100
63	MP4B	X	8.705	8.705	0	%100
64	MP4B	Z	-5.026	-5.026	0	%100
65	MP4C	X	8.705	8.705	0	%100
66	MP4C	Z	-5.026	-5.026	0	%100
67	MP5A	X	8.705	8.705	0	%100
68	MP5A	Z	-5.026	-5.026	0	%100
69	MP5B	X	8.705	8.705	0	%100
70	MP5B	Z	-5.026	-5.026	0	%100
71	MP5C	X	8.705	8.705	0	%100
72	MP5C	Z	-5.026	-5.026	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	4.186	4.186	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	16.744	16.744	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	4.186	4.186	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	13.226	13.226	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	13.226	13.226	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M25	X	2.43	2.43	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	2.43	2.43	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	M26	Z	0	0	0	%100
17	M27	X	2.43	2.43	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	9.719	9.719	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	9.719	9.719	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	9.719	9.719	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	9.719	9.719	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	2.43	2.43	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	2.43	2.43	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	2.43	2.43	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	2.43	2.43	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	2.43	2.43	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	10.052	10.052	0	%100
38	MP1A	Z	0	0	0	%100
39	MP1B	X	10.052	10.052	0	%100
40	MP1B	Z	0	0	0	%100
41	MP1C	X	10.052	10.052	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2A	X	10.052	10.052	0	%100
44	MP2A	Z	0	0	0	%100
45	MP2B	X	10.052	10.052	0	%100
46	MP2B	Z	0	0	0	%100
47	MP2C	X	10.052	10.052	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3A	X	12.168	12.168	0	%100
50	MP3A	Z	0	0	0	%100
51	MP3B	X	12.168	12.168	0	%100
52	MP3B	Z	0	0	0	%100
53	MP3C	X	12.168	12.168	0	%100
54	MP3C	Z	0	0	0	%100
55	MPRRUA	X	10.052	10.052	0	%100
56	MPRRUA	Z	0	0	0	%100
57	MPRRUB	X	10.052	10.052	0	%100
58	MPRRUB	Z	0	0	0	%100
59	MPRRUC	X	10.052	10.052	0	%100
60	MPRRUC	Z	0	0	0	%100
61	MP4A	X	10.052	10.052	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	10.052	10.052	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	10.052	10.052	0	%100
66	MP4C	Z	0	0	0	%100
67	MP5A	X	10.052	10.052	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,%]
68	MP5A	Z	0	0	0	%100
69	MP5B	X	10.052	10.052	0	%100
70	MP5B	Z	0	0	0	%100
71	MP5C	X	10.052	10.052	0	%100
72	MP5C	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	10.875	10.875	0	%100
2	M1	Z	6.279	6.279	0	%100
3	M2	X	10.875	10.875	0	%100
4	M2	Z	6.279	6.279	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	15.273	15.273	0	%100
8	M4	Z	8.818	8.818	0	%100
9	M5	X	3.818	3.818	0	%100
10	M5	Z	2.204	2.204	0	%100
11	M6	X	3.818	3.818	0	%100
12	M6	Z	2.204	2.204	0	%100
13	M25	X	6.313	6.313	0	%100
14	M25	Z	3.645	3.645	0	%100
15	M26	X	6.313	6.313	0	%100
16	M26	Z	3.645	3.645	0	%100
17	M27	X	6.313	6.313	0	%100
18	M27	Z	3.645	3.645	0	%100
19	M47	X	6.313	6.313	0	%100
20	M47	Z	3.645	3.645	0	%100
21	M48	X	6.313	6.313	0	%100
22	M48	Z	3.645	3.645	0	%100
23	M49	X	6.313	6.313	0	%100
24	M49	Z	3.645	3.645	0	%100
25	M50	X	6.313	6.313	0	%100
26	M50	Z	3.645	3.645	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	6.313	6.313	0	%100
36	M54A	Z	3.645	3.645	0	%100
37	MP1A	X	8.705	8.705	0	%100
38	MP1A	Z	5.026	5.026	0	%100
39	MP1B	X	8.705	8.705	0	%100
40	MP1B	Z	5.026	5.026	0	%100
41	MP1C	X	8.705	8.705	0	%100
42	MP1C	Z	5.026	5.026	0	%100
43	MP2A	X	8.705	8.705	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,%]
44	MP2A	Z	5.026	5.026	0	%100
45	MP2B	X	8.705	8.705	0	%100
46	MP2B	Z	5.026	5.026	0	%100
47	MP2C	X	8.705	8.705	0	%100
48	MP2C	Z	5.026	5.026	0	%100
49	MP3A	X	10.538	10.538	0	%100
50	MP3A	Z	6.084	6.084	0	%100
51	MP3B	X	10.538	10.538	0	%100
52	MP3B	Z	6.084	6.084	0	%100
53	MP3C	X	10.538	10.538	0	%100
54	MP3C	Z	6.084	6.084	0	%100
55	MPRRUA	X	8.705	8.705	0	%100
56	MPRRUA	Z	5.026	5.026	0	%100
57	MPRRUB	X	8.705	8.705	0	%100
58	MPRRUB	Z	5.026	5.026	0	%100
59	MPRRUC	X	8.705	8.705	0	%100
60	MPRRUC	Z	5.026	5.026	0	%100
61	MP4A	X	8.705	8.705	0	%100
62	MP4A	Z	5.026	5.026	0	%100
63	MP4B	X	8.705	8.705	0	%100
64	MP4B	Z	5.026	5.026	0	%100
65	MP4C	X	8.705	8.705	0	%100
66	MP4C	Z	5.026	5.026	0	%100
67	MP5A	X	8.705	8.705	0	%100
68	MP5A	Z	5.026	5.026	0	%100
69	MP5B	X	8.705	8.705	0	%100
70	MP5B	Z	5.026	5.026	0	%100
71	MP5C	X	8.705	8.705	0	%100
72	MP5C	Z	5.026	5.026	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	8.372	8.372	0	%100
2	M1	Z	14.501	14.501	0	%100
3	M2	X	2.093	2.093	0	%100
4	M2	Z	3.625	3.625	0	%100
5	M3	X	2.093	2.093	0	%100
6	M3	Z	3.625	3.625	0	%100
7	M4	X	6.613	6.613	0	%100
8	M4	Z	11.454	11.454	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	6.613	6.613	0	%100
12	M6	Z	11.454	11.454	0	%100
13	M25	X	4.86	4.86	0	%100
14	M25	Z	8.417	8.417	0	%100
15	M26	X	4.86	4.86	0	%100
16	M26	Z	8.417	8.417	0	%100
17	M27	X	4.86	4.86	0	%100
18	M27	Z	8.417	8.417	0	%100
19	M47	X	1.215	1.215	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,%]
20	M47	Z	2.104	2.104	0	%100
21	M48	X	1.215	1.215	0	%100
22	M48	Z	2.104	2.104	0	%100
23	M49	X	1.215	1.215	0	%100
24	M49	Z	2.104	2.104	0	%100
25	M50	X	1.215	1.215	0	%100
26	M50	Z	2.104	2.104	0	%100
27	M51	X	1.215	1.215	0	%100
28	M51	Z	2.104	2.104	0	%100
29	M52	X	1.215	1.215	0	%100
30	M52	Z	2.104	2.104	0	%100
31	M53	X	1.215	1.215	0	%100
32	M53	Z	2.104	2.104	0	%100
33	M54	X	1.215	1.215	0	%100
34	M54	Z	2.104	2.104	0	%100
35	M54A	X	4.86	4.86	0	%100
36	M54A	Z	8.417	8.417	0	%100
37	MP1A	X	5.026	5.026	0	%100
38	MP1A	Z	8.705	8.705	0	%100
39	MP1B	X	5.026	5.026	0	%100
40	MP1B	Z	8.705	8.705	0	%100
41	MP1C	X	5.026	5.026	0	%100
42	MP1C	Z	8.705	8.705	0	%100
43	MP2A	X	5.026	5.026	0	%100
44	MP2A	Z	8.705	8.705	0	%100
45	MP2B	X	5.026	5.026	0	%100
46	MP2B	Z	8.705	8.705	0	%100
47	MP2C	X	5.026	5.026	0	%100
48	MP2C	Z	8.705	8.705	0	%100
49	MP3A	X	6.084	6.084	0	%100
50	MP3A	Z	10.538	10.538	0	%100
51	MP3B	X	6.084	6.084	0	%100
52	MP3B	Z	10.538	10.538	0	%100
53	MP3C	X	6.084	6.084	0	%100
54	MP3C	Z	10.538	10.538	0	%100
55	MPRRUA	X	5.026	5.026	0	%100
56	MPRRUA	Z	8.705	8.705	0	%100
57	MPRRUB	X	5.026	5.026	0	%100
58	MPRRUB	Z	8.705	8.705	0	%100
59	MPRRUC	X	5.026	5.026	0	%100
60	MPRRUC	Z	8.705	8.705	0	%100
61	MP4A	X	5.026	5.026	0	%100
62	MP4A	Z	8.705	8.705	0	%100
63	MP4B	X	5.026	5.026	0	%100
64	MP4B	Z	8.705	8.705	0	%100
65	MP4C	X	5.026	5.026	0	%100
66	MP4C	Z	8.705	8.705	0	%100
67	MP5A	X	5.026	5.026	0	%100
68	MP5A	Z	8.705	8.705	0	%100
69	MP5B	X	5.026	5.026	0	%100
70	MP5B	Z	8.705	8.705	0	%100
71	MP5C	X	5.026	5.026	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,%]
72	MP5C	Z	8.705	8.705	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	12.558	12.558	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	12.558	12.558	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	4.409	4.409	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	4.409	4.409	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	17.635	17.635	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	7.289	7.289	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	7.289	7.289	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	7.289	7.289	0	%100
19	M47	X	0	0	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	0	0	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	0	0	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	0	0	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	7.289	7.289	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	7.289	7.289	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	7.289	7.289	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	7.289	7.289	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	7.289	7.289	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	10.052	10.052	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	10.052	10.052	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	10.052	10.052	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	10.052	10.052	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	10.052	10.052	0	%100
47	MP2C	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,%]
48	MP2C	Z	10.052	10.052	0	%100
49	MP3A	X	0	0	0	%100
50	MP3A	Z	12.168	12.168	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	12.168	12.168	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	12.168	12.168	0	%100
55	MPRRUA	X	0	0	0	%100
56	MPRRUA	Z	10.052	10.052	0	%100
57	MPRRUB	X	0	0	0	%100
58	MPRRUB	Z	10.052	10.052	0	%100
59	MPRRUC	X	0	0	0	%100
60	MPRRUC	Z	10.052	10.052	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	10.052	10.052	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	10.052	10.052	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	10.052	10.052	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	10.052	10.052	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	10.052	10.052	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	10.052	10.052	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	-2.093	-2.093	0	%100
2	M1	Z	3.625	3.625	0	%100
3	M2	X	-2.093	-2.093	0	%100
4	M2	Z	3.625	3.625	0	%100
5	M3	X	-8.372	-8.372	0	%100
6	M3	Z	14.501	14.501	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-6.613	-6.613	0	%100
10	M5	Z	11.454	11.454	0	%100
11	M6	X	-6.613	-6.613	0	%100
12	M6	Z	11.454	11.454	0	%100
13	M25	X	-1.215	-1.215	0	%100
14	M25	Z	2.104	2.104	0	%100
15	M26	X	-1.215	-1.215	0	%100
16	M26	Z	2.104	2.104	0	%100
17	M27	X	-1.215	-1.215	0	%100
18	M27	Z	2.104	2.104	0	%100
19	M47	X	-1.215	-1.215	0	%100
20	M47	Z	2.104	2.104	0	%100
21	M48	X	-1.215	-1.215	0	%100
22	M48	Z	2.104	2.104	0	%100
23	M49	X	-1.215	-1.215	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,%]
24	M49	Z	2.104	2.104	0	%100
25	M50	X	-1.215	-1.215	0	%100
26	M50	Z	2.104	2.104	0	%100
27	M51	X	-4.86	-4.86	0	%100
28	M51	Z	8.417	8.417	0	%100
29	M52	X	-4.86	-4.86	0	%100
30	M52	Z	8.417	8.417	0	%100
31	M53	X	-4.86	-4.86	0	%100
32	M53	Z	8.417	8.417	0	%100
33	M54	X	-4.86	-4.86	0	%100
34	M54	Z	8.417	8.417	0	%100
35	M54A	X	-1.215	-1.215	0	%100
36	M54A	Z	2.104	2.104	0	%100
37	MP1A	X	-5.026	-5.026	0	%100
38	MP1A	Z	8.705	8.705	0	%100
39	MP1B	X	-5.026	-5.026	0	%100
40	MP1B	Z	8.705	8.705	0	%100
41	MP1C	X	-5.026	-5.026	0	%100
42	MP1C	Z	8.705	8.705	0	%100
43	MP2A	X	-5.026	-5.026	0	%100
44	MP2A	Z	8.705	8.705	0	%100
45	MP2B	X	-5.026	-5.026	0	%100
46	MP2B	Z	8.705	8.705	0	%100
47	MP2C	X	-5.026	-5.026	0	%100
48	MP2C	Z	8.705	8.705	0	%100
49	MP3A	X	-6.084	-6.084	0	%100
50	MP3A	Z	10.538	10.538	0	%100
51	MP3B	X	-6.084	-6.084	0	%100
52	MP3B	Z	10.538	10.538	0	%100
53	MP3C	X	-6.084	-6.084	0	%100
54	MP3C	Z	10.538	10.538	0	%100
55	MPRRUA	X	-5.026	-5.026	0	%100
56	MPRRUA	Z	8.705	8.705	0	%100
57	MPRRUB	X	-5.026	-5.026	0	%100
58	MPRRUB	Z	8.705	8.705	0	%100
59	MPRRUC	X	-5.026	-5.026	0	%100
60	MPRRUC	Z	8.705	8.705	0	%100
61	MP4A	X	-5.026	-5.026	0	%100
62	MP4A	Z	8.705	8.705	0	%100
63	MP4B	X	-5.026	-5.026	0	%100
64	MP4B	Z	8.705	8.705	0	%100
65	MP4C	X	-5.026	-5.026	0	%100
66	MP4C	Z	8.705	8.705	0	%100
67	MP5A	X	-5.026	-5.026	0	%100
68	MP5A	Z	8.705	8.705	0	%100
69	MP5B	X	-5.026	-5.026	0	%100
70	MP5B	Z	8.705	8.705	0	%100
71	MP5C	X	-5.026	-5.026	0	%100
72	MP5C	Z	8.705	8.705	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,%]

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,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-10.875	-10.875	0	%100
4	M2	Z	6.279	6.279	0	%100
5	M3	X	-10.875	-10.875	0	%100
6	M3	Z	6.279	6.279	0	%100
7	M4	X	-3.818	-3.818	0	%100
8	M4	Z	2.204	2.204	0	%100
9	M5	X	-15.273	-15.273	0	%100
10	M5	Z	8.818	8.818	0	%100
11	M6	X	-3.818	-3.818	0	%100
12	M6	Z	2.204	2.204	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	-6.313	-6.313	0	%100
20	M47	Z	3.645	3.645	0	%100
21	M48	X	-6.313	-6.313	0	%100
22	M48	Z	3.645	3.645	0	%100
23	M49	X	-6.313	-6.313	0	%100
24	M49	Z	3.645	3.645	0	%100
25	M50	X	-6.313	-6.313	0	%100
26	M50	Z	3.645	3.645	0	%100
27	M51	X	-6.313	-6.313	0	%100
28	M51	Z	3.645	3.645	0	%100
29	M52	X	-6.313	-6.313	0	%100
30	M52	Z	3.645	3.645	0	%100
31	M53	X	-6.313	-6.313	0	%100
32	M53	Z	3.645	3.645	0	%100
33	M54	X	-6.313	-6.313	0	%100
34	M54	Z	3.645	3.645	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	-8.705	-8.705	0	%100
38	MP1A	Z	5.026	5.026	0	%100
39	MP1B	X	-8.705	-8.705	0	%100
40	MP1B	Z	5.026	5.026	0	%100
41	MP1C	X	-8.705	-8.705	0	%100
42	MP1C	Z	5.026	5.026	0	%100
43	MP2A	X	-8.705	-8.705	0	%100
44	MP2A	Z	5.026	5.026	0	%100
45	MP2B	X	-8.705	-8.705	0	%100
46	MP2B	Z	5.026	5.026	0	%100
47	MP2C	X	-8.705	-8.705	0	%100
48	MP2C	Z	5.026	5.026	0	%100
49	MP3A	X	-10.538	-10.538	0	%100
50	MP3A	Z	6.084	6.084	0	%100
51	MP3B	X	-10.538	-10.538	0	%100
52	MP3B	Z	6.084	6.084	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,%]
53	MP3C	X	-10.538	-10.538	0	%100
54	MP3C	Z	6.084	6.084	0	%100
55	MPRRUA	X	-8.705	-8.705	0	%100
56	MPRRUA	Z	5.026	5.026	0	%100
57	MPRRUB	X	-8.705	-8.705	0	%100
58	MPRRUB	Z	5.026	5.026	0	%100
59	MPRRUC	X	-8.705	-8.705	0	%100
60	MPRRUC	Z	5.026	5.026	0	%100
61	MP4A	X	-8.705	-8.705	0	%100
62	MP4A	Z	5.026	5.026	0	%100
63	MP4B	X	-8.705	-8.705	0	%100
64	MP4B	Z	5.026	5.026	0	%100
65	MP4C	X	-8.705	-8.705	0	%100
66	MP4C	Z	5.026	5.026	0	%100
67	MP5A	X	-8.705	-8.705	0	%100
68	MP5A	Z	5.026	5.026	0	%100
69	MP5B	X	-8.705	-8.705	0	%100
70	MP5B	Z	5.026	5.026	0	%100
71	MP5C	X	-8.705	-8.705	0	%100
72	MP5C	Z	5.026	5.026	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	-4.186	-4.186	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-16.744	-16.744	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-4.186	-4.186	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-13.226	-13.226	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-13.226	-13.226	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M25	X	-2.43	-2.43	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	-2.43	-2.43	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	-2.43	-2.43	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	-9.719	-9.719	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	-9.719	-9.719	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	-9.719	-9.719	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	-9.719	-9.719	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	-2.43	-2.43	0	%100
28	M51	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M52	X	-2.43	-2.43	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	-2.43	-2.43	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	-2.43	-2.43	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	-2.43	-2.43	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	-10.052	-10.052	0	%100
38	MP1A	Z	0	0	0	%100
39	MP1B	X	-10.052	-10.052	0	%100
40	MP1B	Z	0	0	0	%100
41	MP1C	X	-10.052	-10.052	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2A	X	-10.052	-10.052	0	%100
44	MP2A	Z	0	0	0	%100
45	MP2B	X	-10.052	-10.052	0	%100
46	MP2B	Z	0	0	0	%100
47	MP2C	X	-10.052	-10.052	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3A	X	-12.168	-12.168	0	%100
50	MP3A	Z	0	0	0	%100
51	MP3B	X	-12.168	-12.168	0	%100
52	MP3B	Z	0	0	0	%100
53	MP3C	X	-12.168	-12.168	0	%100
54	MP3C	Z	0	0	0	%100
55	MPRRUA	X	-10.052	-10.052	0	%100
56	MPRRUA	Z	0	0	0	%100
57	MPRRUB	X	-10.052	-10.052	0	%100
58	MPRRUB	Z	0	0	0	%100
59	MPRRUC	X	-10.052	-10.052	0	%100
60	MPRRUC	Z	0	0	0	%100
61	MP4A	X	-10.052	-10.052	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	-10.052	-10.052	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	-10.052	-10.052	0	%100
66	MP4C	Z	0	0	0	%100
67	MP5A	X	-10.052	-10.052	0	%100
68	MP5A	Z	0	0	0	%100
69	MP5B	X	-10.052	-10.052	0	%100
70	MP5B	Z	0	0	0	%100
71	MP5C	X	-10.052	-10.052	0	%100
72	MP5C	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	-10.875	-10.875	0	%100
2	M1	Z	-6.279	-6.279	0	%100
3	M2	X	-10.875	-10.875	0	%100
4	M2	Z	-6.279	-6.279	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,%]
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-15.273	-15.273	0	%100
8	M4	Z	-8.818	-8.818	0	%100
9	M5	X	-3.818	-3.818	0	%100
10	M5	Z	-2.204	-2.204	0	%100
11	M6	X	-3.818	-3.818	0	%100
12	M6	Z	-2.204	-2.204	0	%100
13	M25	X	-6.313	-6.313	0	%100
14	M25	Z	-3.645	-3.645	0	%100
15	M26	X	-6.313	-6.313	0	%100
16	M26	Z	-3.645	-3.645	0	%100
17	M27	X	-6.313	-6.313	0	%100
18	M27	Z	-3.645	-3.645	0	%100
19	M47	X	-6.313	-6.313	0	%100
20	M47	Z	-3.645	-3.645	0	%100
21	M48	X	-6.313	-6.313	0	%100
22	M48	Z	-3.645	-3.645	0	%100
23	M49	X	-6.313	-6.313	0	%100
24	M49	Z	-3.645	-3.645	0	%100
25	M50	X	-6.313	-6.313	0	%100
26	M50	Z	-3.645	-3.645	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	-6.313	-6.313	0	%100
36	M54A	Z	-3.645	-3.645	0	%100
37	MP1A	X	-8.705	-8.705	0	%100
38	MP1A	Z	-5.026	-5.026	0	%100
39	MP1B	X	-8.705	-8.705	0	%100
40	MP1B	Z	-5.026	-5.026	0	%100
41	MP1C	X	-8.705	-8.705	0	%100
42	MP1C	Z	-5.026	-5.026	0	%100
43	MP2A	X	-8.705	-8.705	0	%100
44	MP2A	Z	-5.026	-5.026	0	%100
45	MP2B	X	-8.705	-8.705	0	%100
46	MP2B	Z	-5.026	-5.026	0	%100
47	MP2C	X	-8.705	-8.705	0	%100
48	MP2C	Z	-5.026	-5.026	0	%100
49	MP3A	X	-10.538	-10.538	0	%100
50	MP3A	Z	-6.084	-6.084	0	%100
51	MP3B	X	-10.538	-10.538	0	%100
52	MP3B	Z	-6.084	-6.084	0	%100
53	MP3C	X	-10.538	-10.538	0	%100
54	MP3C	Z	-6.084	-6.084	0	%100
55	MPRRUA	X	-8.705	-8.705	0	%100
56	MPRRUA	Z	-5.026	-5.026	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,%]
57	MPRRUB	X	-8.705	-8.705	0	%100
58	MPRRUB	Z	-5.026	-5.026	0	%100
59	MPRRUC	X	-8.705	-8.705	0	%100
60	MPRRUC	Z	-5.026	-5.026	0	%100
61	MP4A	X	-8.705	-8.705	0	%100
62	MP4A	Z	-5.026	-5.026	0	%100
63	MP4B	X	-8.705	-8.705	0	%100
64	MP4B	Z	-5.026	-5.026	0	%100
65	MP4C	X	-8.705	-8.705	0	%100
66	MP4C	Z	-5.026	-5.026	0	%100
67	MP5A	X	-8.705	-8.705	0	%100
68	MP5A	Z	-5.026	-5.026	0	%100
69	MP5B	X	-8.705	-8.705	0	%100
70	MP5B	Z	-5.026	-5.026	0	%100
71	MP5C	X	-8.705	-8.705	0	%100
72	MP5C	Z	-5.026	-5.026	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	-8.372	-8.372	0	%100
2	M1	Z	-14.501	-14.501	0	%100
3	M2	X	-2.093	-2.093	0	%100
4	M2	Z	-3.625	-3.625	0	%100
5	M3	X	-2.093	-2.093	0	%100
6	M3	Z	-3.625	-3.625	0	%100
7	M4	X	-6.613	-6.613	0	%100
8	M4	Z	-11.454	-11.454	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-6.613	-6.613	0	%100
12	M6	Z	-11.454	-11.454	0	%100
13	M25	X	-4.86	-4.86	0	%100
14	M25	Z	-8.417	-8.417	0	%100
15	M26	X	-4.86	-4.86	0	%100
16	M26	Z	-8.417	-8.417	0	%100
17	M27	X	-4.86	-4.86	0	%100
18	M27	Z	-8.417	-8.417	0	%100
19	M47	X	-1.215	-1.215	0	%100
20	M47	Z	-2.104	-2.104	0	%100
21	M48	X	-1.215	-1.215	0	%100
22	M48	Z	-2.104	-2.104	0	%100
23	M49	X	-1.215	-1.215	0	%100
24	M49	Z	-2.104	-2.104	0	%100
25	M50	X	-1.215	-1.215	0	%100
26	M50	Z	-2.104	-2.104	0	%100
27	M51	X	-1.215	-1.215	0	%100
28	M51	Z	-2.104	-2.104	0	%100
29	M52	X	-1.215	-1.215	0	%100
30	M52	Z	-2.104	-2.104	0	%100
31	M53	X	-1.215	-1.215	0	%100
32	M53	Z	-2.104	-2.104	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,%]
33	M54	X	-1.215	-1.215	0	%100
34	M54	Z	-2.104	-2.104	0	%100
35	M54A	X	-4.86	-4.86	0	%100
36	M54A	Z	-8.417	-8.417	0	%100
37	MP1A	X	-5.026	-5.026	0	%100
38	MP1A	Z	-8.705	-8.705	0	%100
39	MP1B	X	-5.026	-5.026	0	%100
40	MP1B	Z	-8.705	-8.705	0	%100
41	MP1C	X	-5.026	-5.026	0	%100
42	MP1C	Z	-8.705	-8.705	0	%100
43	MP2A	X	-5.026	-5.026	0	%100
44	MP2A	Z	-8.705	-8.705	0	%100
45	MP2B	X	-5.026	-5.026	0	%100
46	MP2B	Z	-8.705	-8.705	0	%100
47	MP2C	X	-5.026	-5.026	0	%100
48	MP2C	Z	-8.705	-8.705	0	%100
49	MP3A	X	-6.084	-6.084	0	%100
50	MP3A	Z	-10.538	-10.538	0	%100
51	MP3B	X	-6.084	-6.084	0	%100
52	MP3B	Z	-10.538	-10.538	0	%100
53	MP3C	X	-6.084	-6.084	0	%100
54	MP3C	Z	-10.538	-10.538	0	%100
55	MPRRUA	X	-5.026	-5.026	0	%100
56	MPRRUA	Z	-8.705	-8.705	0	%100
57	MPRRUB	X	-5.026	-5.026	0	%100
58	MPRRUB	Z	-8.705	-8.705	0	%100
59	MPRRUC	X	-5.026	-5.026	0	%100
60	MPRRUC	Z	-8.705	-8.705	0	%100
61	MP4A	X	-5.026	-5.026	0	%100
62	MP4A	Z	-8.705	-8.705	0	%100
63	MP4B	X	-5.026	-5.026	0	%100
64	MP4B	Z	-8.705	-8.705	0	%100
65	MP4C	X	-5.026	-5.026	0	%100
66	MP4C	Z	-8.705	-8.705	0	%100
67	MP5A	X	-5.026	-5.026	0	%100
68	MP5A	Z	-8.705	-8.705	0	%100
69	MP5B	X	-5.026	-5.026	0	%100
70	MP5B	Z	-8.705	-8.705	0	%100
71	MP5C	X	-5.026	-5.026	0	%100
72	MP5C	Z	-8.705	-8.705	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.321	-3.321	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-3.321	-3.321	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-1.144	-1.144	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,%]
9	M5	X	0	0	0	%100
10	M5	Z	-1.144	-1.144	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-4.578	-4.578	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-2.004	-2.004	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	-2.004	-2.004	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	-2.004	-2.004	0	%100
19	M47	X	0	0	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	0	0	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	0	0	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	0	0	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	-2.004	-2.004	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	-2.004	-2.004	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	-2.004	-2.004	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-2.004	-2.004	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	-2.004	-2.004	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-3.303	-3.303	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	-3.303	-3.303	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-3.303	-3.303	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	-3.303	-3.303	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	-3.303	-3.303	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-3.303	-3.303	0	%100
49	MP3A	X	0	0	0	%100
50	MP3A	Z	-3.659	-3.659	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-3.659	-3.659	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-3.659	-3.659	0	%100
55	MPRRUA	X	0	0	0	%100
56	MPRRUA	Z	-3.303	-3.303	0	%100
57	MPRRUB	X	0	0	0	%100
58	MPRRUB	Z	-3.303	-3.303	0	%100
59	MPRRUC	X	0	0	0	%100
60	MPRRUC	Z	-3.303	-3.303	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,%]
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-3.303	-3.303	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-3.303	-3.303	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	-3.303	-3.303	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	-3.303	-3.303	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	-3.303	-3.303	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-3.303	-3.303	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	.553	.553	0	%100
2	M1	Z	-.959	-.959	0	%100
3	M2	X	.553	.553	0	%100
4	M2	Z	-.959	-.959	0	%100
5	M3	X	2.214	2.214	0	%100
6	M3	Z	-3.835	-3.835	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.717	1.717	0	%100
10	M5	Z	-2.973	-2.973	0	%100
11	M6	X	1.717	1.717	0	%100
12	M6	Z	-2.973	-2.973	0	%100
13	M25	X	.334	.334	0	%100
14	M25	Z	-.578	-.578	0	%100
15	M26	X	.334	.334	0	%100
16	M26	Z	-.578	-.578	0	%100
17	M27	X	.334	.334	0	%100
18	M27	Z	-.578	-.578	0	%100
19	M47	X	.334	.334	0	%100
20	M47	Z	-.578	-.578	0	%100
21	M48	X	.334	.334	0	%100
22	M48	Z	-.578	-.578	0	%100
23	M49	X	.334	.334	0	%100
24	M49	Z	-.578	-.578	0	%100
25	M50	X	.334	.334	0	%100
26	M50	Z	-.578	-.578	0	%100
27	M51	X	1.336	1.336	0	%100
28	M51	Z	-2.314	-2.314	0	%100
29	M52	X	1.336	1.336	0	%100
30	M52	Z	-2.314	-2.314	0	%100
31	M53	X	1.336	1.336	0	%100
32	M53	Z	-2.314	-2.314	0	%100
33	M54	X	1.336	1.336	0	%100
34	M54	Z	-2.314	-2.314	0	%100
35	M54A	X	.334	.334	0	%100
36	M54A	Z	-.578	-.578	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,%]
37	MP1A	X	1.651	1.651	0	%100
38	MP1A	Z	-2.86	-2.86	0	%100
39	MP1B	X	1.651	1.651	0	%100
40	MP1B	Z	-2.86	-2.86	0	%100
41	MP1C	X	1.651	1.651	0	%100
42	MP1C	Z	-2.86	-2.86	0	%100
43	MP2A	X	1.651	1.651	0	%100
44	MP2A	Z	-2.86	-2.86	0	%100
45	MP2B	X	1.651	1.651	0	%100
46	MP2B	Z	-2.86	-2.86	0	%100
47	MP2C	X	1.651	1.651	0	%100
48	MP2C	Z	-2.86	-2.86	0	%100
49	MP3A	X	1.829	1.829	0	%100
50	MP3A	Z	-3.169	-3.169	0	%100
51	MP3B	X	1.829	1.829	0	%100
52	MP3B	Z	-3.169	-3.169	0	%100
53	MP3C	X	1.829	1.829	0	%100
54	MP3C	Z	-3.169	-3.169	0	%100
55	MPRRUA	X	1.651	1.651	0	%100
56	MPRRUA	Z	-2.86	-2.86	0	%100
57	MPRRUB	X	1.651	1.651	0	%100
58	MPRRUB	Z	-2.86	-2.86	0	%100
59	MPRRUC	X	1.651	1.651	0	%100
60	MPRRUC	Z	-2.86	-2.86	0	%100
61	MP4A	X	1.651	1.651	0	%100
62	MP4A	Z	-2.86	-2.86	0	%100
63	MP4B	X	1.651	1.651	0	%100
64	MP4B	Z	-2.86	-2.86	0	%100
65	MP4C	X	1.651	1.651	0	%100
66	MP4C	Z	-2.86	-2.86	0	%100
67	MP5A	X	1.651	1.651	0	%100
68	MP5A	Z	-2.86	-2.86	0	%100
69	MP5B	X	1.651	1.651	0	%100
70	MP5B	Z	-2.86	-2.86	0	%100
71	MP5C	X	1.651	1.651	0	%100
72	MP5C	Z	-2.86	-2.86	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.876	2.876	0	%100
4	M2	Z	-1.66	-1.66	0	%100
5	M3	X	2.876	2.876	0	%100
6	M3	Z	-1.66	-1.66	0	%100
7	M4	X	.991	.991	0	%100
8	M4	Z	-.572	-.572	0	%100
9	M5	X	3.965	3.965	0	%100
10	M5	Z	-2.289	-2.289	0	%100
11	M6	X	.991	.991	0	%100
12	M6	Z	-.572	-.572	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,%]
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	1.735	1.735	0	%100
20	M47	Z	-1.002	-1.002	0	%100
21	M48	X	1.735	1.735	0	%100
22	M48	Z	-1.002	-1.002	0	%100
23	M49	X	1.735	1.735	0	%100
24	M49	Z	-1.002	-1.002	0	%100
25	M50	X	1.735	1.735	0	%100
26	M50	Z	-1.002	-1.002	0	%100
27	M51	X	1.735	1.735	0	%100
28	M51	Z	-1.002	-1.002	0	%100
29	M52	X	1.735	1.735	0	%100
30	M52	Z	-1.002	-1.002	0	%100
31	M53	X	1.735	1.735	0	%100
32	M53	Z	-1.002	-1.002	0	%100
33	M54	X	1.735	1.735	0	%100
34	M54	Z	-1.002	-1.002	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	2.86	2.86	0	%100
38	MP1A	Z	-1.651	-1.651	0	%100
39	MP1B	X	2.86	2.86	0	%100
40	MP1B	Z	-1.651	-1.651	0	%100
41	MP1C	X	2.86	2.86	0	%100
42	MP1C	Z	-1.651	-1.651	0	%100
43	MP2A	X	2.86	2.86	0	%100
44	MP2A	Z	-1.651	-1.651	0	%100
45	MP2B	X	2.86	2.86	0	%100
46	MP2B	Z	-1.651	-1.651	0	%100
47	MP2C	X	2.86	2.86	0	%100
48	MP2C	Z	-1.651	-1.651	0	%100
49	MP3A	X	3.169	3.169	0	%100
50	MP3A	Z	-1.829	-1.829	0	%100
51	MP3B	X	3.169	3.169	0	%100
52	MP3B	Z	-1.829	-1.829	0	%100
53	MP3C	X	3.169	3.169	0	%100
54	MP3C	Z	-1.829	-1.829	0	%100
55	MPRRUA	X	2.86	2.86	0	%100
56	MPRRUA	Z	-1.651	-1.651	0	%100
57	MPRRUB	X	2.86	2.86	0	%100
58	MPRRUB	Z	-1.651	-1.651	0	%100
59	MPRRUC	X	2.86	2.86	0	%100
60	MPRRUC	Z	-1.651	-1.651	0	%100
61	MP4A	X	2.86	2.86	0	%100
62	MP4A	Z	-1.651	-1.651	0	%100
63	MP4B	X	2.86	2.86	0	%100
64	MP4B	Z	-1.651	-1.651	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,%]
65	MP4C	X	2.86	2.86	0	%100
66	MP4C	Z	-1.651	-1.651	0	%100
67	MP5A	X	2.86	2.86	0	%100
68	MP5A	Z	-1.651	-1.651	0	%100
69	MP5B	X	2.86	2.86	0	%100
70	MP5B	Z	-1.651	-1.651	0	%100
71	MP5C	X	2.86	2.86	0	%100
72	MP5C	Z	-1.651	-1.651	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	1.107	1.107	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.428	4.428	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.107	1.107	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	3.433	3.433	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.433	3.433	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M25	X	.668	.668	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	.668	.668	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	.668	.668	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	2.672	2.672	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	2.672	2.672	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	2.672	2.672	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	2.672	2.672	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	.668	.668	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	.668	.668	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	.668	.668	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	.668	.668	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	.668	.668	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	3.303	3.303	0	%100
38	MP1A	Z	0	0	0	%100
39	MP1B	X	3.303	3.303	0	%100
40	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP1C	X	3.303	3.303	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2A	X	3.303	3.303	0	%100
44	MP2A	Z	0	0	0	%100
45	MP2B	X	3.303	3.303	0	%100
46	MP2B	Z	0	0	0	%100
47	MP2C	X	3.303	3.303	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3A	X	3.659	3.659	0	%100
50	MP3A	Z	0	0	0	%100
51	MP3B	X	3.659	3.659	0	%100
52	MP3B	Z	0	0	0	%100
53	MP3C	X	3.659	3.659	0	%100
54	MP3C	Z	0	0	0	%100
55	MPRRUA	X	3.303	3.303	0	%100
56	MPRRUA	Z	0	0	0	%100
57	MPRRUB	X	3.303	3.303	0	%100
58	MPRRUB	Z	0	0	0	%100
59	MPRRUC	X	3.303	3.303	0	%100
60	MPRRUC	Z	0	0	0	%100
61	MP4A	X	3.303	3.303	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	3.303	3.303	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	3.303	3.303	0	%100
66	MP4C	Z	0	0	0	%100
67	MP5A	X	3.303	3.303	0	%100
68	MP5A	Z	0	0	0	%100
69	MP5B	X	3.303	3.303	0	%100
70	MP5B	Z	0	0	0	%100
71	MP5C	X	3.303	3.303	0	%100
72	MP5C	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	2.876	2.876	0	%100
2	M1	Z	1.66	1.66	0	%100
3	M2	X	2.876	2.876	0	%100
4	M2	Z	1.66	1.66	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	3.965	3.965	0	%100
8	M4	Z	2.289	2.289	0	%100
9	M5	X	.991	.991	0	%100
10	M5	Z	.572	.572	0	%100
11	M6	X	.991	.991	0	%100
12	M6	Z	.572	.572	0	%100
13	M25	X	1.735	1.735	0	%100
14	M25	Z	1.002	1.002	0	%100
15	M26	X	1.735	1.735	0	%100
16	M26	Z	1.002	1.002	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,%]
17	M27	X	1.735	1.735	0	%100
18	M27	Z	1.002	1.002	0	%100
19	M47	X	1.735	1.735	0	%100
20	M47	Z	1.002	1.002	0	%100
21	M48	X	1.735	1.735	0	%100
22	M48	Z	1.002	1.002	0	%100
23	M49	X	1.735	1.735	0	%100
24	M49	Z	1.002	1.002	0	%100
25	M50	X	1.735	1.735	0	%100
26	M50	Z	1.002	1.002	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	1.735	1.735	0	%100
36	M54A	Z	1.002	1.002	0	%100
37	MP1A	X	2.86	2.86	0	%100
38	MP1A	Z	1.651	1.651	0	%100
39	MP1B	X	2.86	2.86	0	%100
40	MP1B	Z	1.651	1.651	0	%100
41	MP1C	X	2.86	2.86	0	%100
42	MP1C	Z	1.651	1.651	0	%100
43	MP2A	X	2.86	2.86	0	%100
44	MP2A	Z	1.651	1.651	0	%100
45	MP2B	X	2.86	2.86	0	%100
46	MP2B	Z	1.651	1.651	0	%100
47	MP2C	X	2.86	2.86	0	%100
48	MP2C	Z	1.651	1.651	0	%100
49	MP3A	X	3.169	3.169	0	%100
50	MP3A	Z	1.829	1.829	0	%100
51	MP3B	X	3.169	3.169	0	%100
52	MP3B	Z	1.829	1.829	0	%100
53	MP3C	X	3.169	3.169	0	%100
54	MP3C	Z	1.829	1.829	0	%100
55	MPRRUA	X	2.86	2.86	0	%100
56	MPRRUA	Z	1.651	1.651	0	%100
57	MPRRUB	X	2.86	2.86	0	%100
58	MPRRUB	Z	1.651	1.651	0	%100
59	MPRRUC	X	2.86	2.86	0	%100
60	MPRRUC	Z	1.651	1.651	0	%100
61	MP4A	X	2.86	2.86	0	%100
62	MP4A	Z	1.651	1.651	0	%100
63	MP4B	X	2.86	2.86	0	%100
64	MP4B	Z	1.651	1.651	0	%100
65	MP4C	X	2.86	2.86	0	%100
66	MP4C	Z	1.651	1.651	0	%100
67	MP5A	X	2.86	2.86	0	%100
68	MP5A	Z	1.651	1.651	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,%]
69	MP5B	X	2.86	2.86	0	%100
70	MP5B	Z	1.651	1.651	0	%100
71	MP5C	X	2.86	2.86	0	%100
72	MP5C	Z	1.651	1.651	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	2.214	2.214	0	%100
2	M1	Z	3.835	3.835	0	%100
3	M2	X	.553	.553	0	%100
4	M2	Z	.959	.959	0	%100
5	M3	X	.553	.553	0	%100
6	M3	Z	.959	.959	0	%100
7	M4	X	1.717	1.717	0	%100
8	M4	Z	2.973	2.973	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.717	1.717	0	%100
12	M6	Z	2.973	2.973	0	%100
13	M25	X	1.336	1.336	0	%100
14	M25	Z	2.314	2.314	0	%100
15	M26	X	1.336	1.336	0	%100
16	M26	Z	2.314	2.314	0	%100
17	M27	X	1.336	1.336	0	%100
18	M27	Z	2.314	2.314	0	%100
19	M47	X	.334	.334	0	%100
20	M47	Z	.578	.578	0	%100
21	M48	X	.334	.334	0	%100
22	M48	Z	.578	.578	0	%100
23	M49	X	.334	.334	0	%100
24	M49	Z	.578	.578	0	%100
25	M50	X	.334	.334	0	%100
26	M50	Z	.578	.578	0	%100
27	M51	X	.334	.334	0	%100
28	M51	Z	.578	.578	0	%100
29	M52	X	.334	.334	0	%100
30	M52	Z	.578	.578	0	%100
31	M53	X	.334	.334	0	%100
32	M53	Z	.578	.578	0	%100
33	M54	X	.334	.334	0	%100
34	M54	Z	.578	.578	0	%100
35	M54A	X	1.336	1.336	0	%100
36	M54A	Z	2.314	2.314	0	%100
37	MP1A	X	1.651	1.651	0	%100
38	MP1A	Z	2.86	2.86	0	%100
39	MP1B	X	1.651	1.651	0	%100
40	MP1B	Z	2.86	2.86	0	%100
41	MP1C	X	1.651	1.651	0	%100
42	MP1C	Z	2.86	2.86	0	%100
43	MP2A	X	1.651	1.651	0	%100
44	MP2A	Z	2.86	2.86	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,%]
45	MP2B	X	1.651	1.651	0	%100
46	MP2B	Z	2.86	2.86	0	%100
47	MP2C	X	1.651	1.651	0	%100
48	MP2C	Z	2.86	2.86	0	%100
49	MP3A	X	1.829	1.829	0	%100
50	MP3A	Z	3.169	3.169	0	%100
51	MP3B	X	1.829	1.829	0	%100
52	MP3B	Z	3.169	3.169	0	%100
53	MP3C	X	1.829	1.829	0	%100
54	MP3C	Z	3.169	3.169	0	%100
55	MPRRUA	X	1.651	1.651	0	%100
56	MPRRUA	Z	2.86	2.86	0	%100
57	MPRRUB	X	1.651	1.651	0	%100
58	MPRRUB	Z	2.86	2.86	0	%100
59	MPRRUC	X	1.651	1.651	0	%100
60	MPRRUC	Z	2.86	2.86	0	%100
61	MP4A	X	1.651	1.651	0	%100
62	MP4A	Z	2.86	2.86	0	%100
63	MP4B	X	1.651	1.651	0	%100
64	MP4B	Z	2.86	2.86	0	%100
65	MP4C	X	1.651	1.651	0	%100
66	MP4C	Z	2.86	2.86	0	%100
67	MP5A	X	1.651	1.651	0	%100
68	MP5A	Z	2.86	2.86	0	%100
69	MP5B	X	1.651	1.651	0	%100
70	MP5B	Z	2.86	2.86	0	%100
71	MP5C	X	1.651	1.651	0	%100
72	MP5C	Z	2.86	2.86	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.321	3.321	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	3.321	3.321	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	1.144	1.144	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	1.144	1.144	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	4.578	4.578	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	2.004	2.004	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	2.004	2.004	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	2.004	2.004	0	%100
19	M47	X	0	0	0	%100
20	M47	Z	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,%]
21	M48	X	0	0	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	0	0	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	0	0	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	2.004	2.004	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	2.004	2.004	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	2.004	2.004	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	2.004	2.004	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	2.004	2.004	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	3.303	3.303	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	3.303	3.303	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	3.303	3.303	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	3.303	3.303	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	3.303	3.303	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	3.303	3.303	0	%100
49	MP3A	X	0	0	0	%100
50	MP3A	Z	3.659	3.659	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	3.659	3.659	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	3.659	3.659	0	%100
55	MPRRUA	X	0	0	0	%100
56	MPRRUA	Z	3.303	3.303	0	%100
57	MPRRUB	X	0	0	0	%100
58	MPRRUB	Z	3.303	3.303	0	%100
59	MPRRUC	X	0	0	0	%100
60	MPRRUC	Z	3.303	3.303	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	3.303	3.303	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	3.303	3.303	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	3.303	3.303	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	3.303	3.303	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	3.303	3.303	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	3.303	3.303	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	-.553	-.553	0	%100
2	M1	Z	.959	.959	0	%100
3	M2	X	-.553	-.553	0	%100
4	M2	Z	.959	.959	0	%100
5	M3	X	-2.214	-2.214	0	%100
6	M3	Z	3.835	3.835	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.717	-1.717	0	%100
10	M5	Z	2.973	2.973	0	%100
11	M6	X	-1.717	-1.717	0	%100
12	M6	Z	2.973	2.973	0	%100
13	M25	X	-.334	-.334	0	%100
14	M25	Z	.578	.578	0	%100
15	M26	X	-.334	-.334	0	%100
16	M26	Z	.578	.578	0	%100
17	M27	X	-.334	-.334	0	%100
18	M27	Z	.578	.578	0	%100
19	M47	X	-.334	-.334	0	%100
20	M47	Z	.578	.578	0	%100
21	M48	X	-.334	-.334	0	%100
22	M48	Z	.578	.578	0	%100
23	M49	X	-.334	-.334	0	%100
24	M49	Z	.578	.578	0	%100
25	M50	X	-.334	-.334	0	%100
26	M50	Z	.578	.578	0	%100
27	M51	X	-1.336	-1.336	0	%100
28	M51	Z	2.314	2.314	0	%100
29	M52	X	-1.336	-1.336	0	%100
30	M52	Z	2.314	2.314	0	%100
31	M53	X	-1.336	-1.336	0	%100
32	M53	Z	2.314	2.314	0	%100
33	M54	X	-1.336	-1.336	0	%100
34	M54	Z	2.314	2.314	0	%100
35	M54A	X	-.334	-.334	0	%100
36	M54A	Z	.578	.578	0	%100
37	MP1A	X	-1.651	-1.651	0	%100
38	MP1A	Z	2.86	2.86	0	%100
39	MP1B	X	-1.651	-1.651	0	%100
40	MP1B	Z	2.86	2.86	0	%100
41	MP1C	X	-1.651	-1.651	0	%100
42	MP1C	Z	2.86	2.86	0	%100
43	MP2A	X	-1.651	-1.651	0	%100
44	MP2A	Z	2.86	2.86	0	%100
45	MP2B	X	-1.651	-1.651	0	%100
46	MP2B	Z	2.86	2.86	0	%100
47	MP2C	X	-1.651	-1.651	0	%100
48	MP2C	Z	2.86	2.86	0	%100
49	MP3A	X	-1.829	-1.829	0	%100
50	MP3A	Z	3.169	3.169	0	%100
51	MP3B	X	-1.829	-1.829	0	%100
52	MP3B	Z	3.169	3.169	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,%]
53	MP3C	X	-1.829	-1.829	0	%100
54	MP3C	Z	3.169	3.169	0	%100
55	MPRRUA	X	-1.651	-1.651	0	%100
56	MPRRUA	Z	2.86	2.86	0	%100
57	MPRRUB	X	-1.651	-1.651	0	%100
58	MPRRUB	Z	2.86	2.86	0	%100
59	MPRRUC	X	-1.651	-1.651	0	%100
60	MPRRUC	Z	2.86	2.86	0	%100
61	MP4A	X	-1.651	-1.651	0	%100
62	MP4A	Z	2.86	2.86	0	%100
63	MP4B	X	-1.651	-1.651	0	%100
64	MP4B	Z	2.86	2.86	0	%100
65	MP4C	X	-1.651	-1.651	0	%100
66	MP4C	Z	2.86	2.86	0	%100
67	MP5A	X	-1.651	-1.651	0	%100
68	MP5A	Z	2.86	2.86	0	%100
69	MP5B	X	-1.651	-1.651	0	%100
70	MP5B	Z	2.86	2.86	0	%100
71	MP5C	X	-1.651	-1.651	0	%100
72	MP5C	Z	2.86	2.86	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.876	-2.876	0	%100
4	M2	Z	1.66	1.66	0	%100
5	M3	X	-2.876	-2.876	0	%100
6	M3	Z	1.66	1.66	0	%100
7	M4	X	-.991	-.991	0	%100
8	M4	Z	.572	.572	0	%100
9	M5	X	-3.965	-3.965	0	%100
10	M5	Z	2.289	2.289	0	%100
11	M6	X	-.991	-.991	0	%100
12	M6	Z	.572	.572	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	-1.735	-1.735	0	%100
20	M47	Z	1.002	1.002	0	%100
21	M48	X	-1.735	-1.735	0	%100
22	M48	Z	1.002	1.002	0	%100
23	M49	X	-1.735	-1.735	0	%100
24	M49	Z	1.002	1.002	0	%100
25	M50	X	-1.735	-1.735	0	%100
26	M50	Z	1.002	1.002	0	%100
27	M51	X	-1.735	-1.735	0	%100
28	M51	Z	1.002	1.002	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,%]
29	M52	X	-1.735	-1.735	0	%100
30	M52	Z	1.002	1.002	0	%100
31	M53	X	-1.735	-1.735	0	%100
32	M53	Z	1.002	1.002	0	%100
33	M54	X	-1.735	-1.735	0	%100
34	M54	Z	1.002	1.002	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	-2.86	-2.86	0	%100
38	MP1A	Z	1.651	1.651	0	%100
39	MP1B	X	-2.86	-2.86	0	%100
40	MP1B	Z	1.651	1.651	0	%100
41	MP1C	X	-2.86	-2.86	0	%100
42	MP1C	Z	1.651	1.651	0	%100
43	MP2A	X	-2.86	-2.86	0	%100
44	MP2A	Z	1.651	1.651	0	%100
45	MP2B	X	-2.86	-2.86	0	%100
46	MP2B	Z	1.651	1.651	0	%100
47	MP2C	X	-2.86	-2.86	0	%100
48	MP2C	Z	1.651	1.651	0	%100
49	MP3A	X	-3.169	-3.169	0	%100
50	MP3A	Z	1.829	1.829	0	%100
51	MP3B	X	-3.169	-3.169	0	%100
52	MP3B	Z	1.829	1.829	0	%100
53	MP3C	X	-3.169	-3.169	0	%100
54	MP3C	Z	1.829	1.829	0	%100
55	MPRRUA	X	-2.86	-2.86	0	%100
56	MPRRUA	Z	1.651	1.651	0	%100
57	MPRRUB	X	-2.86	-2.86	0	%100
58	MPRRUB	Z	1.651	1.651	0	%100
59	MPRRUC	X	-2.86	-2.86	0	%100
60	MPRRUC	Z	1.651	1.651	0	%100
61	MP4A	X	-2.86	-2.86	0	%100
62	MP4A	Z	1.651	1.651	0	%100
63	MP4B	X	-2.86	-2.86	0	%100
64	MP4B	Z	1.651	1.651	0	%100
65	MP4C	X	-2.86	-2.86	0	%100
66	MP4C	Z	1.651	1.651	0	%100
67	MP5A	X	-2.86	-2.86	0	%100
68	MP5A	Z	1.651	1.651	0	%100
69	MP5B	X	-2.86	-2.86	0	%100
70	MP5B	Z	1.651	1.651	0	%100
71	MP5C	X	-2.86	-2.86	0	%100
72	MP5C	Z	1.651	1.651	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	-1.107	-1.107	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.428	-4.428	0	%100
4	M2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M3	X	-1.107	-1.107	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-3.433	-3.433	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.433	-3.433	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M25	X	-.668	-.668	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	-.668	-.668	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	-.668	-.668	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	-2.672	-2.672	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	-2.672	-2.672	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	-2.672	-2.672	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	-2.672	-2.672	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	-.668	-.668	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	-.668	-.668	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	-.668	-.668	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	-.668	-.668	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	-.668	-.668	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	-3.303	-3.303	0	%100
38	MP1A	Z	0	0	0	%100
39	MP1B	X	-3.303	-3.303	0	%100
40	MP1B	Z	0	0	0	%100
41	MP1C	X	-3.303	-3.303	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2A	X	-3.303	-3.303	0	%100
44	MP2A	Z	0	0	0	%100
45	MP2B	X	-3.303	-3.303	0	%100
46	MP2B	Z	0	0	0	%100
47	MP2C	X	-3.303	-3.303	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3A	X	-3.659	-3.659	0	%100
50	MP3A	Z	0	0	0	%100
51	MP3B	X	-3.659	-3.659	0	%100
52	MP3B	Z	0	0	0	%100
53	MP3C	X	-3.659	-3.659	0	%100
54	MP3C	Z	0	0	0	%100
55	MPRRUA	X	-3.303	-3.303	0	%100
56	MPRRUA	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	MPRRUB	X	-3.303	-3.303	0	%100
58	MPRRUB	Z	0	0	0	%100
59	MPRRUC	X	-3.303	-3.303	0	%100
60	MPRRUC	Z	0	0	0	%100
61	MP4A	X	-3.303	-3.303	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	-3.303	-3.303	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	-3.303	-3.303	0	%100
66	MP4C	Z	0	0	0	%100
67	MP5A	X	-3.303	-3.303	0	%100
68	MP5A	Z	0	0	0	%100
69	MP5B	X	-3.303	-3.303	0	%100
70	MP5B	Z	0	0	0	%100
71	MP5C	X	-3.303	-3.303	0	%100
72	MP5C	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	-2.876	-2.876	0	%100
2	M1	Z	-1.66	-1.66	0	%100
3	M2	X	-2.876	-2.876	0	%100
4	M2	Z	-1.66	-1.66	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-3.965	-3.965	0	%100
8	M4	Z	-2.289	-2.289	0	%100
9	M5	X	-.991	-.991	0	%100
10	M5	Z	-.572	-.572	0	%100
11	M6	X	-.991	-.991	0	%100
12	M6	Z	-.572	-.572	0	%100
13	M25	X	-1.735	-1.735	0	%100
14	M25	Z	-1.002	-1.002	0	%100
15	M26	X	-1.735	-1.735	0	%100
16	M26	Z	-1.002	-1.002	0	%100
17	M27	X	-1.735	-1.735	0	%100
18	M27	Z	-1.002	-1.002	0	%100
19	M47	X	-1.735	-1.735	0	%100
20	M47	Z	-1.002	-1.002	0	%100
21	M48	X	-1.735	-1.735	0	%100
22	M48	Z	-1.002	-1.002	0	%100
23	M49	X	-1.735	-1.735	0	%100
24	M49	Z	-1.002	-1.002	0	%100
25	M50	X	-1.735	-1.735	0	%100
26	M50	Z	-1.002	-1.002	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	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,%]
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	-1.735	-1.735	0	%100
36	M54A	Z	-1.002	-1.002	0	%100
37	MP1A	X	-2.86	-2.86	0	%100
38	MP1A	Z	-1.651	-1.651	0	%100
39	MP1B	X	-2.86	-2.86	0	%100
40	MP1B	Z	-1.651	-1.651	0	%100
41	MP1C	X	-2.86	-2.86	0	%100
42	MP1C	Z	-1.651	-1.651	0	%100
43	MP2A	X	-2.86	-2.86	0	%100
44	MP2A	Z	-1.651	-1.651	0	%100
45	MP2B	X	-2.86	-2.86	0	%100
46	MP2B	Z	-1.651	-1.651	0	%100
47	MP2C	X	-2.86	-2.86	0	%100
48	MP2C	Z	-1.651	-1.651	0	%100
49	MP3A	X	-3.169	-3.169	0	%100
50	MP3A	Z	-1.829	-1.829	0	%100
51	MP3B	X	-3.169	-3.169	0	%100
52	MP3B	Z	-1.829	-1.829	0	%100
53	MP3C	X	-3.169	-3.169	0	%100
54	MP3C	Z	-1.829	-1.829	0	%100
55	MPRRUA	X	-2.86	-2.86	0	%100
56	MPRRUA	Z	-1.651	-1.651	0	%100
57	MPRRUB	X	-2.86	-2.86	0	%100
58	MPRRUB	Z	-1.651	-1.651	0	%100
59	MPRRUC	X	-2.86	-2.86	0	%100
60	MPRRUC	Z	-1.651	-1.651	0	%100
61	MP4A	X	-2.86	-2.86	0	%100
62	MP4A	Z	-1.651	-1.651	0	%100
63	MP4B	X	-2.86	-2.86	0	%100
64	MP4B	Z	-1.651	-1.651	0	%100
65	MP4C	X	-2.86	-2.86	0	%100
66	MP4C	Z	-1.651	-1.651	0	%100
67	MP5A	X	-2.86	-2.86	0	%100
68	MP5A	Z	-1.651	-1.651	0	%100
69	MP5B	X	-2.86	-2.86	0	%100
70	MP5B	Z	-1.651	-1.651	0	%100
71	MP5C	X	-2.86	-2.86	0	%100
72	MP5C	Z	-1.651	-1.651	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	-2.214	-2.214	0	%100
2	M1	Z	-3.835	-3.835	0	%100
3	M2	X	-.553	-.553	0	%100
4	M2	Z	-.959	-.959	0	%100
5	M3	X	-.553	-.553	0	%100
6	M3	Z	-.959	-.959	0	%100
7	M4	X	-1.717	-1.717	0	%100
8	M4	Z	-2.973	-2.973	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,%]
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.717	-1.717	0	%100
12	M6	Z	-2.973	-2.973	0	%100
13	M25	X	-1.336	-1.336	0	%100
14	M25	Z	-2.314	-2.314	0	%100
15	M26	X	-1.336	-1.336	0	%100
16	M26	Z	-2.314	-2.314	0	%100
17	M27	X	-1.336	-1.336	0	%100
18	M27	Z	-2.314	-2.314	0	%100
19	M47	X	-.334	-.334	0	%100
20	M47	Z	-.578	-.578	0	%100
21	M48	X	-.334	-.334	0	%100
22	M48	Z	-.578	-.578	0	%100
23	M49	X	-.334	-.334	0	%100
24	M49	Z	-.578	-.578	0	%100
25	M50	X	-.334	-.334	0	%100
26	M50	Z	-.578	-.578	0	%100
27	M51	X	-.334	-.334	0	%100
28	M51	Z	-.578	-.578	0	%100
29	M52	X	-.334	-.334	0	%100
30	M52	Z	-.578	-.578	0	%100
31	M53	X	-.334	-.334	0	%100
32	M53	Z	-.578	-.578	0	%100
33	M54	X	-.334	-.334	0	%100
34	M54	Z	-.578	-.578	0	%100
35	M54A	X	-1.336	-1.336	0	%100
36	M54A	Z	-2.314	-2.314	0	%100
37	MP1A	X	-1.651	-1.651	0	%100
38	MP1A	Z	-2.86	-2.86	0	%100
39	MP1B	X	-1.651	-1.651	0	%100
40	MP1B	Z	-2.86	-2.86	0	%100
41	MP1C	X	-1.651	-1.651	0	%100
42	MP1C	Z	-2.86	-2.86	0	%100
43	MP2A	X	-1.651	-1.651	0	%100
44	MP2A	Z	-2.86	-2.86	0	%100
45	MP2B	X	-1.651	-1.651	0	%100
46	MP2B	Z	-2.86	-2.86	0	%100
47	MP2C	X	-1.651	-1.651	0	%100
48	MP2C	Z	-2.86	-2.86	0	%100
49	MP3A	X	-1.829	-1.829	0	%100
50	MP3A	Z	-3.169	-3.169	0	%100
51	MP3B	X	-1.829	-1.829	0	%100
52	MP3B	Z	-3.169	-3.169	0	%100
53	MP3C	X	-1.829	-1.829	0	%100
54	MP3C	Z	-3.169	-3.169	0	%100
55	MPRRUA	X	-1.651	-1.651	0	%100
56	MPRRUA	Z	-2.86	-2.86	0	%100
57	MPRRUB	X	-1.651	-1.651	0	%100
58	MPRRUB	Z	-2.86	-2.86	0	%100
59	MPRRUC	X	-1.651	-1.651	0	%100
60	MPRRUC	Z	-2.86	-2.86	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,%]
61	MP4A	X	-1.651	-1.651	0	%100
62	MP4A	Z	-2.86	-2.86	0	%100
63	MP4B	X	-1.651	-1.651	0	%100
64	MP4B	Z	-2.86	-2.86	0	%100
65	MP4C	X	-1.651	-1.651	0	%100
66	MP4C	Z	-2.86	-2.86	0	%100
67	MP5A	X	-1.651	-1.651	0	%100
68	MP5A	Z	-2.86	-2.86	0	%100
69	MP5B	X	-1.651	-1.651	0	%100
70	MP5B	Z	-2.86	-2.86	0	%100
71	MP5C	X	-1.651	-1.651	0	%100
72	MP5C	Z	-2.86	-2.86	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	-.76	-.76	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.76	-.76	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.267	-.267	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.267	-.267	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.067	-1.067	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-.441	-.441	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	-.441	-.441	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	-.441	-.441	0	%100
19	M47	X	0	0	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	0	0	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	0	0	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	0	0	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	-.441	-.441	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	-.441	-.441	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	-.441	-.441	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-.441	-.441	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	-.441	-.441	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,%]
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-.608	-.608	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	-.608	-.608	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-.608	-.608	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	-.608	-.608	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	-.608	-.608	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-.608	-.608	0	%100
49	MP3A	X	0	0	0	%100
50	MP3A	Z	-.736	-.736	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-.736	-.736	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-.736	-.736	0	%100
55	MPRRUA	X	0	0	0	%100
56	MPRRUA	Z	-.608	-.608	0	%100
57	MPRRUB	X	0	0	0	%100
58	MPRRUB	Z	-.608	-.608	0	%100
59	MPRRUC	X	0	0	0	%100
60	MPRRUC	Z	-.608	-.608	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-.608	-.608	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.608	-.608	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	-.608	-.608	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	-.608	-.608	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	-.608	-.608	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	-.608	-.608	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	.127	.127	0	%100
2	M1	Z	-.219	-.219	0	%100
3	M2	X	.127	.127	0	%100
4	M2	Z	-.219	-.219	0	%100
5	M3	X	.507	.507	0	%100
6	M3	Z	-.878	-.878	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.4	.4	0	%100
10	M5	Z	-.693	-.693	0	%100
11	M6	X	.4	.4	0	%100
12	M6	Z	-.693	-.693	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,%]
13	M25	X	.074	.074	0	%100
14	M25	Z	-.127	-.127	0	%100
15	M26	X	.074	.074	0	%100
16	M26	Z	-.127	-.127	0	%100
17	M27	X	.074	.074	0	%100
18	M27	Z	-.127	-.127	0	%100
19	M47	X	.074	.074	0	%100
20	M47	Z	-.127	-.127	0	%100
21	M48	X	.074	.074	0	%100
22	M48	Z	-.127	-.127	0	%100
23	M49	X	.074	.074	0	%100
24	M49	Z	-.127	-.127	0	%100
25	M50	X	.074	.074	0	%100
26	M50	Z	-.127	-.127	0	%100
27	M51	X	.294	.294	0	%100
28	M51	Z	-.509	-.509	0	%100
29	M52	X	.294	.294	0	%100
30	M52	Z	-.509	-.509	0	%100
31	M53	X	.294	.294	0	%100
32	M53	Z	-.509	-.509	0	%100
33	M54	X	.294	.294	0	%100
34	M54	Z	-.509	-.509	0	%100
35	M54A	X	.074	.074	0	%100
36	M54A	Z	-.127	-.127	0	%100
37	MP1A	X	.304	.304	0	%100
38	MP1A	Z	-.527	-.527	0	%100
39	MP1B	X	.304	.304	0	%100
40	MP1B	Z	-.527	-.527	0	%100
41	MP1C	X	.304	.304	0	%100
42	MP1C	Z	-.527	-.527	0	%100
43	MP2A	X	.304	.304	0	%100
44	MP2A	Z	-.527	-.527	0	%100
45	MP2B	X	.304	.304	0	%100
46	MP2B	Z	-.527	-.527	0	%100
47	MP2C	X	.304	.304	0	%100
48	MP2C	Z	-.527	-.527	0	%100
49	MP3A	X	.368	.368	0	%100
50	MP3A	Z	-.638	-.638	0	%100
51	MP3B	X	.368	.368	0	%100
52	MP3B	Z	-.638	-.638	0	%100
53	MP3C	X	.368	.368	0	%100
54	MP3C	Z	-.638	-.638	0	%100
55	MPRRUA	X	.304	.304	0	%100
56	MPRRUA	Z	-.527	-.527	0	%100
57	MPRRUB	X	.304	.304	0	%100
58	MPRRUB	Z	-.527	-.527	0	%100
59	MPRRUC	X	.304	.304	0	%100
60	MPRRUC	Z	-.527	-.527	0	%100
61	MP4A	X	.304	.304	0	%100
62	MP4A	Z	-.527	-.527	0	%100
63	MP4B	X	.304	.304	0	%100
64	MP4B	Z	-.527	-.527	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,%]
65	MP4C	X	.304	.304	0	%100
66	MP4C	Z	-.527	-.527	0	%100
67	MP5A	X	.304	.304	0	%100
68	MP5A	Z	-.527	-.527	0	%100
69	MP5B	X	.304	.304	0	%100
70	MP5B	Z	-.527	-.527	0	%100
71	MP5C	X	.304	.304	0	%100
72	MP5C	Z	-.527	-.527	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.658	.658	0	%100
4	M2	Z	-.38	-.38	0	%100
5	M3	X	.658	.658	0	%100
6	M3	Z	-.38	-.38	0	%100
7	M4	X	.231	.231	0	%100
8	M4	Z	-.133	-.133	0	%100
9	M5	X	.924	.924	0	%100
10	M5	Z	-.534	-.534	0	%100
11	M6	X	.231	.231	0	%100
12	M6	Z	-.133	-.133	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	.382	.382	0	%100
20	M47	Z	-.221	-.221	0	%100
21	M48	X	.382	.382	0	%100
22	M48	Z	-.221	-.221	0	%100
23	M49	X	.382	.382	0	%100
24	M49	Z	-.221	-.221	0	%100
25	M50	X	.382	.382	0	%100
26	M50	Z	-.221	-.221	0	%100
27	M51	X	.382	.382	0	%100
28	M51	Z	-.221	-.221	0	%100
29	M52	X	.382	.382	0	%100
30	M52	Z	-.221	-.221	0	%100
31	M53	X	.382	.382	0	%100
32	M53	Z	-.221	-.221	0	%100
33	M54	X	.382	.382	0	%100
34	M54	Z	-.221	-.221	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	.527	.527	0	%100
38	MP1A	Z	-.304	-.304	0	%100
39	MP1B	X	.527	.527	0	%100
40	MP1B	Z	-.304	-.304	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,%]
41	MP1C	X	.527	.527	0	%100
42	MP1C	Z	-.304	-.304	0	%100
43	MP2A	X	.527	.527	0	%100
44	MP2A	Z	-.304	-.304	0	%100
45	MP2B	X	.527	.527	0	%100
46	MP2B	Z	-.304	-.304	0	%100
47	MP2C	X	.527	.527	0	%100
48	MP2C	Z	-.304	-.304	0	%100
49	MP3A	X	.638	.638	0	%100
50	MP3A	Z	-.368	-.368	0	%100
51	MP3B	X	.638	.638	0	%100
52	MP3B	Z	-.368	-.368	0	%100
53	MP3C	X	.638	.638	0	%100
54	MP3C	Z	-.368	-.368	0	%100
55	MPRRUA	X	.527	.527	0	%100
56	MPRRUA	Z	-.304	-.304	0	%100
57	MPRRUB	X	.527	.527	0	%100
58	MPRRUB	Z	-.304	-.304	0	%100
59	MPRRUC	X	.527	.527	0	%100
60	MPRRUC	Z	-.304	-.304	0	%100
61	MP4A	X	.527	.527	0	%100
62	MP4A	Z	-.304	-.304	0	%100
63	MP4B	X	.527	.527	0	%100
64	MP4B	Z	-.304	-.304	0	%100
65	MP4C	X	.527	.527	0	%100
66	MP4C	Z	-.304	-.304	0	%100
67	MP5A	X	.527	.527	0	%100
68	MP5A	Z	-.304	-.304	0	%100
69	MP5B	X	.527	.527	0	%100
70	MP5B	Z	-.304	-.304	0	%100
71	MP5C	X	.527	.527	0	%100
72	MP5C	Z	-.304	-.304	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	.253	.253	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.013	1.013	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.253	.253	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.801	.801	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.801	.801	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M25	X	.147	.147	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	.147	.147	0	%100
16	M26	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,%]
17	M27	X	.147	.147	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	.588	.588	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	.588	.588	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	.588	.588	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	.588	.588	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	.147	.147	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	.147	.147	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	.147	.147	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	.147	.147	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	.147	.147	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	.608	.608	0	%100
38	MP1A	Z	0	0	0	%100
39	MP1B	X	.608	.608	0	%100
40	MP1B	Z	0	0	0	%100
41	MP1C	X	.608	.608	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2A	X	.608	.608	0	%100
44	MP2A	Z	0	0	0	%100
45	MP2B	X	.608	.608	0	%100
46	MP2B	Z	0	0	0	%100
47	MP2C	X	.608	.608	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3A	X	.736	.736	0	%100
50	MP3A	Z	0	0	0	%100
51	MP3B	X	.736	.736	0	%100
52	MP3B	Z	0	0	0	%100
53	MP3C	X	.736	.736	0	%100
54	MP3C	Z	0	0	0	%100
55	MPRRUA	X	.608	.608	0	%100
56	MPRRUA	Z	0	0	0	%100
57	MPRRUB	X	.608	.608	0	%100
58	MPRRUB	Z	0	0	0	%100
59	MPRRUC	X	.608	.608	0	%100
60	MPRRUC	Z	0	0	0	%100
61	MP4A	X	.608	.608	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	.608	.608	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	.608	.608	0	%100
66	MP4C	Z	0	0	0	%100
67	MP5A	X	.608	.608	0	%100
68	MP5A	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,%]
69	MP5B	X	.608	.608	0	%100
70	MP5B	Z	0	0	0	%100
71	MP5C	X	.608	.608	0	%100
72	MP5C	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	.658	.658	0	%100
2	M1	Z	.38	.38	0	%100
3	M2	X	.658	.658	0	%100
4	M2	Z	.38	.38	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.924	.924	0	%100
8	M4	Z	.534	.534	0	%100
9	M5	X	.231	.231	0	%100
10	M5	Z	.133	.133	0	%100
11	M6	X	.231	.231	0	%100
12	M6	Z	.133	.133	0	%100
13	M25	X	.382	.382	0	%100
14	M25	Z	.221	.221	0	%100
15	M26	X	.382	.382	0	%100
16	M26	Z	.221	.221	0	%100
17	M27	X	.382	.382	0	%100
18	M27	Z	.221	.221	0	%100
19	M47	X	.382	.382	0	%100
20	M47	Z	.221	.221	0	%100
21	M48	X	.382	.382	0	%100
22	M48	Z	.221	.221	0	%100
23	M49	X	.382	.382	0	%100
24	M49	Z	.221	.221	0	%100
25	M50	X	.382	.382	0	%100
26	M50	Z	.221	.221	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	.382	.382	0	%100
36	M54A	Z	.221	.221	0	%100
37	MP1A	X	.527	.527	0	%100
38	MP1A	Z	.304	.304	0	%100
39	MP1B	X	.527	.527	0	%100
40	MP1B	Z	.304	.304	0	%100
41	MP1C	X	.527	.527	0	%100
42	MP1C	Z	.304	.304	0	%100
43	MP2A	X	.527	.527	0	%100
44	MP2A	Z	.304	.304	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,%]
45	MP2B	X	.527	.527	0	%100
46	MP2B	Z	.304	.304	0	%100
47	MP2C	X	.527	.527	0	%100
48	MP2C	Z	.304	.304	0	%100
49	MP3A	X	.638	.638	0	%100
50	MP3A	Z	.368	.368	0	%100
51	MP3B	X	.638	.638	0	%100
52	MP3B	Z	.368	.368	0	%100
53	MP3C	X	.638	.638	0	%100
54	MP3C	Z	.368	.368	0	%100
55	MPRRUA	X	.527	.527	0	%100
56	MPRRUA	Z	.304	.304	0	%100
57	MPRRUB	X	.527	.527	0	%100
58	MPRRUB	Z	.304	.304	0	%100
59	MPRRUC	X	.527	.527	0	%100
60	MPRRUC	Z	.304	.304	0	%100
61	MP4A	X	.527	.527	0	%100
62	MP4A	Z	.304	.304	0	%100
63	MP4B	X	.527	.527	0	%100
64	MP4B	Z	.304	.304	0	%100
65	MP4C	X	.527	.527	0	%100
66	MP4C	Z	.304	.304	0	%100
67	MP5A	X	.527	.527	0	%100
68	MP5A	Z	.304	.304	0	%100
69	MP5B	X	.527	.527	0	%100
70	MP5B	Z	.304	.304	0	%100
71	MP5C	X	.527	.527	0	%100
72	MP5C	Z	.304	.304	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	.507	.507	0	%100
2	M1	Z	.878	.878	0	%100
3	M2	X	.127	.127	0	%100
4	M2	Z	.219	.219	0	%100
5	M3	X	.127	.127	0	%100
6	M3	Z	.219	.219	0	%100
7	M4	X	.4	.4	0	%100
8	M4	Z	.693	.693	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.4	.4	0	%100
12	M6	Z	.693	.693	0	%100
13	M25	X	.294	.294	0	%100
14	M25	Z	.509	.509	0	%100
15	M26	X	.294	.294	0	%100
16	M26	Z	.509	.509	0	%100
17	M27	X	.294	.294	0	%100
18	M27	Z	.509	.509	0	%100
19	M47	X	.074	.074	0	%100
20	M47	Z	.127	.127	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,%]
21	M48	X	.074	.074	0	%100
22	M48	Z	.127	.127	0	%100
23	M49	X	.074	.074	0	%100
24	M49	Z	.127	.127	0	%100
25	M50	X	.074	.074	0	%100
26	M50	Z	.127	.127	0	%100
27	M51	X	.074	.074	0	%100
28	M51	Z	.127	.127	0	%100
29	M52	X	.074	.074	0	%100
30	M52	Z	.127	.127	0	%100
31	M53	X	.074	.074	0	%100
32	M53	Z	.127	.127	0	%100
33	M54	X	.074	.074	0	%100
34	M54	Z	.127	.127	0	%100
35	M54A	X	.294	.294	0	%100
36	M54A	Z	.509	.509	0	%100
37	MP1A	X	.304	.304	0	%100
38	MP1A	Z	.527	.527	0	%100
39	MP1B	X	.304	.304	0	%100
40	MP1B	Z	.527	.527	0	%100
41	MP1C	X	.304	.304	0	%100
42	MP1C	Z	.527	.527	0	%100
43	MP2A	X	.304	.304	0	%100
44	MP2A	Z	.527	.527	0	%100
45	MP2B	X	.304	.304	0	%100
46	MP2B	Z	.527	.527	0	%100
47	MP2C	X	.304	.304	0	%100
48	MP2C	Z	.527	.527	0	%100
49	MP3A	X	.368	.368	0	%100
50	MP3A	Z	.638	.638	0	%100
51	MP3B	X	.368	.368	0	%100
52	MP3B	Z	.638	.638	0	%100
53	MP3C	X	.368	.368	0	%100
54	MP3C	Z	.638	.638	0	%100
55	MPRRUA	X	.304	.304	0	%100
56	MPRRUA	Z	.527	.527	0	%100
57	MPRRUB	X	.304	.304	0	%100
58	MPRRUB	Z	.527	.527	0	%100
59	MPRRUC	X	.304	.304	0	%100
60	MPRRUC	Z	.527	.527	0	%100
61	MP4A	X	.304	.304	0	%100
62	MP4A	Z	.527	.527	0	%100
63	MP4B	X	.304	.304	0	%100
64	MP4B	Z	.527	.527	0	%100
65	MP4C	X	.304	.304	0	%100
66	MP4C	Z	.527	.527	0	%100
67	MP5A	X	.304	.304	0	%100
68	MP5A	Z	.527	.527	0	%100
69	MP5B	X	.304	.304	0	%100
70	MP5B	Z	.527	.527	0	%100
71	MP5C	X	.304	.304	0	%100
72	MP5C	Z	.527	.527	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	.76	.76	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.76	.76	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.267	.267	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.267	.267	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.067	1.067	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	.441	.441	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	.441	.441	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	.441	.441	0	%100
19	M47	X	0	0	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	0	0	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	0	0	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	0	0	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	.441	.441	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	.441	.441	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	.441	.441	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	.441	.441	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	.441	.441	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	.608	.608	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	.608	.608	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	.608	.608	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	.608	.608	0	%100
45	MP2B	X	0	0	0	%100
46	MP2B	Z	.608	.608	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	.608	.608	0	%100
49	MP3A	X	0	0	0	%100
50	MP3A	Z	.736	.736	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	.736	.736	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,%]
53	MP3C	X	0	0	0	%100
54	MP3C	Z	.736	.736	0	%100
55	MPRRUA	X	0	0	0	%100
56	MPRRUA	Z	.608	.608	0	%100
57	MPRRUB	X	0	0	0	%100
58	MPRRUB	Z	.608	.608	0	%100
59	MPRRUC	X	0	0	0	%100
60	MPRRUC	Z	.608	.608	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	.608	.608	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	.608	.608	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	.608	.608	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	.608	.608	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	.608	.608	0	%100
71	MP5C	X	0	0	0	%100
72	MP5C	Z	.608	.608	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	-.127	-.127	0	%100
2	M1	Z	.219	.219	0	%100
3	M2	X	-.127	-.127	0	%100
4	M2	Z	.219	.219	0	%100
5	M3	X	-.507	-.507	0	%100
6	M3	Z	.878	.878	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.4	-.4	0	%100
10	M5	Z	.693	.693	0	%100
11	M6	X	-.4	-.4	0	%100
12	M6	Z	.693	.693	0	%100
13	M25	X	-.074	-.074	0	%100
14	M25	Z	.127	.127	0	%100
15	M26	X	-.074	-.074	0	%100
16	M26	Z	.127	.127	0	%100
17	M27	X	-.074	-.074	0	%100
18	M27	Z	.127	.127	0	%100
19	M47	X	-.074	-.074	0	%100
20	M47	Z	.127	.127	0	%100
21	M48	X	-.074	-.074	0	%100
22	M48	Z	.127	.127	0	%100
23	M49	X	-.074	-.074	0	%100
24	M49	Z	.127	.127	0	%100
25	M50	X	-.074	-.074	0	%100
26	M50	Z	.127	.127	0	%100
27	M51	X	-.294	-.294	0	%100
28	M51	Z	.509	.509	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,%]
29	M52	X	-.294	-.294	0	%100
30	M52	Z	.509	.509	0	%100
31	M53	X	-.294	-.294	0	%100
32	M53	Z	.509	.509	0	%100
33	M54	X	-.294	-.294	0	%100
34	M54	Z	.509	.509	0	%100
35	M54A	X	-.074	-.074	0	%100
36	M54A	Z	.127	.127	0	%100
37	MP1A	X	-.304	-.304	0	%100
38	MP1A	Z	.527	.527	0	%100
39	MP1B	X	-.304	-.304	0	%100
40	MP1B	Z	.527	.527	0	%100
41	MP1C	X	-.304	-.304	0	%100
42	MP1C	Z	.527	.527	0	%100
43	MP2A	X	-.304	-.304	0	%100
44	MP2A	Z	.527	.527	0	%100
45	MP2B	X	-.304	-.304	0	%100
46	MP2B	Z	.527	.527	0	%100
47	MP2C	X	-.304	-.304	0	%100
48	MP2C	Z	.527	.527	0	%100
49	MP3A	X	-.368	-.368	0	%100
50	MP3A	Z	.638	.638	0	%100
51	MP3B	X	-.368	-.368	0	%100
52	MP3B	Z	.638	.638	0	%100
53	MP3C	X	-.368	-.368	0	%100
54	MP3C	Z	.638	.638	0	%100
55	MPRRUA	X	-.304	-.304	0	%100
56	MPRRUA	Z	.527	.527	0	%100
57	MPRRUB	X	-.304	-.304	0	%100
58	MPRRUB	Z	.527	.527	0	%100
59	MPRRUC	X	-.304	-.304	0	%100
60	MPRRUC	Z	.527	.527	0	%100
61	MP4A	X	-.304	-.304	0	%100
62	MP4A	Z	.527	.527	0	%100
63	MP4B	X	-.304	-.304	0	%100
64	MP4B	Z	.527	.527	0	%100
65	MP4C	X	-.304	-.304	0	%100
66	MP4C	Z	.527	.527	0	%100
67	MP5A	X	-.304	-.304	0	%100
68	MP5A	Z	.527	.527	0	%100
69	MP5B	X	-.304	-.304	0	%100
70	MP5B	Z	.527	.527	0	%100
71	MP5C	X	-.304	-.304	0	%100
72	MP5C	Z	.527	.527	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.658	-.658	0	%100
4	M2	Z	.38	.38	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,%]
5	M3	X	-.658	-.658	0	%100
6	M3	Z	.38	.38	0	%100
7	M4	X	-.231	-.231	0	%100
8	M4	Z	.133	.133	0	%100
9	M5	X	-.924	-.924	0	%100
10	M5	Z	.534	.534	0	%100
11	M6	X	-.231	-.231	0	%100
12	M6	Z	.133	.133	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	-.382	-.382	0	%100
20	M47	Z	.221	.221	0	%100
21	M48	X	-.382	-.382	0	%100
22	M48	Z	.221	.221	0	%100
23	M49	X	-.382	-.382	0	%100
24	M49	Z	.221	.221	0	%100
25	M50	X	-.382	-.382	0	%100
26	M50	Z	.221	.221	0	%100
27	M51	X	-.382	-.382	0	%100
28	M51	Z	.221	.221	0	%100
29	M52	X	-.382	-.382	0	%100
30	M52	Z	.221	.221	0	%100
31	M53	X	-.382	-.382	0	%100
32	M53	Z	.221	.221	0	%100
33	M54	X	-.382	-.382	0	%100
34	M54	Z	.221	.221	0	%100
35	M54A	X	0	0	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	-.527	-.527	0	%100
38	MP1A	Z	.304	.304	0	%100
39	MP1B	X	-.527	-.527	0	%100
40	MP1B	Z	.304	.304	0	%100
41	MP1C	X	-.527	-.527	0	%100
42	MP1C	Z	.304	.304	0	%100
43	MP2A	X	-.527	-.527	0	%100
44	MP2A	Z	.304	.304	0	%100
45	MP2B	X	-.527	-.527	0	%100
46	MP2B	Z	.304	.304	0	%100
47	MP2C	X	-.527	-.527	0	%100
48	MP2C	Z	.304	.304	0	%100
49	MP3A	X	-.638	-.638	0	%100
50	MP3A	Z	.368	.368	0	%100
51	MP3B	X	-.638	-.638	0	%100
52	MP3B	Z	.368	.368	0	%100
53	MP3C	X	-.638	-.638	0	%100
54	MP3C	Z	.368	.368	0	%100
55	MPRRUA	X	-.527	-.527	0	%100
56	MPRRUA	Z	.304	.304	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,%]
57	MPRRUB	X	-.527	-.527	0	%100
58	MPRRUB	Z	.304	.304	0	%100
59	MPRRUC	X	-.527	-.527	0	%100
60	MPRRUC	Z	.304	.304	0	%100
61	MP4A	X	-.527	-.527	0	%100
62	MP4A	Z	.304	.304	0	%100
63	MP4B	X	-.527	-.527	0	%100
64	MP4B	Z	.304	.304	0	%100
65	MP4C	X	-.527	-.527	0	%100
66	MP4C	Z	.304	.304	0	%100
67	MP5A	X	-.527	-.527	0	%100
68	MP5A	Z	.304	.304	0	%100
69	MP5B	X	-.527	-.527	0	%100
70	MP5B	Z	.304	.304	0	%100
71	MP5C	X	-.527	-.527	0	%100
72	MP5C	Z	.304	.304	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	-.253	-.253	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.013	-1.013	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.253	-.253	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.801	-.801	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.801	-.801	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M25	X	-.147	-.147	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	-.147	-.147	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	-.147	-.147	0	%100
18	M27	Z	0	0	0	%100
19	M47	X	-.588	-.588	0	%100
20	M47	Z	0	0	0	%100
21	M48	X	-.588	-.588	0	%100
22	M48	Z	0	0	0	%100
23	M49	X	-.588	-.588	0	%100
24	M49	Z	0	0	0	%100
25	M50	X	-.588	-.588	0	%100
26	M50	Z	0	0	0	%100
27	M51	X	-.147	-.147	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	-.147	-.147	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	-.147	-.147	0	%100
32	M53	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,%]
33	M54	X	-.147	-.147	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	-.147	-.147	0	%100
36	M54A	Z	0	0	0	%100
37	MP1A	X	-.608	-.608	0	%100
38	MP1A	Z	0	0	0	%100
39	MP1B	X	-.608	-.608	0	%100
40	MP1B	Z	0	0	0	%100
41	MP1C	X	-.608	-.608	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2A	X	-.608	-.608	0	%100
44	MP2A	Z	0	0	0	%100
45	MP2B	X	-.608	-.608	0	%100
46	MP2B	Z	0	0	0	%100
47	MP2C	X	-.608	-.608	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3A	X	-.736	-.736	0	%100
50	MP3A	Z	0	0	0	%100
51	MP3B	X	-.736	-.736	0	%100
52	MP3B	Z	0	0	0	%100
53	MP3C	X	-.736	-.736	0	%100
54	MP3C	Z	0	0	0	%100
55	MPRRUA	X	-.608	-.608	0	%100
56	MPRRUA	Z	0	0	0	%100
57	MPRRUB	X	-.608	-.608	0	%100
58	MPRRUB	Z	0	0	0	%100
59	MPRRUC	X	-.608	-.608	0	%100
60	MPRRUC	Z	0	0	0	%100
61	MP4A	X	-.608	-.608	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	-.608	-.608	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	-.608	-.608	0	%100
66	MP4C	Z	0	0	0	%100
67	MP5A	X	-.608	-.608	0	%100
68	MP5A	Z	0	0	0	%100
69	MP5B	X	-.608	-.608	0	%100
70	MP5B	Z	0	0	0	%100
71	MP5C	X	-.608	-.608	0	%100
72	MP5C	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	-.658	-.658	0	%100
2	M1	Z	-.38	-.38	0	%100
3	M2	X	-.658	-.658	0	%100
4	M2	Z	-.38	-.38	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.924	-.924	0	%100
8	M4	Z	-.534	-.534	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,%]
9	M5	X	-.231	-.231	0	%100
10	M5	Z	-.133	-.133	0	%100
11	M6	X	-.231	-.231	0	%100
12	M6	Z	-.133	-.133	0	%100
13	M25	X	-.382	-.382	0	%100
14	M25	Z	-.221	-.221	0	%100
15	M26	X	-.382	-.382	0	%100
16	M26	Z	-.221	-.221	0	%100
17	M27	X	-.382	-.382	0	%100
18	M27	Z	-.221	-.221	0	%100
19	M47	X	-.382	-.382	0	%100
20	M47	Z	-.221	-.221	0	%100
21	M48	X	-.382	-.382	0	%100
22	M48	Z	-.221	-.221	0	%100
23	M49	X	-.382	-.382	0	%100
24	M49	Z	-.221	-.221	0	%100
25	M50	X	-.382	-.382	0	%100
26	M50	Z	-.221	-.221	0	%100
27	M51	X	0	0	0	%100
28	M51	Z	0	0	0	%100
29	M52	X	0	0	0	%100
30	M52	Z	0	0	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M54A	X	-.382	-.382	0	%100
36	M54A	Z	-.221	-.221	0	%100
37	MP1A	X	-.527	-.527	0	%100
38	MP1A	Z	-.304	-.304	0	%100
39	MP1B	X	-.527	-.527	0	%100
40	MP1B	Z	-.304	-.304	0	%100
41	MP1C	X	-.527	-.527	0	%100
42	MP1C	Z	-.304	-.304	0	%100
43	MP2A	X	-.527	-.527	0	%100
44	MP2A	Z	-.304	-.304	0	%100
45	MP2B	X	-.527	-.527	0	%100
46	MP2B	Z	-.304	-.304	0	%100
47	MP2C	X	-.527	-.527	0	%100
48	MP2C	Z	-.304	-.304	0	%100
49	MP3A	X	-.638	-.638	0	%100
50	MP3A	Z	-.368	-.368	0	%100
51	MP3B	X	-.638	-.638	0	%100
52	MP3B	Z	-.368	-.368	0	%100
53	MP3C	X	-.638	-.638	0	%100
54	MP3C	Z	-.368	-.368	0	%100
55	MPRRUA	X	-.527	-.527	0	%100
56	MPRRUA	Z	-.304	-.304	0	%100
57	MPRRUB	X	-.527	-.527	0	%100
58	MPRRUB	Z	-.304	-.304	0	%100
59	MPRRUC	X	-.527	-.527	0	%100
60	MPRRUC	Z	-.304	-.304	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,%]
61	MP4A	X	-.527	-.527	0	%100
62	MP4A	Z	-.304	-.304	0	%100
63	MP4B	X	-.527	-.527	0	%100
64	MP4B	Z	-.304	-.304	0	%100
65	MP4C	X	-.527	-.527	0	%100
66	MP4C	Z	-.304	-.304	0	%100
67	MP5A	X	-.527	-.527	0	%100
68	MP5A	Z	-.304	-.304	0	%100
69	MP5B	X	-.527	-.527	0	%100
70	MP5B	Z	-.304	-.304	0	%100
71	MP5C	X	-.527	-.527	0	%100
72	MP5C	Z	-.304	-.304	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	-.507	-.507	0	%100
2	M1	Z	-.878	-.878	0	%100
3	M2	X	-.127	-.127	0	%100
4	M2	Z	-.219	-.219	0	%100
5	M3	X	-.127	-.127	0	%100
6	M3	Z	-.219	-.219	0	%100
7	M4	X	-.4	-.4	0	%100
8	M4	Z	-.693	-.693	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.4	-.4	0	%100
12	M6	Z	-.693	-.693	0	%100
13	M25	X	-.294	-.294	0	%100
14	M25	Z	-.509	-.509	0	%100
15	M26	X	-.294	-.294	0	%100
16	M26	Z	-.509	-.509	0	%100
17	M27	X	-.294	-.294	0	%100
18	M27	Z	-.509	-.509	0	%100
19	M47	X	-.074	-.074	0	%100
20	M47	Z	-.127	-.127	0	%100
21	M48	X	-.074	-.074	0	%100
22	M48	Z	-.127	-.127	0	%100
23	M49	X	-.074	-.074	0	%100
24	M49	Z	-.127	-.127	0	%100
25	M50	X	-.074	-.074	0	%100
26	M50	Z	-.127	-.127	0	%100
27	M51	X	-.074	-.074	0	%100
28	M51	Z	-.127	-.127	0	%100
29	M52	X	-.074	-.074	0	%100
30	M52	Z	-.127	-.127	0	%100
31	M53	X	-.074	-.074	0	%100
32	M53	Z	-.127	-.127	0	%100
33	M54	X	-.074	-.074	0	%100
34	M54	Z	-.127	-.127	0	%100
35	M54A	X	-.294	-.294	0	%100
36	M54A	Z	-.509	-.509	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,%]
37	MP1A	X	-.304	-.304	0	%100
38	MP1A	Z	-.527	-.527	0	%100
39	MP1B	X	-.304	-.304	0	%100
40	MP1B	Z	-.527	-.527	0	%100
41	MP1C	X	-.304	-.304	0	%100
42	MP1C	Z	-.527	-.527	0	%100
43	MP2A	X	-.304	-.304	0	%100
44	MP2A	Z	-.527	-.527	0	%100
45	MP2B	X	-.304	-.304	0	%100
46	MP2B	Z	-.527	-.527	0	%100
47	MP2C	X	-.304	-.304	0	%100
48	MP2C	Z	-.527	-.527	0	%100
49	MP3A	X	-.368	-.368	0	%100
50	MP3A	Z	-.638	-.638	0	%100
51	MP3B	X	-.368	-.368	0	%100
52	MP3B	Z	-.638	-.638	0	%100
53	MP3C	X	-.368	-.368	0	%100
54	MP3C	Z	-.638	-.638	0	%100
55	MPRRUA	X	-.304	-.304	0	%100
56	MPRRUA	Z	-.527	-.527	0	%100
57	MPRRUB	X	-.304	-.304	0	%100
58	MPRRUB	Z	-.527	-.527	0	%100
59	MPRRUC	X	-.304	-.304	0	%100
60	MPRRUC	Z	-.527	-.527	0	%100
61	MP4A	X	-.304	-.304	0	%100
62	MP4A	Z	-.527	-.527	0	%100
63	MP4B	X	-.304	-.304	0	%100
64	MP4B	Z	-.527	-.527	0	%100
65	MP4C	X	-.304	-.304	0	%100
66	MP4C	Z	-.527	-.527	0	%100
67	MP5A	X	-.304	-.304	0	%100
68	MP5A	Z	-.527	-.527	0	%100
69	MP5B	X	-.304	-.304	0	%100
70	MP5B	Z	-.527	-.527	0	%100
71	MP5C	X	-.304	-.304	0	%100
72	MP5C	Z	-.527	-.527	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	N7	max	2895.327	11	2026.199	17	1594.344	11	-.856	12	1.322	8	6.323	28
2		min	-2901.115	5	673.834	11	-1595.518	5	-3.631	30	-1.322	2	1.76	10
3	N1	max	2899.244	9	2241.2	21	1767.011	3	-.949	2	2.344	12	-1.816	4
4		min	-2896.105	3	709.631	3	-1772.473	9	-4.005	20	-2.344	6	-7.019	22
5	N4	max	836.815	10	2163.033	13	3264.269	1	7.693	13	2.034	4	.501	4
6		min	-836.549	4	692.323	7	-3258.934	7	2.053	7	-2.035	10	-.625	10

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
7	Totals:	max	6177.983	10	6231.387	13	5900.463	1						
8		min	-6177.983	4	3013.526	7	-5900.463	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M1	HSS4X4X4	.513	0	19	.070	0	y	23	111968....	139518	16.181	16.181	2....	H1-1b
2	M2	HSS4X4X4	.488	0	15	.080	0	y	22	111968....	139518	16.181	16.181	2....	H1-1b
3	M3	HSS4X4X4	.452	0	29	.065	0	y	2	111968....	139518	16.181	16.181	2....	H1-1b
4	M4	HSS4X4X4	.257	13.351	12	.111	13.351	z	11	66166.7...	139518	16.181	16.181	2....	H1-1b
5	M5	HSS4X4X4	.250	13.351	4	.089	13.351	z	3	66166.7...	139518	16.181	16.181	3....	H1-1b
6	M6	HSS4X4X4	.261	13.351	8	.088	13.351	z	7	66166.7...	139518	16.181	16.181	2....	H1-1b
7	M25	L2x2x4	.010	0	6	.001	0	z	12	28821.6	30585.6	.691	1.577	2....	H2-1
8	M26	L2x2x4	.010	0	6	.001	0	z	12	28821.6	30585.6	.691	1.577	2....	H2-1
9	M27	L2x2x4	.010	0	6	.001	0	z	12	28821.6	30585.6	.691	1.577	2....	H2-1
10	M47	L2x2x4	.010	0	10	.001	0	z	10	28821.6	30585.6	.691	1.577	2....	H2-1
11	M48	L2x2x4	.010	0	10	.001	0	z	10	28821.6	30585.6	.691	1.577	2....	H2-1
12	M49	L2x2x4	.010	0	10	.001	0	z	10	28821.6	30585.6	.691	1.577	2....	H2-1
13	M50	L2x2x4	.010	1.083	4	.001	1.083	z	10	28821.6	30585.6	.691	1.577	2....	H2-1
14	M51	L2x2x4	.010	0	2	.001	0	z	8	28821.6	30585.6	.691	1.577	2....	H2-1
15	M52	L2x2x4	.010	0	2	.001	0	z	8	28821.6	30585.6	.691	1.577	2....	H2-1
16	M53	L2x2x4	.010	0	2	.001	0	z	8	28821.6	30585.6	.691	1.577	2....	H2-1
17	M54	L2x2x4	.010	1.083	8	.001	1.083	z	8	28821.6	30585.6	.691	1.577	2....	H2-1
18	M54A	L2x2x4	.010	1.083	12	.001	1.083	z	12	28821.6	30585.6	.691	1.577	2....	H2-1
19	MP1A	PIPE_2.0	.160	3.938	4	.091	3.938		4	17855.0...	32130	1.872	1.872	2....	H1-1b
20	MP1B	PIPE_2.0	.263	3.938	11	.158	3.938		8	17855.0...	32130	1.872	1.872	2....	H1-1b
21	MP1C	PIPE_2.0	.121	3.938	12	.053	3.938		12	17855.0...	32130	1.872	1.872	2....	H1-1b
22	MP2A	PIPE_2.0	.160	3.281	1	.028	3.281		9	23088.1...	32130	1.872	1.872	1....	H1-1b
23	MP2B	PIPE_2.0	.160	3.281	5	.028	3.281		1	23088.1...	32130	1.872	1.872	1....	H1-1b
24	MP2C	PIPE_2.0	.160	3.281	9	.028	3.281		5	23088.1...	32130	1.872	1.872	1....	H1-1b
25	MP3A	PIPE_2.5	.341	4.167	7	.075	4.167		9	30038.4...	50715	3.596	3.596	1....	H1-1b
26	MP3B	PIPE_2.5	.341	4.167	11	.075	4.167		1	30038.4...	50715	3.596	3.596	1....	H1-1b
27	MP3C	PIPE_2.5	.341	4.167	3	.075	4.167		5	30038.4...	50715	3.596	3.596	1....	H1-1b
28	MPRRUA	PIPE_2.0	.154	3.281	1	.025	3.281		5	23088.1...	32130	1.872	1.872	1....	H1-1b
29	MPRRUB	PIPE_2.0	.155	3.281	5	.025	3.281		9	23088.1...	32130	1.872	1.872	1....	H1-1b
30	MPRRUC	PIPE_2.0	.154	3.281	9	.025	3.281		1	23088.1...	32130	1.872	1.872	1....	H1-1b
31	MP4A	PIPE_2.0	.155	4.167	7	.031	4.167		8	14916.0...	32130	1.872	1.872	1....	H1-1b
32	MP4B	PIPE_2.0	.155	4.167	11	.031	4.167		12	14916.0...	32130	1.872	1.872	1....	H1-1b
33	MP4C	PIPE_2.0	.155	4.167	3	.031	4.167		4	14916.0...	32130	1.872	1.872	1....	H1-1b
34	MP5A	PIPE_2.0	.179	4.167	4	.091	4.167		10	14916.0...	32130	1.872	1.872	1....	H1-1b
35	MP5B	PIPE_2.0	.293	4.167	11	.158	4.167		2	14916.0...	32130	1.872	1.872	1....	H1-1b
36	MP5C	PIPE_2.0	.136	4.167	12	.069	4.167		6	14916.0...	32130	1.872	1.872	1....	H1-1b

TIA-222-H CONNECTION CHECK
Mount to Tower Connection - Typ. All Sectors
2021740.467642.01

Bolt Information		
Bolt Diameter (d)	0.75	in
Net Tensile Area (An)	0.334	in^2
# of Bolts Total (n)	4	
Bolt Distance Up-Down	8	in
Bolt Distance Left-Right	3	in
Bolt Grade	A325N	
Bolt Tensile Strength (F_{ub})	120	ksi

Flange Information		
Height (h)	10	in
Width (w)	6	in
Thickness (t)	0.75	in
Steel Grade	A36	
Plate Yield Strength (Fy)	36	ksi
Support Arm Height	4	in
Support Arm Width	4	in

RISA 3D Reactions		
Moment (M)	8.06	k-ft
Axial (T)	0.76	kips
Shear (V)	2.24	kips

Bolt Capacity		
Nominal Tensile Strength (R_{nt})	40.135	kips
Nominal Shear Strength (R_{nv})	26.51	kips
Bolt Tensile Force (T_{ub})	6.24	kips
Bolt Shear Force (V_{ub})	0.560	kips
$T_{ub}/\phi R_{nt}$	0.20727	
$V_{ub}/\phi R_{nv}$	0.02818	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.04376	
Bolt Capacity =	20.7%	OK

Plate Capacity		
Bolt Circle (D_{BC})	8.544	in
Effective Width (B_{eff})	6.00	in
Flexural Moment (M_u)	24.96	k-in
Flexural Strength ($ØM_n$)	27.34	k-in
Plate Capacity=	91.3%	OK

Weld Capacity		
Fillet (leg) =	0.250	in
Throat (eff) =	0.18	in
Fexx =	70.00	ksi
ø =	0.75	
øRn =	5.57	kips/in
Weld Capacity=	90.8%	OK

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Response:

Schedule A – Photo & Document File Structure

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

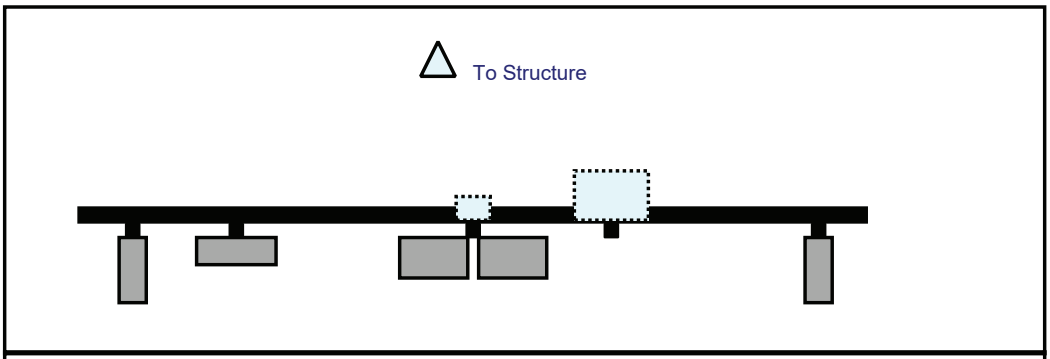
Structure: 467642-VZW - BRANFORD 3 CT

Sector: **A** 6/24/2021

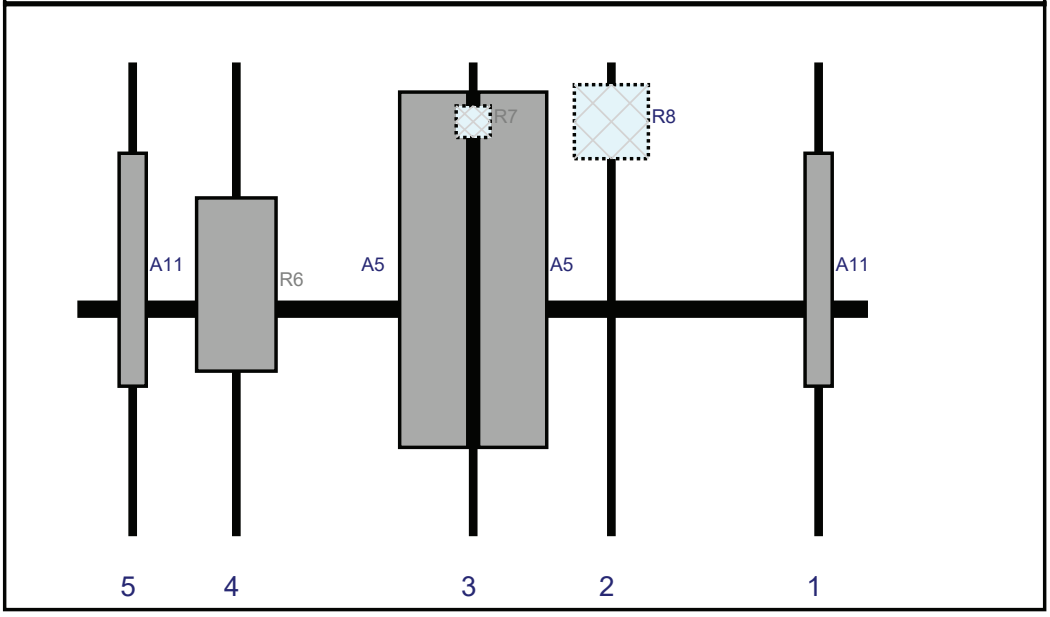
Structure Type: Self Support 10039600

Mount Elev: 115.50 Page: 1

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A11	LPA-80080-4CF	47.2	5.5	150.215	1	a	Front	42	0	Retained	02/24/2021
R8	B2/B66A RRH-BR049	15	15	108.215	2	a	Behind	12	0	Added	
A5	JAHH-65B-R3B	72	13.8	80.215	3	a	Front	42	8	Added	
A5	JAHH-65B-R3B	72	13.8	80.215	3	b	Front	42	-8	Added	
R7	CB78T-DS-43-2X	6.4	6.9	80.215	3	b	Behind	12	0	Added	
R6	MT6407-77A	35.1	16.1	32.215	4	a	Front	45	0	Added	
A11	LPA-80080-4CF	47.2	5.5	11.215	5	a	Front	42	0	Retained	02/24/2021

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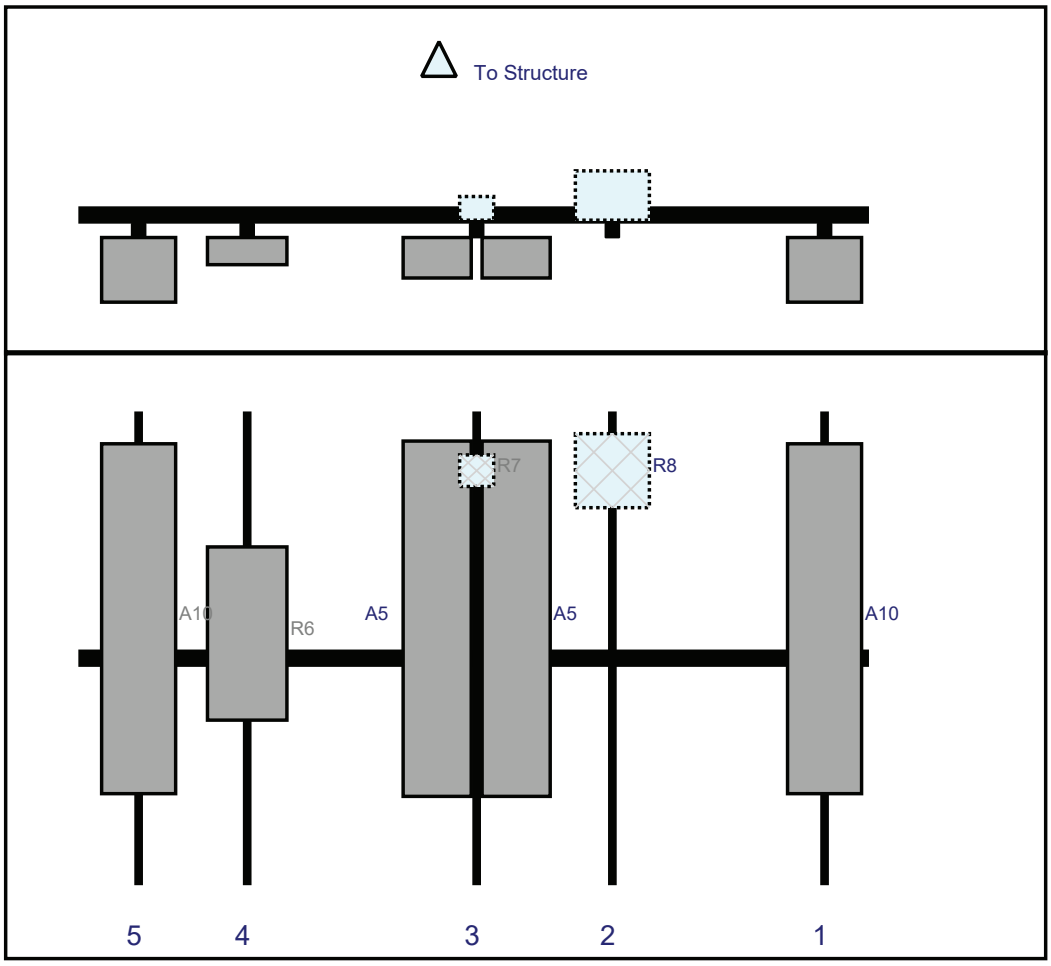
Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A10	LPA-80063/6CF	70.9	15	151.215	1	a	Front	42	0	Retained	02/24/2021
R8	B2/B66A RRH-BR049	15	15	108.215	2	a	Behind	12	0	Added	
A5	JAHH-65B-R3B	72	13.8	80.715	3	a	Front	42	8	Added	
A5	JAHH-65B-R3B	72	13.8	80.715	3	b	Front	42	-8	Added	
R7	CB78T-DS-43-2X	6.4	6.9	80.715	3	b	Behind	12	0	Added	
R6	MT6407-77A	35.1	16.1	34.215	4	a	Front	45	0	Added	
A10	LPA-80063/6CF	70.9	15	12.215	5	a	Front	42	0	Retained	02/24/2021

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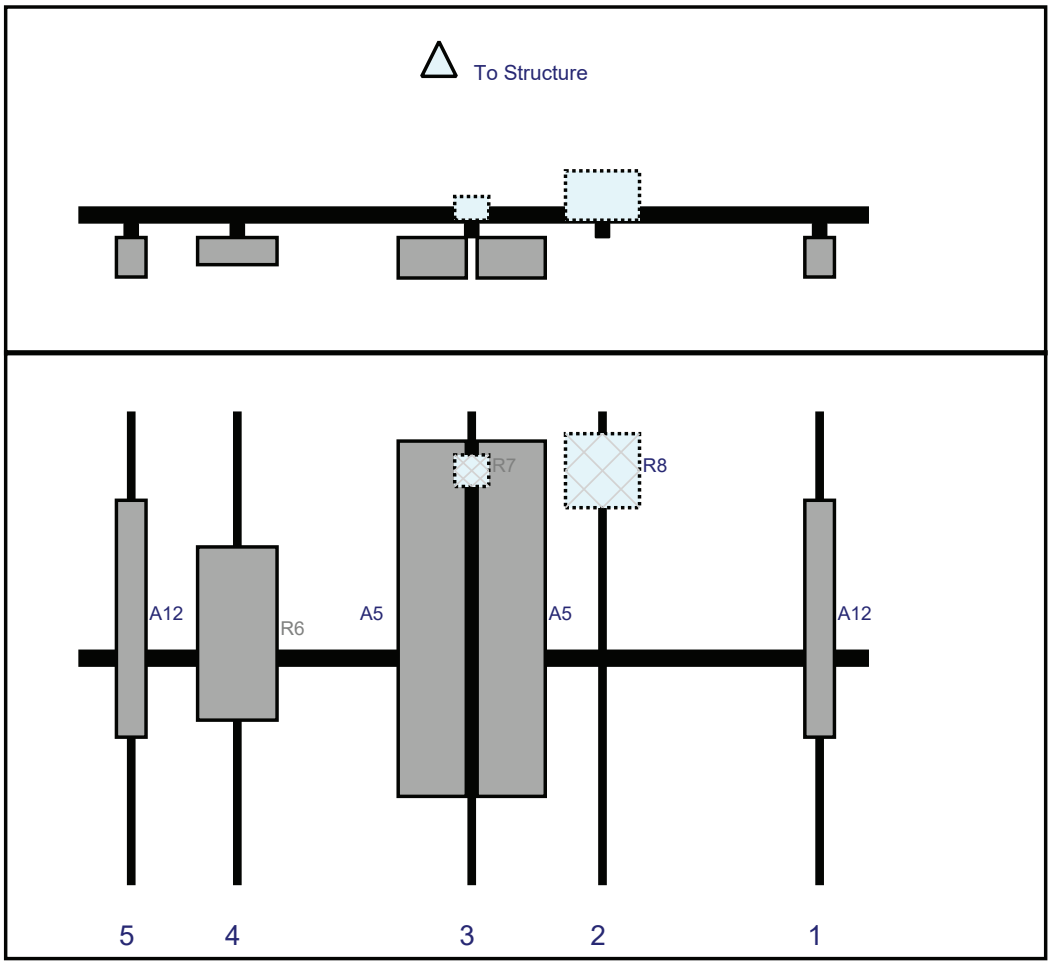
Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A12	APL868013	48	6	150.215	1	a	Front	42	0	Retained	02/24/2021
R8	B2/B66A RRH-BR049	15	15	106.215	2	a	Behind	12	0	Added	
A5	JAHH-65B-R3B	72	13.8	79.715	3	a	Front	42	8	Added	
A5	JAHH-65B-R3B	72	13.8	79.715	3	b	Front	42	-8	Added	
R7	CB78T-DS-43-2X	6.4	6.9	79.715	3	b	Behind	12	0	Added	
R6	MT6407-77A	35.1	16.1	32.215	4	a	Front	45	0	Added	
A12	APL868013	48	6	10.715	5	a	Front	42	0	Retained	02/24/2021

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GPD Engineering and Architecture
Professional Corporation

June 24, 2021
2021740.467642.01

Subject	TIA-222-H Usage
Site Information	Site ID: 467642-VZW / Branford 3 CT Site Name: Branford 3 CT Carrier Name: Verizon Wireless Address: 21 Acorn St Branford, Connecticut 06405 New Haven County Latitude: 41.293072° Longitude: -72.762889 °
Structure Information	Tower Type: 150-Ft Self Support Mount Type: 13.35-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

GPD Group

Christopher J. Scheks, P.E.
Connecticut #: 0030026

Exhibit F

Power Density/RF Emissions Report

Site Name: ***BRANFORD 3 CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)
VZW 700	751	4	634	2534	116	0.0068
VZW CDMA	877.26	2	499	998	116	0.0027
VZW Cellular	874	4	725	2902	116	0.0078
VZW PCS	1975	4	1550	6201	116	0.0166
VZW AWS	2120	4	1530	6120	116	0.0164
VZW CBAND	3730.08	4	6531	26125	116	0.0698

Total Percentage of Maximum Permissible Exposure

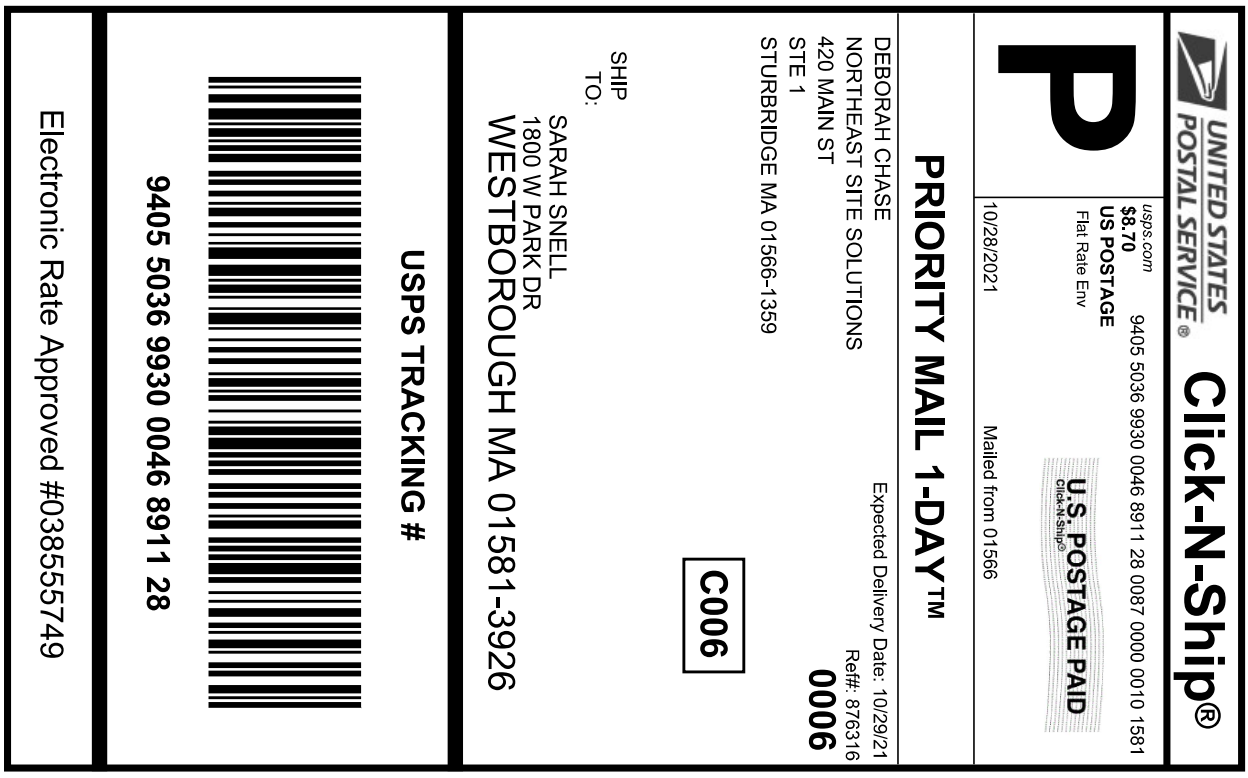
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council

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

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0046 8911 28

Trans. #:	547110251
Print Date:	10/28/2021
Ship Date:	10/28/2021
Expected Delivery Date:	10/29/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

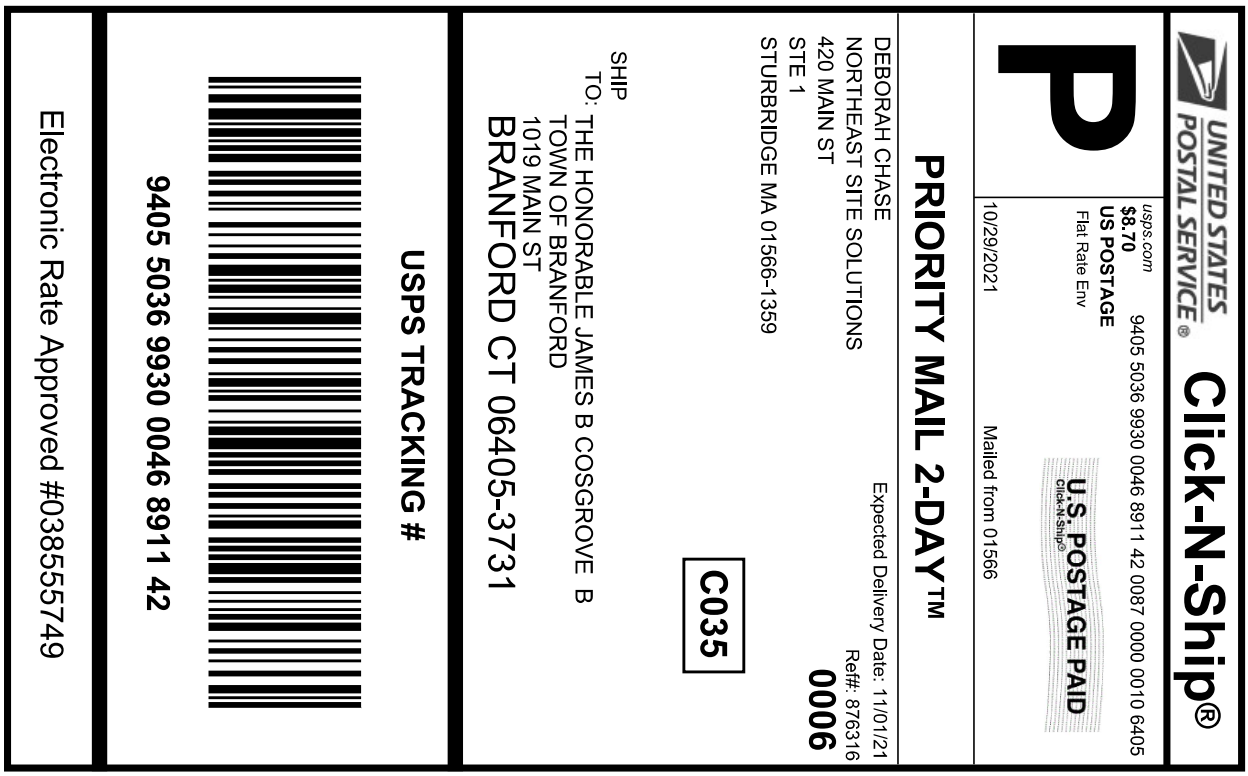
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: 876316

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

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

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com



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Click-N-Ship® Label Record

USPS TRACKING # :

9405 5036 9930 0046 8911 42

Trans. #:	547110251
Print Date:	10/28/2021
Ship Date:	10/29/2021
Expected Delivery Date:	11/01/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

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

Ref#: 876316

To: THE HONORABLE JAMES B COSGROVE B COSGROVE
TOWN OF BRANFORD
1019 MAIN ST
BRANFORD CT 06405-3731

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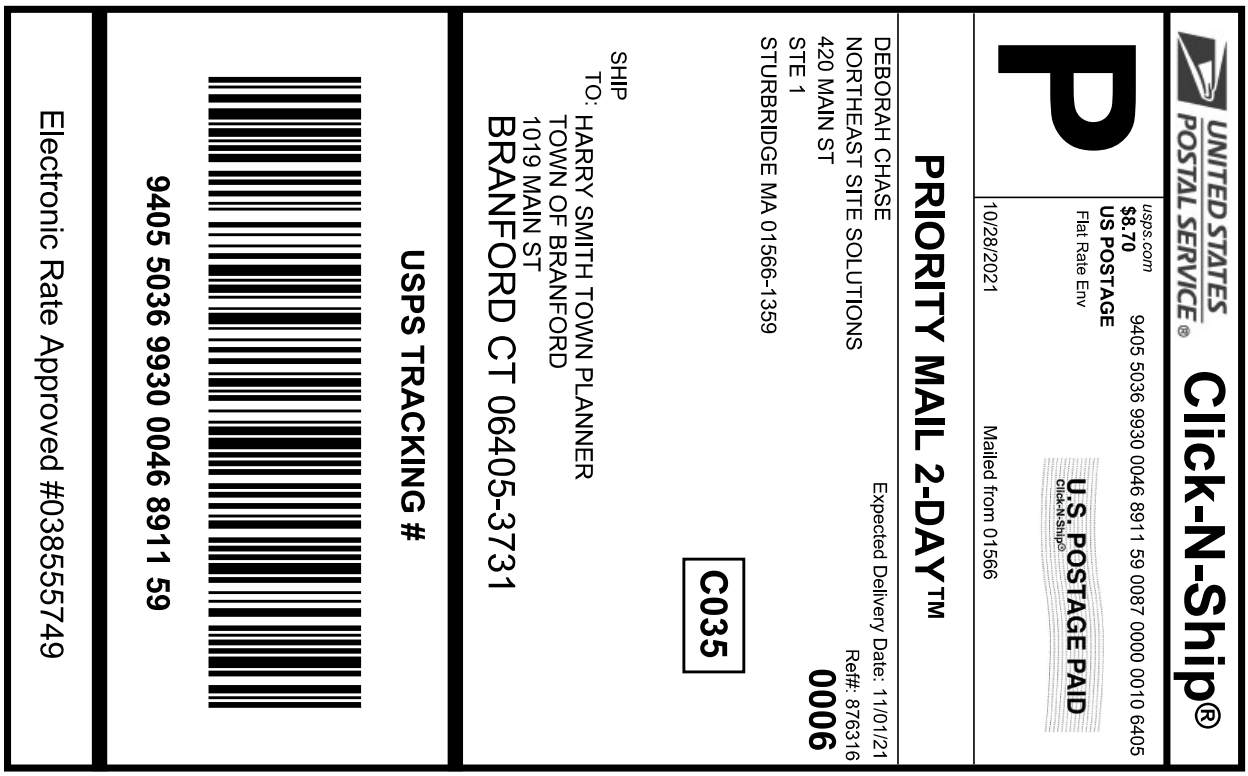

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Click-N-Ship® Label Record

USPS TRACKING # :
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Print Date:	10/28/2021
Ship Date:	10/28/2021
Expected Delivery Date:	11/01/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

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

Ref#: 876316

To: HARRY SMITH TOWN PLANNER
TOWN OF BRANFORD
1019 MAIN ST
BRANFORD CT 06405-3731

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Thank you for shipping with the United States Postal Service!
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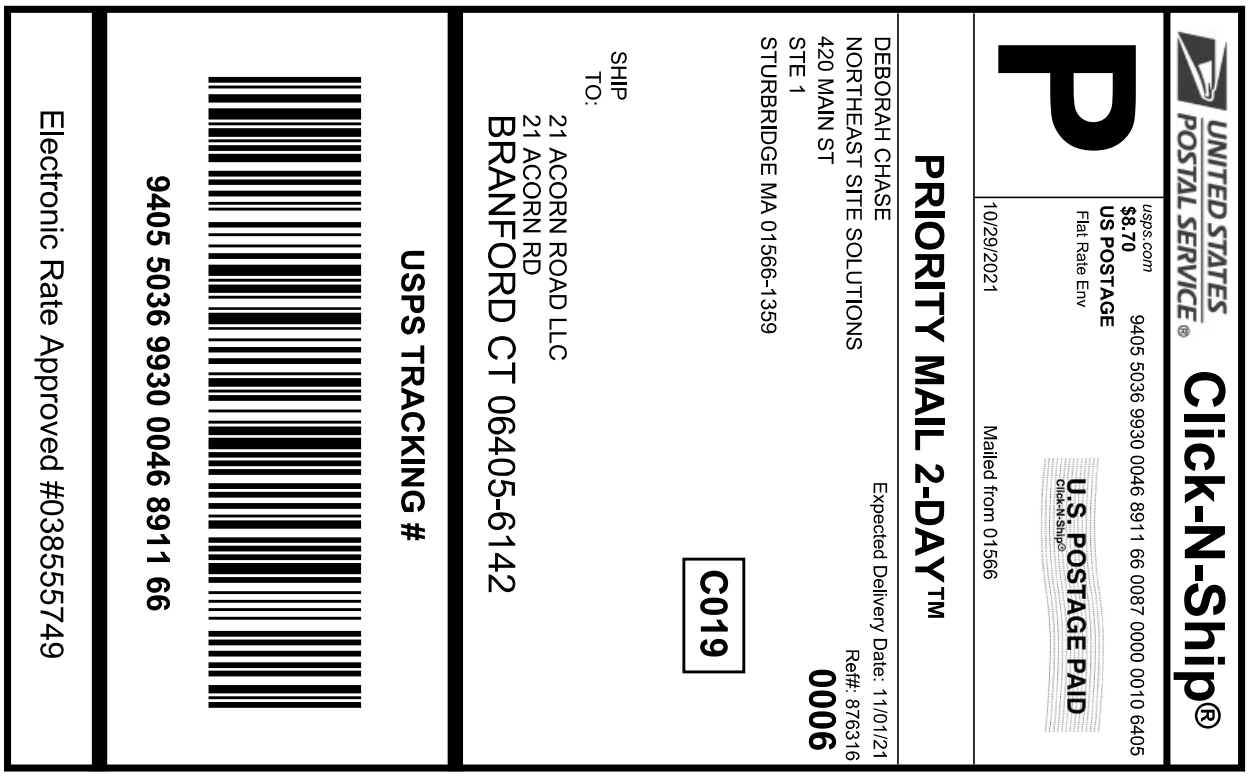

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Click-N-Ship® Label Record

USPS TRACKING # :
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Trans. #:	547110251
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Ship Date:	10/29/2021
Expected Delivery Date:	11/01/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

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

Ref#: 876316

To: 21 ACORN ROAD LLC
21 ACORN RD
BRANFORD CT 06405-6142

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Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com

876316

UNITED STATES POSTAL SERVICE.

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

11/01/2021 11:53 AM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Mon 11/01/2021 Tracking #: 9405 5036 9930 0046 8911 28	1		$0.00
Prepaid Mail Branford, CT 06405 Weight: 1 lb 8.00 oz Acceptance Date: Mon 11/01/2021 Tracking #: 9405 5036 9930 0046 8911 42	1		$0.00
Prepaid Mail Branford, CT 06405 Weight: 1 lb 8.00 oz Acceptance Date: Mon 11/01/2021 Tracking #: 9405 5036 9930 0046 8911 66	1		$0.00
Prepaid Mail Branford, CT 06405 Weight: 1 lb 7.90 oz Acceptance Date: Mon 11/01/2021 Tracking #: 9405 5036 9930 0046 8911 59	1		$0.00
Grand Total:			$0.00

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