NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

November 3, 2021

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

RE: Exempt Modification Application
53 Westminster Road, Canterbury, CT 06331
Latitude: 41.702000
Longitude: -71.980583
Site #: 876375_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 53 Westminster Road, Canterbury, CT 06331. Verizon Wireless currently maintains twelve (12) antennas at the 170-foot level of the existing 180-foot tower. The property is owned by John Lemire and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antennas. The new antennas would be installed at the 170-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated August 13, 2021.

Verizon Planned Modifications:

Remove:
(12) 1-5/8" Coax
(2) 1-1/4" Hybrid Lines

Remove and Replace:
(3) BXA-171063-12BF-EDIN-2 Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
(6) BXA-70063-6CF-4 Antennas (REMOVE) – (6) NHH-65B-R2B Antennas (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung RF4440d-13A (REPLACE)
(3) Nokia B4 RRH (REMOVE) - (3) Samsung RF4439d-25A (REPLACE)
(1) Raycap OVP (REMOVE) – (1) Raycap RVZDC-6627-PF-48 (REPLACE)

Install New:
(1) 1-5/8" Hybrid Line

Existing to Remain:
(3) AMPHENOL / ANTEL Antennas

The facility was originally approved by the Canterbury Planning & Zoning Commission on April 18, 2000. Please see attached.

NORTHEAST SITE SOLUTIONS

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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 Christopher Lippke, First Selectman, and Melissa Gill, Zoning Enforcement Officer for the Town of Canterbury. A copy is also being sent to the tower owner and property owner.

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

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

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

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

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

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

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

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

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: Christopher Lippke - First Selectman
Town of Canterbury
1 Municipal Drive, Canterbury, CT 06331

Melissa Gill - Zoning Enforcement Officer
Town of Canterbury
1 Municipal Drive, Canterbury, CT 06331

John Lemire – Property Owner
14 Debbie Ct., Norwich, CT 06360

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

Town of Canterbury
Notice of Action

Appeal: ☐ Site Plan: ☒ Special Exception: ☒ Special Use Permit: ☐
Subdivision: ☐ Variance: ☐ Wetlands: ☐ Zone Change: ☐
Zoning Regulation: ________ Section: ________

Applicant: Spcint Specteum

Name of Record Owner (If different): ____________

Street Address of Property: 53 Westminster Road Map#: 46 Lot(s)#: 32

Deed Reference: Volume: 85 Page: 331

Description of Property: (Should be attached)

Description of Action: Approved Application #99-8-SE, Special Exception with stipulations, submitted by Sprint Spectrum for a Telecommunications Tower on 53 Westminster Road, Map 46 Lot 32

Date Approved: [illegible]

Effective Date: [illegible]

Legal Notice of Action published (date & publication): [illegible]

Conditions, if any: 1) An 8 foot fence shall be substituted for the proposed 6 foot fence; 2) proper signage shall be posted as per plans and shall include "No Trespassing" signs; 3) emergency access keys shall be given to the Town Fire Company; and 4) a $30,000 bond shall be posted to ensure proper removal of the tower due to abandonment.

Patricia J. Grassi
Town Clerk

4/26/00
Date

4:00 pm
Time

Lee Wrigley (log)
Chairman

Planning - Zoning Commission
Commission/Board

4/18/00
Date

This Notice of Action must be recorded with the Canterbury Town Clerk by the applicant within 90 days of the effective date.

RECEIVED FOR RECORD
THIS 26th DAY OF April 20 00 AT 4:00 P.M
Patricia J. Grassi
TOWN CLERK OF CANTERBURY

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

November 9, 2001

David S. Malko
Manager-Engineering
Verizon Wireless
Network Department
99 East River Drive
East Hartford, CT 06108

RE: **TS-VER-022-011018** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at a telecommunications facility located at 53 Westminster Road, Canterbury, Connecticut.

Dear Mr. Malko:

At a public meeting held November 7, 2001, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures, with the condition that PCS antennas are removed within 6 months of installation if they are not used. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated October 11, 2001.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Neil A. Dupont, Sr., First Selectman, Town of Canterbury
Darlene L. Gannon, Zoning Enforcement Officer, Town of Canterbury
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC

l:\siting\cm\bam-ver\canterbury\dc110701.doc

Exhibit B

Property Card

53 WESTMINSTER RD

Location	53 WESTMINSTER RD	**Mblu**	46/ 32/ / /
Acct#	00144000	**Owner**	LEMIRE JOHN R
Assessment	$290,500	**Appraisal**	$467,650
PID	1715	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$106,400	$361,250	$467,650
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$74,600	$215,900	$290,500

Owner of Record

Owner	LEMIRE JOHN R	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	14 DEBBIE CT NORWICH, CT 06360	**Book & Page**	85/ 331
		Sale Date	07/27/1988

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
LEMIRE JOHN R	$0		85/ 331	07/27/1988

Building Information

Building 1 : Section 1

Year Built:	1971
Living Area:	544
Replacement Cost:	$45,088
Building Percent Good:	44
Replacement Cost Less Depreciation:	$19,800

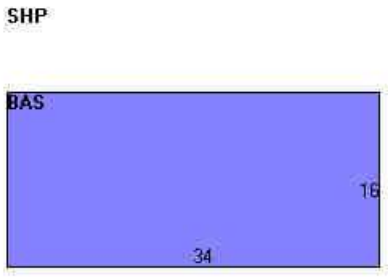
Building Attributes

Field	Description
Style	Manufactured Home
Model	Mobile Homes
Grade:	D
Stories	1 Story
Occupancy	1
Exterior Wall 1	Pre-Fab Wood
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	Panelling
Interior Flr 1	Carpet
Interior Flr 2	Linoleum
Heat Fuel	Oil
Heat Type:	Forced Hot Air
AC Type:	None
Total Bedrooms:	1 Bedroom
Total Bthrms:	1
Total Half Baths:	0
Extra Fixtures	
Total Rooms:	2 Rooms
Bath Style:	Average
Kitchen Style:	Average
Fireplaces	0
Xtra Openings	0
Gas Fireplaces	0
Woodstove	
SF Fin Bsmt	
Fin Bsmt Qual	
Bsmt Gar	
Blocked FPL	0

Building Photo

(http://images.vgsi.com/photos/CanterburyCTPhotos//\00\00\42/67.jpg)

Building Layout



(http://images.vgsi.com/photos/CanterburyCTPhotos//Sketches/1715_2072

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	544	544
		544	544

Building 1 : Section 1

Year Built: 1971
Living Area: 0
Replacement Cost: $45,088
Building Percent Good: 44
Replacement Cost Less Depreciation: $19,800

Building Attributes	
Field	Description

Style	Outbuildings
Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Fireplaces	
Xtra Openings	
Gas Fireplaces	
Woodstove	
SF Fin Bsmt	
Fin Bsmt Qual	
Bsmt Gar	
Blocked FPL	

Building Photo

(http://images.vgsi.com/photos/CanterburyCTPhotos//default.jpg)

Building Layout

Building Layout

(http://images.vgsi.com/photos/CanterburyCTPhotos//Sketches/1715_3302

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Land Line Valuation

Use Code	1030	**Size (Acres)**	35.43
Description	Manufactured Home	**Frontage**	0
Zone	RD	**Depth**	0
Neighborhood		**Assessed Value**	$215,900
Alt Land Appr	No	**Appraised Value**	$361,250
Category			

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
SHD6	Cell Equipment Bldg			320 S.F.	$80,000	1
SHP2	Work Shop - Good			384 S.F	$5,800	1
FN4	FENCE-8' CHAIN			240 L.F.	$800	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$21,300	$280,710	$302,010
2018	$21,300	$280,710	$302,010
2017	$21,300	$280,710	$302,010

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$15,000	$162,900	$177,900
2018	$15,000	$170,300	$185,300
2017	$15,000	$170,300	$185,300


Canterbury
Elementary School
N Canterbury Rd
Canterbury Cones
Burgis Brook Farm
Palmer Brook
CT Home Grown
R & R General
Repair, Inc
Darby Brook
Park & Ride
Robert Manship Park
169
14
Dr. Helen Baldwin
Middle School
Canterbury
Westminster Rd
Canterbury
mily Practice
Westminster Rd
Hart's Greenhouse
& Florist

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 1315031
VERIZON SITE NAME: CANTERBURY CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 180'-6"

BUSINESS UNIT #: 876375
SITE ADDRESS: 53 WESTMINSTER ROAD CANTERBURY, CT 06331
COUNTY: WINDHAM
JURISDICTION: TOWN OF CANTERBURY

VERIZON 5G L-SUB6-CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	CANTERBURY/LEMIRE
SITE ADDRESS:	53 WESTMINSTER ROAD CANTERBURY, CT 06331
COUNTY:	WINDHAM
MAP/PARCEL #:	46-32
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41°42'7.15"
LONGITUDE:	-71°58'50.11"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	350 FT
CURRENT ZONING:	RD (RURAL DISTRICT)
JURISDICTION:	TOWN OF CANTERBURY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	JOHN R LEMIRE 14 DEBBIE CT NORWICH, CT 06360
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NORTHEAST UTILITIES
TELCO PROVIDER:	FIBER APP

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NJ 07430 WILLIAM GATES - PROJECT MANAGER WILLIAM.GATES@CROWN.CASTLE.COM
VERIZON CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

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 11X17. 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	10094135
VzW LOCATION CODE (PSLC)	468760

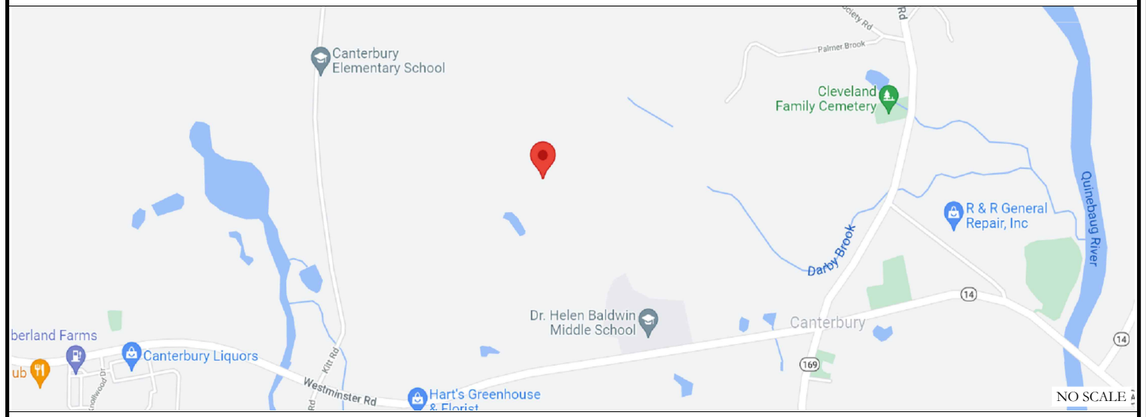
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (20 ALEXANDER DRIVE, WALLINGFORD, CT 06492): HEAD SOUTH TOWARD ALEXANDER DR, SLIGHT RIGHT TOWARD ALEXANDER DR, TURN RIGHT TOWARD ALEXANDER DR, TURN RIGHT ONTO ALEXANDER DR, TURN RIGHT ONTO BARNES INDUSTRIAL PARK RD, TURN RIGHT ONTO CT-68 E, CONTINUE STRAIGHT TO STAY ON CT-68 E, SHARP LEFT TO MERGE ONTO I-91 N TOWARD HARTFORD, TAKE THE EXIT ONTO CT-3 N TOWARD GLASTONBURY, TAKE THE EXIT ONTO CT-2 E TOWARD NORWICH, KEEP LEFT AT THE FORK TO STAY ON CT-2 E, FOLLOW SIGNS FOR 2 E, TAKE EXIT 28N TO MERGE ONTO I-395 N TOWARD PROVIDENCE, TAKE EXIT 19 FOR CT-169 TOWARD LISBON, TURN LEFT ONTO CT-169 N, TURN LEFT ONTO CT-14 W, TURN RIGHT ONTO DIRT ROAD, CONTINUE TO 53 WESTMINSTER ROAD

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2015 IBC
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	CROWN CASTLE
DATED:	09/09/2021
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	08/13/2021
RFDS REVISION:	0
DATED:	07/27/2021
ORDER ID:	583562
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) RRHs
- REMOVE (1) OVP
- REMOVE (12) COAX
- REMOVE (2) HYBRID CABLES
- RELOCATE (3) ANTENNAS
- INSTALL (9) ANTENNAS
- INSTALL (3) DUAL ANTENNA MOUNTS
- INSTALL (6) RRHs
- INSTALL (1) OVP
- INSTALL (1) HYBRID CABLE

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

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

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

ETS ENGINEERED TOWER SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
1315031

BU #: **876375**
CANTERBURY/LEMIRE

53 WESTMINSTER ROAD
CANTERBURY, CT 06331

EXISTING 180'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	09/27/2021	CP	PRELIMINARY	DG

STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED
PROFESSIONAL ENGINEER

09/27/2021

SHEET NUMBER: T-1
REVISION: 0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

CONDUCTOR COLOR CODE

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

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

ETS
ENGINEERED TOWER SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
1315031

BU #: **876375**
CANTERBURY/LEMIRE

53 WESTMINSTER ROAD
CANTERBURY, CT 06331

EXISTING 180'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	09/27/2021	CP	PRELIMINARY	DG

STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED PROFESSIONAL ENGINEER

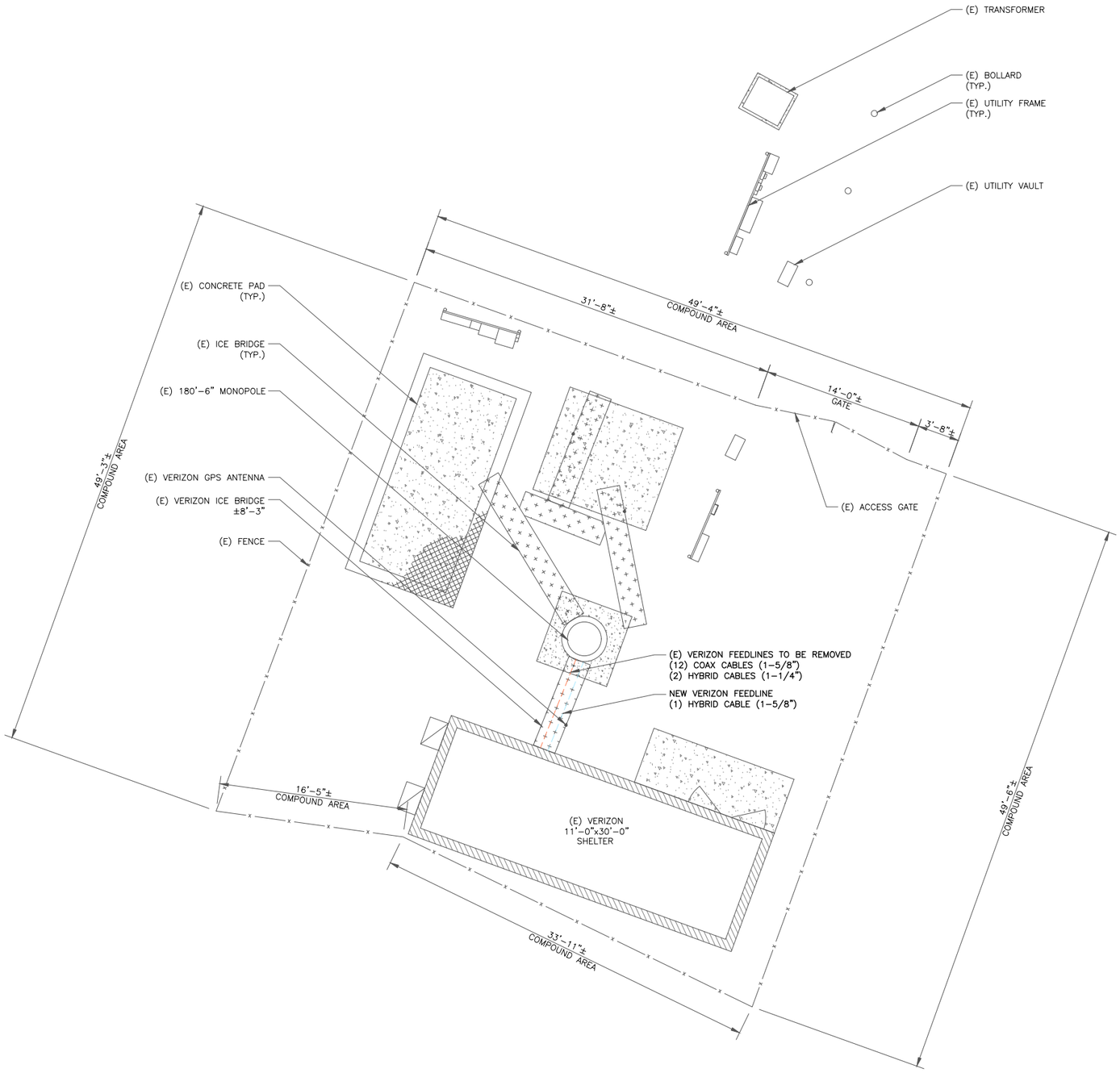
F Geoffrey Bost

09/27/2021

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

SHEET NUMBER: T-2

REVISION: 0



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

N

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

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

ETS ENGINEERED TOWER SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615

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1315031

BU #: **876375**
CANTERBURY/LEMIRE

53 WESTMINSTER ROAD
CANTERBURY, CT 06331

EXISTING 180'-6" MONOPOLE

ISSUED FOR:

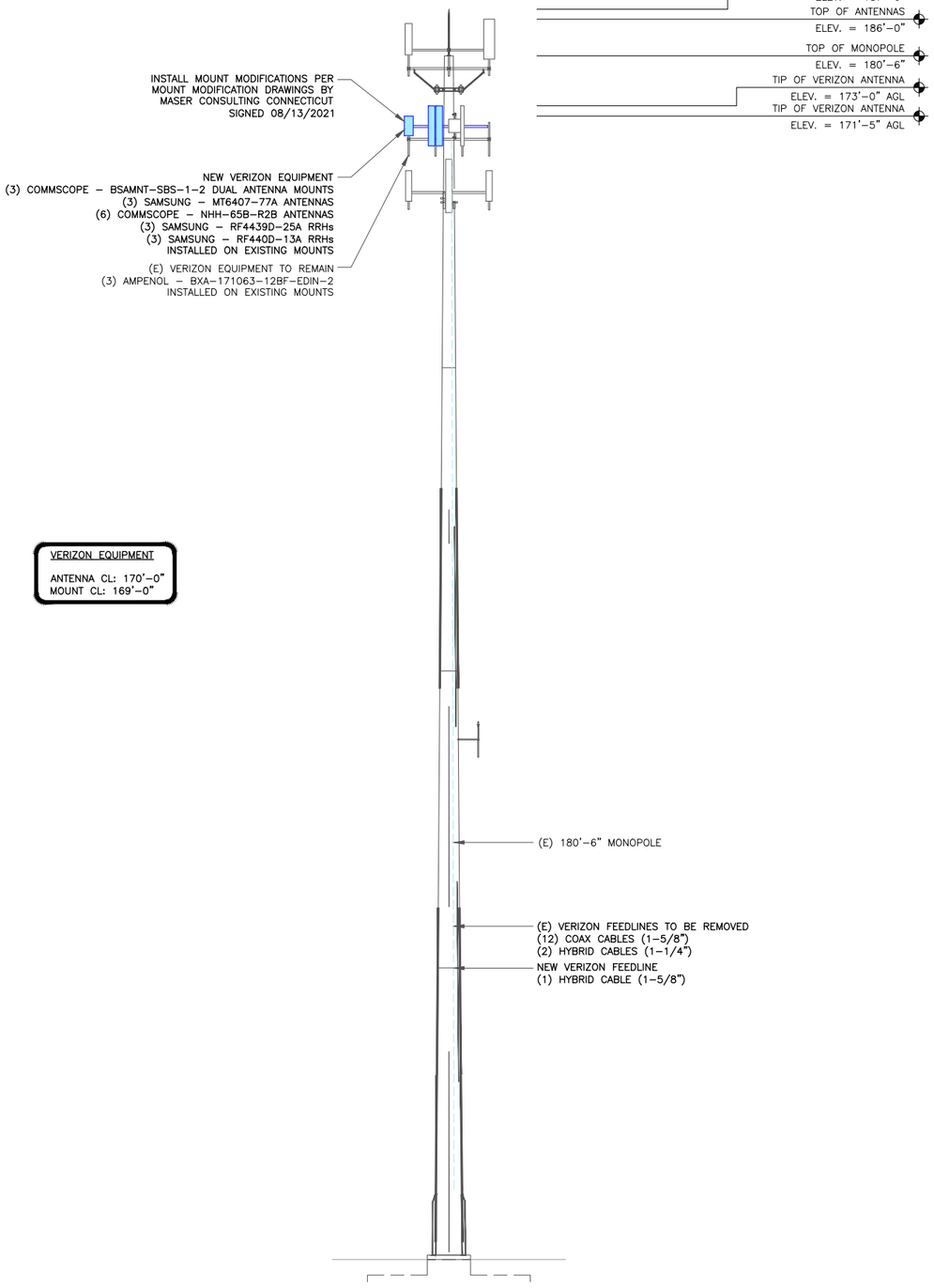
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	09/27/2021	CP	PRELIMINARY	DG

STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED PROFESSIONAL ENGINEER

09/27/2021

SHEET NUMBER: C-1

REVISION: 0



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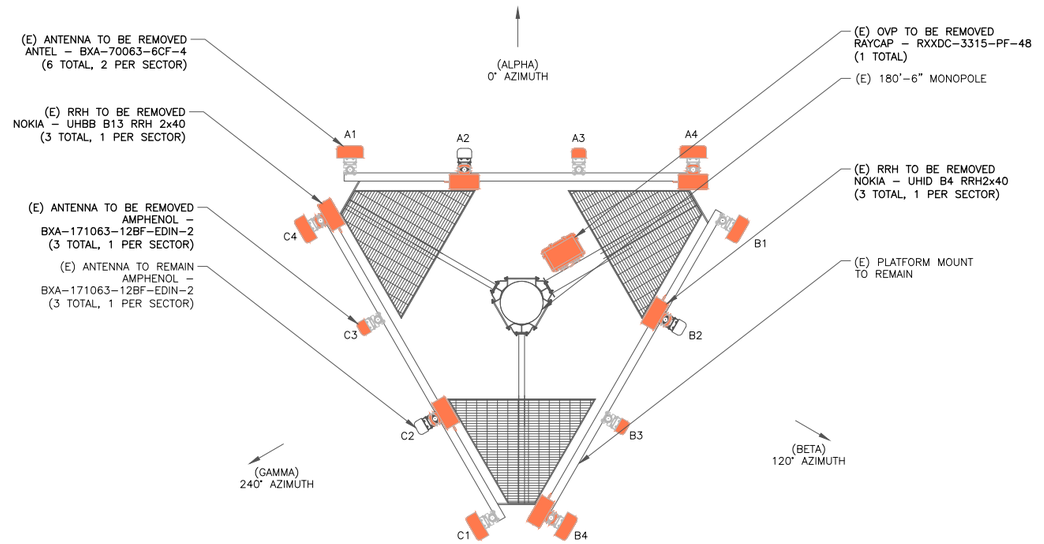

2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

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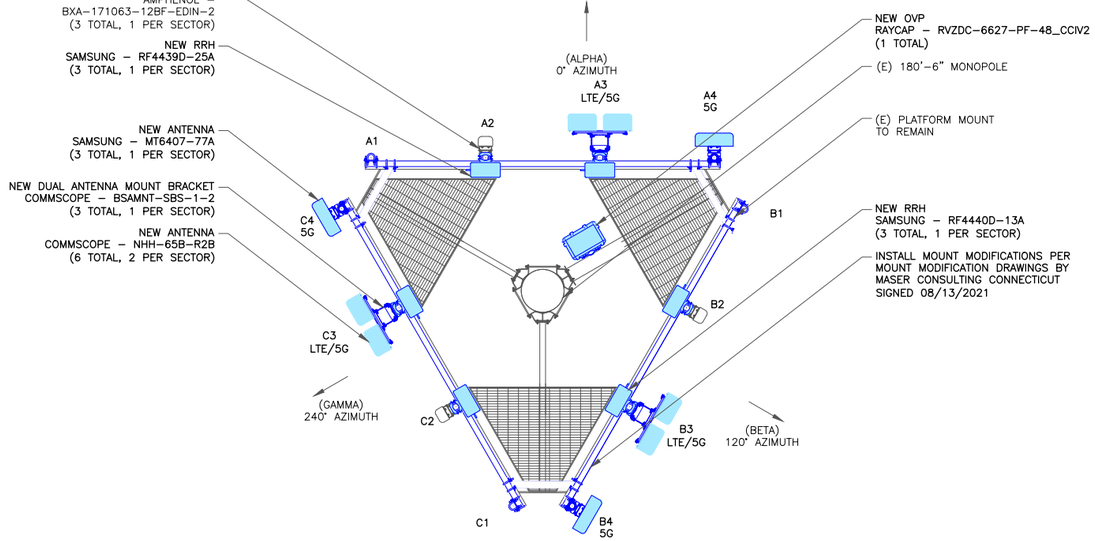


3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

N

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

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

ETS
ENGINEERED TOWER SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
1315031

BU #: **876375**
CANTERBURY/LEMIRE

53 WESTMINSTER ROAD
CANTERBURY, CT 06331

EXISTING 180'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	09/27/2021	CP	PRELIMINARY	DG

09/27/2021

SHEET NUMBER: C-2

REVISION: 0

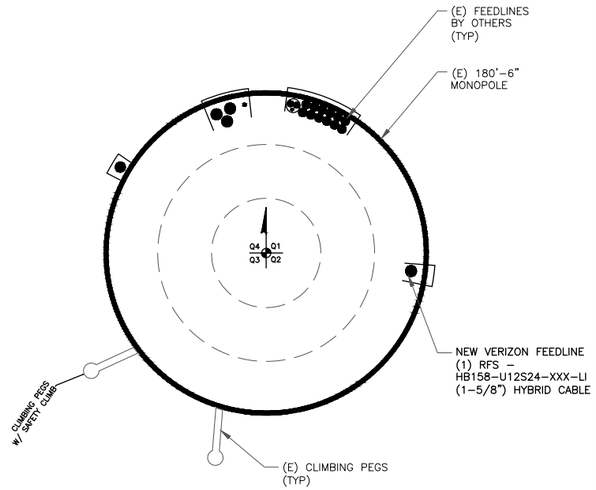
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	--	--	--	--	--	--	--	--	--
A2	EXISTING	AMPHENOL	BXA-171063-12BF-EDIN-2	170'-0"	0°	--	--	-	-
A3	NEW	COMMSCOPE	NHH-65B-R2B	170'-0"	0°	0°	6°/6°/6°	SAMSUNG	(1) B5/B13 RRH-RF4440D-13A
	NEW	COMMSCOPE	NHH-65B-R2B	170'-0"	0°	0°	2°/2°	SAMSUNG	(1) B2/B66A RRH-RF4439D-25A
A4	NEW	SAMSUNG	CBRS	170'-0"	0°	0°	6°	RAYCAP	(1) RVZDC-3315-PF-48
B1	--	--	--	--	--	--	--	--	--
B2	EXISTING	AMPHENOL	BXA-171063-12BF-EDIN-2	170'-0"	120°	--	--	-	-
B3	NEW	COMMSCOPE	NHH-65B-R2B	170'-0"	120°	0°	8°/8°/8°	SAMSUNG	(1) B5/B13 RRH-RF4440D-13A
	NEW	COMMSCOPE	NHH-65B-R2B	170'-0"	120°	0°	2°/2°	SAMSUNG	(1) B2/B66A RRH-RF4439D-25A
B4	NEW	SAMSUNG	CBRS	170'-0"	120°	0°	6°	--	--
C1	--	--	--	--	--	--	--	--	--
C2	EXISTING	AMPHENOL	BXA-171063-12BF-EDIN-2	170'-0"	240°	--	--	-	-
C3	NEW	COMMSCOPE	NHH-65B-R2B	170'-0"	240°	0°	6°/6°/6°	SAMSUNG	(1) B5/B13 RRH-RF4440D-13A
	NEW	COMMSCOPE	NHH-65B-R2B	170'-0"	240°	0°	2°/2°	SAMSUNG	(1) B2/B66A RRH-RF4439D-25A
C4	NEW	SAMSUNG	CBRS	170'-0"	240°	0°	6°	--	--

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
NEW	HYBRID	1-5/8"	205'-0"±	1
TOTAL CABLE QTY:				1



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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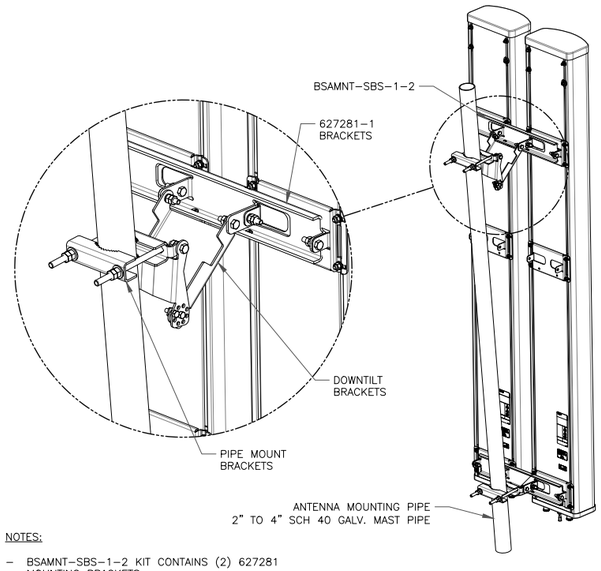
STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED
PROFESSIONAL ENGINEER

09/27/2021

SHEET NUMBER: C-3

REVISION: 0

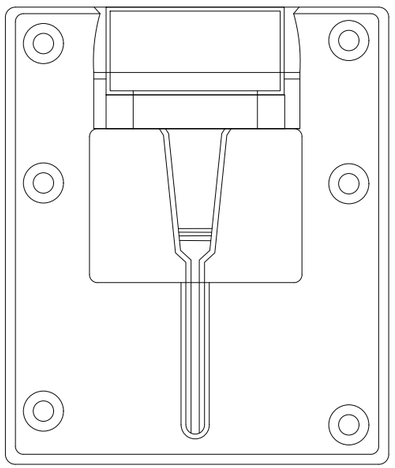


NOTES:

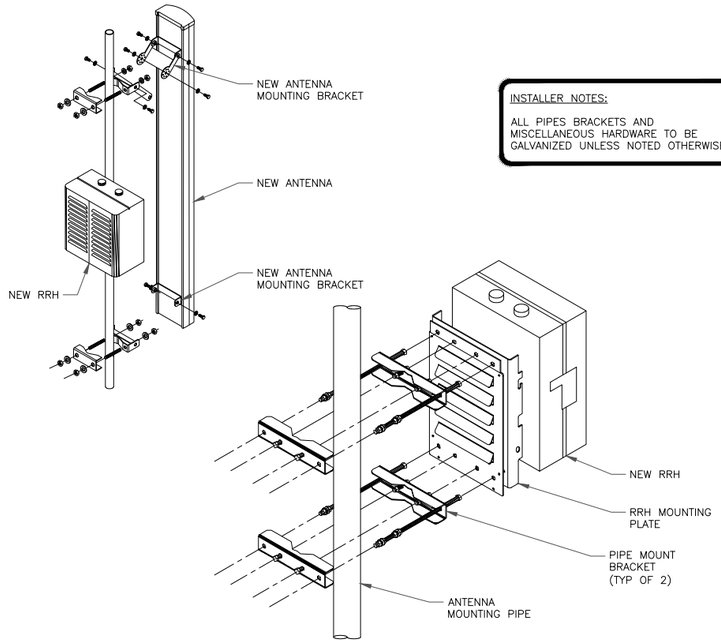
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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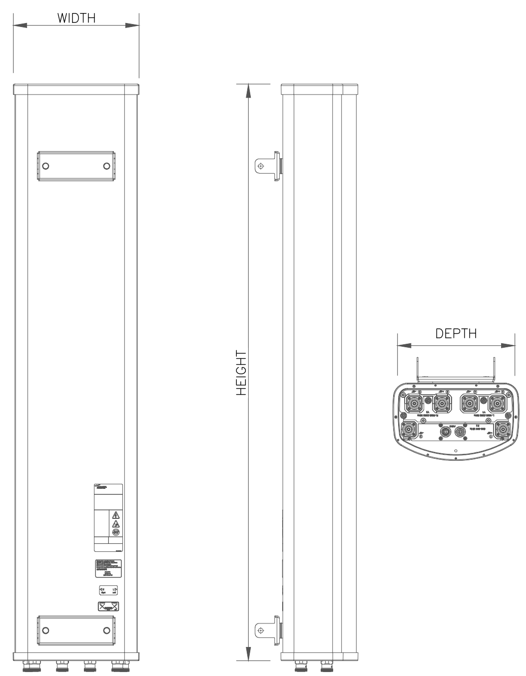
PROFESSIONAL ENGINEER

09/27/2021

SHEET NUMBER: C-4

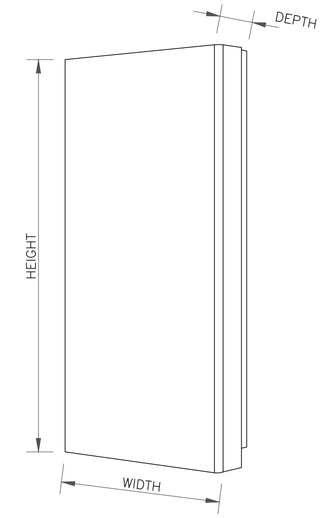
REVISION: 0

HEIGHT	WIDTH	DEPTH	WEIGHT
55.60"	11.90"	7.10"	33.50 LBS



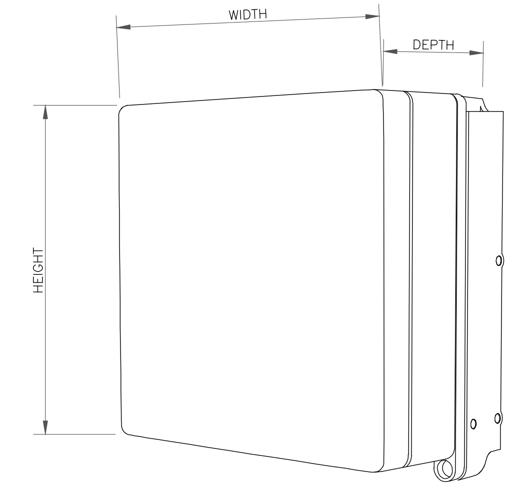
1 COMMSCOPE – NHH-65B-R2B
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
35.06"	16.06"	5.51"	81.57 LBS



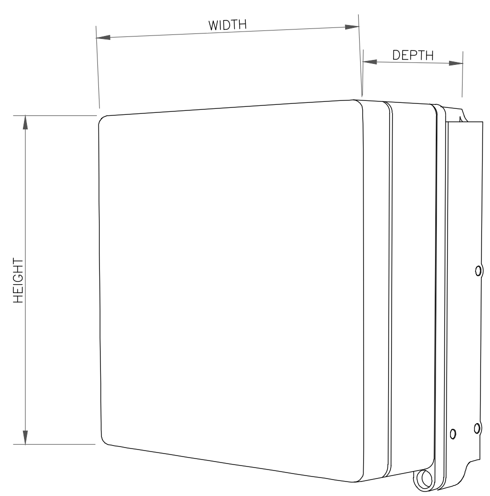
2 SAMSUNG – MT6407-77A
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
14.96"	14.96"	10.04"	74.70 LBS



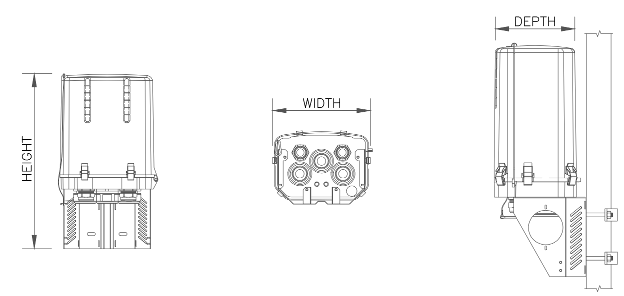
3 SAMSUNG – RF4439d-25A
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
14.96"	14.96"	9.06"	72.50 LBS



4 SAMSUNG – RF4440d-13A
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
29.50"	16.50"	12.60"	32.00 LBS



5 RAYCAP – RVZDC-6627-PF-48_CCIV2
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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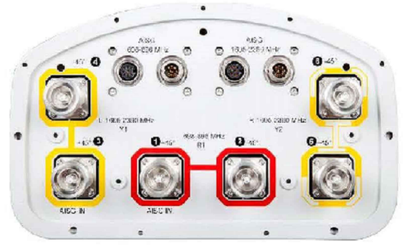
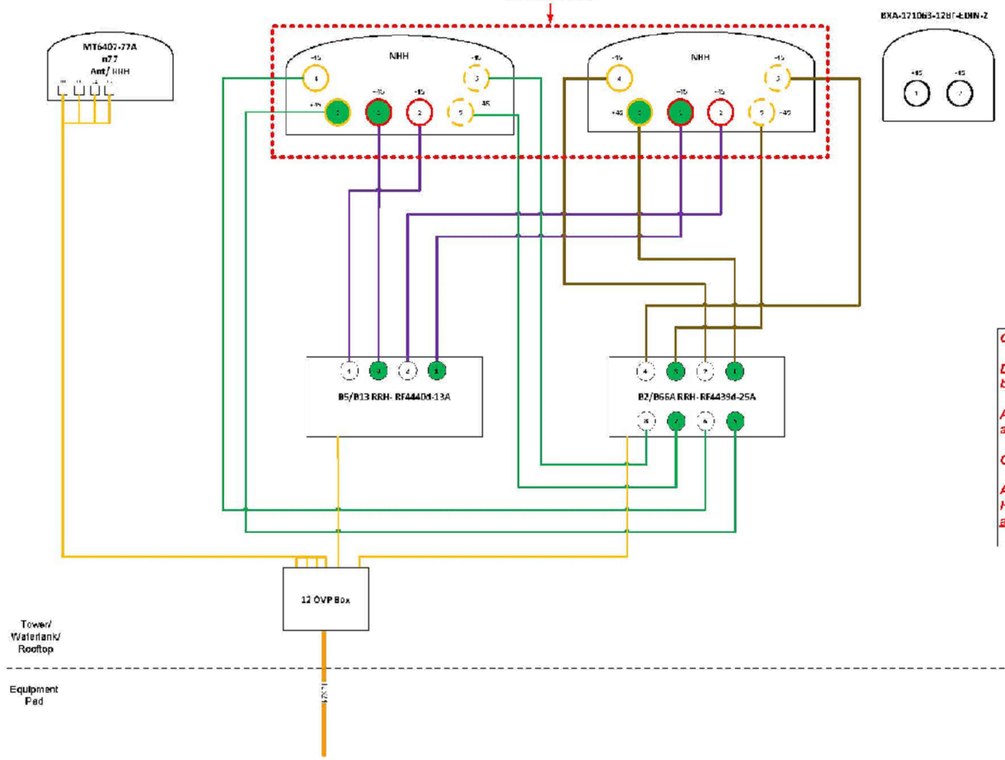
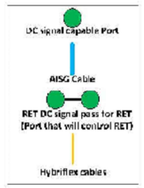
C-5	0



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





Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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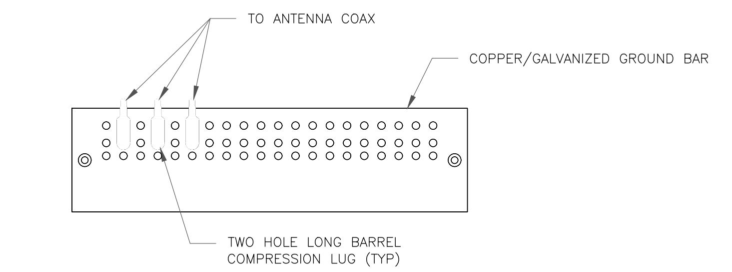
09/27/2021

SHEET NUMBER: C-6

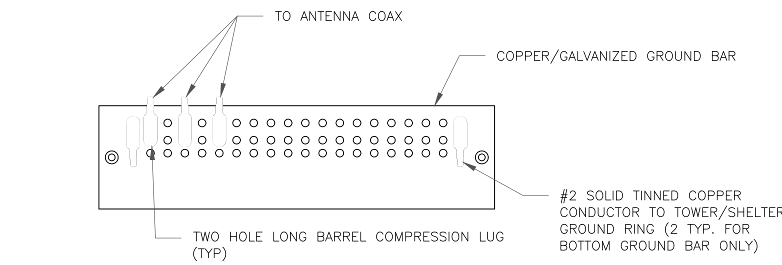
REVISION: 0



NOTES:

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

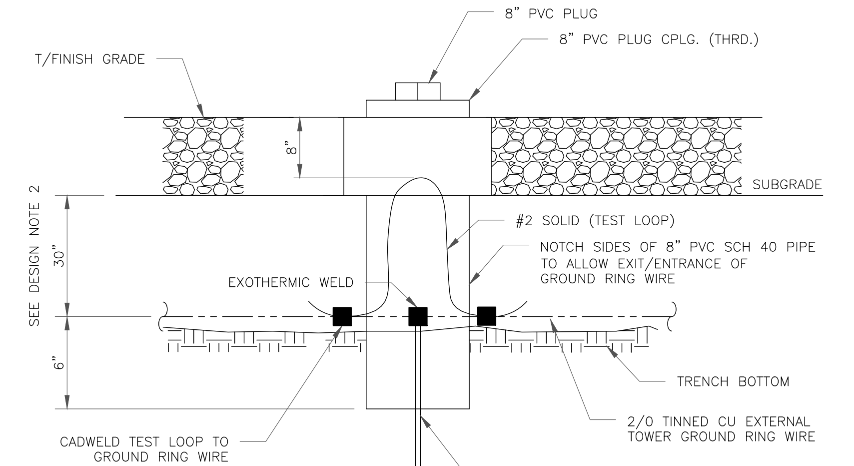
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

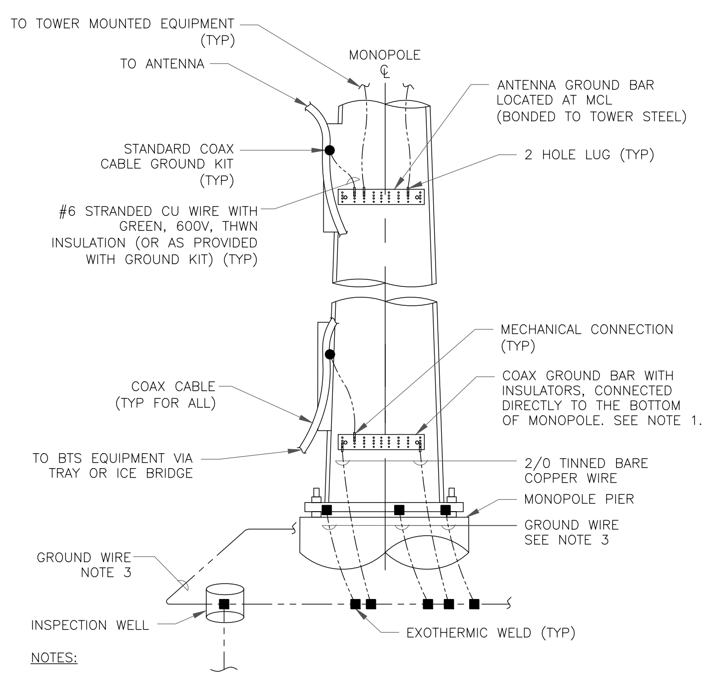
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

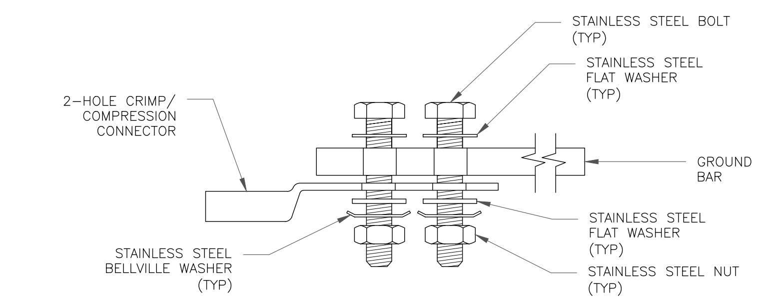
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



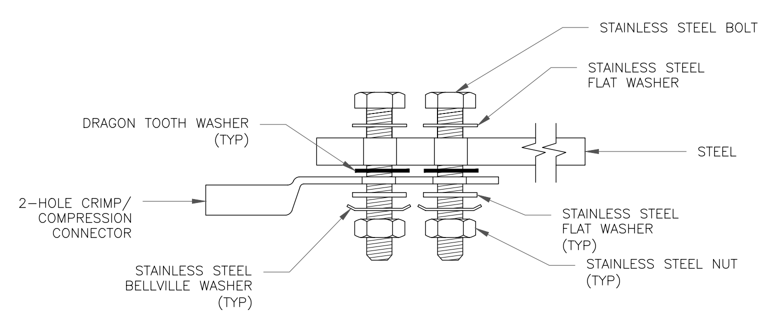
NOTES:

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

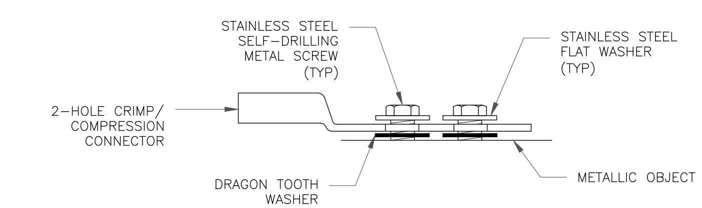
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

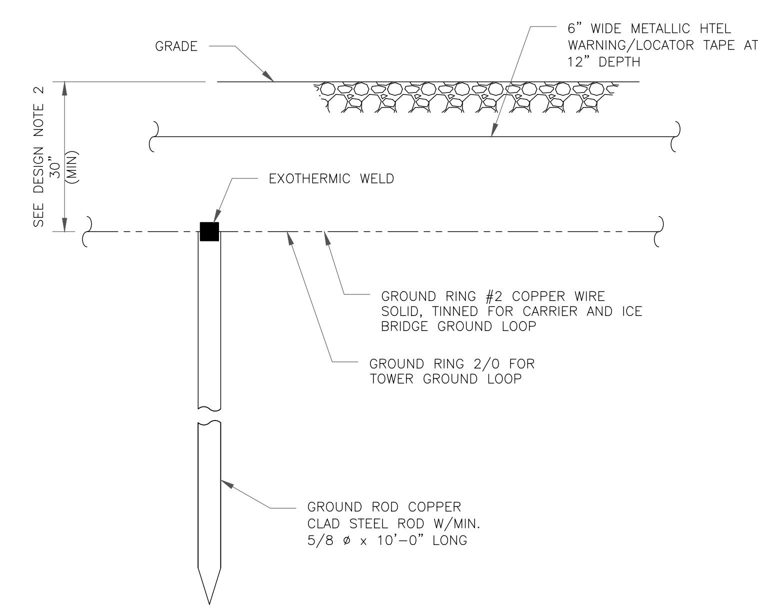


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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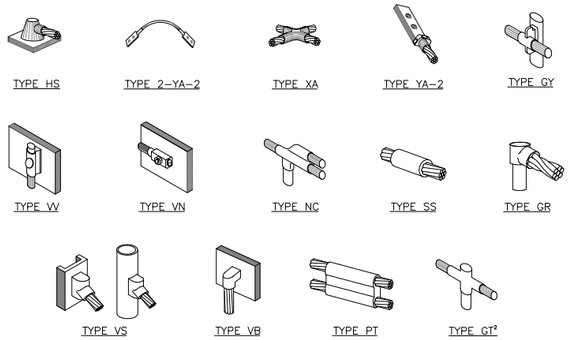
STATE OF CONNECTICUT
PEN.0029529
LICENSED PROFESSIONAL ENGINEER

09/27/2021

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:	REVISION:
G-1	0

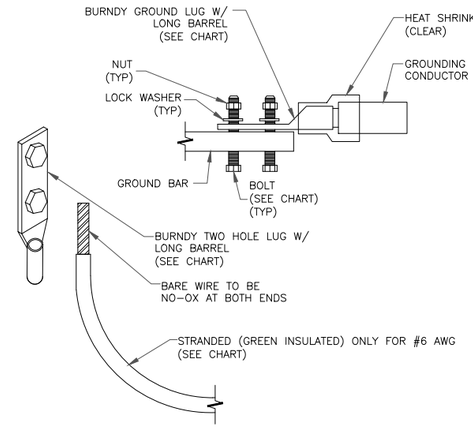


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

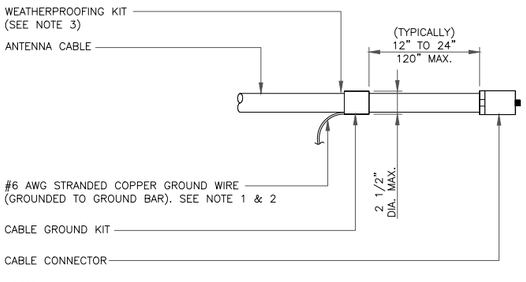
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

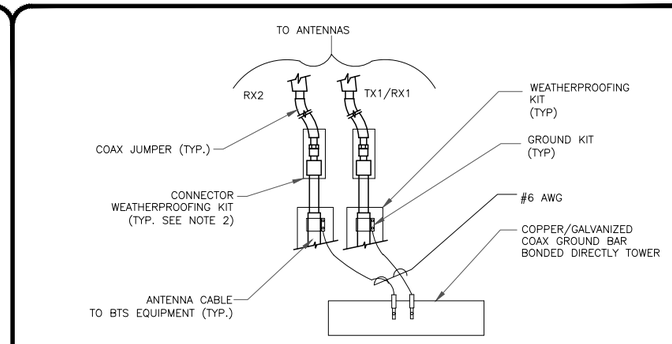
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

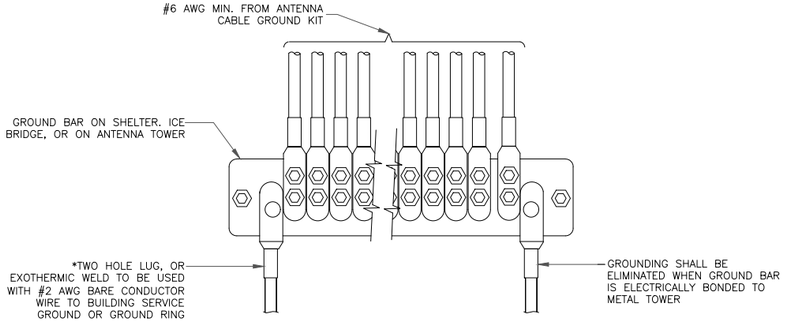
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



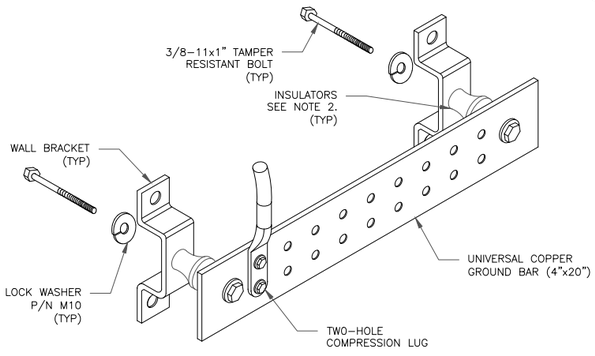
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



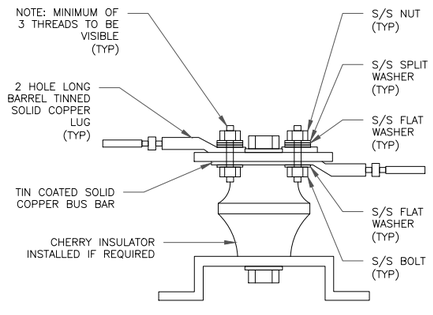
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



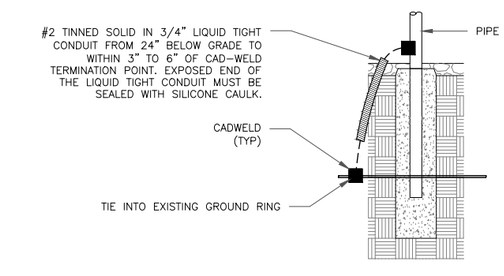
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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FREDERIC BOST
PEN.0029529
LICENSED PROFESSIONAL ENGINEER

09/27/2021

SHEET NUMBER: G-2

REVISION: 0

Exhibit D

Structural Analysis Report

Date: **September 09, 2021**

Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724) 416-2000

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468760
	Site Name:	CANTERBURY CT
Crown Castle Designation:	**BU Number:**	876375
	Site Name:	CANTERBURY / LEMIRE
	JDE Job Number:	683824
	Work Order Number:	2010302
	Order Number:	583562 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number:**	2010302
Site Data:	**53 Westminster Rd., CANTERBURY, WINDHAM County, CT** **Latitude *41° 42' 7.15"*, Longitude *-71° 58' 50.11"*** **180.5 Foot - Monopole Tower**	

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

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

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

This analysis utilizes an ultimate 3-second gust wind speed of 123 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - "Analysis Criteria".

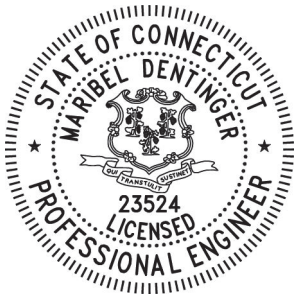
Structural analysis prepared by: Jared Koski, EI

Respectfully submitted by:

Maribel Dentinger

Maribel Dentinger, P.E.
Senior Project Engineer

Maribel Dentinger
Digitally signed by Maribel Dentinger
Date: 2021.09.09 17:40:05 -04'00'



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1) INTRODUCTION

This tower is a 180.5 ft Monopole tower mapped by FDH Engineering, Inc.

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

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	123 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 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)
168.0	170.0	3	antel	BXA-171063-12CF-EDIN-X w/ Mount Pipe	1	1-5/8
		6	commscope	NHH-65B-R2B w/ Mount Pipe		
		1	raycap	RVZDC-6627-PF-48_CCIV2		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		
	168.0	3	commscope	BSAMNT-SBS-1-2		
		1	tower mounts	Platform Mount [LP 303-1]		

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)
180.0	183.0	3	ericsson	AIR6449 B41_T-MOBILE	3	1-5/8
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	ericsson	Radio 4480_TMOV2		
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO		
	180.0	1	tower mounts	Platform Mount [LP 602-1]		
170.0	170.0	1	rfs celwave	TMA-DB-T1-6Z-8AB-0Z	-	-
		1	tower mounts	Side Arm Mount [SO 102-3]		
160.0	161.0	3	kmw communications	AM-X-CD-17-65-00T-RET w/ Mount Pipe	12	1-1/4
		6	powerwave technologies	7770.00 w/ Mount Pipe		
		6	powerwave	LGP21401		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
			technologies			
		6	powerwave technologies	LGP21901		
	160.0	1	tower mounts	Platform Mount [LP 303-1]		
158.0	160.0	3	ericsson	RRUS 11 B12	1	3/8
	158.0	1	raycap	DC6-48-60-18-8F	2	7/16
		1	tower mounts	Side Arm Mount [SO 104-3]	1	Conduit
141.0	141.0	3	fujitsu	TA08025-B604	1	1-1/2
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
78.0	79.0	1	spectracom	8225	1	1/2
	78.0	1	tower mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1615348	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1615408	CCISITES
4-TOWER MANUFACTURER DRAWINGS	2428368	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	2435769	CCISITES
4-POST-MODIFICATION INSPECTION	2464622	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3364133	CCISITES
4-POST-MODIFICATION INSPECTION	3841077	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	7738171	CCISITES
4-POST-MODIFICATION INSPECTION	8246170	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

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

3.2) Assumptions

1) 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. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L1	180.5 - 175.5	Pole	TP18.569x17.62x0.25	Pole	9.2%	Pass
L2	175.5 - 170.5	Pole	TP19.518x18.569x0.25	Pole	15.9%	Pass
L3	170.5 - 165.5	Pole	TP20.467x19.518x0.25	Pole	25.3%	Pass
L4	165.5 - 160.5	Pole	TP21.416x20.467x0.25	Pole	34.3%	Pass
L5	160.5 - 155.5	Pole	TP22.365x21.416x0.25	Pole	44.8%	Pass
L6	155.5 - 150.5	Pole	TP23.313x22.365x0.25	Pole	53.6%	Pass
L7	150.5 - 145.5	Pole	TP24.262x23.313x0.25	Pole	61.3%	Pass
L8	145.5 - 140.5	Pole	TP25.211x24.262x0.25	Pole	68.9%	Pass
L9	140.5 - 134.5	Pole	TP26.35x25.211x0.25	Pole	73.4%	Pass
L10	134.5 - 132.794	Pole	TP26.174x25.225x0.3125	Pole	66.0%	Pass
L11	132.794 - 127.794	Pole	TP27.123x26.174x0.3125	Pole	70.8%	Pass
L12	127.794 - 122.794	Pole	TP28.072x27.123x0.3125	Pole	74.9%	Pass
L13	122.794 - 120.583	Pole	TP28.491x28.072x0.3125	Pole	76.6%	Pass
L14	120.583 - 120.333	Pole	TP28.539x28.491x0.3125	Pole	76.7%	Pass
L15	120.333 - 115.333	Pole	TP29.488x28.539x0.3125	Pole	80.0%	Pass
L16	115.333 - 112.5	Pole	TP30.025x29.488x0.3125	Pole	81.7%	Pass
L17	112.5 - 112.25	Pole + Reinf.	TP30.073x30.025x0.6375	Reinf. 9 Tension Rupture	65.0%	Pass
L18	112.25 - 107.817	Pole + Reinf.	TP30.914x30.073x0.675	Reinf. 9 Tension Rupture	63.6%	Pass
L19	107.817 - 107.567	Pole + Reinf.	TP30.961x30.914x0.675	Reinf. 9 Tension Rupture	63.7%	Pass
L20	107.567 - 102.567	Pole + Reinf.	TP31.91x30.961x0.6625	Reinf. 9 Tension Rupture	66.5%	Pass
L21	102.567 - 97.567	Pole + Reinf.	TP32.859x31.91x0.65	Reinf. 9 Tension Rupture	69.2%	Pass
L22	97.567 - 89	Pole + Reinf.	TP34.485x32.859x0.6375	Reinf. 9 Tension Rupture	71.3%	Pass
L23	89 - 88.311	Pole + Reinf.	TP33.991x33.042x0.7	Reinf. 9 Tension Rupture	68.9%	Pass
L24	88.311 - 87.5	Pole + Reinf.	TP34.145x33.991x0.7	Reinf. 9 Tension Rupture	69.2%	Pass
L25	87.5 - 87.25	Pole	TP34.192x34.145x0.375	Pole	80.0%	Pass
L26	87.25 - 82.25	Pole	TP35.141x34.192x0.375	Pole	81.1%	Pass
L27	82.25 - 80.833	Pole	TP35.41x35.141x0.375	Pole	81.3%	Pass
L28	80.833 - 80.583	Pole	TP35.457x35.41x0.375	Pole	81.4%	Pass
L29	80.583 - 75.583	Pole	TP36.406x35.457x0.375	Pole	82.5%	Pass
L30	75.583 - 70.583	Pole	TP37.355x36.406x0.375	Pole	83.7%	Pass
L31	70.583 - 65.583	Pole	TP38.304x37.355x0.375	Pole	84.9%	Pass
L32	65.583 - 60.583	Pole	TP39.253x38.304x0.375	Pole	85.9%	Pass
L33	60.583 - 55.583	Pole	TP40.202x39.253x0.375	Pole	86.8%	Pass
L34	55.583 - 53.567	Pole	TP40.584x40.202x0.375	Pole	87.2%	Pass
L35	53.567 - 53.317	Pole	TP40.632x40.584x0.375	Pole	87.2%	Pass
L36	53.317 - 43.8	Pole	TP42.438x40.632x0.375	Pole	87.9%	Pass
L37	43.8 - 42.8	Pole + Reinf.	TP41.878x40.681x0.7	Reinf. 8 Tension Rupture	72.9%	Pass
L38	42.8 - 38.417	Pole + Reinf.	TP42.71x41.878x0.6875	Reinf. 8 Tension Rupture	73.6%	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L39	38.417 - 38.067	Pole + Reinf.	TP42.776x42.71x0.6875	Reinf. 8 Tension Rupture	73.7%	Pass
L40	38.067 - 37.833	Pole + Reinf.	TP42.82x42.776x0.6875	Reinf. 8 Tension Rupture	73.7%	Pass
L41	37.833 - 32.833	Pole + Reinf.	TP43.769x42.82x0.675	Reinf. 8 Tension Rupture	74.5%	Pass
L42	32.833 - 27.833	Pole + Reinf.	TP44.718x43.769x0.675	Reinf. 8 Tension Rupture	75.2%	Pass
L43	27.833 - 23.5	Pole + Reinf.	TP45.54x44.718x0.6625	Reinf. 8 Tension Rupture	75.8%	Pass
L44	23.5 - 23.25	Pole + Reinf.	TP45.588x45.54x0.6625	Reinf. 7 Tension Rupture	75.9%	Pass
L45	23.25 - 18.25	Pole + Reinf.	TP46.537x45.588x0.6625	Reinf. 7 Tension Rupture	76.5%	Pass
L46	18.25 - 13.25	Pole + Reinf.	TP47.486x46.537x0.65	Reinf. 7 Tension Rupture	77.0%	Pass
L47	13.25 - 8.25	Pole + Reinf.	TP48.434x47.486x0.65	Reinf. 7 Tension Rupture	77.6%	Pass
L48	8.25 - 7.917	Pole + Reinf.	TP48.498x48.434x0.65	Reinf. 7 Tension Rupture	77.6%	Pass
L49	7.917 - 7.667	Pole + Reinf.	TP48.545x48.498x0.7	Reinf. 1 Tension Rupture	73.3%	Pass
L50	7.667 - 5.5	Pole + Reinf.	TP48.956x48.545x0.7	Reinf. 1 Tension Rupture	73.5%	Pass
L51	5.5 - 5.25	Pole + Reinf.	TP49.004x48.956x0.4125	Pole	90.4%	Pass
L52	5.25 - 3	Pole + Reinf.	TP49.431x49.004x0.425	Pole	90.6%	Pass
L53	3 - 2.75	Pole + Reinf.	TP49.478x49.431x0.625	Reinf. 11 Compression	74.5%	Pass
L54	2.75 - 0	Pole + Reinf.	TP50x49.478x0.625	Reinf. 11 Compression	74.6%	Pass
					Summary	
				Pole	90.6%	Pass
				Reinforcement	83.4%	Pass
				Overall	90.6%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	77.4	Pass
1	Base Plate	0	73.7	Pass
1	Base Foundation (Structure)	0	84.1	Pass
1	Base Foundation (Soil Interaction)	0	81.5	Pass

Structure Rating (max from all components) =	90.6%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.

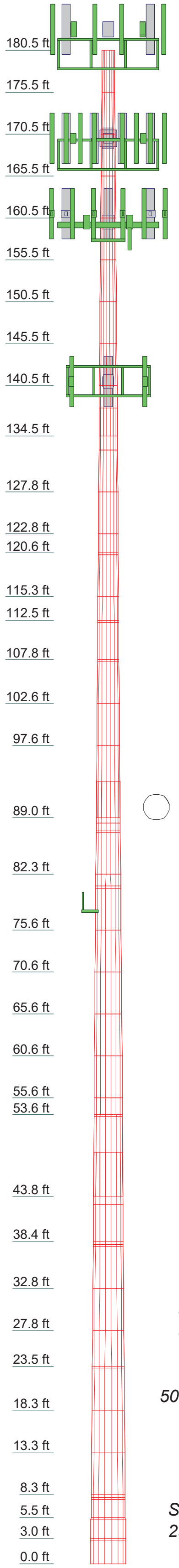
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.000	18	0.250		17.620	18.569		0.2
2	5.000	18	0.250		18.569	19.518		0.3
3	5.000	18	0.250		19.518	20.467		0.3
4	5.000	18	0.250		20.467	21.416		0.3
5	5.000	18	0.250		21.416	22.365		0.3
6	5.000	18	0.250		22.365	23.313		0.3
7	5.000	18	0.250		23.313	24.262		0.3
8	5.000	18	0.250		24.262	25.211		0.3
9	[illegible]	18	0.250	3.294	25.211	26.350		0.4
10–20	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
21	5.000	18	0.650		31.910	32.859		1.1
22	[illegible]	18	0.637	4.311	32.859	[illegible]	A572-65	1.9
23–29	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
30	5.000	18	0.375		36.406	37.355		0.7
31	5.000	18	0.375		37.355	38.304		0.8
32	5.000	18	0.375		38.304	39.253		0.8
33	5.000	18	0.375		39.253	40.202		0.8
34–35	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
36	[illegible]	18	0.375	5.305	40.632	42.438		1.6
37–41	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
42	5.000	18	0.675		43.769	44.718		1.6
43–45	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
46	5.000	18	0.650		46.537	47.486		1.6
47–54	[illegible]	18	[illegible]		[illegible]	[illegible]		[illegible]
								33.6



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Windham County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 123 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TOWER RATING: 90.6%

ALL REACTIONS ARE FACTORED

AXIAL 82 K
SHEAR 8 K
MOMENT 1092 kip-ft
TORQUE 0 kip-ft
50 mph WIND - 1.000 in ICE

AXIAL 59 K
SHEAR 29 K
MOMENT 4037 kip-ft
TORQUE 1 kip-ft
REACTIONS - 123 mph WIND

CROWN CASTLE
The Pathway to Possible
Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
Phone: (724) 416-2000
FAX:

Job: **BU# 876375**			
Project:			
Client: Crown Castle		Drawn by: JKoski	App'd:
Code: TIA-222-H		Date: 09/09/21	Scale: NTS
Path: C:\Users\jkoski\Desktop\Work Area\876375\WO 2010302 - SA\Prod\876375.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 Windham County, Connecticut.
- Tower base elevation above sea level: 339.000 ft.
- Basic wind speed of 123 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.000 ft.
- Nominal ice thickness of 1.000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56.000 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50.000 °F.
- Deflections calculated using a wind speed of 60 mph.
- TOWER RATING: 90.6%.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	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	180.500-175.500	5.000	0.000	18	17.620	18.569	0.250	1.000	A572-65 (65 ksi)
L2	175.500-170.500	5.000	0.000	18	18.569	19.518	0.250	1.000	A572-65 (65 ksi)
L3	170.500-165.500	5.000	0.000	18	19.518	20.467	0.250	1.000	A572-65 (65 ksi)
L4	165.500-160.500	5.000	0.000	18	20.467	21.416	0.250	1.000	A572-65 (65 ksi)
L5	160.500-155.500	5.000	0.000	18	21.416	22.365	0.250	1.000	A572-65 (65 ksi)
L6	155.500-150.500	5.000	0.000	18	22.365	23.313	0.250	1.000	A572-65 (65 ksi)
L7	150.500-145.500	5.000	0.000	18	23.313	24.262	0.250	1.000	A572-65 (65 ksi)
L8	145.500-140.500	5.000	0.000	18	24.262	25.211	0.250	1.000	A572-65 (65 ksi)
L9	140.500-134.500	6.000	3.294	18	25.211	26.350	0.250	1.000	A572-65 (65 ksi)
L10	134.500-132.794	5.000	0.000	18	25.225	26.174	0.313	1.250	A572-65 (65 ksi)
L11	132.794-127.794	5.000	0.000	18	26.174	27.123	0.313	1.250	A572-65 (65 ksi)
L12	127.794-122.794	5.000	0.000	18	27.123	28.072	0.313	1.250	A572-65 (65 ksi)
L13	122.794-120.583	2.211	0.000	18	28.072	28.491	0.313	1.250	A572-65 (65 ksi)
L14	120.583-120.333	0.250	0.000	18	28.491	28.539	0.313	1.250	A572-65 (65 ksi)
L15	120.333-115.333	5.000	0.000	18	28.539	29.488	0.313	1.250	A572-65 (65 ksi)
L16	115.333-112.500	2.833	0.000	18	29.488	30.025	0.313	1.250	A572-65 (65 ksi)
L17	112.500-112.250	0.250	0.000	18	30.025	30.073	0.637	2.550	A572-65 (65 ksi)
L18	112.250-107.817	4.433	0.000	18	30.073	30.914	0.675	2.700	A572-65 (65 ksi)
L19	107.817-107.567	0.250	0.000	18	30.914	30.961	0.675	2.700	A572-65 (65 ksi)
L20	107.567-102.567	5.000	0.000	18	30.961	31.910	0.662	2.650	A572-65 (65 ksi)
L21	102.567-97.567	5.000	0.000	18	31.910	32.859	0.650	2.600	A572-65 (65 ksi)
L22	97.567-89.000	8.567	4.311	18	32.859	34.485	0.637	2.550	A572-65 (65 ksi)
L23	89.000-88.311	5.000	0.000	18	33.042	33.991	0.700	2.800	A572-65 (65 ksi)
L24	88.311-87.500	0.811	0.000	18	33.991	34.145	0.700	2.800	A572-65 (65 ksi)
L25	87.500-87.250	0.250	0.000	18	34.145	34.192	0.375	1.500	A572-65 (65 ksi)
L26	87.250-82.250	5.000	0.000	18	34.192	35.141	0.375	1.500	A572-65 (65 ksi)
L27	82.250-80.833	1.417	0.000	18	35.141	35.410	0.375	1.500	A572-65 (65 ksi)
L28	80.833-80.583	0.250	0.000	18	35.410	35.457	0.375	1.500	A572-65 (65 ksi)
L29	80.583-75.583	5.000	0.000	18	35.457	36.406	0.375	1.500	A572-65 (65 ksi)
L30	75.583-70.583	5.000	0.000	18	36.406	37.355	0.375	1.500	A572-65 (65 ksi)
L31	70.583-65.583	5.000	0.000	18	37.355	38.304	0.375	1.500	A572-65 (65 ksi)
L32	65.583-60.583	5.000	0.000	18	38.304	39.253	0.375	1.500	A572-65 (65 ksi)
L33	60.583-55.583	5.000	0.000	18	39.253	40.202	0.375	1.500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L34	55.583-53.567	2.016	0.000	18	40.202	40.584	0.375	1.500	A572-65 (65 ksi)
L35	53.567-53.317	0.250	0.000	18	40.584	40.632	0.375	1.500	A572-65 (65 ksi)
L36	53.317-43.800	9.517	5.305	18	40.632	42.438	0.375	1.500	A572-65 (65 ksi)
L37	43.800-42.800	6.305	0.000	18	40.681	41.878	0.700	2.800	A572-65 (65 ksi)
L38	42.800-38.417	4.383	0.000	18	41.878	42.710	0.688	2.750	A572-65 (65 ksi)
L39	38.417-38.067	0.350	0.000	18	42.710	42.776	0.688	2.750	A572-65 (65 ksi)
L40	38.067-37.833	0.234	0.000	18	42.776	42.820	0.688	2.750	A572-65 (65 ksi)
L41	37.833-32.833	5.000	0.000	18	42.820	43.769	0.675	2.700	A572-65 (65 ksi)
L42	32.833-27.833	5.000	0.000	18	43.769	44.718	0.675	2.700	A572-65 (65 ksi)
L43	27.833-23.500	4.333	0.000	18	44.718	45.540	0.662	2.650	A572-65 (65 ksi)
L44	23.500-23.250	0.250	0.000	18	45.540	45.588	0.662	2.650	A572-65 (65 ksi)
L45	23.250-18.250	5.000	0.000	18	45.588	46.537	0.662	2.650	A572-65 (65 ksi)
L46	18.250-13.250	5.000	0.000	18	46.537	47.486	0.650	2.600	A572-65 (65 ksi)
L47	13.250-8.250	5.000	0.000	18	47.486	48.434	0.650	2.600	A572-65 (65 ksi)
L48	8.250-7.917	0.333	0.000	18	48.434	48.498	0.650	2.600	A572-65 (65 ksi)
L49	7.917-7.667	0.250	0.000	18	48.498	48.545	0.700	2.800	A572-65 (65 ksi)
L50	7.667-5.500	2.167	0.000	18	48.545	48.956	0.700	2.800	A572-65 (65 ksi)
L51	5.500-5.250	0.250	0.000	18	48.956	49.004	0.412	1.650	A572-65 (65 ksi)
L52	5.250-3.000	2.250	0.000	18	49.004	49.431	0.425	1.700	A572-65 (65 ksi)
L53	3.000-2.750	0.250	0.000	18	49.431	49.478	0.625	2.500	A572-65 (65 ksi)
L54	2.750-0.000	2.750		18	49.478	50.000	0.625	2.500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	17.853	13.783	525.392	6.166	8.951	58.697	1051.476	6.893	2.661	10.644
	18.817	14.536	616.288	6.503	9.433	65.333	1233.386	7.269	2.828	11.313
L2	18.817	14.536	616.288	6.503	9.433	65.333	1233.386	7.269	2.828	11.313
	19.780	15.289	717.105	6.840	9.915	72.325	1435.153	7.646	2.995	11.981
L3	19.780	15.289	717.105	6.840	9.915	72.325	1435.153	7.646	2.995	11.981
	20.744	16.042	828.357	7.177	10.397	79.672	1657.805	8.023	3.162	12.649
L4	20.744	16.042	828.357	7.177	10.397	79.672	1657.805	8.023	3.162	12.649
	21.707	16.795	950.560	7.514	10.879	87.374	1902.370	8.399	3.329	13.317
L5	21.707	16.795	950.560	7.514	10.879	87.374	1902.370	8.399	3.329	13.317
	22.671	17.548	1084.225	7.851	11.361	95.432	2169.877	8.776	3.496	13.985
L6	22.671	17.548	1084.225	7.851	11.361	95.432	2169.877	8.776	3.496	13.985
	23.635	18.301	1229.869	8.188	11.843	103.846	2461.356	9.152	3.663	14.653
L7	23.635	18.301	1229.869	8.188	11.843	103.846	2461.356	9.152	3.663	14.653
	24.598	19.054	1388.004	8.524	12.325	112.614	2777.834	9.529	3.830	15.321
L8	24.598	19.054	1388.004	8.524	12.325	112.614	2777.834	9.529	3.830	15.321
	25.562	19.807	1559.144	8.861	12.807	121.738	3120.339	9.905	3.997	15.989
L9	25.562	19.807	1559.144	8.861	12.807	121.738	3120.339	9.905	3.997	15.989
	26.718	20.710	1782.403	9.265	13.386	133.156	3567.151	10.357	4.198	16.79
L10	26.201	24.710	1937.487	8.844	12.814	151.198	3877.523	12.357	3.890	12.447

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
	26.529	25.651	2167.421	9.181	13.296	163.010	4337.695	12.828	4.057	12.981
L11	26.529	25.651	2167.421	9.181	13.296	163.010	4337.695	12.828	4.057	12.981
	27.493	26.592	2414.864	9.518	13.778	175.266	4832.905	13.299	4.224	13.515
L12	27.493	26.592	2414.864	9.518	13.778	175.266	4832.905	13.299	4.224	13.515
	28.456	27.534	2680.456	9.854	14.260	187.966	5364.440	13.769	4.391	14.05
L13	28.456	27.534	2680.456	9.854	14.260	187.966	5364.440	13.769	4.391	14.05
	28.882	27.950	2803.856	10.003	14.474	193.723	5611.401	13.978	4.464	14.286
L14	28.882	27.950	2803.856	10.003	14.474	193.723	5611.401	13.978	4.464	14.286
	28.931	27.997	2818.042	10.020	14.498	194.380	5639.793	14.001	4.473	14.313
L15	28.931	27.997	2818.042	10.020	14.498	194.380	5639.793	14.001	4.473	14.313
	29.894	28.938	3111.914	10.357	14.980	207.743	6227.922	14.472	4.640	14.847
L16	29.894	28.938	3111.914	10.357	14.980	207.743	6227.922	14.472	4.640	14.847
	30.440	29.471	3287.146	10.548	15.253	215.511	6578.618	14.738	4.734	15.15
L17	30.390	59.464	6488.131	10.433	15.253	425.374	12984.800	29.738	4.162	6.529
	30.438	59.560	6519.606	10.449	15.277	426.763	13047.791	29.786	4.171	6.542
L18	30.432	62.983	6876.763	10.436	15.277	450.142	13762.574	31.497	4.105	6.081
	31.287	64.785	7484.215	10.735	15.704	476.572	14978.277	32.399	4.253	6.301
L19	31.287	64.785	7484.215	10.735	15.704	476.572	14978.277	32.399	4.253	6.301
	31.335	64.887	7519.498	10.752	15.728	478.085	15048.891	32.450	4.261	6.313
L20	31.337	63.712	7389.390	10.756	15.728	469.813	14788.504	31.862	4.283	6.465
	32.300	65.707	8105.625	11.093	16.210	500.026	16221.916	32.860	4.450	6.717
L21	32.302	64.493	7962.236	11.097	16.210	491.181	15934.950	32.253	4.472	6.88
	33.266	66.451	8709.548	11.434	16.692	521.766	17430.556	33.232	4.639	7.137
L22	33.268	65.198	8552.005	11.439	16.692	512.328	17115.264	32.605	4.661	7.312
	34.919	68.488	9912.983	12.016	17.518	565.862	19839.009	34.250	4.947	7.761
L23	34.274	71.857	9495.925	11.481	16.785	565.730	19004.345	35.935	4.583	6.548
	34.407	73.965	10356.504	11.818	17.267	599.775	20726.636	36.990	4.750	6.786
L24	34.407	73.965	10356.504	11.818	17.267	599.775	20726.636	36.990	4.750	6.786
	34.563	74.307	10500.811	11.873	17.345	605.391	21015.439	37.161	4.777	6.825
L25	34.614	40.194	5791.030	11.988	17.345	333.864	11589.679	20.101	5.349	14.265
	34.662	40.251	5815.472	12.005	17.370	334.808	11638.597	20.129	5.358	14.287
L26	34.662	40.251	5815.472	12.005	17.370	334.808	11638.597	20.129	5.358	14.287
	35.625	41.380	6318.876	12.342	17.852	353.966	12646.067	20.694	5.525	14.733
L27	35.625	41.380	6318.876	12.342	17.852	353.966	12646.067	20.694	5.525	14.733
	35.898	41.700	6466.644	12.437	17.988	359.493	12941.797	20.854	5.572	14.859
L28	35.898	41.700	6466.644	12.437	17.988	359.493	12941.797	20.854	5.572	14.859
	35.947	41.757	6492.951	12.454	18.012	360.472	12994.446	20.882	5.580	14.881
L29	35.947	41.757	6492.951	12.454	18.012	360.472	12994.446	20.882	5.580	14.881
	36.910	42.886	7034.187	12.791	18.494	380.342	14077.629	21.447	5.748	15.327
L30	36.910	42.886	7034.187	12.791	18.494	380.342	14077.629	21.447	5.748	15.327
	37.874	44.016	7604.694	13.128	18.976	400.744	15219.393	22.012	5.915	15.772
L31	37.874	44.016	7604.694	13.128	18.976	400.744	15219.393	22.012	5.915	15.772
	38.837	45.145	8205.242	13.465	19.458	421.680	16421.281	22.577	6.082	16.217
L32	38.837	45.145	8205.242	13.465	19.458	421.680	16421.281	22.577	6.082	16.217
	39.801	46.274	8836.604	13.802	19.940	443.149	17684.836	23.142	6.249	16.663
L33	39.801	46.274	8836.604	13.802	19.940	443.149	17684.836	23.142	6.249	16.663
	40.764	47.404	9499.550	14.139	20.423	465.150	19011.599	23.706	6.416	17.108
L34	40.764	47.404	9499.550	14.139	20.423	465.150	19011.599	23.706	6.416	17.108
	41.153	47.859	9775.959	14.274	20.617	474.172	19564.781	23.934	6.483	17.288
L35	41.153	47.859	9775.959	14.274	20.617	474.172	19564.781	23.934	6.483	17.288
	41.201	47.916	9810.605	14.291	20.641	475.297	19634.119	23.962	6.491	17.31
L36	41.201	47.916	9810.605	14.291	20.641	475.297	19634.119	23.962	6.491	17.31
	43.035	50.065	11191.193	14.932	21.559	519.108	22397.111	25.038	6.809	18.158
L37	42.223	88.830	17939.512	14.193	20.666	868.066	35902.630	44.424	5.928	8.468
	42.416	91.489	19598.818	14.618	21.274	921.262	39223.424	45.753	6.138	8.769
L38	42.418	89.882	19266.374	14.623	21.274	905.635	38558.099	44.950	6.160	8.961
	43.262	91.697	20457.265	14.918	21.696	942.886	40941.448	45.857	6.307	9.174
L39	43.262	91.697	20457.265	14.918	21.696	942.886	40941.448	45.857	6.307	9.174
	43.330	91.842	20554.423	14.941	21.730	945.893	41135.891	45.930	6.319	9.191
L40	43.330	91.842	20554.423	14.941	21.730	945.893	41135.891	45.930	6.319	9.191
	43.375	91.939	20619.552	14.957	21.753	947.906	41266.235	45.978	6.326	9.202
L41	43.377	90.294	20262.675	14.962	21.753	931.500	40552.011	45.156	6.348	9.405
	44.340	92.327	21662.302	15.298	22.235	974.254	43353.109	46.172	6.515	9.652
L42	44.340	92.327	21662.302	15.298	22.235	974.254	43353.109	46.172	6.515	9.652
	45.304	94.360	23124.944	15.635	22.717	1017.968	46280.316	47.189	6.682	9.9
L43	45.306	92.639	22716.035	15.640	22.717	999.967	45461.960	46.328	6.704	10.12
	46.141	94.368	24011.887	15.932	23.134	1037.926	48055.370	47.193	6.849	10.338
L44	46.141	94.368	24011.887	15.932	23.134	1037.926	48055.370	47.193	6.849	10.338
	46.189	94.468	24088.121	15.948	23.159	1040.137	48207.938	47.243	6.857	10.351
L45	46.189	94.468	24088.121	15.948	23.159	1040.137	48207.938	47.243	6.857	10.351

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
	47.152	96.463	25646.872	16.285	23.641	1084.865	51327.491	48.241	7.024	10.603
L46	47.154	94.669	25183.544	16.290	23.641	1065.266	50400.225	47.343	7.046	10.841
	48.118	96.626	26778.339	16.627	24.123	1110.091	53591.913	48.322	7.213	11.098
L47	48.118	96.626	26778.339	16.627	24.123	1110.091	53591.913	48.322	7.213	11.098
	49.081	98.584	28439.078	16.963	24.605	1155.841	56915.577	49.301	7.380	11.355
L48	49.081	98.584	28439.078	16.963	24.605	1155.841	56915.577	49.301	7.380	11.355
	49.145	98.714	28552.058	16.986	24.637	1158.921	57141.685	49.367	7.392	11.372
L49	49.138	106.197	30652.076	16.968	24.637	1244.160	61344.485	53.108	7.304	10.434
	49.186	106.302	30743.443	16.985	24.661	1246.649	61527.338	53.161	7.312	10.446
L50	49.186	106.302	30743.443	16.985	24.661	1246.649	61527.338	53.161	7.312	10.446
	49.603	107.216	31543.011	17.131	24.870	1268.327	63127.527	53.618	7.384	10.549
L51	49.648	63.557	18922.056	17.233	24.870	760.845	37869.010	31.785	7.890	19.128
	49.696	63.619	18977.590	17.250	24.894	762.340	37980.152	31.816	7.899	19.148
L52	49.694	65.530	19537.583	17.245	24.894	784.835	39100.874	32.771	7.877	18.533
	50.128	66.106	20057.308	17.397	25.111	798.753	40141.008	33.059	7.952	18.71
L53	50.097	96.818	29136.379	17.326	25.111	1160.313	58311.096	48.418	7.600	12.16
	50.145	96.912	29221.430	17.343	25.135	1162.584	58481.310	48.465	7.608	12.173
L54	50.145	96.912	29221.430	17.343	25.135	1162.584	58481.310	48.465	7.608	12.173
	50.675	97.948	30167.944	17.528	25.400	1187.714	60375.584	48.983	7.700	12.32

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 180.500-175.500				1	1	1			
L2 175.500-170.500				1	1	1			
L3 170.500-165.500				1	1	1			
L4 165.500-160.500				1	1	1			
L5 160.500-155.500				1	1	1			
L6 155.500-150.500				1	1	1			
L7 150.500-145.500				1	1	1			
L8 145.500-140.500				1	1	1			
L9 140.500-134.500				1	1	1			
L10 134.500-132.794				1	1	1			
L11 132.794-127.794				1	1	1			
L12 127.794-122.794				1	1	1			
L13 122.794-120.583				1	1	1			
L14 120.583-120.333				1	1	1			
L15 120.333-115.333				1	1	1			
L16 115.333-112.500				1	1	1			
L17 112.500-112.250				1	1	0.944922			
L18 112.250-107.817				1	1	0.937617			
L19 107.817-107.567				1	1	0.936874			
L20 107.567-102.567				1	1	0.939506			
L21 102.567-97.567				1	1	0.943155			
L22 97.567-89.000				1	1	0.949755			

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
L23 89.000-88.311				1	1	0.951827			
L24 88.311-87.500				1	1	0.949912			
L25 87.500-87.250				1	1	1			
L26 87.250-82.250				1	1	1			
L27 82.250-80.833				1	1	1			
L28 80.833-80.583				1	1	1			
L29 80.583-75.583				1	1	1			
L30 75.583-70.583				1	1	1			
L31 70.583-65.583				1	1	1			
L32 65.583-60.583				1	1	1			
L33 60.583-55.583				1	1	1			
L34 55.583-53.567				1	1	1			
L35 53.567-53.317				1	1	1			
L36 53.317-43.800				1	1	1			
L37 43.800-42.800				1	1	0.991654			
L38 42.800-38.417				1	1	1.00019			
L39 38.417-38.067				1	1	0.999477			
L40 38.067-37.833				1	1	0.998999			
L41 37.833-32.833				1	1	1.00703			
L42 32.833-27.833				1	1	0.997306			
L43 27.833-23.500				1	1	1.00759			
L44 23.500-23.250				1	1	1.00713			
L45 23.250-18.250				1	1	0.998003			
L46 18.250-13.250				1	1	1.008			
L47 13.250-8.250				1	1	0.999444			
L48 8.250-7.917				1	1	0.998886			
L49 7.917-7.667				1	1	0.98227			
L50 7.667-5.500				1	1	0.978464			
L51 5.500-5.250				1	1	1.08909			
L52 5.250-3.000				1	1	1.0558			
L53 3.000-2.750				1	1	0.978745			
L54 2.750-0.000				1	1	0.974742			

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
***										
MP3-05	A	No	Surface Af (CaAa)	40.500 - 0.583	1	1	0.100 0.150	5.330	14.840	0.000
MP3-05	B	No	Surface Af (CaAa)	40.500 - 5.500	1	1	0.100 0.150	5.330	14.840	0.000
MP3-05	C	No	Surface Af (CaAa)	40.500 - 0.583	1	1	0.100 0.150	5.330	14.840	0.000
*										
MP3-05	A	No	Surface Af (CaAa)	56.000 - 36.000	1	1	-0.150 -0.100	5.330	14.840	0.000
MP3-05	B	No	Surface Af (CaAa)	56.000 - 36.000	1	1	-0.150 -0.100	5.330	14.840	0.000
MP3-05	C	No	Surface Af (CaAa)	56.000 - 36.000	1	1	-0.150 -0.100	5.330	14.840	0.000
*										
MP3-04	A	No	Surface Af (CaAa)	82.250 - 52.250	1	1	0.100 0.150	4.780	12.780	0.000
MP3-04	B	No	Surface Af (CaAa)	82.250 - 52.250	1	1	0.100 0.150	4.780	12.780	0.000
MP3-04	C	No	Surface Af (CaAa)	82.250 - 52.250	1	1	0.100 0.150	4.780	12.780	0.000
*										
MP3-04	A	No	Surface Af (CaAa)	109.250 - 79.250	1	1	-0.150 -0.100	4.780	12.780	0.000
MP3-04	B	No	Surface Af (CaAa)	109.250 - 79.250	1	1	-0.150 -0.100	4.780	12.780	0.000
MP3-04	C	No	Surface Af (CaAa)	109.250 - 79.250	1	1	-0.150 -0.100	4.780	12.780	0.000
*										
MP3-03	A	No	Surface Af (CaAa)	121.750 - 106.750	1	1	0.100 0.150	4.060	11.260	0.000
MP3-03	B	No	Surface Af (CaAa)	121.750 - 106.750	1	1	0.100 0.150	4.060	11.260	0.000
MP3-03	C	No	Surface Af (CaAa)	121.750 - 106.750	1	1	0.100 0.150	4.060	11.260	0.000
*										
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	52.083 - 2.000	1	1	0.450 0.500	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	52.083 - 2.000	1	1	0.450 0.500	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	52.083 - 2.000	1	1	0.450 0.500	6.500	15.500	0.000
*										
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	115.000 - 85.000	1	1	0.350 0.400	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	115.000 - 85.000	1	1	0.350 0.400	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	115.000 - 85.000	1	1	0.350 0.400	6.000	14.000	0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
HB158-21U6S24-xxM_TMO(1-5/8)	A	No	No	Inside Pole	180.000 - 0.000	3	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	2.500 2.500 2.500
***									
HB158-U12S24-	B	No	No	Inside Pole	0.000 - 0.000	1	No Ice	0.198	3.200

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
XXX-LI(1-5/8)							1/2" Ice	0.298	4.712
							1" Ice	0.398	6.836
***									
LDF6-50A(1-1/4)	B	No	No	Inside Pole	160.000 - 0.000	12	No Ice	0.000	0.600
							1/2" Ice	0.000	0.600
							1" Ice	0.000	0.600
***									
FB-L98B-002-75000(3/8)	B	No	No	Inside Pole	158.000 - 0.000	1	No Ice	0.000	0.059
							1/2" Ice	0.000	0.059
							1" Ice	0.000	0.059
WR-VG122ST-BRDA(7/16)	B	No	No	Inside Pole	158.000 - 0.000	2	No Ice	0.000	0.141
							1/2" Ice	0.000	0.141
							1" Ice	0.000	0.141
2" Rigid Conduit	B	No	No	Inside Pole	158.000 - 0.000	1	No Ice	0.000	2.800
							1/2" Ice	0.000	2.800
							1" Ice	0.000	2.800
***									
LDF4-50A(1/2)	A	No	No	Inside Pole	78.000 - 0.000	1	No Ice	0.000	0.150
							1/2" Ice	0.000	0.150
							1" Ice	0.000	0.150
***									
CU12PSM9P6XXX (1-1/2)	A	No	No	Inside Pole	141.000 - 0.000	1	No Ice	0.000	2.350
							1/2" Ice	0.000	2.350
							1" Ice	0.000	2.350
*									

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	180.500-175.500	A	0.000	0.000	0.000	0.000	0.034
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L2	175.500-170.500	A	0.000	0.000	0.000	0.000	0.037
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L3	170.500-165.500	A	0.000	0.000	0.000	0.000	0.037
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L4	165.500-160.500	A	0.000	0.000	0.000	0.000	0.037
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L5	160.500-155.500	A	0.000	0.000	0.000	0.000	0.037
		B	0.000	0.000	0.000	0.000	0.040
		C	0.000	0.000	0.000	0.000	0.000
L6	155.500-150.500	A	0.000	0.000	0.000	0.000	0.037
		B	0.000	0.000	0.000	0.000	0.052
		C	0.000	0.000	0.000	0.000	0.000
L7	150.500-145.500	A	0.000	0.000	0.000	0.000	0.037
		B	0.000	0.000	0.000	0.000	0.052
		C	0.000	0.000	0.000	0.000	0.000
L8	145.500-140.500	A	0.000	0.000	0.000	0.000	0.039
		B	0.000	0.000	0.000	0.000	0.052
		C	0.000	0.000	0.000	0.000	0.000
L9	140.500-134.500	A	0.000	0.000	0.000	0.000	0.059
		B	0.000	0.000	0.000	0.000	0.062
		C	0.000	0.000	0.000	0.000	0.000
L10	134.500-132.794	A	0.000	0.000	0.000	0.000	0.017
		B	0.000	0.000	0.000	0.000	0.018
		C	0.000	0.000	0.000	0.000	0.000
L11	132.794-127.794	A	0.000	0.000	0.000	0.000	0.049
		B	0.000	0.000	0.000	0.000	0.052
		C	0.000	0.000	0.000	0.000	0.000
L12	127.794-122.794	A	0.000	0.000	0.000	0.000	0.049

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	0.000	0.000	0.052
		C	0.000	0.000	0.000	0.000	0.000
L13	122.794-120.583	A	0.000	0.000	0.790	0.000	0.022
		B	0.000	0.000	0.790	0.000	0.023
		C	0.000	0.000	0.790	0.000	0.000
L14	120.583-120.333	A	0.000	0.000	0.169	0.000	0.002
		B	0.000	0.000	0.169	0.000	0.003
		C	0.000	0.000	0.169	0.000	0.000
L15	120.333-115.333	A	0.000	0.000	3.383	0.000	0.049
		B	0.000	0.000	3.383	0.000	0.052
		C	0.000	0.000	3.383	0.000	0.000
L16	115.333-112.500	A	0.000	0.000	4.417	0.000	0.028
		B	0.000	0.000	4.417	0.000	0.029
		C	0.000	0.000	4.417	0.000	0.000
L17	112.500-112.250	A	0.000	0.000	0.419	0.000	0.002
		B	0.000	0.000	0.419	0.000	0.003
		C	0.000	0.000	0.419	0.000	0.000
L18	112.250-107.817	A	0.000	0.000	8.574	0.000	0.044
		B	0.000	0.000	8.574	0.000	0.046
		C	0.000	0.000	8.574	0.000	0.000
L19	107.817-107.567	A	0.000	0.000	0.618	0.000	0.002
		B	0.000	0.000	0.618	0.000	0.003
		C	0.000	0.000	0.618	0.000	0.000
L20	107.567-102.567	A	0.000	0.000	9.536	0.000	0.049
		B	0.000	0.000	9.536	0.000	0.052
		C	0.000	0.000	9.536	0.000	0.000
L21	102.567-97.567	A	0.000	0.000	8.983	0.000	0.049
		B	0.000	0.000	8.983	0.000	0.052
		C	0.000	0.000	8.983	0.000	0.000
L22	97.567-89.000	A	0.000	0.000	15.392	0.000	0.084
		B	0.000	0.000	15.392	0.000	0.089
		C	0.000	0.000	15.392	0.000	0.000
L23	89.000-88.311	A	0.000	0.000	1.238	0.000	0.007
		B	0.000	0.000	1.238	0.000	0.007
		C	0.000	0.000	1.238	0.000	0.000
L24	88.311-87.500	A	0.000	0.000	1.457	0.000	0.008
		B	0.000	0.000	1.457	0.000	0.008
		C	0.000	0.000	1.457	0.000	0.000
L25	87.500-87.250	A	0.000	0.000	0.449	0.000	0.002
		B	0.000	0.000	0.449	0.000	0.003
		C	0.000	0.000	0.449	0.000	0.000
L26	87.250-82.250	A	0.000	0.000	6.233	0.000	0.049
		B	0.000	0.000	6.233	0.000	0.052
		C	0.000	0.000	6.233	0.000	0.000
L27	82.250-80.833	A	0.000	0.000	2.258	0.000	0.014
		B	0.000	0.000	2.258	0.000	0.015
		C	0.000	0.000	2.258	0.000	0.000
L28	80.833-80.583	A	0.000	0.000	0.398	0.000	0.002
		B	0.000	0.000	0.398	0.000	0.003
		C	0.000	0.000	0.398	0.000	0.000
L29	80.583-75.583	A	0.000	0.000	5.045	0.000	0.050
		B	0.000	0.000	5.045	0.000	0.052
		C	0.000	0.000	5.045	0.000	0.000
L30	75.583-70.583	A	0.000	0.000	3.983	0.000	0.050
		B	0.000	0.000	3.983	0.000	0.052
		C	0.000	0.000	3.983	0.000	0.000
L31	70.583-65.583	A	0.000	0.000	3.983	0.000	0.050
		B	0.000	0.000	3.983	0.000	0.052
		C	0.000	0.000	3.983	0.000	0.000
L32	65.583-60.583	A	0.000	0.000	3.983	0.000	0.050
		B	0.000	0.000	3.983	0.000	0.052
		C	0.000	0.000	3.983	0.000	0.000
L33	60.583-55.583	A	0.000	0.000	4.354	0.000	0.050
		B	0.000	0.000	4.354	0.000	0.052
		C	0.000	0.000	4.354	0.000	0.000
L34	55.583-53.567	A	0.000	0.000	3.397	0.000	0.020
		B	0.000	0.000	3.397	0.000	0.021
		C	0.000	0.000	3.397	0.000	0.000
L35	53.567-53.317	A	0.000	0.000	0.421	0.000	0.003

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	0.421	0.000	0.003
		C	0.000	0.000	0.421	0.000	0.000
L36	53.317-43.800	A	0.000	0.000	18.278	0.000	0.095
		B	0.000	0.000	18.278	0.000	0.098
		C	0.000	0.000	18.278	0.000	0.000
L37	43.800-42.800	A	0.000	0.000	1.972	0.000	0.010
		B	0.000	0.000	1.972	0.000	0.010
		C	0.000	0.000	1.972	0.000	0.000
L38	42.800-38.417	A	0.000	0.000	10.492	0.000	0.044
		B	0.000	0.000	10.492	0.000	0.045
		C	0.000	0.000	10.492	0.000	0.000
L39	38.417-38.067	A	0.000	0.000	1.001	0.000	0.004
		B	0.000	0.000	1.001	0.000	0.004
		C	0.000	0.000	1.001	0.000	0.000
L40	38.067-37.833	A	0.000	0.000	0.669	0.000	0.002
		B	0.000	0.000	0.669	0.000	0.002
		C	0.000	0.000	0.669	0.000	0.000
L41	37.833-32.833	A	0.000	0.000	11.487	0.000	0.050
		B	0.000	0.000	11.487	0.000	0.052
		C	0.000	0.000	11.487	0.000	0.000
L42	32.833-27.833	A	0.000	0.000	9.858	0.000	0.050
		B	0.000	0.000	9.858	0.000	0.052
		C	0.000	0.000	9.858	0.000	0.000
L43	27.833-23.500	A	0.000	0.000	8.543	0.000	0.043
		B	0.000	0.000	8.543	0.000	0.045
		C	0.000	0.000	8.543	0.000	0.000
L44	23.500-23.250	A	0.000	0.000	0.493	0.000	0.003
		B	0.000	0.000	0.493	0.000	0.003
		C	0.000	0.000	0.493	0.000	0.000
L45	23.250-18.250	A	0.000	0.000	9.858	0.000	0.050
		B	0.000	0.000	9.858	0.000	0.052
		C	0.000	0.000	9.858	0.000	0.000
L46	18.250-13.250	A	0.000	0.000	9.858	0.000	0.050
		B	0.000	0.000	9.858	0.000	0.052
		C	0.000	0.000	9.858	0.000	0.000
L47	13.250-8.250	A	0.000	0.000	9.858	0.000	0.050
		B	0.000	0.000	9.858	0.000	0.052
		C	0.000	0.000	9.858	0.000	0.000
L48	8.250-7.917	A	0.000	0.000	0.657	0.000	0.003
		B	0.000	0.000	0.657	0.000	0.003
		C	0.000	0.000	0.657	0.000	0.000
L49	7.917-7.667	A	0.000	0.000	0.493	0.000	0.003
		B	0.000	0.000	0.493	0.000	0.003
		C	0.000	0.000	0.493	0.000	0.000
L50	7.667-5.500	A	0.000	0.000	4.273	0.000	0.022
		B	0.000	0.000	4.273	0.000	0.022
		C	0.000	0.000	4.273	0.000	0.000
L51	5.500-5.250	A	0.000	0.000	0.493	0.000	0.003
		B	0.000	0.000	0.271	0.000	0.003
		C	0.000	0.000	0.493	0.000	0.000
L52	5.250-3.000	A	0.000	0.000	4.436	0.000	0.022
		B	0.000	0.000	2.438	0.000	0.023
		C	0.000	0.000	4.436	0.000	0.000
L53	3.000-2.750	A	0.000	0.000	0.493	0.000	0.003
		B	0.000	0.000	0.271	0.000	0.003
		C	0.000	0.000	0.493	0.000	0.000
L54	2.750-0.000	A	0.000	0.000	2.738	0.000	0.028
		B	0.000	0.000	0.813	0.000	0.028
		C	0.000	0.000	2.738	0.000	0.000

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	180.500-175.500	A	1.006	0.000	0.000	0.000	0.000	0.034

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	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L2	175.500-170.500	A	1.003	0.000	0.000	0.000	0.000	0.037
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L3	170.500-165.500	A	1.000	0.000	0.000	0.000	0.000	0.037
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L4	165.500-160.500	A	0.997	0.000	0.000	0.000	0.000	0.037
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L5	160.500-155.500	A	0.994	0.000	0.000	0.000	0.000	0.037
		B		0.000	0.000	0.000	0.000	0.040
		C		0.000	0.000	0.000	0.000	0.000
L6	155.500-150.500	A	0.991	0.000	0.000	0.000	0.000	0.037
		B		0.000	0.000	0.000	0.000	0.052
		C		0.000	0.000	0.000	0.000	0.000
L7	150.500-145.500	A	0.988	0.000	0.000	0.000	0.000	0.037
		B		0.000	0.000	0.000	0.000	0.052
		C		0.000	0.000	0.000	0.000	0.000
L8	145.500-140.500	A	0.984	0.000	0.000	0.000	0.000	0.039
		B		0.000	0.000	0.000	0.000	0.052
		C		0.000	0.000	0.000	0.000	0.000
L9	140.500-134.500	A	0.980	0.000	0.000	0.000	0.000	0.059
		B		0.000	0.000	0.000	0.000	0.062
		C		0.000	0.000	0.000	0.000	0.000
L10	134.500-132.794	A	0.978	0.000	0.000	0.000	0.000	0.017
		B		0.000	0.000	0.000	0.000	0.018
		C		0.000	0.000	0.000	0.000	0.000
L11	132.794-127.794	A	0.975	0.000	0.000	0.000	0.000	0.049
		B		0.000	0.000	0.000	0.000	0.052
		C		0.000	0.000	0.000	0.000	0.000
L12	127.794-122.794	A	0.971	0.000	0.000	0.000	0.000	0.049
		B		0.000	0.000	0.000	0.000	0.052
		C		0.000	0.000	0.000	0.000	0.000
L13	122.794-120.583	A	0.968	0.000	0.000	1.016	0.000	0.028
		B		0.000	0.000	1.016	0.000	0.029
		C		0.000	0.000	1.016	0.000	0.007
L14	120.583-120.333	A	0.968	0.000	0.000	0.218	0.000	0.004
		B		0.000	0.000	0.218	0.000	0.004
		C		0.000	0.000	0.218	0.000	0.001
L15	120.333-115.333	A	0.965	0.000	0.000	4.349	0.000	0.077
		B		0.000	0.000	4.349	0.000	0.080
		C		0.000	0.000	4.349	0.000	0.028
L16	115.333-112.500	A	0.962	0.000	0.000	5.443	0.000	0.060
		B		0.000	0.000	5.443	0.000	0.062
		C		0.000	0.000	5.443	0.000	0.032
L17	112.500-112.250	A	0.961	0.000	0.000	0.515	0.000	0.006
		B		0.000	0.000	0.515	0.000	0.006
		C		0.000	0.000	0.515	0.000	0.003
L18	112.250-107.817	A	0.959	0.000	0.000	10.549	0.000	0.106
		B		0.000	0.000	10.549	0.000	0.108
		C		0.000	0.000	10.549	0.000	0.063
L19	107.817-107.567	A	0.957	0.000	0.000	0.762	0.000	0.007
		B		0.000	0.000	0.762	0.000	0.007
		C		0.000	0.000	0.762	0.000	0.005
L20	107.567-102.567	A	0.954	0.000	0.000	11.601	0.000	0.117
		B		0.000	0.000	11.601	0.000	0.119
		C		0.000	0.000	11.601	0.000	0.068
L21	102.567-97.567	A	0.950	0.000	0.000	10.883	0.000	0.112
		B		0.000	0.000	10.883	0.000	0.114
		C		0.000	0.000	10.883	0.000	0.063
L22	97.567-89.000	A	0.943	0.000	0.000	18.624	0.000	0.191
		B		0.000	0.000	18.624	0.000	0.195
		C		0.000	0.000	18.624	0.000	0.107
L23	89.000-88.311	A	0.938	0.000	0.000	1.498	0.000	0.015
		B		0.000	0.000	1.498	0.000	0.016
		C		0.000	0.000	1.498	0.000	0.009
L24	88.311-87.500	A	0.937	0.000	0.000	1.761	0.000	0.018

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	1.761	0.000	0.018
		C		0.000	0.000	1.761	0.000	0.010
L25	87.500-87.250	A	0.937	0.000	0.000	0.543	0.000	0.006
		B		0.000	0.000	0.543	0.000	0.006
		C		0.000	0.000	0.543	0.000	0.003
L26	87.250-82.250	A	0.934	0.000	0.000	7.588	0.000	0.093
		B		0.000	0.000	7.588	0.000	0.096
		C		0.000	0.000	7.588	0.000	0.044
L27	82.250-80.833	A	0.930	0.000	0.000	2.785	0.000	0.031
		B		0.000	0.000	2.785	0.000	0.031
		C		0.000	0.000	2.785	0.000	0.017
L28	80.833-80.583	A	0.930	0.000	0.000	0.491	0.000	0.005
		B		0.000	0.000	0.491	0.000	0.006
		C		0.000	0.000	0.491	0.000	0.003
L29	80.583-75.583	A	0.926	0.000	0.000	6.219	0.000	0.087
		B		0.000	0.000	6.219	0.000	0.089
		C		0.000	0.000	6.219	0.000	0.037
L30	75.583-70.583	A	0.920	0.000	0.000	4.904	0.000	0.079
		B		0.000	0.000	4.904	0.000	0.081
		C		0.000	0.000	4.904	0.000	0.029
L31	70.583-65.583	A	0.914	0.000	0.000	4.897	0.000	0.079
		B		0.000	0.000	4.897	0.000	0.081
		C		0.000	0.000	4.897	0.000	0.029
L32	65.583-60.583	A	0.907	0.000	0.000	4.890	0.000	0.079
		B		0.000	0.000	4.890	0.000	0.080
		C		0.000	0.000	4.890	0.000	0.029
L33	60.583-55.583	A	0.899	0.000	0.000	5.328	0.000	0.081
		B		0.000	0.000	5.328	0.000	0.083
		C		0.000	0.000	5.328	0.000	0.031
L34	55.583-53.567	A	0.894	0.000	0.000	4.118	0.000	0.044
		B		0.000	0.000	4.118	0.000	0.045
		C		0.000	0.000	4.118	0.000	0.024
L35	53.567-53.317	A	0.892	0.000	0.000	0.510	0.000	0.005
		B		0.000	0.000	0.510	0.000	0.006
		C		0.000	0.000	0.510	0.000	0.003
L36	53.317-43.800	A	0.883	0.000	0.000	21.611	0.000	0.214
		B		0.000	0.000	21.611	0.000	0.217
		C		0.000	0.000	21.611	0.000	0.119
L37	43.800-42.800	A	0.873	0.000	0.000	2.325	0.000	0.023
		B		0.000	0.000	2.325	0.000	0.023
		C		0.000	0.000	2.325	0.000	0.013
L38	42.800-38.417	A	0.868	0.000	0.000	12.375	0.000	0.111
		B		0.000	0.000	12.375	0.000	0.113
		C		0.000	0.000	12.375	0.000	0.067
L39	38.417-38.067	A	0.863	0.000	0.000	1.182	0.000	0.010
		B		0.000	0.000	1.182	0.000	0.010
		C		0.000	0.000	1.182	0.000	0.006
L40	38.067-37.833	A	0.862	0.000	0.000	0.790	0.000	0.007
		B		0.000	0.000	0.790	0.000	0.007
		C		0.000	0.000	0.790	0.000	0.004
L41	37.833-32.833	A	0.856	0.000	0.000	13.512	0.000	0.122
		B		0.000	0.000	13.512	0.000	0.124
		C		0.000	0.000	13.512	0.000	0.072
L42	32.833-27.833	A	0.843	0.000	0.000	11.544	0.000	0.110
		B		0.000	0.000	11.544	0.000	0.112
		C		0.000	0.000	11.544	0.000	0.060
L43	27.833-23.500	A	0.829	0.000	0.000	9.980	0.000	0.094
		B		0.000	0.000	9.980	0.000	0.096
		C		0.000	0.000	9.980	0.000	0.051
L44	23.500-23.250	A	0.821	0.000	0.000	0.575	0.000	0.005
		B		0.000	0.000	0.575	0.000	0.006
		C		0.000	0.000	0.575	0.000	0.003
L45	23.250-18.250	A	0.811	0.000	0.000	11.481	0.000	0.108
		B		0.000	0.000	11.481	0.000	0.109
		C		0.000	0.000	11.481	0.000	0.058
L46	18.250-13.250	A	0.789	0.000	0.000	11.437	0.000	0.106
		B		0.000	0.000	11.437	0.000	0.107
		C		0.000	0.000	11.437	0.000	0.056
L47	13.250-8.250	A	0.760	0.000	0.000	11.378	0.000	0.103

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	11.378	0.000	0.105
		C		0.000	0.000	11.378	0.000	0.053
L48	8.250-7.917	A	0.738	0.000	0.000	0.755	0.000	0.007
		B		0.000	0.000	0.755	0.000	0.007
		C		0.000	0.000	0.755	0.000	0.003
L49	7.917-7.667	A	0.736	0.000	0.000	0.566	0.000	0.005
		B		0.000	0.000	0.566	0.000	0.005
		C		0.000	0.000	0.566	0.000	0.003
L50	7.667-5.500	A	0.723	0.000	0.000	4.900	0.000	0.044
		B		0.000	0.000	4.900	0.000	0.044
		C		0.000	0.000	4.900	0.000	0.022
L51	5.500-5.250	A	0.709	0.000	0.000	0.564	0.000	0.005
		B		0.000	0.000	0.306	0.000	0.004
		C		0.000	0.000	0.564	0.000	0.002
L52	5.250-3.000	A	0.690	0.000	0.000	5.058	0.000	0.044
		B		0.000	0.000	2.748	0.000	0.034
		C		0.000	0.000	5.058	0.000	0.021
L53	3.000-2.750	A	0.666	0.000	0.000	0.560	0.000	0.005
		B		0.000	0.000	0.304	0.000	0.004
		C		0.000	0.000	0.560	0.000	0.002
L54	2.750-0.000	A	0.618	0.000	0.000	3.098	0.000	0.040
		B		0.000	0.000	0.905	0.000	0.032
		C		0.000	0.000	3.098	0.000	0.012

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	180.500-175.500	0.000	0.000	0.000	0.000
L2	175.500-170.500	0.000	0.000	0.000	0.000
L3	170.500-165.500	0.000	0.000	0.000	0.000
L4	165.500-160.500	0.000	0.000	0.000	0.000
L5	160.500-155.500	0.000	0.000	0.000	0.000
L6	155.500-150.500	0.000	0.000	0.000	0.000
L7	150.500-145.500	0.000	0.000	0.000	0.000
L8	145.500-140.500	0.000	0.000	0.000	0.000
L9	140.500-134.500	0.000	0.000	0.000	0.000
L10	134.500-132.794	0.000	0.000	0.000	0.000
L11	132.794-127.794	0.000	0.000	0.000	0.000
L12	127.794-122.794	0.000	0.000	0.000	0.000
L13	122.794-120.583	0.000	0.000	0.000	0.000
L14	120.583-120.333	0.000	0.000	0.000	0.000
L15	120.333-115.333	0.000	0.000	0.000	0.000
L16	115.333-112.500	0.000	0.000	0.000	0.000
L17	112.500-112.250	0.000	0.000	0.000	0.000
L18	112.250-107.817	0.000	0.000	0.000	0.000
L19	107.817-107.567	0.000	0.000	0.000	0.000
L20	107.567-102.567	0.000	0.000	0.000	0.000
L21	102.567-97.567	0.000	0.000	0.000	0.000
L22	97.567-89.000	0.000	0.000	0.000	0.000
L23	89.000-88.311	0.000	0.000	0.000	0.000
L24	88.311-87.500	0.000	0.000	0.000	0.000
L25	87.500-87.250	0.000	0.000	0.000	0.000
L26	87.250-82.250	0.000	0.000	0.000	0.000
L27	82.250-80.833	0.000	0.000	0.000	0.000
L28	80.833-80.583	0.000	0.000	0.000	0.000
L29	80.583-75.583	0.000	0.000	0.000	0.000
L30	75.583-70.583	0.000	0.000	0.000	0.000
L31	70.583-65.583	0.000	0.000	0.000	0.000
L32	65.583-60.583	0.000	0.000	0.000	0.000
L33	60.583-55.583	0.000	0.000	0.000	0.000
L34	55.583-53.567	0.000	0.000	0.000	0.000
L35	53.567-53.317	0.000	0.000	0.000	0.000
L36	53.317-43.800	0.000	0.000	0.000	0.000
L37	43.800-42.800	0.000	0.000	0.000	0.000

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L38	42.800-38.417	0.000	0.000	0.000	0.000
L39	38.417-38.067	0.000	0.000	0.000	0.000
L40	38.067-37.833	0.000	0.000	0.000	0.000
L41	37.833-32.833	0.000	0.000	0.000	0.000
L42	32.833-27.833	0.000	0.000	0.000	0.000
L43	27.833-23.500	0.000	0.000	0.000	0.000
L44	23.500-23.250	0.000	0.000	0.000	0.000
L45	23.250-18.250	0.000	0.000	0.000	0.000
L46	18.250-13.250	0.000	0.000	0.000	0.000
L47	13.250-8.250	0.000	0.000	0.000	0.000
L48	8.250-7.917	0.000	0.000	0.000	0.000
L49	7.917-7.667	0.000	0.000	0.000	0.000
L50	7.667-5.500	0.000	0.000	0.000	0.000
L51	5.500-5.250	-2.897	0.077	-2.493	0.066
L52	5.250-3.000	-2.906	0.077	-2.496	0.066
L53	3.000-2.750	-2.914	0.077	-2.497	0.066
L54	2.750-0.000	-3.480	0.092	-2.739	0.072

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
L13	36	MP3-03	120.58 - 121.75	1.0000	1.0000
L13	37	MP3-03	120.58 - 121.75	1.0000	1.0000
L13	38	MP3-03	120.58 - 121.75	1.0000	1.0000
L14	36	MP3-03	120.33 - 120.58	1.0000	1.0000
L14	37	MP3-03	120.33 - 120.58	1.0000	1.0000
L14	38	MP3-03	120.33 - 120.58	1.0000	1.0000
L15	36	MP3-03	115.33 - 120.33	1.0000	1.0000
L15	37	MP3-03	115.33 - 120.33	1.0000	1.0000
L15	38	MP3-03	115.33 - 120.33	1.0000	1.0000
L16	36	MP3-03	112.50 - 115.33	1.0000	1.0000
L16	37	MP3-03	112.50 - 115.33	1.0000	1.0000
L16	38	MP3-03	112.50 - 115.33	1.0000	1.0000
L16	44	CCI 6" x 1" Plate	112.50 - 115.00	1.0000	1.0000
L16	45	CCI 6" x 1" Plate	112.50 - 115.00	1.0000	1.0000
L16	46	CCI 6" x 1" Plate	112.50 - 115.00	1.0000	1.0000
L17	36	MP3-03	112.25 - 112.50	1.0000	1.0000
L17	37	MP3-03	112.25 - 112.50	1.0000	1.0000
L17	38	MP3-03	112.25 - 112.50	1.0000	1.0000
L17	44	CCI 6" x 1" Plate	112.25 - 112.50	1.0000	1.0000
L17	45	CCI 6" x 1" Plate	112.25 - 112.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L17	46	CCI 6" x 1" Plate	112.25 - 112.50	1.0000	1.0000
L18	32	MP3-04	107.82 - 109.25	1.0000	1.0000
L18	33	MP3-04	107.82 - 109.25	1.0000	1.0000
L18	34	MP3-04	107.82 - 109.25	1.0000	1.0000
L18	36	MP3-03	107.82 - 112.25	1.0000	1.0000
L18	37	MP3-03	107.82 - 112.25	1.0000	1.0000
L18	38	MP3-03	107.82 - 112.25	1.0000	1.0000
L18	44	CCI 6" x 1" Plate	107.82 - 112.25	1.0000	1.0000
L18	45	CCI 6" x 1" Plate	107.82 - 112.25	1.0000	1.0000
L18	46	CCI 6" x 1" Plate	107.82 - 112.25	1.0000	1.0000
L19	32	MP3-04	107.57 - 107.82	1.0000	1.0000
L19	33	MP3-04	107.57 - 107.82	1.0000	1.0000
L19	34	MP3-04	107.57 - 107.82	1.0000	1.0000
L19	36	MP3-03	107.57 - 107.82	1.0000	1.0000
L19	37	MP3-03	107.57 - 107.82	1.0000	1.0000
L19	38	MP3-03	107.57 - 107.82	1.0000	1.0000
L19	44	CCI 6" x 1" Plate	107.57 - 107.82	1.0000	1.0000
L19	45	CCI 6" x 1" Plate	107.57 - 107.82	1.0000	1.0000
L19	46	CCI 6" x 1" Plate	107.57 - 107.82	1.0000	1.0000
L20	32	MP3-04	102.57 - 107.57	1.0000	1.0000
L20	33	MP3-04	102.57 - 107.57	1.0000	1.0000
L20	34	MP3-04	102.57 - 107.57	1.0000	1.0000
L20	36	MP3-03	106.75 - 107.57	1.0000	1.0000
L20	37	MP3-03	106.75 - 107.57	1.0000	1.0000
L20	38	MP3-03	106.75 - 107.57	1.0000	1.0000
L20	44	CCI 6" x 1" Plate	102.57 - 107.57	1.0000	1.0000
L20	45	CCI 6" x 1" Plate	102.57 - 107.57	1.0000	1.0000
L20	46	CCI 6" x 1" Plate	102.57 - 107.57	1.0000	1.0000
L21	32	MP3-04	97.57 - 102.57	1.0000	1.0000
L21	33	MP3-04	97.57 - 102.57	1.0000	1.0000
L21	34	MP3-04	97.57 - 102.57	1.0000	1.0000
L21	44	CCI 6" x 1" Plate	97.57 - 102.57	1.0000	1.0000
L21	45	CCI 6" x 1" Plate	97.57 - 102.57	1.0000	1.0000
L21	46	CCI 6" x 1" Plate	97.57 - 102.57	1.0000	1.0000
L22	32	MP3-04	89.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L22	33	MP3-04	97.57 89.00 -	1.0000	1.0000
L22	34	MP3-04	97.57 89.00 -	1.0000	1.0000
L22	44	CCI 6" x 1" Plate	97.57 89.00 -	1.0000	1.0000
L22	45	CCI 6" x 1" Plate	97.57 89.00 -	1.0000	1.0000
L22	46	CCI 6" x 1" Plate	97.57 89.00 -	1.0000	1.0000
L23	32	MP3-04	97.57 88.31 -	1.0000	1.0000
L23	33	MP3-04	89.00 88.31 -	1.0000	1.0000
L23	34	MP3-04	89.00 88.31 -	1.0000	1.0000
L23	44	CCI 6" x 1" Plate	89.00 88.31 -	1.0000	1.0000
L23	45	CCI 6" x 1" Plate	89.00 88.31 -	1.0000	1.0000
L23	46	CCI 6" x 1" Plate	89.00 88.31 -	1.0000	1.0000
L24	32	MP3-04	89.00 87.50 -	1.0000	1.0000
L24	33	MP3-04	88.31 87.50 -	1.0000	1.0000
L24	34	MP3-04	88.31 87.50 -	1.0000	1.0000
L24	44	CCI 6" x 1" Plate	88.31 87.50 -	1.0000	1.0000
L24	45	CCI 6" x 1" Plate	88.31 87.50 -	1.0000	1.0000
L24	46	CCI 6" x 1" Plate	88.31 87.50 -	1.0000	1.0000
L25	32	MP3-04	88.31 87.25 -	1.0000	1.0000
L25	33	MP3-04	87.50 87.25 -	1.0000	1.0000
L25	34	MP3-04	87.50 87.25 -	1.0000	1.0000
L25	44	CCI 6" x 1" Plate	87.50 87.25 -	1.0000	1.0000
L25	45	CCI 6" x 1" Plate	87.50 87.25 -	1.0000	1.0000
L25	46	CCI 6" x 1" Plate	87.50 87.25 -	1.0000	1.0000
L26	32	MP3-04	87.50 82.25 -	1.0000	1.0000
L26	33	MP3-04	87.25 82.25 -	1.0000	1.0000
L26	34	MP3-04	87.25 82.25 -	1.0000	1.0000
L26	44	CCI 6" x 1" Plate	87.25 85.00 -	1.0000	1.0000
L26	45	CCI 6" x 1" Plate	87.25 85.00 -	1.0000	1.0000
L26	46	CCI 6" x 1" Plate	87.25 85.00 -	1.0000	1.0000
L27	28	MP3-04	87.25 80.83 -	1.0000	1.0000
L27	29	MP3-04	82.25 80.83 -	1.0000	1.0000
L27	30	MP3-04	82.25 80.83 -	1.0000	1.0000
L27	32	MP3-04	82.25 80.83 -	1.0000	1.0000
L27	33	MP3-04	82.25 80.83 -	1.0000	1.0000
			82.25		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L27	34	MP3-04	80.83 - 82.25	1.0000	1.0000
L28	28	MP3-04	80.58 - 80.83	1.0000	1.0000
L28	29	MP3-04	80.58 - 80.83	1.0000	1.0000
L28	30	MP3-04	80.58 - 80.83	1.0000	1.0000
L28	32	MP3-04	80.58 - 80.83	1.0000	1.0000
L28	33	MP3-04	80.58 - 80.83	1.0000	1.0000
L28	34	MP3-04	80.58 - 80.83	1.0000	1.0000
L29	28	MP3-04	75.58 - 80.58	1.0000	1.0000
L29	29	MP3-04	75.58 - 80.58	1.0000	1.0000
L29	30	MP3-04	75.58 - 80.58	1.0000	1.0000
L29	32	MP3-04	79.25 - 80.58	1.0000	1.0000
L29	33	MP3-04	79.25 - 80.58	1.0000	1.0000
L29	34	MP3-04	79.25 - 80.58	1.0000	1.0000
L30	28	MP3-04	70.58 - 75.58	1.0000	1.0000
L30	29	MP3-04	70.58 - 75.58	1.0000	1.0000
L30	30	MP3-04	70.58 - 75.58	1.0000	1.0000
L31	28	MP3-04	65.58 - 70.58	1.0000	1.0000
L31	29	MP3-04	65.58 - 70.58	1.0000	1.0000
L31	30	MP3-04	65.58 - 70.58	1.0000	1.0000
L32	28	MP3-04	60.58 - 65.58	1.0000	1.0000
L32	29	MP3-04	60.58 - 65.58	1.0000	1.0000
L32	30	MP3-04	60.58 - 65.58	1.0000	1.0000
L33	24	MP3-05	55.58 - 56.00	1.0000	1.0000
L33	25	MP3-05	55.58 - 56.00	1.0000	1.0000
L33	26	MP3-05	55.58 - 56.00	1.0000	1.0000
L33	28	MP3-04	55.58 - 60.58	1.0000	1.0000
L33	29	MP3-04	55.58 - 60.58	1.0000	1.0000
L33	30	MP3-04	55.58 - 60.58	1.0000	1.0000
L34	24	MP3-05	53.57 - 55.58	1.0000	1.0000
L34	25	MP3-05	53.57 - 55.58	1.0000	1.0000
L34	26	MP3-05	53.57 - 55.58	1.0000	1.0000
L34	28	MP3-04	53.57 - 55.58	1.0000	1.0000
L34	29	MP3-04	53.57 - 55.58	1.0000	1.0000
L34	30	MP3-04	53.57 - 55.58	1.0000	1.0000
L35	24	MP3-05	53.32 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L35	25	MP3-05	53.57 53.32 - 53.57	1.0000	1.0000
L35	26	MP3-05	53.32 - 53.57	1.0000	1.0000
L35	28	MP3-04	53.32 - 53.57	1.0000	1.0000
L35	29	MP3-04	53.32 - 53.57	1.0000	1.0000
L35	30	MP3-04	53.32 - 53.57	1.0000	1.0000
L36	24	MP3-05	43.80 - 53.32	1.0000	1.0000
L36	25	MP3-05	43.80 - 53.32	1.0000	1.0000
L36	26	MP3-05	43.80 - 53.32	1.0000	1.0000
L36	28	MP3-04	52.25 - 53.32	1.0000	1.0000
L36	29	MP3-04	52.25 - 53.32	1.0000	1.0000
L36	30	MP3-04	52.25 - 53.32	1.0000	1.0000
L36	40	CCI 6.5" x 1.25" Plate	43.80 - 52.08	1.0000	1.0000
L36	41	CCI 6.5" x 1.25" Plate	43.80 - 52.08	1.0000	1.0000
L36	42	CCI 6.5" x 1.25" Plate	43.80 - 52.08	1.0000	1.0000
L37	24	MP3-05	42.80 - 43.80	1.0000	1.0000
L37	25	MP3-05	42.80 - 43.80	1.0000	1.0000
L37	26	MP3-05	42.80 - 43.80	1.0000	1.0000
L37	40	CCI 6.5" x 1.25" Plate	42.80 - 43.80	1.0000	1.0000
L37	41	CCI 6.5" x 1.25" Plate	42.80 - 43.80	1.0000	1.0000
L37	42	CCI 6.5" x 1.25" Plate	42.80 - 43.80	1.0000	1.0000
L38	20	MP3-05	38.42 - 40.50	1.0000	1.0000
L38	21	MP3-05	38.42 - 40.50	1.0000	1.0000
L38	22	MP3-05	38.42 - 40.50	1.0000	1.0000
L38	24	MP3-05	38.42 - 42.80	1.0000	1.0000
L38	25	MP3-05	38.42 - 42.80	1.0000	1.0000
L38	26	MP3-05	38.42 - 42.80	1.0000	1.0000
L38	40	CCI 6.5" x 1.25" Plate	38.42 - 42.80	1.0000	1.0000
L38	41	CCI 6.5" x 1.25" Plate	38.42 - 42.80	1.0000	1.0000
L38	42	CCI 6.5" x 1.25" Plate	38.42 - 42.80	1.0000	1.0000
L39	20	MP3-05	38.07 - 38.42	1.0000	1.0000
L39	21	MP3-05	38.07 - 38.42	1.0000	1.0000
L39	22	MP3-05	38.07 - 38.42	1.0000	1.0000
L39	24	MP3-05	38.07 - 38.42	1.0000	1.0000
L39	25	MP3-05	38.07 - 38.42	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L39	26	MP3-05	38.07 - 38.42	1.0000	1.0000
L39	40	CCI 6.5" x 1.25" Plate	38.07 - 38.42	1.0000	1.0000
L39	41	CCI 6.5" x 1.25" Plate	38.07 - 38.42	1.0000	1.0000
L39	42	CCI 6.5" x 1.25" Plate	38.07 - 38.42	1.0000	1.0000
L40	20	MP3-05	37.83 - 38.07	1.0000	1.0000
L40	21	MP3-05	37.83 - 38.07	1.0000	1.0000
L40	22	MP3-05	37.83 - 38.07	1.0000	1.0000
L40	24	MP3-05	37.83 - 38.07	1.0000	1.0000
L40	25	MP3-05	37.83 - 38.07	1.0000	1.0000
L40	26	MP3-05	37.83 - 38.07	1.0000	1.0000
L40	40	CCI 6.5" x 1.25" Plate	37.83 - 38.07	1.0000	1.0000
L40	41	CCI 6.5" x 1.25" Plate	37.83 - 38.07	1.0000	1.0000
L40	42	CCI 6.5" x 1.25" Plate	37.83 - 38.07	1.0000	1.0000
L41	20	MP3-05	32.83 - 37.83	1.0000	1.0000
L41	21	MP3-05	32.83 - 37.83	1.0000	1.0000
L41	22	MP3-05	32.83 - 37.83	1.0000	1.0000
L41	24	MP3-05	36.00 - 37.83	1.0000	1.0000
L41	25	MP3-05	36.00 - 37.83	1.0000	1.0000
L41	26	MP3-05	36.00 - 37.83	1.0000	1.0000
L41	40	CCI 6.5" x 1.25" Plate	32.83 - 37.83	1.0000	1.0000
L41	41	CCI 6.5" x 1.25" Plate	32.83 - 37.83	1.0000	1.0000
L41	42	CCI 6.5" x 1.25" Plate	32.83 - 37.83	1.0000	1.0000
L42	20	MP3-05	27.83 - 32.83	1.0000	1.0000
L42	21	MP3-05	27.83 - 32.83	1.0000	1.0000
L42	22	MP3-05	27.83 - 32.83	1.0000	1.0000
L42	40	CCI 6.5" x 1.25" Plate	27.83 - 32.83	1.0000	1.0000
L42	41	CCI 6.5" x 1.25" Plate	27.83 - 32.83	1.0000	1.0000
L42	42	CCI 6.5" x 1.25" Plate	27.83 - 32.83	1.0000	1.0000
L43	20	MP3-05	23.50 - 27.83	1.0000	1.0000
L43	21	MP3-05	23.50 - 27.83	1.0000	1.0000
L43	22	MP3-05	23.50 - 27.83	1.0000	1.0000
L43	40	CCI 6.5" x 1.25" Plate	23.50 - 27.83	1.0000	1.0000
L43	41	CCI 6.5" x 1.25" Plate	23.50 - 27.83	1.0000	1.0000
L43	42	CCI 6.5" x 1.25" Plate	23.50 - 27.83	1.0000	1.0000
L44	20	MP3-05	23.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L44	21	MP3-05	23.50 23.25 - 23.50	1.0000	1.0000
L44	22	MP3-05	23.25 - 23.50	1.0000	1.0000
L44	40	CCI 6.5" x 1.25" Plate	23.25 - 23.50	1.0000	1.0000
L44	41	CCI 6.5" x 1.25" Plate	23.25 - 23.50	1.0000	1.0000
L44	42	CCI 6.5" x 1.25" Plate	23.25 - 23.50	1.0000	1.0000
L45	20	MP3-05	18.25 - 23.25	1.0000	1.0000
L45	21	MP3-05	18.25 - 23.25	1.0000	1.0000
L45	22	MP3-05	18.25 - 23.25	1.0000	1.0000
L45	40	CCI 6.5" x 1.25" Plate	18.25 - 23.25	1.0000	1.0000
L45	41	CCI 6.5" x 1.25" Plate	18.25 - 23.25	1.0000	1.0000
L45	42	CCI 6.5" x 1.25" Plate	18.25 - 23.25	1.0000	1.0000
L46	20	MP3-05	13.25 - 18.25	1.0000	1.0000
L46	21	MP3-05	13.25 - 18.25	1.0000	1.0000
L46	22	MP3-05	13.25 - 18.25	1.0000	1.0000
L46	40	CCI 6.5" x 1.25" Plate	13.25 - 18.25	1.0000	1.0000
L46	41	CCI 6.5" x 1.25" Plate	13.25 - 18.25	1.0000	1.0000
L46	42	CCI 6.5" x 1.25" Plate	13.25 - 18.25	1.0000	1.0000
L47	20	MP3-05	8.25 - 13.25	1.0000	1.0000
L47	21	MP3-05	8.25 - 13.25	1.0000	1.0000
L47	22	MP3-05	8.25 - 13.25	1.0000	1.0000
L47	40	CCI 6.5" x 1.25" Plate	8.25 - 13.25	1.0000	1.0000
L47	41	CCI 6.5" x 1.25" Plate	8.25 - 13.25	1.0000	1.0000
L47	42	CCI 6.5" x 1.25" Plate	8.25 - 13.25	1.0000	1.0000
L48	20	MP3-05	7.92 - 8.25	1.0000	1.0000
L48	21	MP3-05	7.92 - 8.25	1.0000	1.0000
L48	22	MP3-05	7.92 - 8.25	1.0000	1.0000
L48	40	CCI 6.5" x 1.25" Plate	7.92 - 8.25	1.0000	1.0000
L48	41	CCI 6.5" x 1.25" Plate	7.92 - 8.25	1.0000	1.0000
L48	42	CCI 6.5" x 1.25" Plate	7.92 - 8.25	1.0000	1.0000
L49	20	MP3-05	7.67 - 7.92	1.0000	1.0000
L49	21	MP3-05	7.67 - 7.92	1.0000	1.0000
L49	22	MP3-05	7.67 - 7.92	1.0000	1.0000
L49	40	CCI 6.5" x 1.25" Plate	7.67 - 7.92	1.0000	1.0000
L49	41	CCI 6.5" x 1.25" Plate	7.67 - 7.92	1.0000	1.0000
L49	42	CCI 6.5" x 1.25" Plate	7.67 - 7.92	1.0000	1.0000
L50	20	MP3-05	5.50 - 7.67	1.0000	1.0000
L50	21	MP3-05	5.50 - 7.67	1.0000	1.0000
L50	22	MP3-05	5.50 - 7.67	1.0000	1.0000
L50	40	CCI 6.5" x 1.25" Plate	5.50 - 7.67	1.0000	1.0000
L50	41	CCI 6.5" x 1.25" Plate	5.50 - 7.67	1.0000	1.0000
L50	42	CCI 6.5" x 1.25" Plate	5.50 - 7.67	1.0000	1.0000
L51	20	MP3-05	5.25 - 5.50	1.0000	1.0000
L51	22	MP3-05	5.25 - 5.50	1.0000	1.0000
L51	40	CCI 6.5" x 1.25" Plate	5.25 - 5.50	1.0000	1.0000
L51	41	CCI 6.5" x 1.25" Plate	5.25 - 5.50	1.0000	1.0000
L51	42	CCI 6.5" x 1.25" Plate	5.25 - 5.50	1.0000	1.0000
L52	20	MP3-05	3.00 - 5.25	1.0000	1.0000
L52	22	MP3-05	3.00 - 5.25	1.0000	1.0000
L52	40	CCI 6.5" x 1.25" Plate	3.00 - 5.25	1.0000	1.0000
L52	41	CCI 6.5" x 1.25" Plate	3.00 - 5.25	1.0000	1.0000
L52	42	CCI 6.5" x 1.25" Plate	3.00 - 5.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L53	20	MP3-05	2.75 - 3.00	1.0000	1.0000
L53	22	MP3-05	2.75 - 3.00	1.0000	1.0000
L53	40	CCI 6.5" x 1.25" Plate	2.75 - 3.00	1.0000	1.0000
L53	41	CCI 6.5" x 1.25" Plate	2.75 - 3.00	1.0000	1.0000
L53	42	CCI 6.5" x 1.25" Plate	2.75 - 3.00	1.0000	1.0000
L54	20	MP3-05	0.58 - 2.75	1.0000	1.0000
L54	22	MP3-05	0.58 - 2.75	1.0000	1.0000
L54	40	CCI 6.5" x 1.25" Plate	2.00 - 2.75	1.0000	1.0000
L54	41	CCI 6.5" x 1.25" Plate	2.00 - 2.75	1.0000	1.0000
L54	42	CCI 6.5" x 1.25" Plate	2.00 - 2.75	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
L13	36	MP3-03	120.58 - 121.75	Auto	0.0000
L13	37	MP3-03	120.58 - 121.75	Auto	0.0000
L13	38	MP3-03	120.58 - 121.75	Auto	0.0000
L14	36	MP3-03	120.33 - 120.58	Auto	0.0000
L14	37	MP3-03	120.33 - 120.58	Auto	0.0000
L14	38	MP3-03	120.33 - 120.58	Auto	0.0000
L15	36	MP3-03	115.33 - 120.33	Auto	0.0000
L15	37	MP3-03	115.33 - 120.33	Auto	0.0000
L15	38	MP3-03	115.33 - 120.33	Auto	0.0000
L16	36	MP3-03	112.50 - 115.33	Auto	0.0000
L16	37	MP3-03	112.50 - 115.33	Auto	0.0000
L16	38	MP3-03	112.50 - 115.33	Auto	0.0000
L16	44	CCI 6" x 1" Plate	112.50 - 115.00	Auto	0.2179
L16	45	CCI 6" x 1" Plate	112.50 - 115.00	Auto	0.2179
L16	46	CCI 6" x 1" Plate	112.50 - 115.00	Auto	0.2179
L17	36	MP3-03	112.25 - 112.50	Auto	0.0000
L17	37	MP3-03	112.25 - 112.50	Auto	0.0000
L17	38	MP3-03	112.25 - 112.50	Auto	0.0000
L17	44	CCI 6" x 1" Plate	112.25 - 112.50	Auto	0.3056
L17	45	CCI 6" x 1" Plate	112.25 - 112.50	Auto	0.3056
L17	46	CCI 6" x 1" Plate	112.25 - 112.50	Auto	0.3056
L18	32	MP3-04	107.82 - 109.25	Auto	0.1153
L18	33	MP3-04	107.82 - 109.25	Auto	0.1153
L18	34	MP3-04	107.82 - 109.25	Auto	0.1153
L18	36	MP3-03	107.82 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L18	37	MP3-03	112.25 107.82 - 112.25	Auto	0.0000
L18	38	MP3-03	107.82 - 112.25	Auto	0.0000
L18	44	CCI 6" x 1" Plate	107.82 - 112.25	Auto	0.3035
L18	45	CCI 6" x 1" Plate	107.82 - 112.25	Auto	0.3035
L18	46	CCI 6" x 1" Plate	107.82 - 112.25	Auto	0.3035
L19	32	MP3-04	107.57 - 107.82	Auto	0.1094
L19	33	MP3-04	107.57 - 107.82	Auto	0.1094
L19	34	MP3-04	107.57 - 107.82	Auto	0.1094
L19	36	MP3-03	107.57 - 107.82	Auto	0.0000
L19	37	MP3-03	107.57 - 107.82	Auto	0.0000
L19	38	MP3-03	107.57 - 107.82	Auto	0.0000
L19	44	CCI 6" x 1" Plate	107.57 - 107.82	Auto	0.2905
L19	45	CCI 6" x 1" Plate	107.57 - 107.82	Auto	0.2905
L19	46	CCI 6" x 1" Plate	107.57 - 107.82	Auto	0.2905
L20	32	MP3-04	102.57 - 107.57	Auto	0.0865
L20	33	MP3-04	102.57 - 107.57	Auto	0.0865
L20	34	MP3-04	102.57 - 107.57	Auto	0.0865
L20	36	MP3-03	106.75 - 107.57	Auto	0.0000
L20	37	MP3-03	106.75 - 107.57	Auto	0.0000
L20	38	MP3-03	106.75 - 107.57	Auto	0.0000
L20	44	CCI 6" x 1" Plate	102.57 - 107.57	Auto	0.2722
L20	45	CCI 6" x 1" Plate	102.57 - 107.57	Auto	0.2722
L20	46	CCI 6" x 1" Plate	102.57 - 107.57	Auto	0.2722
L21	32	MP3-04	97.57 - 102.57	Auto	0.0469
L21	33	MP3-04	97.57 - 102.57	Auto	0.0469
L21	34	MP3-04	97.57 - 102.57	Auto	0.0469
L21	44	CCI 6" x 1" Plate	97.57 - 102.57	Auto	0.2407
L21	45	CCI 6" x 1" Plate	97.57 - 102.57	Auto	0.2407
L21	46	CCI 6" x 1" Plate	97.57 - 102.57	Auto	0.2407
L22	32	MP3-04	89.00 - 97.57	Auto	0.0052
L22	33	MP3-04	89.00 - 97.57	Auto	0.0052
L22	34	MP3-04	89.00 - 97.57	Auto	0.0052
L22	44	CCI 6" x 1" Plate	89.00 - 97.57	Auto	0.1993
L22	45	CCI 6" x 1" Plate	89.00 -	Auto	0.1993

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L22	46	CCI 6" x 1" Plate	97.57 89.00 -	Auto	0.1993
L23	32	MP3-04	97.57 88.31 -	Auto	0.0086
L23	33	MP3-04	89.00 88.31 -	Auto	0.0086
L23	34	MP3-04	89.00 88.31 -	Auto	0.0086
L23	44	CCI 6" x 1" Plate	89.00 88.31 -	Auto	0.2102
L23	45	CCI 6" x 1" Plate	89.00 88.31 -	Auto	0.2102
L23	46	CCI 6" x 1" Plate	89.00 88.31 -	Auto	0.2102
L24	32	MP3-04	89.00 87.50 -	Auto	0.0034
L24	33	MP3-04	88.31 87.50 -	Auto	0.0034
L24	34	MP3-04	88.31 87.50 -	Auto	0.0034
L24	44	CCI 6" x 1" Plate	88.31 87.50 -	Auto	0.2060
L24	45	CCI 6" x 1" Plate	88.31 87.50 -	Auto	0.2060
L24	46	CCI 6" x 1" Plate	88.31 87.50 -	Auto	0.2060
L25	32	MP3-04	88.31 87.25 -	Auto	0.0000
L25	33	MP3-04	87.50 87.25 -	Auto	0.0000
L25	34	MP3-04	87.50 87.25 -	Auto	0.0000
L25	44	CCI 6" x 1" Plate	87.50 87.25 -	Auto	0.1077
L25	45	CCI 6" x 1" Plate	87.50 87.25 -	Auto	0.1077
L25	46	CCI 6" x 1" Plate	87.50 87.25 -	Auto	0.1077
L26	32	MP3-04	87.50 82.25 -	Auto	0.0000
L26	33	MP3-04	87.25 82.25 -	Auto	0.0000
L26	34	MP3-04	87.25 82.25 -	Auto	0.0000
L26	44	CCI 6" x 1" Plate	87.25 85.00 -	Auto	0.1008
L26	45	CCI 6" x 1" Plate	87.25 85.00 -	Auto	0.1008
L26	46	CCI 6" x 1" Plate	87.25 85.00 -	Auto	0.1008
L27	28	MP3-04	87.25 80.83 -	Auto	0.0000
L27	29	MP3-04	82.25 80.83 -	Auto	0.0000
L27	30	MP3-04	82.25 80.83 -	Auto	0.0000
L27	32	MP3-04	82.25 80.83 -	Auto	0.0000
L27	33	MP3-04	82.25 80.83 -	Auto	0.0000
L27	34	MP3-04	82.25 80.83 -	Auto	0.0000
L28	28	MP3-04	82.25 80.58 -	Auto	0.0000
L28	29	MP3-04	80.83 80.58 -	Auto	0.0000
L28	30	MP3-04	80.83 80.58 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L28	32	MP3-04	80.83 80.58 -	Auto	0.0000
L28	33	MP3-04	80.83 80.58 -	Auto	0.0000
L28	34	MP3-04	80.83 80.58 -	Auto	0.0000
L29	28	MP3-04	80.83 75.58 -	Auto	0.0000
L29	29	MP3-04	80.58 75.58 -	Auto	0.0000
L29	30	MP3-04	80.58 75.58 -	Auto	0.0000
L29	32	MP3-04	80.58 79.25 -	Auto	0.0000
L29	33	MP3-04	80.58 79.25 -	Auto	0.0000
L29	34	MP3-04	80.58 79.25 -	Auto	0.0000
L30	28	MP3-04	80.58 70.58 -	Auto	0.0000
L30	29	MP3-04	75.58 70.58 -	Auto	0.0000
L30	30	MP3-04	75.58 70.58 -	Auto	0.0000
L31	28	MP3-04	75.58 65.58 -	Auto	0.0000
L31	29	MP3-04	70.58 65.58 -	Auto	0.0000
L31	30	MP3-04	70.58 65.58 -	Auto	0.0000
L32	28	MP3-04	70.58 60.58 -	Auto	0.0000
L32	29	MP3-04	65.58 60.58 -	Auto	0.0000
L32	30	MP3-04	65.58 60.58 -	Auto	0.0000
L33	24	MP3-05	65.58 55.58 -	Auto	0.0000
L33	25	MP3-05	56.00 55.58 -	Auto	0.0000
L33	26	MP3-05	56.00 55.58 -	Auto	0.0000
L33	28	MP3-04	56.00 55.58 -	Auto	0.0000
L33	29	MP3-04	60.58 55.58 -	Auto	0.0000
L33	30	MP3-04	60.58 55.58 -	Auto	0.0000
L34	24	MP3-05	60.58 53.57 -	Auto	0.0000
L34	25	MP3-05	55.58 53.57 -	Auto	0.0000
L34	26	MP3-05	55.58 53.57 -	Auto	0.0000
L34	28	MP3-04	55.58 53.57 -	Auto	0.0000
L34	29	MP3-04	55.58 53.57 -	Auto	0.0000
L34	30	MP3-04	55.58 53.57 -	Auto	0.0000
L35	24	MP3-05	55.58 53.32 -	Auto	0.0000
L35	25	MP3-05	53.57 53.32 -	Auto	0.0000
L35	26	MP3-05	53.57 53.32 -	Auto	0.0000
L35	28	MP3-04	53.57 53.32 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L35	29	MP3-04	53.57 53.32 - 53.57	Auto	0.0000
L35	30	MP3-04	53.32 - 53.57	Auto	0.0000
L36	24	MP3-05	43.80 - 53.32	Auto	0.0000
L36	25	MP3-05	43.80 - 53.32	Auto	0.0000
L36	26	MP3-05	43.80 - 53.32	Auto	0.0000
L36	28	MP3-04	52.25 - 53.32	Auto	0.0000
L36	29	MP3-04	52.25 - 53.32	Auto	0.0000
L36	30	MP3-04	52.25 - 53.32	Auto	0.0000
L36	40	CCI 6.5" x 1.25" Plate	43.80 - 52.08	Auto	0.0000
L36	41	CCI 6.5" x 1.25" Plate	43.80 - 52.08	Auto	0.0000
L36	42	CCI 6.5" x 1.25" Plate	43.80 - 52.08	Auto	0.0000
L37	24	MP3-05	42.80 - 43.80	Auto	0.0000
L37	25	MP3-05	42.80 - 43.80	Auto	0.0000
L37	26	MP3-05	42.80 - 43.80	Auto	0.0000
L37	40	CCI 6.5" x 1.25" Plate	42.80 - 43.80	Auto	0.0582
L37	41	CCI 6.5" x 1.25" Plate	42.80 - 43.80	Auto	0.0582
L37	42	CCI 6.5" x 1.25" Plate	42.80 - 43.80	Auto	0.0582
L38	20	MP3-05	38.42 - 40.50	Auto	0.0000
L38	21	MP3-05	38.42 - 40.50	Auto	0.0000
L38	22	MP3-05	38.42 - 40.50	Auto	0.0000
L38	24	MP3-05	38.42 - 42.80	Auto	0.0000
L38	25	MP3-05	38.42 - 42.80	Auto	0.0000
L38	26	MP3-05	38.42 - 42.80	Auto	0.0000
L38	40	CCI 6.5" x 1.25" Plate	38.42 - 42.80	Auto	0.0410
L38	41	CCI 6.5" x 1.25" Plate	38.42 - 42.80	Auto	0.0410
L38	42	CCI 6.5" x 1.25" Plate	38.42 - 42.80	Auto	0.0410
L39	20	MP3-05	38.07 - 38.42	Auto	0.0000
L39	21	MP3-05	38.07 - 38.42	Auto	0.0000
L39	22	MP3-05	38.07 - 38.42	Auto	0.0000
L39	24	MP3-05	38.07 - 38.42	Auto	0.0000
L39	25	MP3-05	38.07 - 38.42	Auto	0.0000
L39	26	MP3-05	38.07 - 38.42	Auto	0.0000
L39	40	CCI 6.5" x 1.25" Plate	38.07 - 38.42	Auto	0.0288
L39	41	CCI 6.5" x 1.25" Plate	38.07 -	Auto	0.0288

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L39	42	CCI 6.5" x 1.25" Plate	38.42 38.07 - 38.42	Auto	0.0288
L40	20	MP3-05	37.83 - 38.07	Auto	0.0000
L40	21	MP3-05	37.83 - 38.07	Auto	0.0000
L40	22	MP3-05	37.83 - 38.07	Auto	0.0000
L40	24	MP3-05	37.83 - 38.07	Auto	0.0000
L40	25	MP3-05	37.83 - 38.07	Auto	0.0000
L40	26	MP3-05	37.83 - 38.07	Auto	0.0000
L40	40	CCI 6.5" x 1.25" Plate	37.83 - 38.07	Auto	0.0273
L40	41	CCI 6.5" x 1.25" Plate	37.83 - 38.07	Auto	0.0273
L40	42	CCI 6.5" x 1.25" Plate	37.83 - 38.07	Auto	0.0273
L41	20	MP3-05	32.83 - 37.83	Auto	0.0000
L41	21	MP3-05	32.83 - 37.83	Auto	0.0000
L41	22	MP3-05	32.83 - 37.83	Auto	0.0000
L41	24	MP3-05	36.00 - 37.83	Auto	0.0000
L41	25	MP3-05	36.00 - 37.83	Auto	0.0000
L41	26	MP3-05	36.00 - 37.83	Auto	0.0000
L41	40	CCI 6.5" x 1.25" Plate	32.83 - 37.83	Auto	0.0106
L41	41	CCI 6.5" x 1.25" Plate	32.83 - 37.83	Auto	0.0106
L41	42	CCI 6.5" x 1.25" Plate	32.83 - 37.83	Auto	0.0106
L42	20	MP3-05	27.83 - 32.83	Auto	0.0000
L42	21	MP3-05	27.83 - 32.83	Auto	0.0000
L42	22	MP3-05	27.83 - 32.83	Auto	0.0000
L42	40	CCI 6.5" x 1.25" Plate	27.83 - 32.83	Auto	0.0000
L42	41	CCI 6.5" x 1.25" Plate	27.83 - 32.83	Auto	0.0000
L42	42	CCI 6.5" x 1.25" Plate	27.83 - 32.83	Auto	0.0000
L43	20	MP3-05	23.50 - 27.83	Auto	0.0000
L43	21	MP3-05	23.50 - 27.83	Auto	0.0000
L43	22	MP3-05	23.50 - 27.83	Auto	0.0000
L43	40	CCI 6.5" x 1.25" Plate	23.50 - 27.83	Auto	0.0000
L43	41	CCI 6.5" x 1.25" Plate	23.50 - 27.83	Auto	0.0000
L43	42	CCI 6.5" x 1.25" Plate	23.50 - 27.83	Auto	0.0000
L44	20	MP3-05	23.25 - 23.50	Auto	0.0000
L44	21	MP3-05	23.25 - 23.50	Auto	0.0000
L44	22	MP3-05	23.25 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L44	40	CCI 6.5" x 1.25" Plate	23.50 23.25 - 23.50	Auto	0.0000
L44	41	CCI 6.5" x 1.25" Plate	23.25 - 23.50	Auto	0.0000
L44	42	CCI 6.5" x 1.25" Plate	23.25 - 23.50	Auto	0.0000
L45	20	MP3-05	18.25 - 23.25	Auto	0.0000
L45	21	MP3-05	18.25 - 23.25	Auto	0.0000
L45	22	MP3-05	18.25 - 23.25	Auto	0.0000
L45	40	CCI 6.5" x 1.25" Plate	18.25 - 23.25	Auto	0.0000
L45	41	CCI 6.5" x 1.25" Plate	18.25 - 23.25	Auto	0.0000
L45	42	CCI 6.5" x 1.25" Plate	18.25 - 23.25	Auto	0.0000
L46	20	MP3-05	13.25 - 18.25	Auto	0.0000
L46	21	MP3-05	13.25 - 18.25	Auto	0.0000
L46	22	MP3-05	13.25 - 18.25	Auto	0.0000
L46	40	CCI 6.5" x 1.25" Plate	13.25 - 18.25	Auto	0.0000
L46	41	CCI 6.5" x 1.25" Plate	13.25 - 18.25	Auto	0.0000
L46	42	CCI 6.5" x 1.25" Plate	13.25 - 18.25	Auto	0.0000
L47	20	MP3-05	8.25 - 13.25	Auto	0.0000
L47	21	MP3-05	8.25 - 13.25	Auto	0.0000
L47	22	MP3-05	8.25 - 13.25	Auto	0.0000
L47	40	CCI 6.5" x 1.25" Plate	8.25 - 13.25	Auto	0.0000
L47	41	CCI 6.5" x 1.25" Plate	8.25 - 13.25	Auto	0.0000
L47	42	CCI 6.5" x 1.25" Plate	8.25 - 13.25	Auto	0.0000
L48	20	MP3-05	7.92 - 8.25	Auto	0.0000
L48	21	MP3-05	7.92 - 8.25	Auto	0.0000
L48	22	MP3-05	7.92 - 8.25	Auto	0.0000
L48	40	CCI 6.5" x 1.25" Plate	7.92 - 8.25	Auto	0.0000
L48	41	CCI 6.5" x 1.25" Plate	7.92 - 8.25	Auto	0.0000
L48	42	CCI 6.5" x 1.25" Plate	7.92 - 8.25	Auto	0.0000
L49	20	MP3-05	7.67 - 7.92	Auto	0.0000
L49	21	MP3-05	7.67 - 7.92	Auto	0.0000
L49	22	MP3-05	7.67 - 7.92	Auto	0.0000
L49	40	CCI 6.5" x 1.25" Plate	7.67 - 7.92	Auto	0.0000
L49	41	CCI 6.5" x 1.25" Plate	7.67 - 7.92	Auto	0.0000
L49	42	CCI 6.5" x 1.25" Plate	7.67 - 7.92	Auto	0.0000
L50	20	MP3-05	5.50 - 7.67	Auto	0.0000
L50	21	MP3-05	5.50 - 7.67	Auto	0.0000
L50	22	MP3-05	5.50 - 7.67	Auto	0.0000
L50	40	CCI 6.5" x 1.25" Plate	5.50 - 7.67	Auto	0.0000
L50	41	CCI 6.5" x 1.25" Plate	5.50 - 7.67	Auto	0.0000
L50	42	CCI 6.5" x 1.25" Plate	5.50 - 7.67	Auto	0.0000
L51	20	MP3-05	5.25 - 5.50	Auto	0.0000
L51	22	MP3-05	5.25 - 5.50	Auto	0.0000
L51	40	CCI 6.5" x 1.25" Plate	5.25 - 5.50	Auto	0.0000
L51	41	CCI 6.5" x 1.25" Plate	5.25 - 5.50	Auto	0.0000
L51	42	CCI 6.5" x 1.25" Plate	5.25 - 5.50	Auto	0.0000
L52	20	MP3-05	3.00 - 5.25	Auto	0.0000
L52	22	MP3-05	3.00 - 5.25	Auto	0.0000
L52	40	CCI 6.5" x 1.25" Plate	3.00 - 5.25	Auto	0.0000
L52	41	CCI 6.5" x 1.25" Plate	3.00 - 5.25	Auto	0.0000
L52	42	CCI 6.5" x 1.25" Plate	3.00 - 5.25	Auto	0.0000
L53	20	MP3-05	2.75 - 3.00	Auto	0.0000
L53	22	MP3-05	2.75 - 3.00	Auto	0.0000
L53	40	CCI 6.5" x 1.25" Plate	2.75 - 3.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L53	41	CCI 6.5" x 1.25" Plate	2.75 - 3.00	Auto	0.0000
L53	42	CCI 6.5" x 1.25" Plate	2.75 - 3.00	Auto	0.0000
L54	20	MP3-05	0.58 - 2.75	Auto	0.0000
L54	22	MP3-05	0.58 - 2.75	Auto	0.0000
L54	40	CCI 6.5" x 1.25" Plate	2.00 - 2.75	Auto	0.0000
L54	41	CCI 6.5" x 1.25" Plate	2.00 - 2.75	Auto	0.0000
L54	42	CCI 6.5" x 1.25" Plate	2.00 - 2.75	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
APXVAALL24_43-U-NA20_TMO	A	From Leg	4.000 0.000 3.000	0.000	180.000
APXVAALL24_43-U-NA20_TMO	B	From Leg	4.000 0.000 3.000	0.000	180.000
APXVAALL24_43-U-NA20_TMO	C	From Leg	4.000 0.000 3.000	0.000	180.000
AIR6449 B41_T-MOBILE	A	From Leg	4.000 0.000 3.000	0.000	180.000
AIR6449 B41_T-MOBILE	B	From Leg	4.000 0.000 3.000	0.000	180.000
AIR6449 B41_T-MOBILE	C	From Leg	4.000 0.000 3.000	0.000	180.000
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.000 0.000 3.000	0.000	180.000
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.000 0.000 3.000	0.000	180.000
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.000 0.000 3.000	0.000	180.000
Radio 4480_TMOV2	A	From Leg	4.000 0.000 3.000	0.000	180.000
Radio 4480_TMOV2	B	From Leg	4.000 0.000 3.000	0.000	180.000
Radio 4480_TMOV2	C	From Leg	4.000 0.000 3.000	0.000	180.000
Platform Mount [LP 602-1]	C	None		0.000	180.000
Side Arm Mount [SO 102-3]	C	None		0.000	178.000
Miscellaneous [NA 507-1]	C	None		0.000	178.000
Transition Ladder	C	From Leg	2.000 0.000 -3.000	0.000	180.000
(3) 10' x 2" Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	180.000
(3) 10' x 2" Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	180.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
(3) 10' x 2" Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	180.000
(2) 6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	180.000
(2) 6' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	180.000
(2) 6' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	180.000
(2) L2.5x2.5x3/16x4.333'	A	From Leg	2.000 0.000 -3.000	0.000	180.000
(2) L2.5x2.5x3/16x4.333'	B	From Leg	2.000 0.000 -3.000	0.000	180.000
(2) L2.5x2.5x3/16x4.333'	C	From Leg	2.000 0.000 -3.000	0.000	180.000
* TMA-DB-T1-6Z-8AB-0Z	A	From Leg	1.000 0.000 0.000	0.000	170.000
Side Arm Mount [SO 102-3]	C	None		0.000	170.000
* BXA-171063-12CF-EDIN-X w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	168.000
BXA-171063-12CF-EDIN-X w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	168.000
BXA-171063-12CF-EDIN-X w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	168.000
(2) NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	168.000
(2) NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	168.000
(2) NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	168.000
MT6407-77A w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	168.000
MT6407-77A w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	168.000
MT6407-77A w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	168.000
RVZDC-6627-PF-48_CCIV2	A	From Leg	4.000 0.000 2.000	0.000	168.000
RF4439D-25A	A	From Leg	4.000 0.000 2.000	0.000	168.000
RF4439D-25A	B	From Leg	4.000 0.000 2.000	0.000	168.000
RF4439D-25A	C	From Leg	4.000 0.000	0.000	168.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
RF4440D-13A	A	From Leg	2.000 4.000 0.000	0.000	168.000
RF4440D-13A	B	From Leg	2.000 4.000 0.000	0.000	168.000
RF4440D-13A	C	From Leg	2.000 4.000 0.000	0.000	168.000
Platform Mount [LP 303-1]	C	None	2.000	0.000	168.000
Mount Reinforcement Specifications	C	None		0.000	168.000
commscope BSAMNT-SBS-1-2	A	From Leg	4.000 0.000 0.000	0.000	168.000
commscope BSAMNT-SBS-1-2	B	From Leg	4.000 0.000 0.000	0.000	168.000
commscope BSAMNT-SBS-1-2	C	From Leg	4.000 0.000 0.000	0.000	168.000
*					
(2) 7770.00 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	160.000
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	160.000
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	160.000
AM-X-CD-17-65-00T-RET w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	160.000
AM-X-CD-17-65-00T-RET w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	160.000
AM-X-CD-17-65-00T-RET w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	160.000
(2) LGP21401	A	From Leg	4.000 0.000 1.000	0.000	160.000
(2) LGP21401	B	From Leg	4.000 0.000 1.000	0.000	160.000
(2) LGP21401	C	From Leg	4.000 0.000 1.000	0.000	160.000
(2) LGP21901	A	From Leg	4.000 0.000 1.000	0.000	160.000
(2) LGP21901	B	From Leg	4.000 0.000 1.000	0.000	160.000
(2) LGP21901	C	From Leg	4.000 0.000 1.000	0.000	160.000
Platform Mount [LP 303-1]	C	None		0.000	160.000
*					
RRUS 11 B12	A	From Leg	2.000 0.000 2.000	0.000	158.000
RRUS 11 B12	B	From Leg	2.000 0.000	0.000	158.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
RRUS 11 B12	C	From Leg	2.000 2.000 0.000	0.000	158.000
DC6-48-60-18-8F	B	From Leg	2.000 2.000 0.000	0.000	158.000
Side Arm Mount [SO 104-3]	C	None	0.000	0.000	158.000
6' x 2" Mount Pipe	A	From Leg	2.000 0.000 1.000	0.000	158.000
6' x 2" Mount Pipe	B	From Leg	2.000 0.000 1.000	0.000	158.000
6' x 2" Mount Pipe	C	From Leg	2.000 0.000 1.000	0.000	158.000
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MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	141.000
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	141.000
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	141.000
TA08025-B604	A	From Leg	4.000 0.000 0.000	0.000	141.000
TA08025-B604	B	From Leg	4.000 0.000 0.000	0.000	141.000
TA08025-B604	C	From Leg	4.000 0.000 0.000	0.000	141.000
TA08025-B605	A	From Leg	4.000 0.000 0.000	0.000	141.000
TA08025-B605	B	From Leg	4.000 0.000 0.000	0.000	141.000
TA08025-B605	C	From Leg	4.000 0.000 0.000	0.000	141.000
RDIDC-9181-PF-48	A	From Leg	4.000 0.000 0.000	0.000	141.000
Commscope MC-PK8-DSH	C	None		0.000	141.000
(2) 8' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	141.000
(2) 8' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	141.000
(2) 8' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	141.000
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8225	C	From Leg	2.000 0.000 1.000	0.000	78.000
Side Arm Mount [SO 701-1]	C	From Leg	1.000 0.000 0.000	0.000	78.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft
*					

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	180.5 - 175.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-8.999	0.846	-0.481
			Max. Mx	20	-4.089	36.754	-0.196
			Max. My	14	-4.080	0.351	-36.586
			Max. Vy	20	-6.892	36.754	-0.196
			Max. Vx	14	6.898	0.351	-36.586
			Max. Torque	13			-0.681
L2	175.5 - 170.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-9.472	0.856	-0.477
			Max. Mx	20	-4.399	71.981	-0.193
			Max. My	14	-4.389	0.358	-71.842
			Max. Vy	20	-7.202	71.981	-0.193
			Max. Vx	2	-7.208	0.359	71.330
			Max. Torque	13			-0.681
L3	170.5 - 165.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-17.035	0.869	0.322
			Max. Mx	20	-7.691	125.607	-0.022
			Max. My	2	-7.650	0.370	125.851
			Max. Vy	20	-12.382	125.607	-0.022
			Max. Vx	2	-12.521	0.370	125.851
			Max. Torque	13			-0.681
L4	165.5 - 160.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-17.550	0.883	0.329
			Max. Mx	20	-8.069	188.266	-0.017
			Max. My	2	-8.029	0.380	189.210
			Max. Vy	20	-12.690	188.266	-0.017
			Max. Vx	2	-12.830	0.380	189.210
			Max. Torque	5			0.651
L5	160.5 - 155.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-23.562	0.720	0.235
			Max. Mx	20	-10.998	268.555	-0.036
			Max. My	14	-10.955	0.344	-270.268
			Max. Vy	20	-16.356	268.555	-0.036
			Max. Vx	2	-16.500	0.349	270.238
			Max. Torque	5			0.651
L6	155.5 - 150.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-24.181	0.734	0.243
			Max. Mx	20	-11.523	351.045	-0.031
			Max. My	14	-11.481	0.354	-353.477
			Max. Vy	20	-16.655	351.045	-0.031
			Max. Vx	2	-16.799	0.360	353.449
			Max. Torque	5			0.536
L7	150.5 - 145.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-24.820	0.747	0.251
			Max. Mx	20	-12.080	435.014	-0.026
			Max. My	14	-12.039	0.362	-438.167
			Max. Vy	20	-16.950	435.014	-0.026
			Max. Vx	2	-17.095	0.370	438.140
			Max. Torque	5			0.535
L8	145.5 - 140.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-30.397	0.759	0.596
			Max. Mx	20	-15.449	522.039	0.081
			Max. My	2	-15.400	0.378	526.038
			Max. Vy	20	-20.435	522.039	0.081
			Max. Vx	2	-20.616	0.378	526.038
			Max. Torque	5			0.637
L9	140.5 - 134.5	Pole	Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-30.772	0.762	0.598
			Max. Mx	20	-15.794	577.495	0.084
			Max. My	2	-15.747	0.384	581.983
			Max. Vy	20	-20.583	577.495	0.084
			Max. Vx	2	-20.764	0.384	581.983
			Max. Torque	5			0.637
L10	134.5 - 132.794	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-31.952	0.762	0.598
			Max. Mx	20	-16.756	681.306	0.089
			Max. My	2	-16.710	0.393	686.703
			Max. Vy	20	-20.954	681.306	0.089
			Max. Vx	2	-21.136	0.393	686.703
			Max. Torque	5			0.636
L11	132.794 - 127.794	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-32.772	0.763	0.599
			Max. Mx	20	-17.539	786.665	0.093
			Max. My	2	-17.495	0.402	792.970
			Max. Vy	20	-21.226	786.665	0.093
			Max. Vx	2	-21.408	0.402	792.970
			Max. Torque	5			0.635
L12	127.794 - 122.794	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-33.617	0.763	0.599
			Max. Mx	20	-18.338	893.413	0.097
			Max. My	2	-18.297	0.410	900.625
			Max. Vy	20	-21.503	893.413	0.097
			Max. Vx	2	-21.684	0.410	900.625
			Max. Torque	5			0.635
L13	122.794 - 120.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.018	0.763	0.599
			Max. Mx	20	-18.699	941.054	0.098
			Max. My	2	-18.659	0.413	948.668
			Max. Vy	20	-21.625	941.054	0.098
			Max. Vx	2	-21.806	0.413	948.668
			Max. Torque	5			0.634
L14	120.583 - 120.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.066	0.764	0.599
			Max. Mx	20	-18.756	946.458	0.098
			Max. My	2	-18.716	0.414	954.117
			Max. Vy	20	-21.627	946.458	0.098
			Max. Vx	2	-21.809	0.414	954.117
			Max. Torque	5			0.633
L15	120.333 - 115.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.031	0.763	0.599
			Max. Mx	20	-19.582	1055.235	0.101
			Max. My	2	-19.545	0.421	1063.799
			Max. Vy	20	-21.906	1055.235	0.101
			Max. Vx	2	-22.087	0.421	1063.799
			Max. Torque	5			0.633
L16	115.333 - 112.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.638	0.762	0.598
			Max. Mx	20	-20.062	1117.460	0.103
			Max. My	2	-20.026	0.424	1126.537
			Max. Vy	20	-22.064	1117.460	0.103
			Max. Vx	2	-22.244	0.424	1126.537
			Max. Torque	5			0.632
L17	112.5 - 112.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.719	0.765	0.600
			Max. Mx	20	-20.152	1122.973	0.103
			Max. My	2	-20.116	0.425	1132.094
			Max. Vy	20	-22.064	1122.973	0.103
			Max. Vx	2	-22.245	0.425	1132.094

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	5			0.632
L18	112.25 - 107.817	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.264	0.763	0.599
			Max. Mx	20	-21.376	1221.575	0.105
			Max. My	2	-21.342	0.431	1231.498
			Max. Vy	20	-22.436	1221.575	0.105
			Max. Vx	2	-22.617	0.431	1231.498
			Max. Torque	5			0.632
L19	107.817 - 107.567	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.355	0.765	0.600
			Max. Mx	20	-21.455	1227.184	0.106
			Max. My	2	-21.420	0.432	1237.153
			Max. Vy	20	-22.452	1227.184	0.106
			Max. Vx	2	-22.633	0.432	1237.153
			Max. Torque	5			0.631
L20	107.567 - 102.567	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-39.111	0.763	0.599
			Max. Mx	20	-22.860	1340.441	0.108
			Max. My	2	-22.827	0.438	1351.316
			Max. Vy	20	-22.866	1340.441	0.108
			Max. Vx	2	-23.048	0.438	1351.316
			Max. Torque	5			0.631
L21	102.567 - 97.567	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.876	0.763	0.599
			Max. Mx	20	-24.296	1455.733	0.111
			Max. My	2	-24.264	0.445	1467.516
			Max. Vy	20	-23.271	1455.733	0.111
			Max. Vx	2	-23.453	0.445	1467.516
			Max. Torque	5			0.631
L22	97.567 - 89	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-42.399	0.763	0.599
			Max. Mx	20	-25.538	1555.451	0.113
			Max. My	2	-25.507	0.450	1568.008
			Max. Vy	20	-23.611	1555.451	0.113
			Max. Vx	2	-23.793	0.450	1568.008
			Max. Torque	5			0.630
L23	89 - 88.311	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.631	0.763	0.599
			Max. Mx	20	-28.223	1674.887	0.116
			Max. My	2	-28.192	0.457	1688.358
			Max. Vy	20	-24.162	1674.887	0.116
			Max. Vx	2	-24.345	0.457	1688.358
			Max. Torque	5			0.630
L24	88.311 - 87.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.946	0.763	0.599
			Max. Mx	20	-28.484	1694.502	0.117
			Max. My	2	-28.454	0.458	1708.121
			Max. Vy	20	-24.228	1694.502	0.117
			Max. Vx	2	-24.411	0.458	1708.121
			Max. Torque	5			0.630
L25	87.5 - 87.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.013	0.764	0.599
			Max. Mx	20	-28.542	1700.558	0.117
			Max. My	2	-28.511	0.459	1714.224
			Max. Vy	20	-24.240	1700.558	0.117
			Max. Vx	2	-24.423	0.459	1714.224
			Max. Torque	5			0.630
L26	87.25 - 82.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.305	0.763	0.599
			Max. Mx	20	-29.624	1822.336	0.119
			Max. My	2	-29.596	0.465	1836.916
			Max. Vy	20	-24.502	1822.336	0.119
			Max. Vx	2	-24.685	0.465	1836.916

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	5			0.630
L27	82.25 - 80.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.688	0.762	0.599
			Max. Mx	20	-29.932	1857.075	0.120
			Max. My	2	-29.904	0.467	1871.914
			Max. Vy	20	-24.581	1857.075	0.120
			Max. Vx	2	-24.763	0.467	1871.914
			Max. Torque	5			0.629
L28	80.833 - 80.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.756	0.764	0.599
			Max. Mx	20	-30.008	1863.214	0.120
			Max. My	2	-29.981	0.467	1878.099
			Max. Vy	20	-24.572	1863.214	0.120
			Max. Vx	2	-24.754	0.467	1878.099
			Max. Torque	5			0.629
L29	80.583 - 75.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.185	1.040	0.439
			Max. Mx	20	-31.199	1987.014	0.061
			Max. My	2	-31.173	0.659	2002.571
			Max. Vy	20	-24.900	1987.014	0.061
			Max. Vx	2	-25.096	0.659	2002.571
			Max. Torque	5			0.753
L30	75.583 - 70.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.496	1.040	0.439
			Max. Mx	20	-32.354	2111.990	0.126
			Max. My	2	-32.331	0.726	2128.521
			Max. Vy	20	-25.135	2111.990	0.126
			Max. Vx	2	-25.329	0.726	2128.521
			Max. Torque	5			0.753
L31	70.583 - 65.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.834	1.040	0.439
			Max. Mx	20	-33.534	2238.118	0.190
			Max. My	2	-33.513	0.793	2255.619
			Max. Vy	20	-25.362	2238.118	0.190
			Max. Vx	2	-25.555	0.793	2255.619
			Max. Torque	5			0.752
L32	65.583 - 60.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-53.197	1.039	0.439
			Max. Mx	20	-34.739	2365.358	0.253
			Max. My	2	-34.720	0.859	2383.822
			Max. Vy	20	-25.580	2365.358	0.253
			Max. Vx	2	-25.773	0.859	2383.822
			Max. Torque	5			0.752
L33	60.583 - 55.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.594	1.039	0.439
			Max. Mx	20	-35.967	2493.666	0.317
			Max. My	2	-35.951	0.924	2513.087
			Max. Vy	20	-25.790	2493.666	0.317
			Max. Vx	2	-25.981	0.924	2513.087
			Max. Torque	5			0.751
L34	55.583 - 53.567	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.199	1.039	0.439
			Max. Mx	20	-36.469	2545.693	0.343
			Max. My	2	-36.454	0.950	2565.498
			Max. Vy	20	-25.872	2545.693	0.343
			Max. Vx	2	-26.062	0.950	2565.498
			Max. Torque	5			0.751
L35	53.567 - 53.317	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.274	1.040	0.439
			Max. Mx	20	-36.545	2552.156	0.346

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	-36.530	0.953	2572.009
			Max. Vy	20	-25.866	2552.156	0.346
			Max. Vx	2	-26.056	0.953	2572.009
			Max. Torque	5			0.751
L36	53.317 - 43.8	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.562	1.039	0.439
			Max. Mx	20	-37.594	2661.403	0.399
			Max. My	2	-37.581	1.008	2682.053
			Max. Vy	20	-26.042	2661.403	0.399
			Max. Vx	2	-26.231	1.008	2682.053
			Max. Torque	5			0.750
L37	43.8 - 42.8	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.862	1.040	0.439
			Max. Mx	20	-41.195	2827.019	0.480
			Max. My	2	-41.183	1.090	2848.860
			Max. Vy	20	-26.513	2827.019	0.480
			Max. Vx	2	-26.702	1.090	2848.860
			Max. Torque	5			0.750
L38	42.8 - 38.417	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-62.999	1.039	0.439
			Max. Mx	20	-43.000	2943.705	0.535
			Max. My	2	-42.990	1.147	2966.372
			Max. Vy	20	-26.763	2943.705	0.535
			Max. Vx	2	-26.951	1.147	2966.372
			Max. Torque	5			0.750
L39	38.417 - 38.067	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-63.174	1.040	0.439
			Max. Mx	20	-43.153	2953.070	0.540
			Max. My	2	-43.142	1.151	2975.803
			Max. Vy	20	-26.772	2953.070	0.540
			Max. Vx	2	-26.960	1.151	2975.803
			Max. Torque	5			0.750
L40	38.067 - 37.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-63.291	1.041	0.439
			Max. Mx	20	-43.251	2959.334	0.543
			Max. My	2	-43.241	1.154	2982.111
			Max. Vy	20	-26.785	2959.334	0.543
			Max. Vx	2	-26.973	1.154	2982.111
			Max. Torque	5			0.750
L41	37.833 - 32.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.741	1.039	0.439
			Max. Mx	20	-45.330	3093.883	0.606
			Max. My	2	-45.321	1.219	3117.598
			Max. Vy	20	-27.057	3093.883	0.606
			Max. Vx	2	-27.244	1.219	3117.598
			Max. Torque	5			0.750
L42	32.833 - 27.833	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.179	1.039	0.439
			Max. Mx	20	-47.440	3229.699	0.669
			Max. My	2	-47.432	1.283	3254.347
			Max. Vy	20	-27.302	3229.699	0.669
			Max. Vx	2	-27.488	1.283	3254.347
			Max. Torque	5			0.750
L43	27.833 - 23.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.309	1.039	0.439
			Max. Mx	20	-49.289	3348.371	0.724
			Max. My	2	-49.282	1.338	3373.824
			Max. Vy	20	-27.509	3348.371	0.724
			Max. Vx	2	-27.695	1.338	3373.824
			Max. Torque	5			0.750
L44	23.5 - 23.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.432	1.040	0.439

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	20	-49.404	3355.245	0.727
			Max. My	2	-49.398	1.341	3380.745
			Max. Vy	20	-27.508	3355.245	0.727
			Max. Vx	2	-27.694	1.341	3380.745
			Max. Torque	5			0.750
L45	23.25 - 18.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.907	1.039	0.439
			Max. Mx	20	-51.553	3493.346	0.790
			Max. My	2	-51.548	1.404	3519.769
			Max. Vy	20	-27.755	3493.346	0.790
			Max. Vx	2	-27.939	1.404	3519.769
			Max. Torque	5			0.750
L46	18.25 - 13.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.397	1.039	0.439
			Max. Mx	20	-53.734	3632.607	0.852
			Max. My	2	-53.730	1.467	3659.948
			Max. Vy	20	-27.985	3632.607	0.852
			Max. Vx	2	-28.168	1.467	3659.948
			Max. Torque	5			0.749
L47	13.25 - 8.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-77.900	1.039	0.438
			Max. Mx	20	-55.938	3773.008	0.915
			Max. My	2	-55.936	1.530	3801.261
			Max. Vy	20	-28.212	3773.008	0.915
			Max. Vx	2	-28.394	1.530	3801.261
			Max. Torque	5			0.749
L48	8.25 - 7.917	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-78.067	1.039	0.439
			Max. Mx	20	-56.093	3782.399	0.919
			Max. My	2	-56.090	1.534	3810.713
			Max. Vy	20	-28.215	3782.399	0.919
			Max. Vx	2	-28.397	1.534	3810.713
			Max. Torque	5			0.749
L49	7.917 - 7.667	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-78.199	1.040	0.439
			Max. Mx	20	-56.210	3789.452	0.922
			Max. My	2	-56.208	1.537	3817.812
			Max. Vy	20	-28.225	3789.452	0.922
			Max. Vx	2	-28.407	1.537	3817.812
			Max. Torque	5			0.749
L50	7.667 - 5.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.337	1.039	0.438
			Max. Mx	20	-57.217	3850.718	0.949
			Max. My	2	-57.215	1.564	3879.470
			Max. Vy	20	-28.342	3850.718	0.949
			Max. Vx	2	-28.524	1.564	3879.470
			Max. Torque	5			0.749
L51	5.5 - 5.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.431	1.042	0.438
			Max. Mx	20	-57.306	3857.799	0.952
			Max. My	2	-57.305	1.567	3886.597
			Max. Vy	20	-28.337	3857.799	0.952
			Max. Vx	2	-28.518	1.567	3886.597
			Max. Torque	5			0.749
L52	5.25 - 3	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.274	1.064	0.431
			Max. Mx	20	-58.049	3921.605	0.980
			Max. My	2	-58.049	1.595	3950.810
			Max. Vy	20	-28.419	3921.605	0.980
			Max. Vx	2	-28.599	1.595	3950.810
			Max. Torque	5			0.749
L53	3 - 2.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.393	1.066	0.430
			Max. Mx	20	-58.170	3928.703	0.983
			Max. My	2	-58.170	1.598	3957.953
			Max. Vy	20	-28.403	3928.703	0.983

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	-28.583	1.598	3957.953
			Max. Torque	5			0.749
L54	2.75 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-81.660	1.085	0.425
			Max. Mx	20	-59.345	4006.959	1.017
			Max. My	2	-59.345	1.632	4036.703
			Max. Vy	20	-28.542	4006.959	1.017
			Max. Vx	2	-28.722	1.632	4036.703
			Max. Torque	5			0.749

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	81.660	0.004	7.557
	Max. H_x	21	44.518	28.515	0.012
	Max. H_z	2	59.358	0.012	28.695
	Max. M_x	2	4036.703	0.012	28.695
	Max. M_z	8	4005.685	-28.515	-0.012
	Max. Torsion	5	0.749	-14.247	24.844
	Min. Vert	19	44.518	24.689	-14.337
	Min. H_x	9	44.518	-28.515	-0.012
	Min. H_z	14	59.358	-0.012	-28.695
	Min. M_x	14	-4036.654	-0.012	-28.695
	Min. M_z	20	-4006.959	28.515	0.012
	Min. Torsion	17	-0.746	14.247	-24.844

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	49.465	0.000	0.000	-0.014	0.475	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	59.358	-0.012	-28.695	-4036.703	1.632	-0.678
0.9 Dead+1.0 Wind 0 deg - No Ice	44.518	-0.012	-28.695	-3950.604	1.447	-0.691
1.2 Dead+1.0 Wind 30 deg - No Ice	59.358	14.247	-24.844	-3495.453	-2001.559	-0.737
0.9 Dead+1.0 Wind 30 deg - No Ice	44.518	14.247	-24.844	-3420.886	-1959.037	-0.749
1.2 Dead+1.0 Wind 60 deg - No Ice	59.358	24.689	-14.337	-2017.592	-3468.381	-0.598
0.9 Dead+1.0 Wind 60 deg - No Ice	44.518	24.689	-14.337	-1974.539	-3394.583	-0.606
1.2 Dead+1.0 Wind 90 deg - No Ice	59.358	28.515	0.012	0.995	-4005.685	-0.296
0.9 Dead+1.0 Wind 90 deg - No Ice	44.518	28.515	0.012	0.988	-3920.429	-0.298
1.2 Dead+1.0 Wind 120 deg - No Ice	59.358	24.701	14.358	2019.303	-3469.371	0.085
0.9 Dead+1.0 Wind 120 deg - No Ice	44.518	24.701	14.358	1976.242	-3395.566	0.089
1.2 Dead+1.0 Wind 150 deg - No Ice	59.358	14.268	24.857	3496.413	-2003.287	0.442
0.9 Dead+1.0 Wind 150 deg - No Ice	44.518	14.268	24.857	3421.850	-1960.752	0.451
1.2 Dead+1.0 Wind 180 deg - No Ice	59.358	0.012	28.695	4036.654	-0.380	0.678
0.9 Dead+1.0 Wind 180 deg	44.518	0.012	28.695	3950.571	-0.544	0.691

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 210 deg - No Ice	59.358	-14.247	24.844	3495.420	2002.804	0.734
0.9 Dead+1.0 Wind 210 deg - No Ice	44.518	-14.247	24.844	3420.865	1959.936	0.746
1.2 Dead+1.0 Wind 240 deg - No Ice	59.358	-24.689	14.337	2017.573	3469.638	0.594
0.9 Dead+1.0 Wind 240 deg - No Ice	44.518	-24.689	14.337	1974.527	3395.490	0.602
1.2 Dead+1.0 Wind 270 deg - No Ice	59.358	-28.515	-0.012	-1.017	4006.959	0.296
0.9 Dead+1.0 Wind 270 deg - No Ice	44.518	-28.515	-0.012	-1.003	3921.349	0.298
1.2 Dead+1.0 Wind 300 deg - No Ice	59.358	-24.701	-14.358	-2019.341	3470.651	-0.081
0.9 Dead+1.0 Wind 300 deg - No Ice	44.518	-24.701	-14.358	-1976.268	3396.490	-0.086
1.2 Dead+1.0 Wind 330 deg - No Ice	59.358	-14.268	-24.857	-3496.464	2004.556	-0.438
0.9 Dead+1.0 Wind 330 deg - No Ice	44.518	-14.268	-24.857	-3421.886	1961.667	-0.448
1.2 Dead+1.0 Ice+1.0 Temp	81.660	-0.000	-0.000	-0.425	1.085	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	81.660	-0.004	-7.557	-1091.697	1.578	-0.181
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	81.660	3.758	-6.542	-945.349	-541.128	-0.161
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	81.660	6.513	-3.775	-545.835	-938.503	-0.098
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	81.660	7.523	0.004	-0.202	-1084.069	-0.008
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	81.660	6.517	3.782	545.347	-938.820	0.084
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	81.660	3.765	6.546	944.630	-541.677	0.153
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	81.660	0.004	7.557	1090.662	0.944	0.181
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	81.660	-3.758	6.542	944.314	543.651	0.161
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	81.660	-6.513	3.775	544.800	941.027	0.098
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	81.660	-7.523	-0.004	-0.835	1086.593	0.008
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	81.660	-6.517	-3.782	-546.384	941.343	-0.083
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	81.660	-3.765	-6.546	-945.667	544.199	-0.153
Dead+Wind 0 deg - Service	49.465	-0.003	-6.432	-895.641	0.761	-0.155
Dead+Wind 30 deg - Service	49.465	3.194	-5.569	-775.543	-443.684	-0.168
Dead+Wind 60 deg - Service	49.465	5.534	-3.214	-447.639	-769.100	-0.136
Dead+Wind 90 deg - Service	49.465	6.392	0.003	0.204	-888.290	-0.068
Dead+Wind 120 deg - Service	49.465	5.537	3.219	447.986	-769.323	0.019
Dead+Wind 150 deg - Service	49.465	3.198	5.572	775.725	-444.072	0.101
Dead+Wind 180 deg - Service	49.465	0.003	6.432	895.598	0.313	0.155
Dead+Wind 210 deg - Service	49.465	-3.194	5.569	775.501	444.757	0.168
Dead+Wind 240 deg - Service	49.465	-5.534	3.214	447.598	770.173	0.136
Dead+Wind 270 deg - Service	49.465	-6.392	-0.003	-0.245	889.364	0.068
Dead+Wind 300 deg - Service	49.465	-5.537	-3.219	-448.028	770.398	-0.019
Dead+Wind 330 deg - Service	49.465	-3.198	-5.572	-775.767	445.145	-0.101

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.000	-49.465	0.000	0.000	49.465	0.000	0.000%
2	-0.012	-59.358	-28.695	0.012	59.358	28.695	0.000%
3	-0.012	-44.518	-28.695	0.012	44.518	28.695	0.000%
4	14.247	-59.358	-24.844	-14.247	59.358	24.844	0.000%
5	14.247	-44.518	-24.844	-14.247	44.518	24.844	0.000%
6	24.689	-59.358	-14.337	-24.689	59.358	14.337	0.000%
7	24.689	-44.518	-14.337	-24.689	44.518	14.337	0.000%
8	28.515	-59.358	0.012	-28.515	59.358	-0.012	0.000%
9	28.515	-44.518	0.012	-28.515	44.518	-0.012	0.000%
10	24.701	-59.358	14.358	-24.701	59.358	-14.358	0.000%
11	24.701	-44.518	14.358	-24.701	44.518	-14.358	0.000%
12	14.268	-59.358	24.857	-14.268	59.358	-24.857	0.000%
13	14.268	-44.518	24.857	-14.268	44.518	-24.857	0.000%
14	0.012	-59.358	28.695	-0.012	59.358	-28.695	0.000%
15	0.012	-44.518	28.695	-0.012	44.518	-28.695	0.000%
16	-14.247	-59.358	24.844	14.247	59.358	-24.844	0.000%
17	-14.247	-44.518	24.844	14.247	44.518	-24.844	0.000%
18	-24.689	-59.358	14.337	24.689	59.358	-14.337	0.000%
19	-24.689	-44.518	14.337	24.689	44.518	-14.337	0.000%
20	-28.515	-59.358	-0.012	28.515	59.358	0.012	0.000%
21	-28.515	-44.518	-0.012	28.515	44.518	0.012	0.000%
22	-24.701	-59.358	-14.358	24.701	59.358	14.358	0.000%
23	-24.701	-44.518	-14.358	24.701	44.518	14.358	0.000%
24	-14.268	-59.358	-24.857	14.268	59.358	24.857	0.000%
25	-14.268	-44.518	-24.857	14.268	44.518	24.857	0.000%
26	0.000	-81.660	0.000	0.000	81.660	0.000	0.000%
27	-0.004	-81.660	-7.557	0.004	81.660	7.557	0.000%
28	3.758	-81.660	-6.542	-3.758	81.660	6.542	0.000%
29	6.513	-81.660	-3.775	-6.513	81.660	3.775	0.000%
30	7.523	-81.660	0.004	-7.523	81.660	-0.004	0.000%
31	6.517	-81.660	3.782	-6.517	81.660	-3.782	0.000%
32	3.765	-81.660	6.546	-3.765	81.660	-6.546	0.000%
33	0.004	-81.660	7.557	-0.004	81.660	-7.557	0.000%
34	-3.758	-81.660	6.542	3.758	81.660	-6.542	0.000%
35	-6.513	-81.660	3.775	6.513	81.660	-3.775	0.000%
36	-7.523	-81.660	-0.004	7.523	81.660	0.004	0.000%
37	-6.517	-81.660	-3.782	6.517	81.660	3.782	0.000%
38	-3.765	-81.660	-6.546	3.765	81.660	6.546	0.000%
39	-0.003	-49.465	-6.432	0.003	49.465	6.432	0.000%
40	3.194	-49.465	-5.569	-3.194	49.465	5.569	0.000%
41	5.534	-49.465	-3.214	-5.534	49.465	3.214	0.000%
42	6.392	-49.465	0.003	-6.392	49.465	-0.003	0.000%
43	5.537	-49.465	3.219	-5.537	49.465	-3.219	0.000%
44	3.198	-49.465	5.572	-3.198	49.465	-5.572	0.000%
45	0.003	-49.465	6.432	-0.003	49.465	-6.432	0.000%
46	-3.194	-49.465	5.569	3.194	49.465	-5.569	0.000%
47	-5.534	-49.465	3.214	5.534	49.465	-3.214	0.000%
48	-6.392	-49.465	-0.003	6.392	49.465	0.003	0.000%
49	-5.537	-49.465	-3.219	5.537	49.465	3.219	0.000%
50	-3.198	-49.465	-5.572	3.198	49.465	5.572	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	0.00032022
3	Yes	6	0.00000001	0.00010387
4	Yes	8	0.00000001	0.00022688
5	Yes	7	0.00000001	0.00053926
6	Yes	8	0.00000001	0.00023043
7	Yes	7	0.00000001	0.00054904
8	Yes	6	0.00000001	0.00020408

9	Yes	5	0.00000001	0.00088795
10	Yes	8	0.00000001	0.00022885
11	Yes	7	0.00000001	0.00054476
12	Yes	8	0.00000001	0.00022792
13	Yes	7	0.00000001	0.00054196
14	Yes	6	0.00000001	0.00030095
15	Yes	6	0.00000001	0.00009724
16	Yes	8	0.00000001	0.00023065
17	Yes	7	0.00000001	0.00054939
18	Yes	8	0.00000001	0.00022700
19	Yes	7	0.00000001	0.00053997
20	Yes	6	0.00000001	0.00021935
21	Yes	5	0.00000001	0.00097081
22	Yes	8	0.00000001	0.00022870
23	Yes	7	0.00000001	0.00054443
24	Yes	8	0.00000001	0.00022972
25	Yes	7	0.00000001	0.00054688
26	Yes	4	0.00000001	0.00018450
27	Yes	8	0.00000001	0.00019403
28	Yes	8	0.00000001	0.00032183
29	Yes	8	0.00000001	0.00032323
30	Yes	8	0.00000001	0.00019227
31	Yes	8	0.00000001	0.00032210
32	Yes	8	0.00000001	0.00032125
33	Yes	8	0.00000001	0.00019357
34	Yes	8	0.00000001	0.00032490
35	Yes	8	0.00000001	0.00032252
36	Yes	8	0.00000001	0.00019311
37	Yes	8	0.00000001	0.00032395
38	Yes	8	0.00000001	0.00032579
39	Yes	5	0.00000001	0.00036801
40	Yes	6	0.00000001	0.00037611
41	Yes	6	0.00000001	0.00038884
42	Yes	5	0.00000001	0.00040983
43	Yes	6	0.00000001	0.00038230
44	Yes	6	0.00000001	0.00037979
45	Yes	5	0.00000001	0.00036672
46	Yes	6	0.00000001	0.00039299
47	Yes	6	0.00000001	0.00037744
48	Yes	5	0.00000001	0.00034124
49	Yes	6	0.00000001	0.00038413
50	Yes	6	0.00000001	0.00038944

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	180.5 - 175.5	42.676	39	2.376	0.003
L2	175.5 - 170.5	40.193	39	2.365	0.003
L3	170.5 - 165.5	37.729	39	2.340	0.002
L4	165.5 - 160.5	35.298	39	2.301	0.002
L5	160.5 - 155.5	32.917	39	2.245	0.002
L6	155.5 - 150.5	30.602	39	2.174	0.002
L7	150.5 - 145.5	28.369	39	2.089	0.001
L8	145.5 - 140.5	26.231	39	1.994	0.001
L9	140.5 - 134.5	24.197	39	1.891	0.001
L10	137.794 - 132.794	23.142	39	1.832	0.001
L11	132.794 - 127.794	21.254	39	1.764	0.001
L12	127.794 - 122.794	19.460	39	1.662	0.001
L13	122.794 - 120.583	17.774	39	1.557	0.001
L14	120.583 - 120.333	17.064	39	1.510	0.001
L15	120.333 - 115.333	16.985	39	1.505	0.001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L16	115.333 - 112.5	15.466	39	1.398	0.001
L17	112.5 - 112.25	14.655	39	1.337	0.001
L18	112.25 - 107.817	14.585	39	1.334	0.001
L19	107.817 - 107.567	13.368	39	1.288	0.001
L20	107.567 - 102.567	13.300	39	1.285	0.001
L21	102.567 - 97.567	11.982	39	1.233	0.000
L22	97.567 - 89	10.719	39	1.179	0.000
L23	93.311 - 88.311	9.688	39	1.134	0.000
L24	88.311 - 87.5	8.515	39	1.104	0.000
L25	87.5 - 87.25	8.328	39	1.096	0.000
L26	87.25 - 82.25	8.271	39	1.091	0.000
L27	82.25 - 80.833	7.177	39	0.999	0.000
L28	80.833 - 80.583	6.884	39	0.973	0.000
L29	80.583 - 75.583	6.834	39	0.969	0.000
L30	75.583 - 70.583	5.866	39	0.879	0.000
L31	70.583 - 65.583	4.993	39	0.790	0.000
L32	65.583 - 60.583	4.212	39	0.702	0.000
L33	60.583 - 55.583	3.521	39	0.617	0.000
L34	55.583 - 53.567	2.920	39	0.533	0.000
L35	53.567 - 53.317	2.702	39	0.499	0.000
L36	53.317 - 43.8	2.676	39	0.495	0.000
L37	49.105 - 42.8	2.270	39	0.426	0.000
L38	42.8 - 38.417	1.731	39	0.386	0.000
L39	38.417 - 38.067	1.396	39	0.345	0.000
L40	38.067 - 37.833	1.371	39	0.342	0.000
L41	37.833 - 32.833	1.354	39	0.340	0.000
L42	32.833 - 27.833	1.022	39	0.294	0.000
L43	27.833 - 23.5	0.737	39	0.249	0.000
L44	23.5 - 23.25	0.529	39	0.211	0.000
L45	23.25 - 18.25	0.518	39	0.208	0.000
L46	18.25 - 13.25	0.322	39	0.165	0.000
L47	13.25 - 8.25	0.173	39	0.121	0.000
L48	8.25 - 7.917	0.068	39	0.078	0.000
L49	7.917 - 7.667	0.063	39	0.076	0.000
L50	7.667 - 5.5	0.059	39	0.074	0.000
L51	5.5 - 5.25	0.030	39	0.057	0.000
L52	5.25 - 3	0.027	39	0.054	0.000
L53	3 - 2.75	0.008	39	0.026	0.000
L54	2.75 - 0	0.007	39	0.023	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
180.000	APXVAALL24_43-U-NA20_TMO	39	42.427	2.376	0.003	14823
178.000	Side Arm Mount [SO 102-3]	39	41.433	2.372	0.003	14823
170.000	TMA-DB-T1-6Z-8AB-0Z	39	37.484	2.337	0.002	8450
168.000	BXA-171063-12CF-EDIN-X w/ Mount Pipe	39	36.508	2.323	0.002	7181
160.000	(2) 7770.00 w/ Mount Pipe	39	32.682	2.239	0.002	4415
158.000	RRUS 11 B12	39	31.750	2.212	0.002	4039
141.000	MX08FRO665-21 w/ Mount Pipe	39	24.395	1.902	0.001	2853
78.000	8225	39	6.322	0.922	0.000	3179

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	180.5 - 175.5	192.151	2	10.725	0.012
L2	175.5 - 170.5	181.004	2	10.678	0.011
L3	170.5 - 165.5	169.940	2	10.564	0.011
L4	165.5 - 160.5	159.023	2	10.389	0.009
L5	160.5 - 155.5	148.327	2	10.138	0.008
L6	155.5 - 150.5	137.925	2	9.818	0.007
L7	150.5 - 145.5	127.888	2	9.435	0.006
L8	145.5 - 140.5	118.271	2	9.005	0.006
L9	140.5 - 134.5	109.118	2	8.540	0.005
L10	137.794 - 132.794	104.370	2	8.275	0.005
L11	132.794 - 127.794	95.868	2	7.967	0.004
L12	127.794 - 122.794	87.789	2	7.508	0.004
L13	122.794 - 120.583	80.193	2	7.035	0.003
L14	120.583 - 120.333	76.992	2	6.823	0.003
L15	120.333 - 115.333	76.637	2	6.799	0.003
L16	115.333 - 112.5	69.785	2	6.315	0.003
L17	112.5 - 112.25	66.127	2	6.039	0.002
L18	112.25 - 107.817	65.812	2	6.027	0.002
L19	107.817 - 107.567	60.323	2	5.819	0.002
L20	107.567 - 102.567	60.019	2	5.807	0.002
L21	102.567 - 97.567	54.072	2	5.569	0.002
L22	97.567 - 89	48.374	2	5.329	0.002
L23	93.311 - 88.311	43.723	2	5.122	0.002
L24	88.311 - 87.5	38.429	2	4.988	0.002
L25	87.5 - 87.25	37.586	2	4.950	0.002
L26	87.25 - 82.25	37.328	2	4.929	0.002
L27	82.25 - 80.833	32.390	2	4.513	0.002
L28	80.833 - 80.583	31.069	2	4.397	0.002
L29	80.583 - 75.583	30.839	2	4.377	0.002
L30	75.583 - 70.583	26.474	2	3.969	0.001
L31	70.583 - 65.583	22.532	2	3.567	0.001
L32	65.583 - 60.583	19.006	2	3.172	0.001
L33	60.583 - 55.583	15.889	2	2.785	0.001
L34	55.583 - 53.567	13.173	2	2.405	0.001
L35	53.567 - 53.317	12.190	2	2.254	0.001
L36	53.317 - 43.8	12.072	2	2.235	0.001
L37	49.105 - 42.8	10.239	2	1.924	0.001
L38	42.8 - 38.417	7.810	2	1.741	0.000
L39	38.417 - 38.067	6.296	2	1.559	0.000
L40	38.067 - 37.833	6.183	2	1.544	0.000
L41	37.833 - 32.833	6.107	2	1.535	0.000
L42	32.833 - 27.833	4.609	2	1.327	0.000
L43	27.833 - 23.5	3.326	2	1.125	0.000
L44	23.5 - 23.25	2.384	2	0.950	0.000
L45	23.25 - 18.25	2.335	2	0.940	0.000
L46	18.25 - 13.25	1.454	2	0.743	0.000
L47	13.25 - 8.25	0.779	2	0.546	0.000
L48	8.25 - 7.917	0.309	2	0.354	0.000
L49	7.917 - 7.667	0.284	2	0.341	0.000
L50	7.667 - 5.5	0.267	2	0.332	0.000
L51	5.5 - 5.25	0.133	2	0.256	0.000
L52	5.25 - 3	0.120	2	0.242	0.000
L53	3 - 2.75	0.036	2	0.115	0.000
L54	2.75 - 0	0.030	2	0.105	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
180.000	APXVAALL24_43-U-NA20_TMO	2	191.035	10.722	0.012	3675
178.000	Side Arm Mount [SO 102-3]	2	186.572	10.707	0.012	3675
170.000	TMA-DB-T1-6Z-8AB-0Z	2	168.841	10.549	0.011	2037
168.000	BXA-171063-12CF-EDIN-X w/ Mount Pipe	2	164.459	10.485	0.010	1721
160.000	(2) 7770.00 w/ Mount Pipe	2	147.273	10.109	0.008	1042
158.000	RRUS 11 B12	2	143.085	9.986	0.008	950
141.000	MX08FRO665-21 w/ Mount Pipe	2	110.011	8.590	0.005	660
78.000	8225	2	28.531	4.165	0.002	710

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	180.5 - 175.5 (1)	TP18.569x17.62x0.25	5.000	0.000	0.0	14.536	-4.086	850.359	0.005
L2	175.5 - 170.5 (2)	TP19.518x18.569x0.25	5.000	0.000	0.0	15.289	-4.396	894.408	0.005
L3	170.5 - 165.5 (3)	TP20.467x19.518x0.25	5.000	0.000	0.0	16.042	-7.660	938.456	0.008
L4	165.5 - 160.5 (4)	TP21.416x20.467x0.25	5.000	0.000	0.0	16.795	-8.029	982.504	0.008
L5	160.5 - 155.5 (5)	TP22.365x21.416x0.25	5.000	0.000	0.0	17.548	-10.955	1026.550	0.011
L6	155.5 - 150.5 (6)	TP23.313x22.365x0.25	5.000	0.000	0.0	18.301	-11.480	1070.600	0.011
L7	150.5 - 145.5 (7)	TP24.262x23.313x0.25	5.000	0.000	0.0	19.054	-12.039	1114.650	0.011
L8	145.5 - 140.5 (8)	TP25.211x24.262x0.25	5.000	0.000	0.0	19.807	-15.400	1158.700	0.013
L9	140.5 - 134.5 (9)	TP26.35x25.211x0.25	6.000	0.000	0.0	20.214	-15.747	1182.540	0.013
L10	134.5 - 132.794 (10)	TP26.174x25.225x0.313	5.000	0.000	0.0	25.651	-16.710	1500.590	0.011
L11	132.794 - 127.794 (11)	TP27.123x26.174x0.313	5.000	0.000	0.0	26.592	-17.495	1555.650	0.011
L12	127.794 - 122.794 (12)	TP28.072x27.123x0.313	5.000	0.000	0.0	27.534	-18.297	1610.710	0.011
L13	122.794 - 120.583 (13)	TP28.491x28.072x0.313	2.211	0.000	0.0	27.950	-18.659	1635.060	0.011
L14	120.583 - 120.333 (14)	TP28.539x28.491x0.313	0.250	0.000	0.0	27.997	-18.716	1637.810	0.011
L15	120.333 - 115.333 (15)	TP29.488x28.539x0.313	5.000	0.000	0.0	28.938	-19.545	1692.870	0.012
L16	115.333 - 112.5 (16)	TP30.025x29.488x0.313	2.833	0.000	0.0	29.471	-20.026	1724.070	0.012
L17	112.5 - 112.25 (17)	TP30.073x30.025x0.638	0.250	0.000	0.0	59.560	-20.116	3484.240	0.006
L18	112.25 - 107.817 (18)	TP30.914x30.073x0.675	4.433	0.000	0.0	64.785	-21.342	3789.940	0.006
L19	107.817 - 107.567 (19)	TP30.961x30.914x0.675	0.250	0.000	0.0	64.887	-21.420	3795.890	0.006
L20	107.567 - 102.567 (20)	TP31.91x30.961x0.663	5.000	0.000	0.0	65.707	-22.827	3843.860	0.006
L21	102.567 - 97.567 (21)	TP32.859x31.91x0.65	5.000	0.000	0.0	66.451	-24.264	3887.370	0.006
L22	97.567 - 89	TP34.485x32.859x0.638	8.567	0.000	0.0	66.832	-25.507	3909.700	0.007

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L23	89 - 88.311 (22)	TP33.991x33.042x0.7	5.000	0.000	0.0	73.965	-28.192	4326.980	0.007
L24	88.311 - 87.5 (23)	TP34.145x33.991x0.7	0.811	0.000	0.0	74.307	-28.454	4346.980	0.007
L25	87.5 - 87.25 (24)	TP34.192x34.145x0.375	0.250	0.000	0.0	40.251	-28.512	2354.670	0.012
L26	87.25 - 82.25 (25)	TP35.141x34.192x0.375	5.000	0.000	0.0	41.380	-29.596	2420.740	0.012
L27	82.25 - 80.833 (26)	TP35.41x35.141x0.375	1.417	0.000	0.0	41.700	-29.904	2439.470	0.012
L28	80.833 - 80.583 (27)	TP35.457x35.41x0.375	0.250	0.000	0.0	41.757	-29.981	2442.770	0.012
L29	80.583 - 75.583 (28)	TP36.406x35.457x0.375	5.000	0.000	0.0	42.886	-31.173	2508.840	0.012
L30	75.583 - 70.583 (29)	TP37.355x36.406x0.375	5.000	0.000	0.0	44.016	-32.331	2574.910	0.013
L31	70.583 - 65.583 (30)	TP38.304x37.355x0.375	5.000	0.000	0.0	45.145	-33.513	2640.990	0.013
L32	65.583 - 60.583 (31)	TP39.253x38.304x0.375	5.000	0.000	0.0	46.275	-34.720	2707.060	0.013
L33	60.583 - 55.583 (32)	TP40.202x39.253x0.375	5.000	0.000	0.0	47.404	-35.951	2773.130	0.013
L34	55.583 - 53.567 (33)	TP40.584x40.202x0.375	2.016	0.000	0.0	47.859	-36.454	2799.770	0.013
L35	53.567 - 53.317 (34)	TP40.632x40.584x0.375	0.250	0.000	0.0	47.916	-36.530	2803.070	0.013
L36	53.317 - 43.8 (35)	TP42.438x40.632x0.375	9.517	0.000	0.0	48.867	-37.581	2858.730	0.013
L37	43.8 - 42.8 (36)	TP41.878x40.681x0.7	6.305	0.000	0.0	91.489	-41.183	5352.090	0.008
L38	42.8 - 38.417 (37)	TP42.71x41.878x0.688	4.383	0.000	0.0	91.243	-42.773	5337.750	0.008
L39	38.417 - 38.067 (38)	TP42.776x42.71x0.688	0.350	0.000	0.0	91.842	-43.142	5372.770	0.008
L40	38.067 - 37.833 (39)	TP42.82x42.776x0.688	0.234	0.000	0.0	91.939	-43.241	5378.440	0.008
L41	37.833 - 32.833 (40)	TP43.769x42.82x0.675	5.000	0.000	0.0	91.107	-44.282	5329.790	0.008
L42	32.833 - 27.833 (41)	TP44.718x43.769x0.675	5.000	0.000	0.0	92.327	-45.540	5401.140	0.008
L43	27.833 - 23.5 (42)	TP45.54x44.718x0.663	4.333	0.000	0.0	92.639	-47.452	5419.380	0.009
L44	23.5 - 23.25 (43)	TP45.588x45.54x0.663	0.250	0.000	0.0	94.368	-49.295	5520.530	0.009
L45	23.25 - 18.25 (44)	TP46.537x45.588x0.663	5.000	0.000	0.0	94.468	-49.410	5526.370	0.009
L46	18.25 - 13.25 (45)	TP47.486x46.537x0.65	5.000	0.000	0.0	94.669	-51.567	5538.120	0.009
L47	13.25 - 8.25 (46)	TP48.434x47.486x0.65	5.000	0.000	0.0	96.626	-53.749	5652.640	0.010
L48	8.25 - 7.917 (47)	TP48.498x48.434x0.65	0.333	0.000	0.0	98.584	-55.948	5767.160	0.010
L49	7.917 - 7.667 (48)	TP48.545x48.498x0.7	0.250	0.000	0.0	106.197	-56.096	6212.500	0.009
L50	7.667 - 5.5 (49)	TP48.956x48.545x0.7	2.167	0.000	0.0	106.302	-56.220	6218.670	0.009
L51	5.5 - 5.25 (50)	TP49.004x48.956x0.413	0.250	0.000	0.0	63.619	-57.305	3721.730	0.015
L52	5.25 - 3 (51)	TP49.431x49.004x0.425	2.250	0.000	0.0	66.106	-58.048	3867.210	0.015
L53	3 - 2.75 (52)	TP49.478x49.431x0.625	0.250	0.000	0.0	96.818	-58.067	5663.870	0.010
L54	2.75 - 0 (53)	TP50x49.478x0.625	2.750	0.000	0.0	96.912	-58.185	5669.370	0.010

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	180.5 - 175.5 (1)	TP18.569x17.62x0.25	36.828	404.493	0.091	0.000	404.493	0.000
L2	175.5 - 170.5 (2)	TP19.518x18.569x0.25	72.062	447.781	0.161	0.000	447.781	0.000
L3	170.5 - 165.5 (3)	TP20.467x19.518x0.25	125.906	493.269	0.255	0.000	493.269	0.000
L4	165.5 - 160.5 (4)	TP21.416x20.467x0.25	189.211	540.957	0.350	0.000	540.957	0.000
L5	160.5 - 155.5 (5)	TP22.365x21.416x0.25	270.267	590.845	0.457	0.000	590.845	0.000
L6	155.5 - 150.5 (6)	TP23.313x22.365x0.25	353.478	642.934	0.550	0.000	642.934	0.000
L7	150.5 - 145.5 (7)	TP24.262x23.313x0.25	438.168	695.496	0.630	0.000	695.496	0.000
L8	145.5 - 140.5 (8)	TP25.211x24.262x0.25	526.038	744.672	0.706	0.000	744.672	0.000
L9	140.5 - 134.5 (9)	TP26.35x25.211x0.25	581.983	771.739	0.754	0.000	771.739	0.000
L10	134.5 - 132.794 (10)	TP26.174x25.225x0.313	686.702	1009.233	0.680	0.000	1009.233	0.000
L11	132.794 - 127.794 (11)	TP27.123x26.174x0.313	792.970	1085.117	0.731	0.000	1085.117	0.000
L12	127.794 - 122.794 (12)	TP28.072x27.123x0.313	900.625	1163.742	0.774	0.000	1163.742	0.000
L13	122.794 - 120.583 (13)	TP28.491x28.072x0.313	948.667	1199.392	0.791	0.000	1199.392	0.000
L14	120.583 - 120.333 (14)	TP28.539x28.491x0.313	954.117	1203.450	0.793	0.000	1203.450	0.000
L15	120.333 - 115.333 (15)	TP29.488x28.539x0.313	1063.800	1286.183	0.827	0.000	1286.183	0.000
L16	115.333 - 112.5 (16)	TP30.025x29.488x0.313	1126.533	1334.283	0.844	0.000	1334.283	0.000
L17	112.5 - 112.25 (17)	TP30.073x30.025x0.638	1132.092	2642.192	0.428	0.000	2642.192	0.000
L18	112.25 - 107.817 (18)	TP30.914x30.073x0.675	1231.500	2950.575	0.417	0.000	2950.575	0.000
L19	107.817 - 107.567 (19)	TP30.961x30.914x0.675	1237.150	2959.942	0.418	0.000	2959.942	0.000
L20	107.567 - 102.567 (20)	TP31.91x30.961x0.663	1351.317	3095.783	0.437	0.000	3095.783	0.000
L21	102.567 - 97.567 (21)	TP32.859x31.91x0.65	1467.517	3230.383	0.454	0.000	3230.383	0.000
L22	97.567 - 89 (22)	TP34.485x32.859x0.638	1568.008	3334.550	0.470	0.000	3334.550	0.000
L23	89 - 88.311 (23)	TP33.991x33.042x0.7	1688.358	3713.358	0.455	0.000	3713.358	0.000
L24	88.311 - 87.5 (24)	TP34.145x33.991x0.7	1708.125	3748.133	0.456	0.000	3748.133	0.000
L25	87.5 - 87.25 (25)	TP34.192x34.145x0.375	1714.225	2072.875	0.827	0.000	2072.875	0.000
L26	87.25 - 82.25 (26)	TP35.141x34.192x0.375	1836.917	2191.492	0.838	0.000	2191.492	0.000
L27	82.25 - 80.833 (27)	TP35.41x35.141x0.375	1871.917	2225.708	0.841	0.000	2225.708	0.000
L28	80.833 - 80.583 (28)	TP35.457x35.41x0.375	1878.100	2231.775	0.842	0.000	2231.775	0.000
L29	80.583 - 75.583 (29)	TP36.406x35.457x0.375	2002.567	2348.758	0.853	0.000	2348.758	0.000
L30	75.583 - 70.583 (30)	TP37.355x36.406x0.375	2128.525	2459.008	0.866	0.000	2459.008	0.000
L31	70.583 - 65.583 (31)	TP38.304x37.355x0.375	2255.617	2570.908	0.877	0.000	2570.908	0.000
L32	65.583 - 60.583 (32)	TP39.253x38.304x0.375	2383.825	2684.392	0.888	0.000	2684.392	0.000
L33	60.583 - 55.583 (33)	TP40.202x39.253x0.375	2513.083	2799.392	0.898	0.000	2799.392	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 $\frac{M_{uy}}{\phi M_{ny}}$
L34	55.583 - 53.567 (34)	TP40.584x40.202x0.375	2565.500	2846.175	0.901	0.000	2846.175	0.000
L35	53.567 - 53.317 (35)	TP40.632x40.584x0.375	2572.008	2852.000	0.902	0.000	2852.000	0.000
L36	53.317 - 43.8 (36)	TP42.438x40.632x0.375	2682.050	2950.550	0.909	0.000	2950.550	0.000
L37	43.8 - 42.8 (37)	TP41.878x40.681x0.7	2848.858	5703.758	0.499	0.000	5703.758	0.000
L38	42.8 - 38.417 (38)	TP42.71x41.878x0.688	2936.842	5779.550	0.508	0.000	5779.550	0.000
L39	38.417 - 38.067 (39)	TP42.776x42.71x0.688	2975.800	5856.258	0.508	0.000	5856.258	0.000
L40	38.067 - 37.833 (40)	TP42.82x42.776x0.688	2982.108	5868.725	0.508	0.000	5868.725	0.000
L41	37.833 - 32.833 (41)	TP43.769x42.82x0.675	3036.100	5872.317	0.517	0.000	5872.317	0.000
L42	32.833 - 27.833 (42)	TP44.718x43.769x0.675	3117.550	6031.850	0.517	0.000	6031.850	0.000
L43	27.833 - 23.5 (43)	TP45.54x44.718x0.663	3254.350	6191.050	0.526	0.000	6191.050	0.000
L44	23.5 - 23.25 (44)	TP45.588x45.54x0.663	3373.825	6426.058	0.525	0.000	6426.058	0.000
L45	23.25 - 18.25 (45)	TP46.537x45.588x0.663	3380.742	6439.750	0.525	0.000	6439.750	0.000
L46	18.25 - 13.25 (46)	TP47.486x46.537x0.65	3519.767	6595.325	0.534	0.000	6595.325	0.000
L47	13.25 - 8.25 (47)	TP48.434x47.486x0.65	3659.950	6872.850	0.533	0.000	6872.850	0.000
L48	8.25 - 7.917 (48)	TP48.498x48.434x0.65	3801.258	7156.100	0.531	0.000	7156.100	0.000
L49	7.917 - 7.667 (49)	TP48.545x48.498x0.7	3810.717	7702.908	0.495	0.000	7702.908	0.000
L50	7.667 - 5.5 (50)	TP48.956x48.545x0.7	3817.808	7718.317	0.495	0.000	7718.317	0.000
L51	5.5 - 5.25 (51)	TP49.004x48.956x0.413	3886.600	4450.758	0.873	0.000	4450.758	0.000
L52	5.25 - 3 (52)	TP49.431x49.004x0.425	3950.808	4694.217	0.842	0.000	4694.217	0.000
L53	3 - 2.75 (53)	TP49.478x49.431x0.625	3950.808	7183.791	0.550	0.000	7183.791	0.000
L54	2.75 - 0 (54)	TP50x49.478x0.625	3957.950	7197.850	0.550	0.000	7197.850	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	180.5 - 175.5 (1)	TP18.569x17.62x0.25	6.894	255.108	0.027	0.002	409.264	0.000
L2	175.5 - 170.5 (2)	TP19.518x18.569x0.25	7.203	268.322	0.027	0.002	452.762	0.000
L3	170.5 - 165.5 (3)	TP20.467x19.518x0.25	12.487	281.537	0.044	0.357	498.455	0.001
L4	165.5 - 160.5 (4)	TP21.416x20.467x0.25	12.830	294.751	0.044	0.575	546.346	0.001
L5	160.5 - 155.5 (5)	TP22.365x21.416x0.25	16.499	307.966	0.054	0.477	596.432	0.001
L6	155.5 - 150.5 (6)	TP23.313x22.365x0.25	16.799	321.180	0.052	0.476	648.715	0.001
L7	150.5 - 145.5 (7)	TP24.262x23.313x0.25	17.094	334.395	0.051	0.475	703.193	0.001
L8	145.5 - 140.5 (8)	TP25.211x24.262x0.25	20.616	347.609	0.059	0.475	759.869	0.001
L9	140.5 - 134.5 (9)	TP26.35x25.211x0.25	20.765	354.761	0.059	0.474	791.457	0.001
L10	134.5 - 132.794 (10)	TP26.174x25.225x0.313	21.136	450.177	0.047	0.474	1019.558	0.000
L11	132.794 -	TP27.123x26.174x0.313	21.408	466.695	0.046	0.473	1095.750	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L12	127.794 (11) 127.794 - 122.794 (12)	TP28.072x27.123x0.313	21.684	483.213	0.045	0.472	1174.692	0.000
L13	122.794 - 120.583 (13)	TP28.491x28.072x0.313	21.806	490.518	0.044	0.472	1210.475	0.000
L14	120.583 - 120.333 (14)	TP28.539x28.491x0.313	21.809	491.343	0.044	0.472	1214.550	0.000
L15	120.333 - 115.333 (15)	TP29.488x28.539x0.313	22.087	507.861	0.043	0.471	1297.583	0.000
L16	115.333 - 112.5 (16)	TP30.025x29.488x0.313	22.244	517.220	0.043	0.471	1345.850	0.000
L17	112.5 - 112.25 (17)	TP30.073x30.025x0.638	22.245	1045.270	0.021	0.470	2694.483	0.000
L18	112.25 - 107.817 (18)	TP30.914x30.073x0.675	22.617	1136.980	0.020	0.470	3010.925	0.000
L19	107.817 - 107.567 (19)	TP30.961x30.914x0.675	22.633	1138.770	0.020	0.470	3020.383	0.000
L20	107.567 - 102.567 (20)	TP31.91x30.961x0.663	23.047	1153.160	0.020	0.470	3155.642	0.000
L21	102.567 - 97.567 (21)	TP32.859x31.91x0.65	23.453	1166.210	0.020	0.469	3289.550	0.000
L22	97.567 - 89 (22)	TP34.485x32.859x0.638	23.793	1172.910	0.020	0.469	3392.692	0.000
L23	89 - 88.311 (23)	TP33.991x33.042x0.7	24.345	1298.090	0.019	0.469	3784.508	0.000
L24	88.311 - 87.5 (24)	TP34.145x33.991x0.7	24.411	1304.090	0.019	0.469	3819.583	0.000
L25	87.5 - 87.25 (25)	TP34.192x34.145x0.375	24.423	706.402	0.035	0.469	2092.033	0.000
L26	87.25 - 82.25 (26)	TP35.141x34.192x0.375	24.685	726.223	0.034	0.468	2211.083	0.000
L27	82.25 - 80.833 (27)	TP35.41x35.141x0.375	24.763	731.840	0.034	0.468	2245.417	0.000
L28	80.833 - 80.583 (28)	TP35.457x35.41x0.375	24.754	732.832	0.034	0.468	2251.508	0.000
L29	80.583 - 75.583 (29)	TP36.406x35.457x0.375	25.096	752.653	0.033	0.682	2374.950	0.000
L30	75.583 - 70.583 (30)	TP37.355x36.406x0.375	25.329	772.474	0.033	0.681	2501.683	0.000
L31	70.583 - 65.583 (31)	TP38.304x37.355x0.375	25.555	792.296	0.032	0.681	2631.717	0.000
L32	65.583 - 60.583 (32)	TP39.253x38.304x0.375	25.773	812.117	0.032	0.680	2765.042	0.000
L33	60.583 - 55.583 (33)	TP40.202x39.253x0.375	25.981	831.938	0.031	0.680	2901.667	0.000
L34	55.583 - 53.567 (34)	TP40.584x40.202x0.375	26.062	839.930	0.031	0.680	2957.683	0.000
L35	53.567 - 53.317 (35)	TP40.632x40.584x0.375	26.056	840.921	0.031	0.679	2964.667	0.000
L36	53.317 - 43.8 (36)	TP42.438x40.632x0.375	26.231	857.619	0.031	0.679	3083.567	0.000
L37	43.8 - 42.8 (37)	TP41.878x40.681x0.7	26.702	1605.630	0.017	0.679	5790.117	0.000
L38	42.8 - 38.417 (38)	TP42.71x41.878x0.688	26.951	1601.320	0.017	0.679	5863.833	0.000
L39	38.417 - 38.067 (39)	TP42.776x42.71x0.688	26.960	1611.830	0.017	0.679	5941.033	0.000
L40	38.067 - 37.833 (40)	TP42.82x42.776x0.688	26.973	1613.530	0.017	0.679	5953.583	0.000
L41	37.833 - 32.833 (41)	TP43.769x42.82x0.675	27.140	1598.940	0.017	0.679	5954.617	0.000
L42	32.833 - 27.833 (42)	TP44.718x43.769x0.675	27.293	1627.480	0.017	0.679	6115.125	0.000
L43	27.833 - 23.5 (43)	TP45.54x44.718x0.663	27.541	1633.400	0.017	0.679	6272.658	0.000
L44	23.5 - 23.25 (44)	TP45.588x45.54x0.663	27.694	1657.910	0.017	0.679	6508.991	0.000
L45	23.25 - 18.25 (45)	TP46.537x45.588x0.663	27.752	1664.910	0.017	0.678	6522.767	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L46	18.25 - 13.25 (46)	TP47.486x46.537x0.65	27.985	1668.310	0.017	0.678	6676.517	0.000
L47	13.25 - 8.25 (47)	TP48.434x47.486x0.65	28.213	1702.660	0.017	0.678	6955.491	0.000
L48	8.25 - 7.917 (48)	TP48.498x48.434x0.65	28.397	1732.440	0.016	0.678	7240.175	0.000
L49	7.917 - 7.667 (49)	TP48.545x48.498x0.7	28.407	1865.600	0.015	0.678	7801.425	0.000
L50	7.667 - 5.5 (50)	TP48.956x48.545x0.7	28.472	1873.620	0.015	0.678	7816.917	0.000
L51	5.5 - 5.25 (51)	TP49.004x48.956x0.413	28.519	1116.520	0.026	0.678	4751.200	0.000
L52	5.25 - 3 (52)	TP49.431x49.004x0.425	28.599	1160.160	0.025	0.678	4979.042	0.000
L53	3 - 2.75 (53)	TP49.478x49.431x0.625	28.583	1700.810	0.017	0.678	7262.475	0.000
L54	2.75 - 0 (54)	TP50x49.478x0.625	28.663	1709.900	0.017	0.678	7276.608	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	180.5 - 175.5 (1)	0.005	0.091	0.000	0.027	0.000	0.097	1.050	4.8.2
L2	175.5 - 170.5 (2)	0.005	0.161	0.000	0.027	0.000	0.167	1.050	4.8.2
L3	170.5 - 165.5 (3)	0.008	0.255	0.000	0.044	0.001	0.265	1.050	4.8.2
L4	165.5 - 160.5 (4)	0.008	0.350	0.000	0.044	0.001	0.360	1.050	4.8.2
L5	160.5 - 155.5 (5)	0.011	0.457	0.000	0.054	0.001	0.471	1.050	4.8.2
L6	155.5 - 150.5 (6)	0.011	0.550	0.000	0.052	0.001	0.563	1.050	4.8.2
L7	150.5 - 145.5 (7)	0.011	0.630	0.000	0.051	0.001	0.643	1.050	4.8.2
L8	145.5 - 140.5 (8)	0.013	0.706	0.000	0.059	0.001	0.723	1.050	4.8.2
L9	140.5 - 134.5 (9)	0.013	0.754	0.000	0.059	0.001	0.771	1.050	4.8.2
L10	134.5 - 132.794 (10)	0.011	0.680	0.000	0.047	0.000	0.694	1.050	4.8.2
L11	132.794 - 127.794 (11)	0.011	0.731	0.000	0.046	0.000	0.744	1.050	4.8.2
L12	127.794 - 122.794 (12)	0.011	0.774	0.000	0.045	0.000	0.787	1.050	4.8.2
L13	122.794 - 120.583 (13)	0.011	0.791	0.000	0.044	0.000	0.804	1.050	4.8.2
L14	120.583 - 120.333 (14)	0.011	0.793	0.000	0.044	0.000	0.806	1.050	4.8.2
L15	120.333 - 115.333 (15)	0.012	0.827	0.000	0.043	0.000	0.841	1.050	4.8.2
L16	115.333 - 112.5 (16)	0.012	0.844	0.000	0.043	0.000	0.858	1.050	4.8.2
L17	112.5 - 112.25 (17)	0.006	0.428	0.000	0.021	0.000	0.435	1.050	4.8.2
L18	112.25 - 107.817 (18)	0.006	0.417	0.000	0.020	0.000	0.423	1.050	4.8.2
L19	107.817 - 107.567 (19)	0.006	0.418	0.000	0.020	0.000	0.424	1.050	4.8.2
L20	107.567 - 102.567 (20)	0.006	0.437	0.000	0.020	0.000	0.443	1.050	4.8.2
L21	102.567 - 97.567 (21)	0.006	0.454	0.000	0.020	0.000	0.461	1.050	4.8.2
L22	97.567 - 89 (22)	0.007	0.470	0.000	0.020	0.000	0.477	1.050	4.8.2
L23	89 - 88.311	0.007	0.455	0.000	0.019	0.000	0.462	1.050	4.8.2

Section No.	Elevation ft	Ratio P_u / ϕP_n	Ratio M_{ux} / ϕM_{nx}	Ratio M_{uy} / ϕM_{ny}	Ratio V_u / ϕV_n	Ratio T_u / ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L24	88.311 - 87.5 (24)	0.007	0.456	0.000	0.019	0.000	0.463	1.050	4.8.2
L25	87.5 - 87.25 (25)	0.012	0.827	0.000	0.035	0.000	0.840	1.050	4.8.2
L26	87.25 - 82.25 (26)	0.012	0.838	0.000	0.034	0.000	0.852	1.050	4.8.2
L27	82.25 - 80.833 (27)	0.012	0.841	0.000	0.034	0.000	0.854	1.050	4.8.2
L28	80.833 - 80.583 (28)	0.012	0.842	0.000	0.034	0.000	0.855	1.050	4.8.2
L29	80.583 - 75.583 (29)	0.012	0.853	0.000	0.033	0.000	0.866	1.050	4.8.2
L30	75.583 - 70.583 (30)	0.013	0.866	0.000	0.033	0.000	0.879	1.050	4.8.2
L31	70.583 - 65.583 (31)	0.013	0.877	0.000	0.032	0.000	0.891	1.050	4.8.2
L32	65.583 - 60.583 (32)	0.013	0.888	0.000	0.032	0.000	0.902	1.050	4.8.2
L33	60.583 - 55.583 (33)	0.013	0.898	0.000	0.031	0.000	0.912	1.050	4.8.2
L34	55.583 - 53.567 (34)	0.013	0.901	0.000	0.031	0.000	0.915	1.050	4.8.2
L35	53.567 - 53.317 (35)	0.013	0.902	0.000	0.031	0.000	0.916	1.050	4.8.2
L36	53.317 - 43.8 (36)	0.013	0.909	0.000	0.031	0.000	0.923	1.050	4.8.2
L37	43.8 - 42.8 (37)	0.008	0.499	0.000	0.017	0.000	0.507	1.050	4.8.2
L38	42.8 - 38.417 (38)	0.008	0.508	0.000	0.017	0.000	0.516	1.050	4.8.2
L39	38.417 - 38.067 (39)	0.008	0.508	0.000	0.017	0.000	0.516	1.050	4.8.2
L40	38.067 - 37.833 (40)	0.008	0.508	0.000	0.017	0.000	0.516	1.050	4.8.2
L41	37.833 - 32.833 (41)	0.008	0.517	0.000	0.017	0.000	0.526	1.050	4.8.2
L42	32.833 - 27.833 (42)	0.008	0.517	0.000	0.017	0.000	0.526	1.050	4.8.2
L43	27.833 - 23.5 (43)	0.009	0.526	0.000	0.017	0.000	0.535	1.050	4.8.2
L44	23.5 - 23.25 (44)	0.009	0.525	0.000	0.017	0.000	0.534	1.050	4.8.2
L45	23.25 - 18.25 (45)	0.009	0.525	0.000	0.017	0.000	0.534	1.050	4.8.2
L46	18.25 - 13.25 (46)	0.009	0.534	0.000	0.017	0.000	0.543	1.050	4.8.2
L47	13.25 - 8.25 (47)	0.010	0.533	0.000	0.017	0.000	0.542	1.050	4.8.2
L48	8.25 - 7.917 (48)	0.010	0.531	0.000	0.016	0.000	0.541	1.050	4.8.2
L49	7.917 - 7.667 (49)	0.009	0.495	0.000	0.015	0.000	0.504	1.050	4.8.2
L50	7.667 - 5.5 (50)	0.009	0.495	0.000	0.015	0.000	0.504	1.050	4.8.2
L51	5.5 - 5.25 (51)	0.015	0.873	0.000	0.026	0.000	0.889	1.050	4.8.2
L52	5.25 - 3 (52)	0.015	0.842	0.000	0.025	0.000	0.857	1.050	4.8.2
L53	3 - 2.75 (53)	0.010	0.550	0.000	0.017	0.000	0.561	1.050	4.8.2
L54	2.75 - 0 (54)	0.010	0.550	0.000	0.017	0.000	0.560	1.050	4.8.2

Section Capacity Table

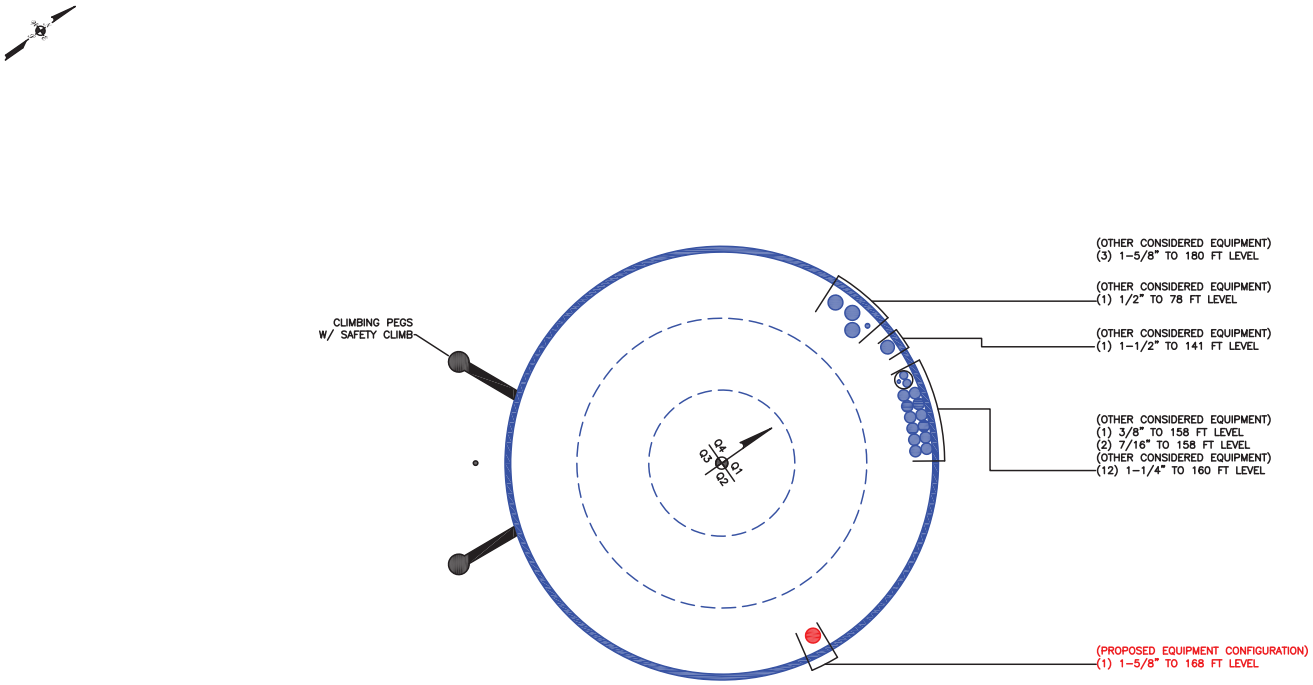
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	180.5 - 175.5	Pole	TP18.569x17.62x0.25	1	-4.086	892.877	9.2	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L2	175.5 - 170.5	Pole	TP19.518x18.569x0.25	2	-4.396	939.128	15.9	Pass
L3	170.5 - 165.5	Pole	TP20.467x19.518x0.25	3	-7.660	985.379	25.3	Pass
L4	165.5 - 160.5	Pole	TP21.416x20.467x0.25	4	-8.029	1031.629	34.3	Pass
L5	160.5 - 155.5	Pole	TP22.365x21.416x0.25	5	-10.955	1077.877	44.9	Pass
L6	155.5 - 150.5	Pole	TP23.313x22.365x0.25	6	-11.480	1124.130	53.7	Pass
L7	150.5 - 145.5	Pole	TP24.262x23.313x0.25	7	-12.039	1170.382	61.3	Pass
L8	145.5 - 140.5	Pole	TP25.211x24.262x0.25	8	-15.400	1216.635	68.9	Pass
L9	140.5 - 134.5	Pole	TP26.35x25.211x0.25	9	-15.747	1241.667	73.4	Pass
L10	134.5 - 132.794	Pole	TP26.174x25.225x0.313	10	-16.710	1575.619	66.1	Pass
L11	132.794 - 127.794	Pole	TP27.123x26.174x0.313	11	-17.495	1633.432	70.9	Pass
L12	127.794 - 122.794	Pole	TP28.072x27.123x0.313	12	-18.297	1691.245	75.0	Pass
L13	122.794 - 120.583	Pole	TP28.491x28.072x0.313	13	-18.659	1716.813	76.6	Pass
L14	120.583 - 120.333	Pole	TP28.539x28.491x0.313	14	-18.716	1719.700	76.8	Pass
L15	120.333 - 115.333	Pole	TP29.488x28.539x0.313	15	-19.545	1777.513	80.1	Pass
L16	115.333 - 112.5	Pole	TP30.025x29.488x0.313	16	-20.026	1810.273	81.7	Pass
L17	112.5 - 112.25	Pole	TP30.073x30.025x0.638	17	-20.116	3658.452	41.4	Pass
L18	112.25 - 107.817	Pole	TP30.914x30.073x0.675	18	-21.342	3979.437	40.3	Pass
L19	107.817 - 107.567	Pole	TP30.961x30.914x0.675	19	-21.420	3985.684	40.4	Pass
L20	107.567 - 102.567	Pole	TP31.91x30.961x0.663	20	-22.827	4036.053	42.2	Pass
L21	102.567 - 97.567	Pole	TP32.859x31.91x0.65	21	-24.264	4081.738	43.9	Pass
L22	97.567 - 89	Pole	TP34.485x32.859x0.638	22	-25.507	4105.185	45.4	Pass
L23	89 - 88.311	Pole	TP33.991x33.042x0.7	23	-28.192	4543.329	44.0	Pass
L24	88.311 - 87.5	Pole	TP34.145x33.991x0.7	24	-28.454	4564.329	44.1	Pass
L25	87.5 - 87.25	Pole	TP34.192x34.145x0.375	25	-28.512	2472.403	80.0	Pass
L26	87.25 - 82.25	Pole	TP35.141x34.192x0.375	26	-29.596	2541.777	81.1	Pass
L27	82.25 - 80.833	Pole	TP35.41x35.141x0.375	27	-29.904	2561.443	81.4	Pass
L28	80.833 - 80.583	Pole	TP35.457x35.41x0.375	28	-29.981	2564.908	81.4	Pass
L29	80.583 - 75.583	Pole	TP36.406x35.457x0.375	29	-31.173	2634.282	82.5	Pass
L30	75.583 - 70.583	Pole	TP37.355x36.406x0.375	30	-32.331	2703.655	83.7	Pass
L31	70.583 - 65.583	Pole	TP38.304x37.355x0.375	31	-33.513	2773.039	84.9	Pass
L32	65.583 - 60.583	Pole	TP39.253x38.304x0.375	32	-34.720	2842.413	85.9	Pass
L33	60.583 - 55.583	Pole	TP40.202x39.253x0.375	33	-35.951	2911.786	86.8	Pass
L34	55.583 - 53.567	Pole	TP40.584x40.202x0.375	34	-36.454	2939.758	87.2	Pass
L35	53.567 - 53.317	Pole	TP40.632x40.584x0.375	35	-36.530	2943.223	87.2	Pass
L36	53.317 - 43.8	Pole	TP42.438x40.632x0.375	36	-37.581	3001.666	87.9	Pass
L37	43.8 - 42.8	Pole	TP41.878x40.681x0.7	37	-41.183	5619.694	48.3	Pass
L38	42.8 - 38.417	Pole	TP42.71x41.878x0.688	38	-42.773	5604.637	49.2	Pass
L39	38.417 - 38.067	Pole	TP42.776x42.71x0.688	39	-43.142	5641.408	49.2	Pass
L40	38.067 - 37.833	Pole	TP42.82x42.776x0.688	40	-43.241	5647.362	49.2	Pass
L41	37.833 - 32.833	Pole	TP43.769x42.82x0.675	41	-44.282	5596.279	50.1	Pass
L42	32.833 - 27.833	Pole	TP44.718x43.769x0.675	42	-45.540	5671.197	50.1	Pass
L43	27.833 - 23.5	Pole	TP45.54x44.718x0.663	43	-47.452	5690.349	50.9	Pass
L44	23.5 - 23.25	Pole	TP45.588x45.54x0.663	44	-49.295	5796.556	50.9	Pass
L45	23.25 - 18.25	Pole	TP46.537x45.588x0.663	45	-49.410	5802.688	50.9	Pass
L46	18.25 - 13.25	Pole	TP47.486x46.537x0.65	46	-51.567	5815.026	51.7	Pass
L47	13.25 - 8.25	Pole	TP48.434x47.486x0.65	47	-53.749	5935.272	51.6	Pass
L48	8.25 - 7.917	Pole	TP48.498x48.434x0.65	48	-55.948	6055.518	51.5	Pass
L49	7.917 - 7.667	Pole	TP48.545x48.498x0.7	49	-56.096	6523.125	48.0	Pass
L50	7.667 - 5.5	Pole	TP48.956x48.545x0.7	50	-56.220	6529.603	48.0	Pass
L51	5.5 - 5.25	Pole	TP49.004x48.956x0.413	51	-57.305	3907.816	84.7	Pass
L52	5.25 - 3	Pole	TP49.431x49.004x0.425	52	-58.048	4060.570	81.6	Pass
L53	3 - 2.75	Pole	TP49.478x49.431x0.625	53	-58.067	5947.063	53.4	Pass
L54	2.75 - 0	Pole	TP50x49.478x0.625	54	-58.185	5952.838	53.4	Pass
							Summary	
						Pole (L36)	87.9	Pass
						RATING =	**87.9**	**Pass**

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

APPENDIX B

BASE LEVEL DRAWING


CLIMBING PEGS
W/ SAFETY CLIMB
(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 180 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 78 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 141 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 158 FT LEVEL
(2) 7/16" TO 158 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(12) 1-1/4" TO 160 FT LEVEL
Q4
Q3
Q1
Q2
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 1-5/8" TO 168 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876375

Work Order: 2010302

CROWN CASTLE

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	180.5	46	3.294	18	17.62	26.35	0.25	Auto	A572-65
2	137.794	48.794	4.311	18	25.22	34.485	0.3125	Auto	A572-65
3	93.311	49.511	5.305	18	33.04	42.438	0.375	Auto	A572-65
4	49.105	49.105	0	18	40.68	50	0.375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	3	38.083	channel	MP3-05 (1.1875in)	2																		
2	7.917	38.083	channel	MP3-05 (1.1875in)	1																		
3	38.417	53.583	channel	MP3-05 (1.1875in)	3																		
4	53.667	80.833	channel	MP3-04 (1.1875in)	3																		
5	80.833	107.833	channel	MP3-04 (1.1875in)	3																		
6	107.917	120.583	channel	MP3-03 (1.1875in)	3																		
7	5.5	23.5	plate	CCI-AFP-065125	3																		
8	23.5	48.583	plate	CCI-AFP-065125	3																		
9	87.5	112.5	plate	CCI-AFP-060100	3																		
10	0	3	plate	TS1 5"x1.25"	4		-4		4										-4		3		
11	0	7.917	plate	TS2 4.5625"x1.25"	2							-2			3								
12																							

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	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	5.025	1.1875	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	5.025	1.1875	A572-65
3	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	5.025	1.1875	A572-65
4	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
5	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
6	4.06	1.57	2.92	0.59	PC 8.8 - M20 (100)	14	PC 8.8 - M20 (100)	14.000	18.000	2.545	1.1875	A572-65
7	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	42	PC 8.8 - M20 (100)	42.000	19.000	6.563	1.1875	A572-65
8	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	42	PC 8.8 - M20 (100)	42.000	19.000	6.563	1.1875	A572-65
9	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
10	1.25	5	6.25	2.5	Welded	n/a	Welded	n/a	0.750	6.250	0.0000	A572-65
11	1.25	4.5625	5.70313	2.28125	Welded	n/a	Welded	n/a	0.750	5.703	0.0000	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)
TS1 5"x1.25"	Top	-	-	-	-	70	None	-	-	-	-	44.25	0.375	-
	Bottom	-	-	-	-	70	CJP Groove	10	0.625	45	0.625	-	-	-
TS2 4.5625"x1.25"	Top	-	-	-	-	70	None	-	-	-	-	107.25	0.375	-
	Bottom	-	-	-	-	70	CJP Groove	9.125	0.625	45	0.625	-	-	-

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	180.5 - 175.5	5		18	17.620	18.569	0.25	A572-65	1.000
2	175.5 - 170.5	5		18	18.569	19.518	0.25	A572-65	1.000
3	170.5 - 165.5	5		18	19.518	20.467	0.25	A572-65	1.000
4	165.5 - 160.5	5		18	20.467	21.416	0.25	A572-65	1.000
5	160.5 - 155.5	5		18	21.416	22.365	0.25	A572-65	1.000
6	155.5 - 150.5	5		18	22.365	23.313	0.25	A572-65	1.000
7	150.5 - 145.5	5		18	23.313	24.262	0.25	A572-65	1.000
8	145.5 - 140.5	5		18	24.262	25.211	0.25	A572-65	1.000
9	140.5 - 137.794	6	3.294	18	25.211	26.350	0.25	A572-65	1.000
10	137.794 - 132.794	5		18	25.225	26.174	0.3125	A572-65	1.000
11	132.794 - 127.794	5		18	26.174	27.123	0.3125	A572-65	1.000
12	127.794 - 122.794	5		18	27.123	28.072	0.3125	A572-65	1.000
13	122.794 - 120.583	2.211		18	28.072	28.491	0.3125	A572-65	1.000
14	120.583 - 120.333	0.25		18	28.491	28.539	0.3125	A572-65	1.000
15	120.333 - 115.333	5		18	28.539	29.488	0.3125	A572-65	1.000
16	115.333 - 112.5	2.833		18	29.488	30.025	0.3125	A572-65	1.000
17	112.5 - 112.25	0.25		18	30.025	30.073	0.6375	A572-65	0.945
18	112.25 - 107.817	4.433		18	30.073	30.914	0.675	A572-65	0.938
19	107.817 - 107.567	0.25		18	30.914	30.961	0.675	A572-65	0.937
20	107.567 - 102.567	5		18	30.961	31.910	0.6625	A572-65	0.940
21	102.567 - 97.567	5		18	31.910	32.859	0.65	A572-65	0.943
22	97.567 - 93.311	8.567	4.311	18	32.859	34.485	0.6375	A572-65	0.950
23	93.311 - 88.311	5		18	33.042	33.991	0.7	A572-65	0.952
24	88.311 - 87.5	0.811		18	33.991	34.145	0.7	A572-65	0.950
25	87.5 - 87.25	0.25		18	34.145	34.192	0.375	A572-65	1.000
26	87.25 - 82.25	5		18	34.192	35.141	0.375	A572-65	1.000
27	82.25 - 80.833	1.417		18	35.141	35.410	0.375	A572-65	1.000
28	80.833 - 80.583	0.25		18	35.410	35.457	0.375	A572-65	1.000
29	80.583 - 75.583	5		18	35.457	36.406	0.375	A572-65	1.000
30	75.583 - 70.583	5		18	36.406	37.355	0.375	A572-65	1.000
31	70.583 - 65.583	5		18	37.355	38.304	0.375	A572-65	1.000
32	65.583 - 60.583	5		18	38.304	39.253	0.375	A572-65	1.000
33	60.583 - 55.583	5		18	39.253	40.202	0.375	A572-65	1.000
34	55.583 - 53.567	2.016		18	40.202	40.584	0.375	A572-65	1.000
35	53.567 - 53.317	0.25		18	40.584	40.632	0.375	A572-65	1.000
36	53.317 - 49.105	9.517	5.305	18	40.632	42.438	0.375	A572-65	1.000
37	49.105 - 42.8	6.305		18	40.681	41.878	0.7	A572-65	0.992
38	42.8 - 38.417	4.383		18	41.878	42.710	0.6875	A572-65	1.000
39	38.417 - 38.067	0.35		18	42.710	42.776	0.6875	A572-65	0.999
40	38.067 - 37.833	0.234		18	42.776	42.820	0.6875	A572-65	0.999
41	37.833 - 32.833	5		18	42.820	43.769	0.675	A572-65	1.007
42	32.833 - 27.833	5		18	43.769	44.718	0.675	A572-65	0.997
43	27.833 - 23.5	4.333		18	44.718	45.540	0.6625	A572-65	1.008
44	23.5 - 23.25	0.25		18	45.540	45.588	0.6625	A572-65	1.007
45	23.25 - 18.25	5		18	45.588	46.537	0.6625	A572-65	0.998
46	18.25 - 13.25	5		18	46.537	47.486	0.65	A572-65	1.008
47	13.25 - 8.25	5		18	47.486	48.434	0.65	A572-65	0.999
48	8.25 - 7.917	0.333		18	48.434	48.498	0.65	A572-65	0.999
49	7.917 - 7.667	0.25		18	48.498	48.545	0.7	A572-65	0.982
50	7.667 - 5.5	2.167		18	48.545	48.956	0.7	A572-65	0.978
51	5.5 - 5.25	0.25		18	48.956	49.004	0.4125	A572-65	1.089
52	5.25 - 3	2.25		18	49.004	49.431	0.425	A572-65	1.056
53	3 - 2.75	0.25		18	49.431	49.478	0.625	A572-65	0.979
54	2.75 - 0	2.75		18	49.478	50.000	0.625	A572-65	0.975

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	180.5 - 175.5	4.09	36.83	6.89
2	175.5 - 170.5	4.40	72.06	7.20
3	170.5 - 165.5	7.66	125.91	12.49
4	165.5 - 160.5	8.03	189.21	12.83
5	160.5 - 155.5	10.95	270.27	16.50
6	155.5 - 150.5	11.48	353.48	16.80
7	150.5 - 145.5	12.04	438.17	17.09
8	145.5 - 140.5	15.40	526.04	20.62
9	140.5 - 137.794	15.75	581.98	20.76
10	137.794 - 132.794	16.71	686.70	21.14
11	132.794 - 127.794	17.50	792.97	21.41
12	127.794 - 122.794	18.30	900.63	21.68
13	122.794 - 120.583	18.66	948.67	21.81
14	120.583 - 120.333	18.72	954.12	21.81
15	120.333 - 115.333	19.54	1063.80	22.09
16	115.333 - 112.5	20.03	1126.54	22.24
17	112.5 - 112.25	20.12	1132.09	22.24
18	112.25 - 107.817	21.34	1231.50	22.62
19	107.817 - 107.567	21.42	1237.15	22.63
20	107.567 - 102.567	22.83	1351.32	23.05
21	102.567 - 97.567	24.26	1467.52	23.45
22	97.567 - 93.311	25.51	1568.01	23.79
23	93.311 - 88.311	28.19	1688.36	24.35
24	88.311 - 87.5	28.45	1708.12	24.41
25	87.5 - 87.25	28.51	1714.22	24.42
26	87.25 - 82.25	29.60	1836.92	24.68
27	82.25 - 80.833	29.90	1871.91	24.76
28	80.833 - 80.583	29.98	1878.10	24.75
29	80.583 - 75.583	31.17	2002.57	25.10
30	75.583 - 70.583	32.33	2128.52	25.33
31	70.583 - 65.583	33.51	2255.62	25.56
32	65.583 - 60.583	34.72	2383.82	25.77
33	60.583 - 55.583	35.95	2513.09	25.98
34	55.583 - 53.567	36.45	2565.50	26.06
35	53.567 - 53.317	36.53	2572.01	26.06
36	53.317 - 49.105	37.58	2682.05	26.23
37	49.105 - 42.8	41.18	2848.86	26.70
38	42.8 - 38.417	42.99	2966.37	26.95
39	38.417 - 38.067	43.14	2975.80	26.96
40	38.067 - 37.833	43.24	2982.11	26.97
41	37.833 - 32.833	45.32	3117.60	27.24
42	32.833 - 27.833	47.43	3254.35	27.49
43	27.833 - 23.5	49.28	3373.82	27.69
44	23.5 - 23.25	49.40	3380.74	27.69
45	23.25 - 18.25	51.55	3519.77	27.94
46	18.25 - 13.25	53.73	3659.95	28.17
47	13.25 - 8.25	55.94	3801.26	28.39
48	8.25 - 7.917	56.09	3810.71	28.40
49	7.917 - 7.667	56.21	3817.81	28.41
50	7.667 - 5.5	57.21	3879.47	28.52
51	5.5 - 5.25	57.30	3886.60	28.52
52	5.25 - 3	58.05	3950.81	28.60
53	3 - 2.75	58.17	3957.95	28.58
54	2.75 - 0	59.34	4036.70	28.72

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
180.5 - 175.5	Pole	TP18.569x17.62x0.25	Pole	9.2%	Pass
175.5 - 170.5	Pole	TP19.518x18.569x0.25	Pole	15.9%	Pass
170.5 - 165.5	Pole	TP20.467x19.518x0.25	Pole	25.3%	Pass
165.5 - 160.5	Pole	TP21.416x20.467x0.25	Pole	34.3%	Pass
160.5 - 155.5	Pole	TP22.365x21.416x0.25	Pole	44.8%	Pass
155.5 - 150.5	Pole	TP23.313x22.365x0.25	Pole	53.6%	Pass
150.5 - 145.5	Pole	TP24.262x23.313x0.25	Pole	61.3%	Pass
145.5 - 140.5	Pole	TP25.211x24.262x0.25	Pole	68.9%	Pass
140.5 - 137.79	Pole	TP26.35x25.211x0.25	Pole	73.4%	Pass
137.79 - 132.79	Pole	TP26.174x25.225x0.3125	Pole	66.0%	Pass
132.79 - 127.79	Pole	TP27.123x26.174x0.3125	Pole	70.8%	Pass
127.79 - 122.79	Pole	TP28.072x27.123x0.3125	Pole	74.9%	Pass
122.79 - 120.58	Pole	TP28.491x28.072x0.3125	Pole	76.6%	Pass
120.58 - 120.33	Pole	TP28.539x28.491x0.3125	Pole	76.7%	Pass
120.33 - 115.33	Pole	TP29.488x28.539x0.3125	Pole	80.0%	Pass
115.33 - 112.5	Pole	TP30.025x29.488x0.3125	Pole	81.7%	Pass
112.5 - 112.25	Pole + Reinf.	TP30.073x30.025x0.6375	Reinf. 9 Tension Rupture	65.0%	Pass
112.25 - 107.82	Pole + Reinf.	TP30.914x30.073x0.675	Reinf. 9 Tension Rupture	63.6%	Pass
107.82 - 107.57	Pole + Reinf.	TP30.961x30.914x0.675	Reinf. 9 Tension Rupture	63.7%	Pass
107.57 - 102.57	Pole + Reinf.	TP31.91x30.961x0.6625	Reinf. 9 Tension Rupture	66.5%	Pass
102.57 - 97.57	Pole + Reinf.	TP32.859x31.91x0.65	Reinf. 9 Tension Rupture	69.2%	Pass
97.57 - 93.31	Pole + Reinf.	TP34.485x32.859x0.6375	Reinf. 9 Tension Rupture	71.3%	Pass
93.31 - 88.31	Pole + Reinf.	TP33.991x33.042x0.7	Reinf. 9 Tension Rupture	68.9%	Pass
88.31 - 87.5	Pole + Reinf.	TP34.145x33.991x0.7	Reinf. 9 Tension Rupture	69.2%	Pass
87.5 - 87.25	Pole	TP34.192x34.145x0.375	Pole	80.0%	Pass
87.25 - 82.25	Pole	TP35.141x34.192x0.375	Pole	81.1%	Pass
82.25 - 80.83	Pole	TP35.41x35.141x0.375	Pole	81.3%	Pass
80.83 - 80.58	Pole	TP35.457x35.41x0.375	Pole	81.4%	Pass
80.58 - 75.58	Pole	TP36.406x35.457x0.375	Pole	82.5%	Pass
75.58 - 70.58	Pole	TP37.355x36.406x0.375	Pole	83.7%	Pass
70.58 - 65.58	Pole	TP38.304x37.355x0.375	Pole	84.9%	Pass
65.58 - 60.58	Pole	TP39.253x38.304x0.375	Pole	85.9%	Pass
60.58 - 55.58	Pole	TP40.202x39.253x0.375	Pole	86.8%	Pass
55.58 - 53.57	Pole	TP40.584x40.202x0.375	Pole	87.2%	Pass
53.57 - 53.32	Pole	TP40.632x40.584x0.375	Pole	87.2%	Pass
53.32 - 49.11	Pole	TP42.438x40.632x0.375	Pole	87.9%	Pass
49.11 - 42.8	Pole + Reinf.	TP41.878x40.681x0.7	Reinf. 8 Tension Rupture	72.9%	Pass
42.8 - 38.42	Pole + Reinf.	TP42.71x41.878x0.6875	Reinf. 8 Tension Rupture	73.6%	Pass
38.42 - 38.07	Pole + Reinf.	TP42.776x42.71x0.6875	Reinf. 8 Tension Rupture	73.7%	Pass
38.07 - 37.83	Pole + Reinf.	TP42.82x42.776x0.6875	Reinf. 8 Tension Rupture	73.7%	Pass
37.83 - 32.83	Pole + Reinf.	TP43.769x42.82x0.675	Reinf. 8 Tension Rupture	74.5%	Pass
32.83 - 27.83	Pole + Reinf.	TP44.718x43.769x0.675	Reinf. 8 Tension Rupture	75.2%	Pass
27.83 - 23.5	Pole + Reinf.	TP45.54x44.718x0.6625	Reinf. 8 Tension Rupture	75.8%	Pass
23.5 - 23.25	Pole + Reinf.	TP45.588x45.54x0.6625	Reinf. 7 Tension Rupture	75.9%	Pass
23.25 - 18.25	Pole + Reinf.	TP46.537x45.588x0.6625	Reinf. 7 Tension Rupture	76.5%	Pass
18.25 - 13.25	Pole + Reinf.	TP47.486x46.537x0.65	Reinf. 7 Tension Rupture	77.0%	Pass
13.25 - 8.25	Pole + Reinf.	TP48.434x47.486x0.65	Reinf. 7 Tension Rupture	77.6%	Pass
8.25 - 7.92	Pole + Reinf.	TP48.498x48.434x0.65	Reinf. 7 Tension Rupture	77.6%	Pass
7.92 - 7.67	Pole + Reinf.	TP48.545x48.498x0.7	Reinf. 1 Tension Rupture	73.3%	Pass
7.67 - 5.5	Pole + Reinf.	TP48.956x48.545x0.7	Reinf. 1 Tension Rupture	73.5%	Pass
5.5 - 5.25	Pole + Reinf.	TP49.004x48.956x0.4125	Pole	90.4%	Pass
5.25 - 3	Pole + Reinf.	TP49.431x49.004x0.425	Pole	90.6%	Pass
3 - 2.75	Pole + Reinf.	TP49.478x49.431x0.625	Reinf. 11 Compression	74.5%	Pass
2.75 - 0	Pole + Reinf.	TP50x49.478x0.625	Reinf. 11 Compression	74.6%	Pass
				Summary	
			Pole	90.6%	Pass
			Reinforcement	83.4%	Pass
			Overall	90.6%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*											
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11
180.5 - 175.5	616	n/a	616	14.54	n/a	14.54	9.2%											
175.5 - 170.5	717	n/a	717	15.29	n/a	15.29	15.9%											
170.5 - 165.5	828	n/a	828	16.04	n/a	16.04	25.3%											
165.5 - 160.5	950	n/a	950	16.79	n/a	16.79	34.3%											
160.5 - 155.5	1084	n/a	1084	17.55	n/a	17.55	44.8%											
155.5 - 150.5	1229	n/a	1229	18.30	n/a	18.30	53.6%											
150.5 - 145.5	1388	n/a	1388	19.05	n/a	19.05	61.3%											
145.5 - 140.5	1559	n/a	1559	19.81	n/a	19.81	68.9%											
140.5 - 137.79	1657	n/a	1657	20.21	n/a	20.21	73.4%											
137.79 - 132.79	2167	n/a	2167	25.65	n/a	25.65	66.0%											
132.79 - 127.79	2414	n/a	2414	26.59	n/a	26.59	70.8%											
127.79 - 122.79	2680	n/a	2680	27.53	n/a	27.53	74.9%											
122.79 - 120.58	2803	n/a	2803	27.95	n/a	27.95	76.6%											
120.58 - 120.33	2817	n/a	2817	28.00	n/a	28.00	76.7%											
120.33 - 115.33	3111	n/a	3111	28.94	n/a	28.94	80.0%											
115.33 - 112.5	3286	n/a	3286	29.47	n/a	29.47	81.7%											
112.5 - 112.25	3302	3272	6574	29.52	26.76	56.28	40.5%						62.5%			65.0%		
112.25 - 107.82	3590	3925	7515	30.35	30.39	60.74	39.9%					60.7%				63.6%		
107.82 - 107.57	3607	3937	7543	30.40	30.39	60.79	40.0%					60.9%				63.7%		
107.57 - 102.57	3952	4171	8123	31.34	30.39	61.73	42.1%					63.6%				66.5%		
102.57 - 97.57	4319	4413	8731	32.28	30.39	62.67	44.2%					66.1%				69.2%		
97.57 - 93.31	4648	4623	9272	33.08	30.39	63.47	45.9%					68.1%				71.3%		
93.31 - 88.31	5710	4709	10420	40.01	30.39	70.40	43.1%					65.8%				68.9%		
88.31 - 87.5	5789	4750	10540	40.19	30.39	70.58	43.3%					66.1%				69.2%		
87.5 - 87.25	5813	n/a	5813	40.25	n/a	40.25	80.0%											
87.25 - 82.25	6317	n/a	6317	41.38	n/a	41.38	81.1%											
82.25 - 80.83	6464	n/a	6464	41.70	n/a	41.70	81.3%											
80.83 - 80.58	6491	n/a	6491	41.76	n/a	41.76	81.4%											
80.58 - 75.58	7032	n/a	7032	42.88	n/a	42.88	82.5%											
75.58 - 70.58	7602	n/a	7602	44.01	n/a	44.01	83.7%											
70.58 - 65.58	8202	n/a	8202	45.14	n/a	45.14	84.9%											
65.58 - 60.58	8834	n/a	8834	46.27	n/a	46.27	85.9%											
60.58 - 55.58	9496	n/a	9496	47.40	n/a	47.40	86.8%											
55.58 - 53.57	9773	n/a	9773	47.86	n/a	47.86	87.2%											
53.57 - 53.32	9807	n/a	9807	47.91	n/a	47.91	87.2%											
53.32 - 49.11	10403	n/a	10403	48.87	n/a	48.87	87.9%											
49.11 - 42.8	10764	8689	19454	49.40	41.33	90.72	51.9%			72.7%					72.9%			
42.8 - 38.42	11424	9025	20449	50.39	41.33	91.71	52.7%			73.4%					73.6%			
38.42 - 38.07	11478	9052	20530	50.47	41.33	91.79	52.8%	73.4%	69.6%						73.7%			
38.07 - 37.83	11514	9070	20584	50.52	41.33	91.84	52.8%	73.5%	69.7%						73.7%			
37.83 - 32.83	12303	9461	21764	51.65	41.33	92.97	53.8%	74.2%	70.4%						74.5%			
32.83 - 27.83	13127	9860	22988	52.78	41.33	94.10	54.6%	74.9%	71.1%						75.2%			
27.83 - 23.5	13871	10213	24084	53.76	41.33	95.08	55.4%	75.4%	71.6%						75.8%			
23.5 - 23.25	13915	10234	24149	53.81	41.33	95.14	55.4%	75.4%	71.6%					75.9%				
23.25 - 18.25	14809	10649	25458	54.94	41.33	96.27	56.3%	76.0%	72.2%					76.5%				
18.25 - 13.25	15740	11073	26813	56.07	41.33	97.40	57.1%	76.5%	72.7%					77.0%				
13.25 - 8.25	16710	11505	28215	57.20	41.33	98.53	57.8%	77.0%	73.2%					77.6%				
8.25 - 7.92	16776	11534	28310	57.28	41.33	98.60	57.9%	77.0%	73.3%					77.6%				
7.92 - 7.67	16966	14172	31138	57.33	47.08	104.41	54.4%	73.3%						72.8%				60.4%
7.67 - 5.5	17402	14404	31806	57.82	47.08	104.90	54.7%	73.5%						73.1%				60.6%
5.5 - 5.25	17357	1694	19052	57.88	11.41	69.28	90.4%											83.3%
5.25 - 3	17968	2273	20241	58.39	11.41	69.79	90.6%											83.4%
3 - 2.75	17836	11654	29491	58.44	36.41	94.85	59.7%										68.6%	74.5%
2.75 - 0	18410	11877	30287	59.06	36.41	95.47	60.1%										68.8%	74.6%

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

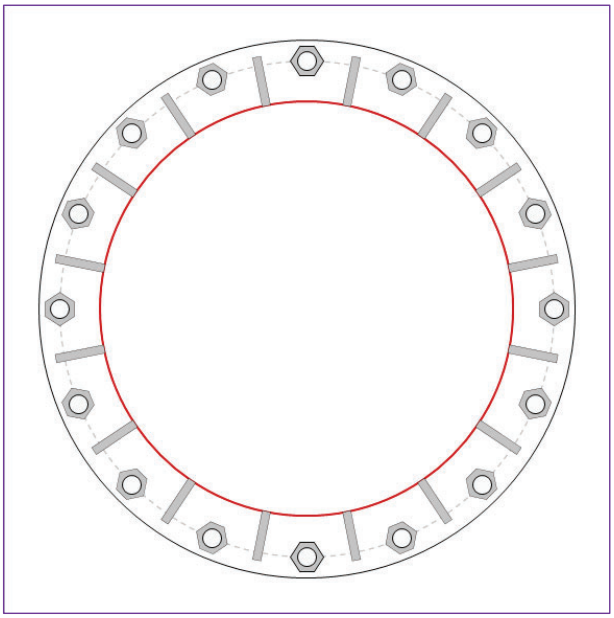
Monopole Base Plate Connection

Site Info	
BU #	876375
Site Name	CANTERBURY / LEMIRE
Order #	583562 Rev 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.625

Applied Loads	
Moment (kip-ft)	4036.70
Axial Force (kips)	59.34
Shear Force (kips)	28.72

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 60" BC

Base Plate Data

65" OD x 2" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Stiffener Data

(16) 18"H x 6"W x 1"T, Notch: 0.75"
plate: Fy= 50 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.375" fillet

Pole Data

50" x 0.625" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_t = 198.01	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.8	ϕVn = 149.1	**77.4%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary		
Max Stress (ksi):	34.84	(Roark's Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**73.7%**	**Pass**

Stiffener Summary		
Horizontal Weld:	**49.7%**	**Pass**
Vertical Weld:	**42.9%**	**Pass**
Plate Flexure+Shear:	**12.2%**	**Pass**
Plate Tension+Shear:	**50.0%**	**Pass**
Plate Compression:	**51.1%**	**Pass**

Pole Summary		
Punching Shear:	**7.0%**	**Pass**

Pier and Pad Foundation

BU # :	876375
Site Name:	CANTERBURY / LE
App. Number:	583562 Rev 0

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	☑
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	59.36	kips
Base Shear, Vu_comp:	28.7	kips
Moment, M_u:	4036.7	ft-kips
Tower Height, **H**:	180.5	ft
BP Dist. Above Fdn, bp_{dist}:	3.875	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	6.5	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	39	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	4	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	5	ft
Pad Width, W_1:	24.5	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2}:	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2}:	28	
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	42	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	113	pcf
Ultimate Net Bearing, Qnet:	60.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	31	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:	0.45	
Neglected Depth, **N**:	3.25	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	187.98	28.70	**14.5%**	**Pass**
Bearing Pressure (ksf)	45.42	3.75	**8.2%**	**Pass**
*Overturning (kip*ft)*	5174.15	4218.17	**81.5%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	4666.69	4122.80	**84.1%**	**Pass**
Pier Compression (kip)	26891.28	82.18	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	4554.58	2255.24	**47.2%**	**Pass**
Pad Shear - 1-way (kips)	878.58	323.07	**35.0%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	4800.18	2473.68	**49.1%**	**Pass**

**Rating per TIA-222-H Section 15.5*

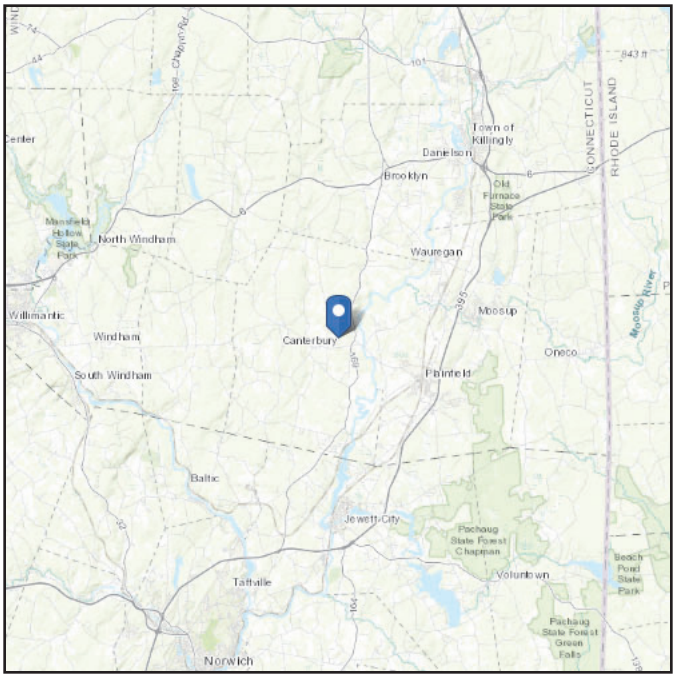
Structural Rating*:	**84.1%**
Soil Rating*:	**81.5%**

Version 4.1.1

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Elevation:**	338.74 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.701986
Soil Class:	C - Very Dense Soil and Soft Rock	**Longitude:**	-71.980586



Wind

Results:

Wind Speed:	123 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	95 Vmph
100-year MRI	100 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Wed Sep 08 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 7-16 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 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

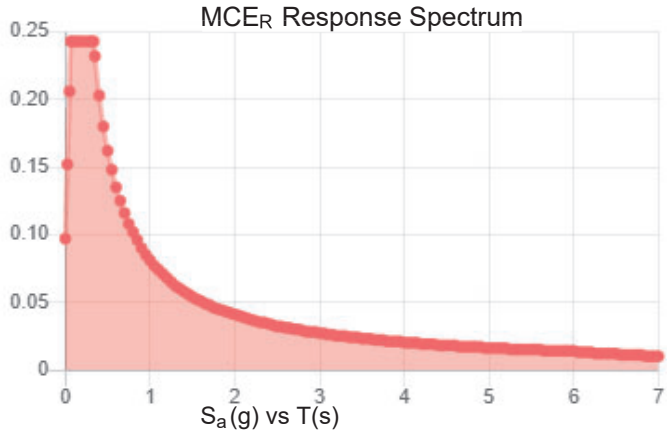
Seismic

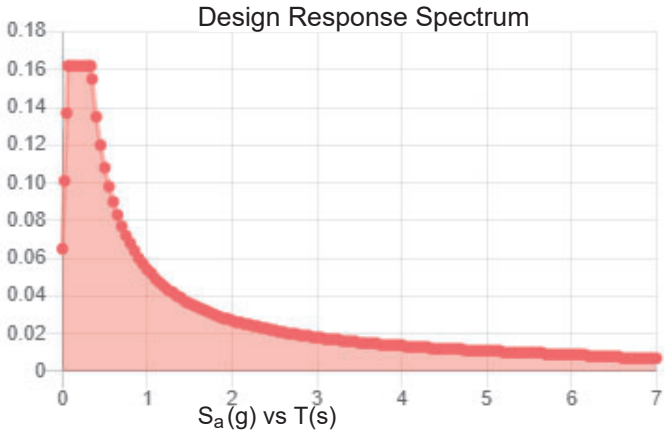
Site Soil Class: C - Very Dense Soil and Soft Rock

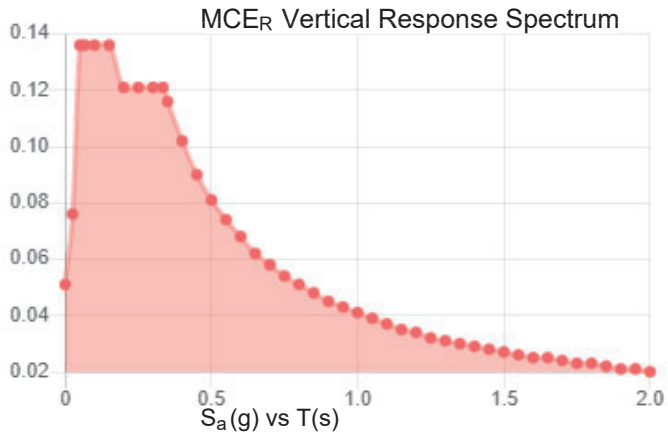
Results:

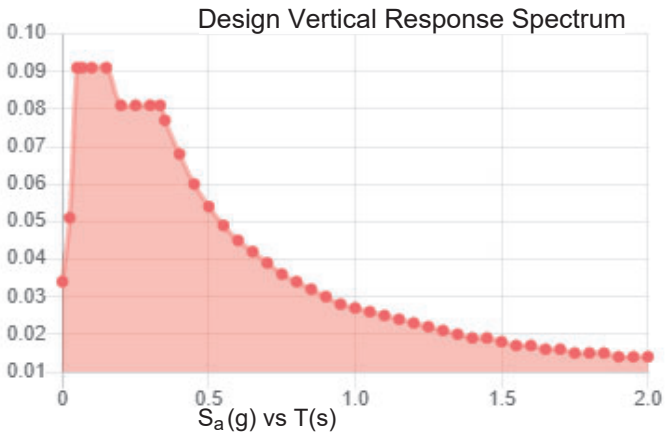
S_S :	0.187	S_{D1} :	0.054
S_1 :	0.054	T_L :	6
F_a :	1.3	PGA :	0.101
F_v :	1.5	PGA_M :	0.132
S_{MS} :	0.243	F_{PGA} :	1.299
S_{M1} :	0.081	I_e :	1
S_{DS} :	0.162	C_v :	0.7

Seismic Design Category A









Data Accessed: Wed Sep 08 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Sep 08 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 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Exhibit E

Mount Analysis

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10094135
Maser Consulting Connecticut Project #: 21777308A

August 13, 2021

Site Information	*Site ID:*	*468760-VZW / CANTERBURY CT*
	Site Name:	*CANTERBURY CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*53 Westminster Rd* *Canterbury, Connecticut 06331* *Windham County*
	Latitude:	*41.701986°*
	Longitude:	*-71.980586°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.58-Ft Platform*

FUZE ID # 16272087

Analysis Results

Platform: **37.3% 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: Andy Hanes

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 1315031, dated July 27, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: PLSC:468760, dated March 27, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777308A, dated August 5, 2021*
Modification Drawings	*Maser Consulting Connecticut, Project #: 21777308A, dated August 13, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	123 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.988
Seismic Parameters:	S_S:	0.187
	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
169.00	170.00	3	Amphenol Antel	BXA-171063-12BF-EDIN-2	Retained
		6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection Check	37.3 %	Pass
Standoff Horizontal	34.4 %	Pass
Platform Cross Member	16.0 %	Pass
Prop Mount Pipe	26.3 %	Pass
Mount Pipe	31.6 %	Pass
Grating Support	16.0 %	Pass
Face Horizontal	13.1 %	Pass
Cross Arm Plate	31.0 %	Pass
Corner Plate	19.5 %	Pass
Mod Support Rail	16.0 %	Pass
Mod Support Rail Corner Angle	28.8 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**37.3%**

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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

Attachments:

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


03/27/2021 13:20:27
-71.96847497222223, 41.69637097222222
CANTERBURY CT


03/27/2021 11:35:38
-71.98681, 41.702269
CANTERBURY CT

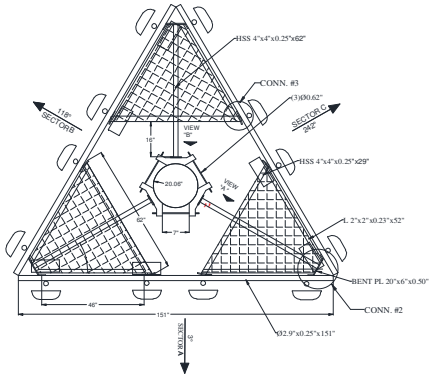
V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

Tower Owner:	CCI	**Mapping Date:**	03/27/2021
Site Name:	CCI: Canterbury/Lemire, VZW: CANTERBURY CT	**Tower Type:**	Monopole
Site Number or ID:	PSLC: 468760	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	171.7



Overall Mount Schematic

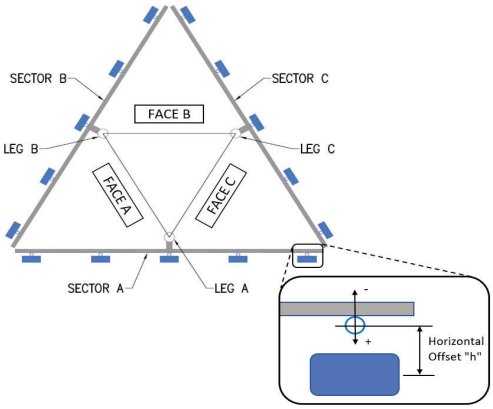
Mount Pipe Configuration and Geometries [Unit = Inches]

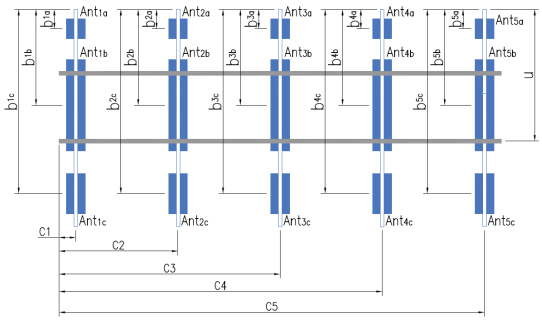
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE Ø 2.39"x0.16"x84"	54.00	6.50	C1	PIPE Ø 2.39"x0.16"x84"	54.00	6.50
A2	PIPE Ø 2.39"x0.16"x84"	54.00	52.50	C2	PIPE Ø 2.39"x0.16"x84"	54.00	52.50
A3	PIPE Ø 2.39"x0.16"x84"	55.00	101.00	C3	PIPE Ø 2.39"x0.16"x84"	55.00	101.00
A4	PIPE Ø 2.39"x0.16"x84"	54.00	148.00	C4	PIPE Ø 2.39"x0.16"x84"	54.00	148.00
A5				C5			
A6				C6			
B1	PIPE Ø 2.39"x0.16"x84"	54.00	6.50	D1			
B2	PIPE Ø 2.39"x0.16"x84"	54.00	52.50	D2			
B3	PIPE Ø 2.39"x0.16"x84"	55.00	101.00	D3			
B4	PIPE Ø 2.39"x0.16"x84"	54.00	148.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	6
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	9.75

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	20.06



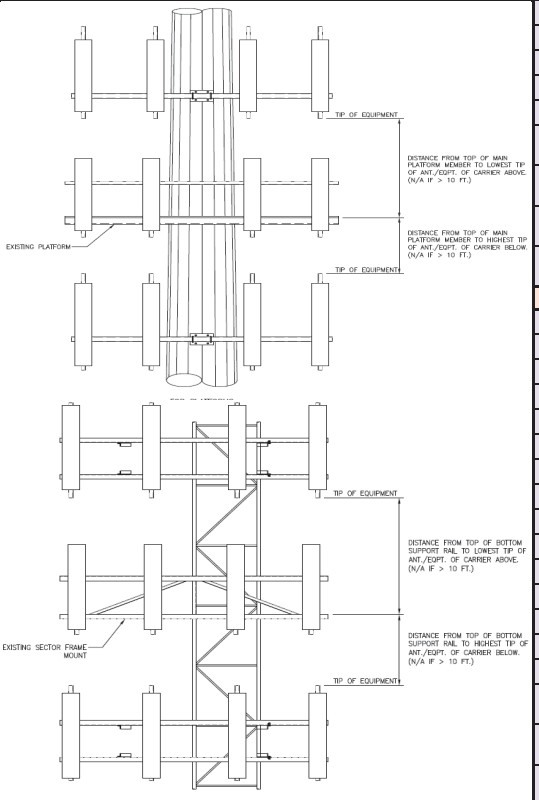


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	BXA700636CFEDIN4	11.30	6.00	71.00		172.283	47.00	8.50	3.00	11,12
Ant_{1c}										
Ant_{2a}	BXA17106312CFEDIN	6.10	4.10	72.50		172.492	44.50	7.50	3.00	13,14
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA17106312CFEDIN	6.10	4.10	72.50		172.408	46.50	7.50	3.00	5,6
Ant_{3b}	9442 RRH2x40-AWS	10.63	6.70	24.40		174.075	26.50	6.50		7
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA700636CFEDIN4	11.30	6.00	71.00		172.033	50.00	9.00	3.00	8,9
Ant_{4c}	700MRRH	10.00	8.00	25.00		173.617	31.00	8.00		10
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.73	10.30	28.93						229
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	3.00	Deg	Leg A:		Deg
Sector B:	118.00	Deg	Leg B:		Deg
Sector C:	242.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	63.00	Deg	Other
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	BXA700636CFEDIN4	11.30	6.00	71.00		172.283	47.00	8.50	118.00	11,12
Ant_{1c}										
Ant_{2a}	BXA17106312CFEDIN	6.10	4.10	72.50		172.492	44.50	7.50	118.00	13,14
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA17106312CFEDIN	6.10	4.10	72.50		172.408	46.50	7.50	118.00	5,6
Ant_{3b}	9442 RRH2x40-AWS	10.63	6.70	24.40		174.075	26.50	6.50		7
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA700636CFEDIN4	11.30	6.00	71.00		172.033	50.00	9.00	118.00	8,9
Ant_{4c}	700MRRH	10.00	8.00	25.00		173.617	31.00	8.00		10
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.73	10.30	28.93						230
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	BXA700636CFEDIN4	11.30	6.00	71.00		172.283	47.00	8.50	242.00	11,12
Ant_{1c}										
Ant_{2a}	BXA17106312CFEDIN	6.10	4.10	72.50		172.492	44.50	7.50	242.00	13,14
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA17106312CFEDIN	6.10	4.10	72.50		172.408	46.50	7.50	242.00	5,6
Ant_{3b}	9442 RRH2x40-AWS	10.63	6.70	24.40		174.075	26.50	6.50		7
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA700636CFEDIN4	11.30	6.00	71.00		172.033	50.00	9.00	242.00	8,9
Ant_{4c}	700MRRH	10.00	8.00	25.00		173.617	31.00	8.00		10
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
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.

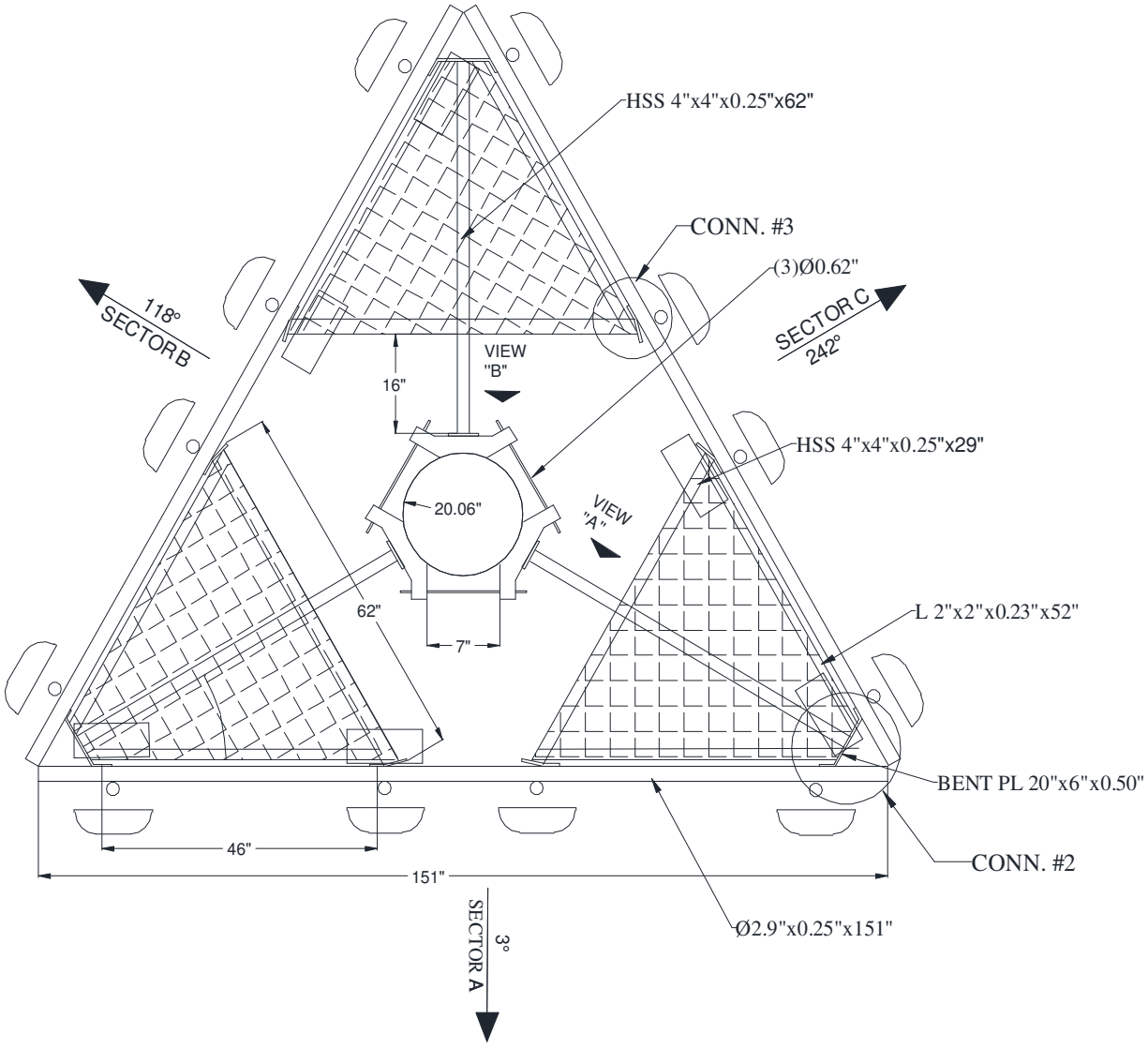
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

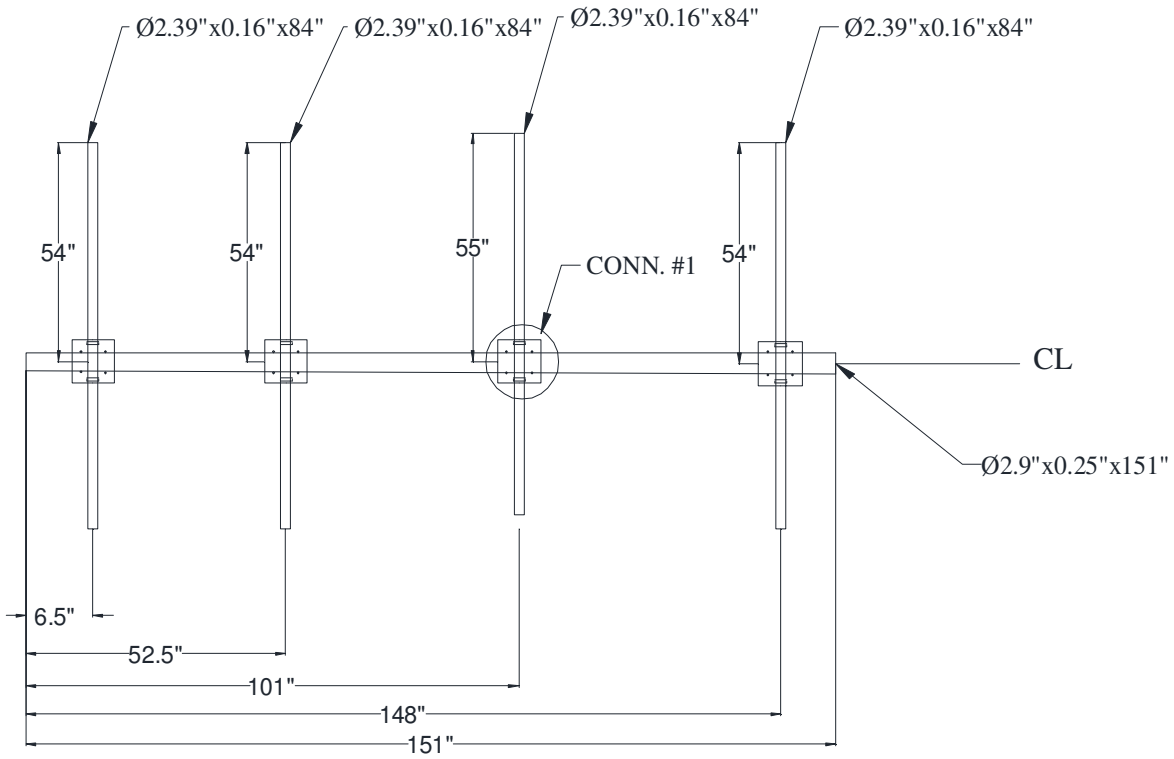
Tower Owner:	CCI	**Mapping Date:**	03/27/2021
Site Name:	CCI: Canterbury/Lemire, VZW: CANTERBURY CT	**Tower Type:**	Monopole
Site Number or ID:	PSLC: 468760	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	171.7

Please Insert Sketches of the Antenna Mount



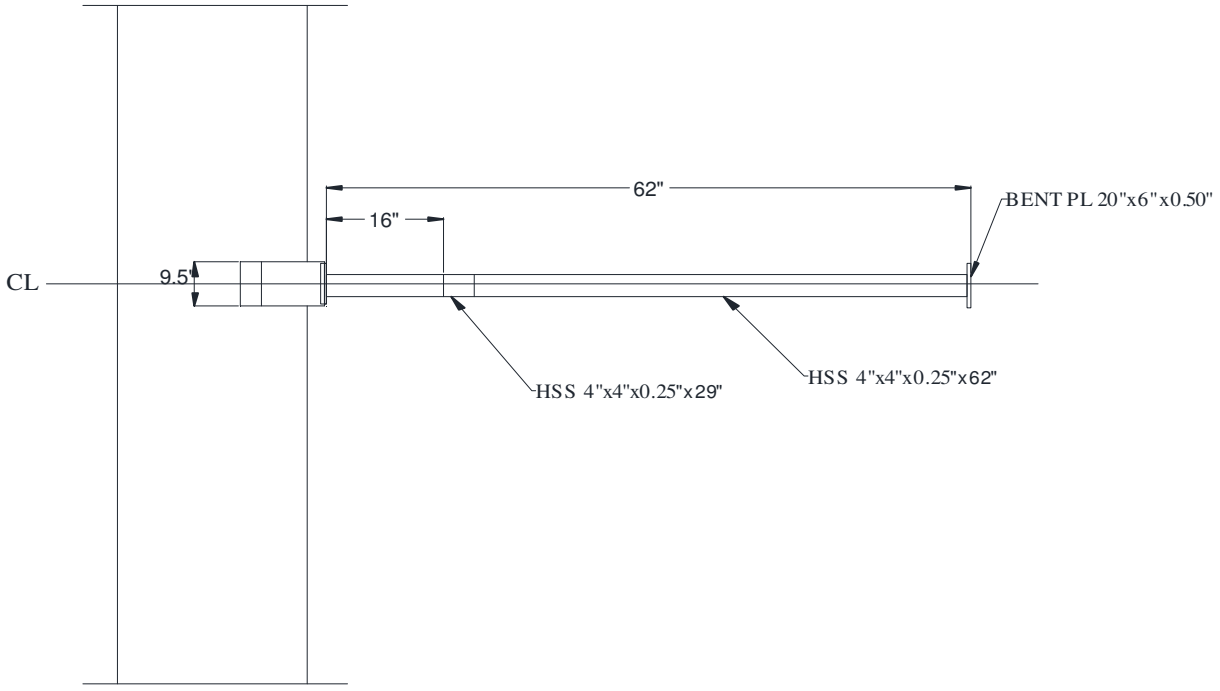
Overall Mount Schematic

Please Insert Sketches of the Antenna Mount, cont'd

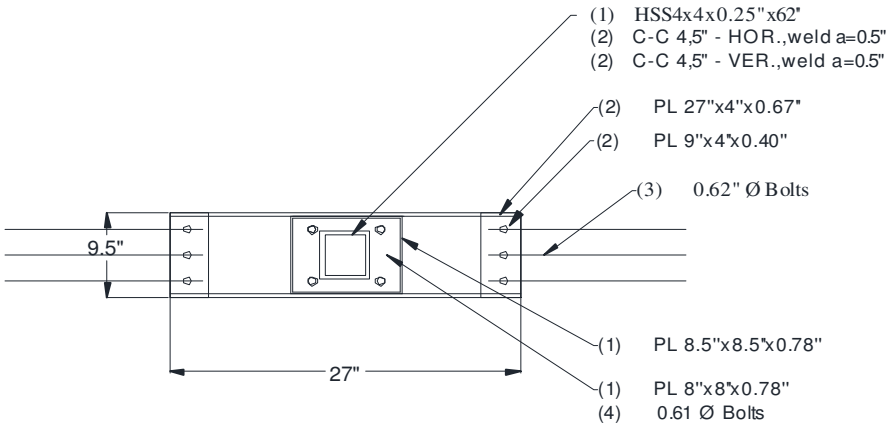


SECTOR A, B, C

Please Insert Sketches of the Antenna Mount, cont'd

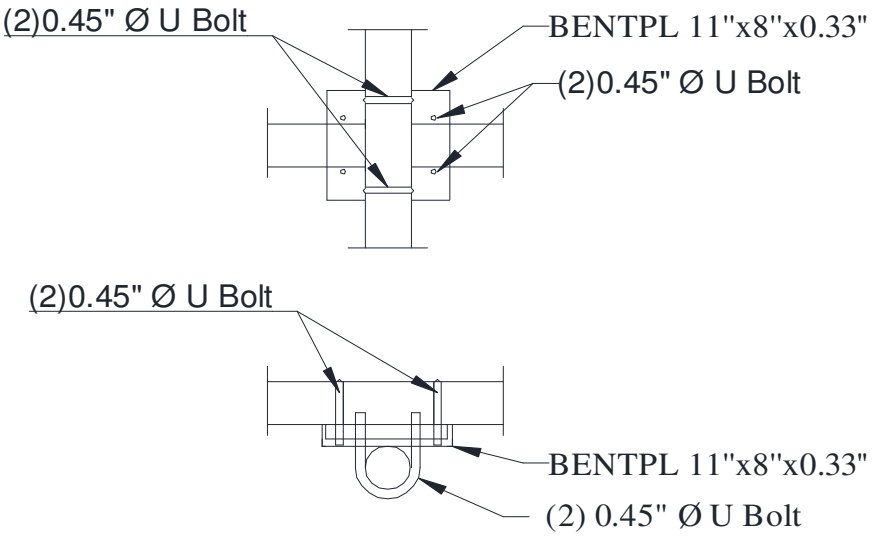


VIEW "A"

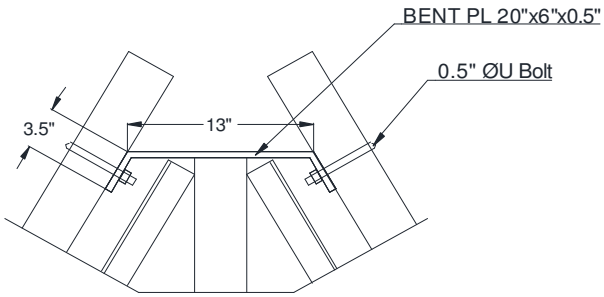


VIEW "B"

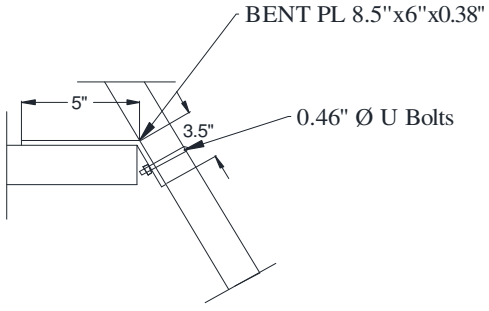
Please Insert Sketches of the Antenna Mount, cont'd



CONN. #1

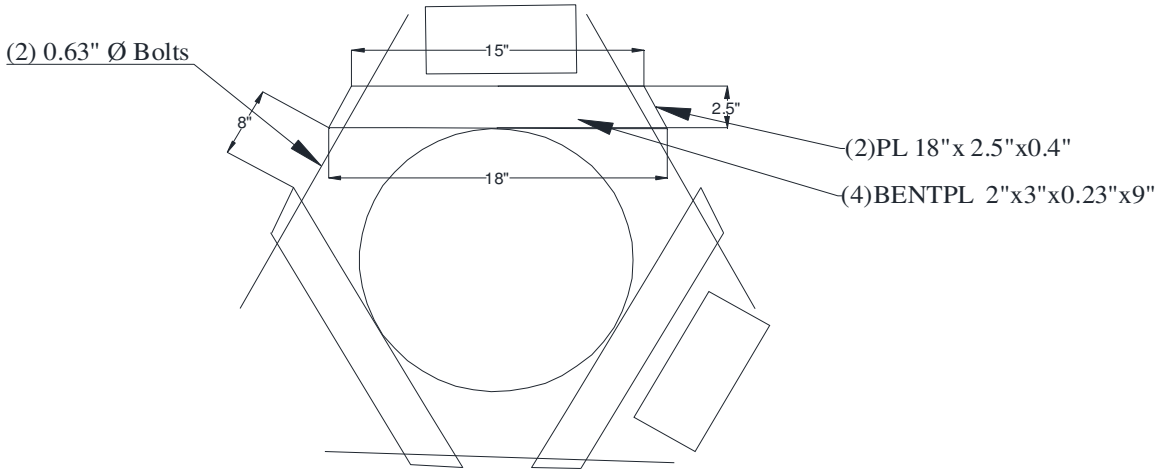


CONN. #2

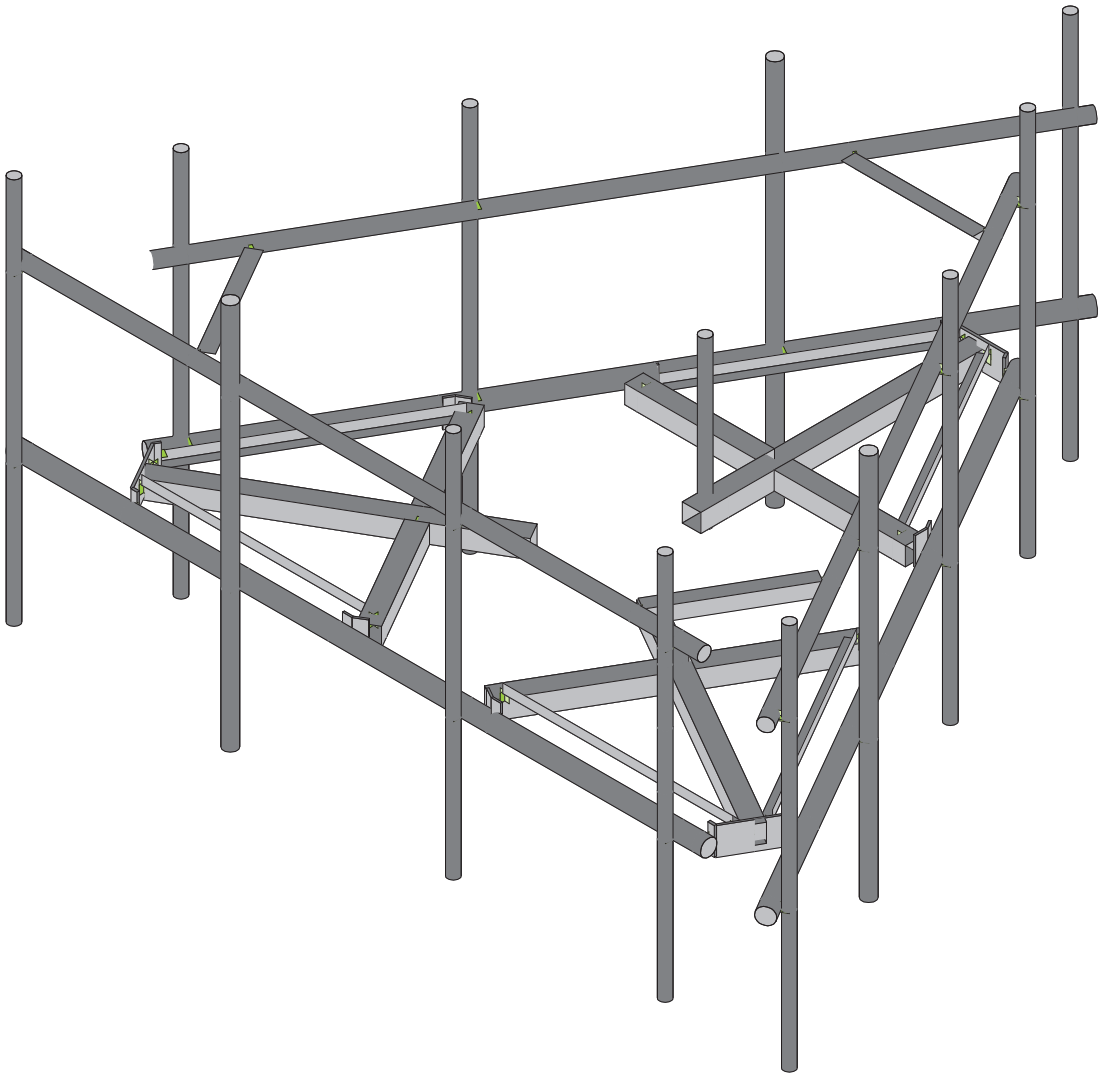


CONN. #3

Please Insert Sketches of the Antenna Mount, cont'd



SQUID PLAN VIEW



Envelope Only Solution

Maser Consulting	468760-VZW_MT_LO_H	SK - 1
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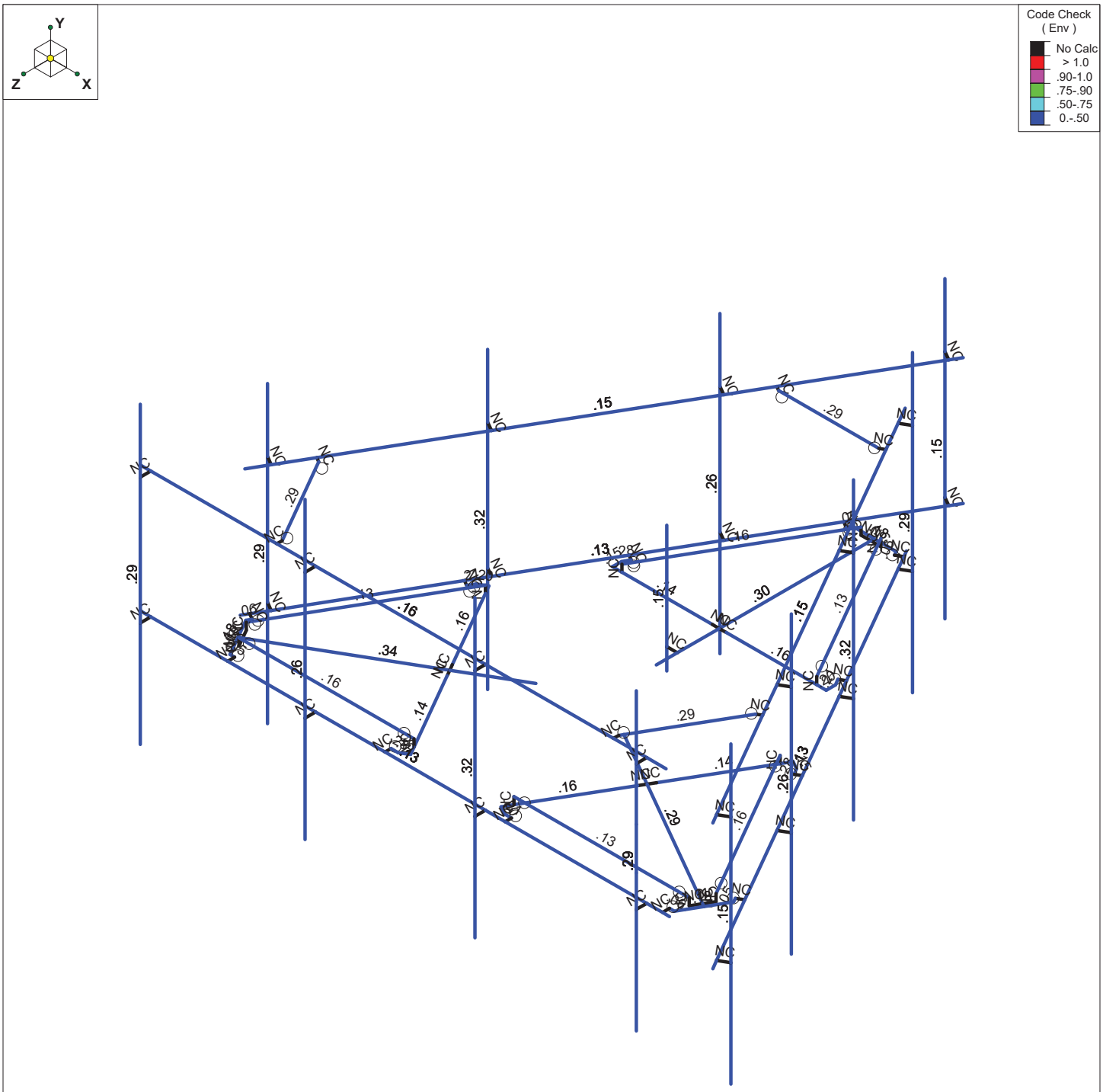
		468760-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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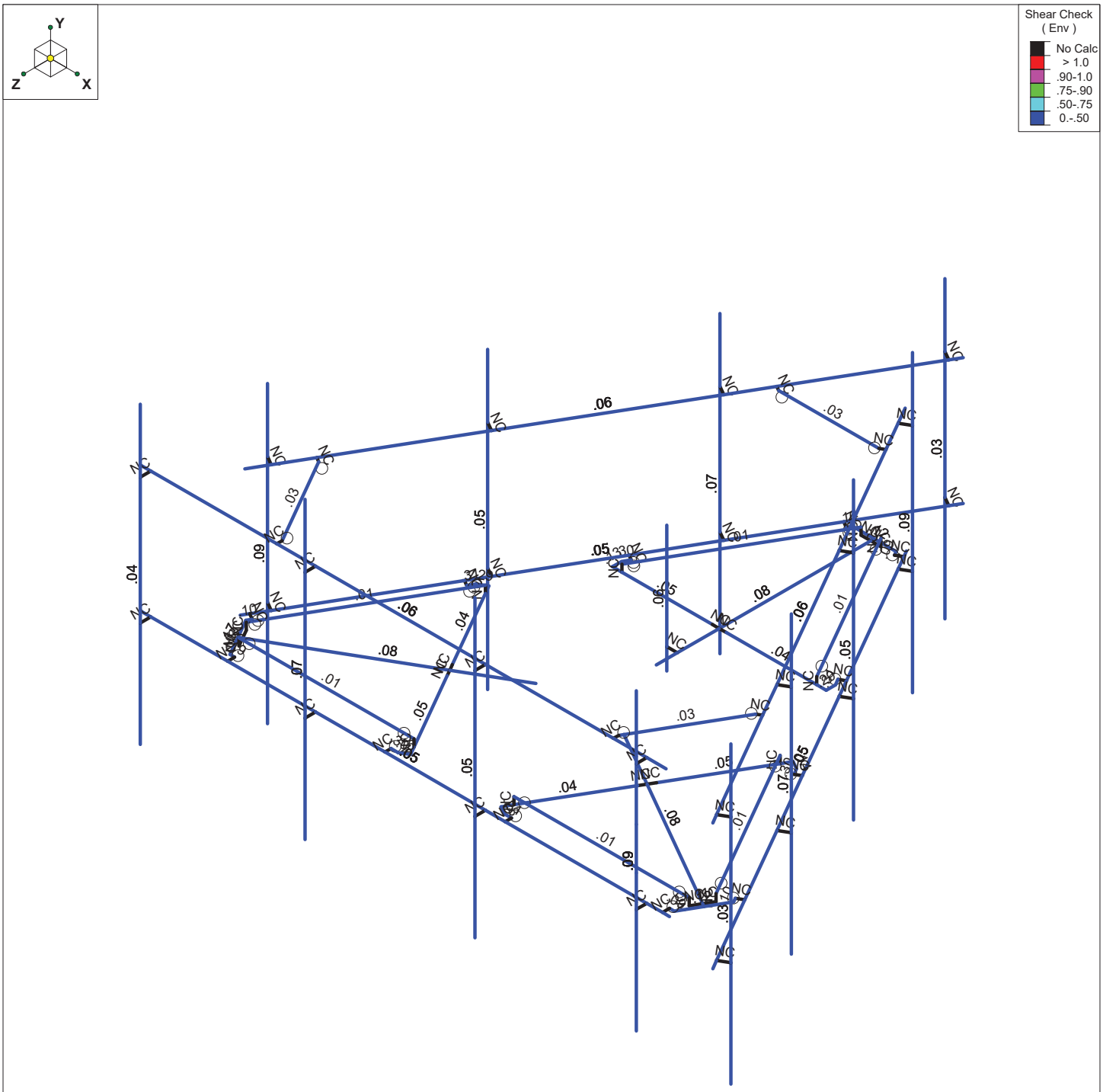

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468760-VZW_MT_LO_H	SK - 3
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Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 D...	None						116		
46	Structure Wo (150 D...	None						116		
47	Structure Wo (180 D...	None						116		
48	Structure Wo (210 D...	None						116		
49	Structure Wo (240 D...	None						116		
50	Structure Wo (270 D...	None						116		
51	Structure Wo (300 D...	None						116		
52	Structure Wo (330 D...	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Basic Load Cases (Continued)

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

Load Combinations

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

Load Combinations (Continued)

	Description	Sol...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
27	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1...		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	5.335825	0	3.810523	0	
2	N2	-7.247508	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	4.794158	0	3.810523	0	
8	N9	4.794158	0	4.060523	0	
9	N10	-6.997508	0	3.810523	0	
10	N11	-6.997508	0	4.060523	0	
11	N12	0.960825	0	3.810523	0	
12	N13	0.960825	0	4.060523	0	
13	N14	-3.080842	0	3.810523	0	
14	N15	-3.080842	0	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N16	-3.080842	-2.5	4.060523	0	
16	N17	-3.080842	4.5	4.060523	0	
17	N18	-6.997508	-2.5	4.060523	0	
18	N19	-6.997508	4.5	4.060523	0	
19	N20	0.960825	-2.5	4.060523	0	
20	N21	0.960825	4.5	4.060523	0	
21	N22	4.794158	-2.5	4.060523	0	
22	N23	4.794158	4.5	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N87D	-1.046447	0	0.604167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N111	-5.583904	0.166667	2.953394	0	
73	N112	-5.583904	0	2.953394	0	
74	N113	-5.349667	0.166667	3.359106	0	
75	N114	-5.349667	0	3.359106	0	
76	N115	1.046447	0	0.604167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.349667	0.166667	3.359106	0	
101	N140	5.349667	0	3.359106	0	
102	N141	5.583904	0.166667	2.953394	0	
103	N142	5.583904	0	2.953394	0	
104	N104B	0.632097	0	-6.526222	0	
105	N105B	6.923764	0	4.371265	0	
106	N106A	0.902931	0	-6.057125	0	
107	N107A	1.119437	0	-6.182125	0	
108	N108A	6.798764	0	4.154758	0	
109	N109A	7.01527	0	4.029758	0	
110	N110A	2.819597	0	-2.73736	0	
111	N111A	3.036104	0	-2.86236	0	
112	N112A	4.840431	0	0.762826	0	
113	N113A	5.056937	0	0.637826	0	
114	N114A	5.056937	-2.5	0.637826	0	
115	N115A	5.056937	4.5	0.637826	0	
116	N116A	7.01527	-2.5	4.029758	0	
117	N117A	7.01527	4.5	4.029758	0	
118	N118A	3.036104	-2.5	-2.86236	0	
119	N119A	3.036104	4.5	-2.86236	0	
120	N120A	1.119437	-2.5	-6.182125	0	
121	N121A	1.119437	4.5	-6.182125	0	
122	N140A	-5.967922	0	2.715698	0	
123	N141A	0.323744	0	-8.181788	0	
124	N142A	-5.697089	0	2.246601	0	
125	N143	-5.913595	0	2.121601	0	
126	N144A	0.198744	0	-7.965282	0	
127	N145	-0.017762	0	-8.090282	0	
128	N146	-3.780422	0	-1.073163	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N147	-3.996929	0	-1.198163	0	
130	N148A	-1.759589	0	-4.573349	0	
131	N149	-1.976095	0	-4.698349	0	
132	N150	-1.976095	-2.5	-4.698349	0	
133	N151	-1.976095	4.5	-4.698349	0	
134	N152	-0.017762	-2.5	-8.090282	0	
135	N153	-0.017762	4.5	-8.090282	0	
136	N154	-3.996929	-2.5	-1.198163	0	
137	N155	-3.996929	4.5	-1.198163	0	
138	N156	-5.913595	-2.5	2.121601	0	
139	N157	-5.913595	4.5	2.121601	0	
140	N140B	0	0	-1.708333	0	
141	N141B	-.25	0	-1.708333	0	
142	N142B	-.25	2.5	-1.708333	0	
143	N143A	-.25	-.5	-1.708333	0	
144	ANTENNA_CL	4.794158	.75	4.060523	0	
145	N145A	4.794158	2.75	4.060523	0	
146	N146A	4.794158	1.75	4.060523	0	
147	N147A	5.252492	3	3.810523	0	
148	N148B	-7.247508	3	3.810523	0	
149	N149A	4.794158	3	3.810523	0	
150	N150A	4.794158	3	4.060523	0	
151	N151A	-6.997508	3	3.810523	0	
152	N152A	-6.997508	3	4.060523	0	
153	N153A	0.960825	3	3.810523	0	
154	N154A	0.960825	3	4.060523	0	
155	N155A	-3.080842	3	3.810523	0	
156	N156A	-3.080842	3	4.060523	0	
157	N158	0.673764	3	-6.454053	0	
158	N159	6.923764	3	4.371265	0	
159	N160	0.902931	3	-6.057125	0	
160	N161	1.119437	3	-6.182125	0	
161	N162	6.798764	3	4.154758	0	
162	N163	7.01527	3	4.029758	0	
163	N164	2.819597	3	-2.73736	0	
164	N165	3.036104	3	-2.86236	0	
165	N166	4.840431	3	0.762826	0	
166	N167	5.056937	3	0.637826	0	
167	N169	-5.926256	3	2.64353	0	
168	N170	0.323744	3	-8.181788	0	
169	N171	-5.697089	3	2.246601	0	
170	N172	-5.913595	3	2.121601	0	
171	N173	0.198744	3	-7.965282	0	
172	N174	-0.017762	3	-8.090282	0	
173	N175	-3.780422	3	-1.073163	0	
174	N176	-3.996929	3	-1.198163	0	
175	N177	-1.759589	3	-4.573349	0	
176	N178	-1.976095	3	-4.698349	0	
177	N177A	4.002492	3	3.810523	0	
178	N178A	4.002492	3	3.685523	0	
179	N179	-4.002492	3	3.810523	0	
180	N180	-4.002492	3	3.685523	0	
181	N181	1.298764	3	-5.371521	0	
182	N182	1.190511	3	-5.309021	0	
183	N183	5.301256	3	1.560998	0	
184	N184	5.193003	3	1.623498	0	
185	N185	-5.301256	3	1.560998	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	-5.193003	3	1.623498	0	
187	N187	-1.298764	3	-5.371521	0	
188	N188	-1.190511	3	-5.309021	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizon...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cross ...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Prop Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Mod Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Mod Support Rail...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	M35A	N7	N30			RIGID	None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	None	None	RIGID	Typical
10	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
11	M58	N102	N24			RIGID	None	None	RIGID	Typical
12	M59	N24	N103A			RIGID	None	None	RIGID	Typical
13	M79	N131	N86A			RIGID	None	None	RIGID	Typical
14	M83	N135	N86D			RIGID	None	None	RIGID	Typical
15	M88	N144	N86B			RIGID	None	None	RIGID	Typical
16	M92	N148	N86E			RIGID	None	None	RIGID	Typical
17	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
18	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
19	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
20	M56	N90	N94			RIGID	None	None	RIGID	Typical
21	M57	N89	N93			RIGID	None	None	RIGID	Typical
22	M60	N113	N114			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	M61	N96	N91			RIGID	None	None	RIGID	Typical
24	M62	N91	N97			RIGID	None	None	RIGID	Typical
25	M65	N100	N104			RIGID	None	None	RIGID	Typical
26	M67	N101A	N108			RIGID	None	None	RIGID	Typical
27	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
28	M72	N103	N109			RIGID	None	None	RIGID	Typical
29	M73	N114	N110			RIGID	None	None	RIGID	Typical
30	M74	N110	N112			RIGID	None	None	RIGID	Typical
31	M75	N111	N112			RIGID	None	None	RIGID	Typical
32	M80A	N118	N122			RIGID	None	None	RIGID	Typical
33	M81	N117	N121			RIGID	None	None	RIGID	Typical
34	M84A	N141	N142			RIGID	None	None	RIGID	Typical
35	M85A	N124	N119			RIGID	None	None	RIGID	Typical
36	M86	N119	N125			RIGID	None	None	RIGID	Typical
37	M89	N128	N132			RIGID	None	None	RIGID	Typical
38	M91A	N129	N136			RIGID	None	None	RIGID	Typical
39	M94	N130	N133			RIGID	None	None	RIGID	Typical
40	M96	N131A	N137			RIGID	None	None	RIGID	Typical
41	M97	N142	N138			RIGID	None	None	RIGID	Typical
42	M98	N138	N140			RIGID	None	None	RIGID	Typical
43	M99	N139	N140			RIGID	None	None	RIGID	Typical
44	M83B	N106A	N107A			RIGID	None	None	RIGID	Typical
45	M84B	N108A	N109A			RIGID	None	None	RIGID	Typical
46	M85B	N110A	N111A			RIGID	None	None	RIGID	Typical
47	M86A	N112A	N113A			RIGID	None	None	RIGID	Typical
48	M101	N142A	N143			RIGID	None	None	RIGID	Typical
49	M102	N144A	N145			RIGID	None	None	RIGID	Typical
50	M103	N146	N147			RIGID	None	None	RIGID	Typical
51	M104	N148A	N149			RIGID	None	None	RIGID	Typical
52	M100A	N140B	N141B			RIGID	None	None	RIGID	Typical
53	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
54	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
55	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
56	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
57	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
58	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
59	MP3A	N17	N16			Prop Mount Pi...	Column	Pipe	A53 Gr.B	Typical
60	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
61	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
62	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	MP3C	N115A	N114A			Prop Mount Pi...	Column	Pipe	A53 Gr.B	Typical
64	MP4C	N117A	N116A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
65	MP2C	N119A	N118A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
66	MP1C	N121A	N120A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
67	MP3B	N151	N150			Prop Mount Pi...	Column	Pipe	A53 Gr.B	Typical
68	MP4B	N153	N152			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
69	MP2B	N155	N154			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
70	MP1B	N157	N156			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
71	OVP1	N142B	N143A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
72	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
73	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
74	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
75	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
76	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
77	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
78	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
79	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
80	M100	N140A	N141A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
81	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
82	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
83	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
84	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
85	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
86	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
87	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
88	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
89	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
90	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
91	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
92	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
93	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
94	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
95	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
96	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
97	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
98	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
99	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
100	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
101	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
102	M102A	N149A	N150A			RIGID	None	None	RIGID	Typical
103	M103A	N151A	N152A			RIGID	None	None	RIGID	Typical
104	M104A	N153A	N154A			RIGID	None	None	RIGID	Typical
105	M105	N155A	N156A			RIGID	None	None	RIGID	Typical
106	M106	N147A	N148B			Mod Support ...	Beam	Pipe	A53 Gr.B	Typical
107	M107	N160	N161			RIGID	None	None	RIGID	Typical
108	M108	N162	N163			RIGID	None	None	RIGID	Typical
109	M109	N164	N165			RIGID	None	None	RIGID	Typical
110	M110	N166	N167			RIGID	None	None	RIGID	Typical
111	M111	N158	N159			Mod Support ...	Beam	Pipe	A53 Gr.B	Typical
112	M112	N171	N172			RIGID	None	None	RIGID	Typical
113	M113	N173	N174			RIGID	None	None	RIGID	Typical
114	M114	N175	N176			RIGID	None	None	RIGID	Typical
115	M115	N177	N178			RIGID	None	None	RIGID	Typical
116	M116	N169	N170			Mod Support ...	Beam	Pipe	A53 Gr.B	Typical
117	M117	N177A	N178A			RIGID	None	None	RIGID	Typical
118	M118	N179	N180			RIGID	None	None	RIGID	Typical
119	M119	N181	N182			RIGID	None	None	RIGID	Typical
120	M120	N183	N184			RIGID	None	None	RIGID	Typical
121	M121	N185	N186			RIGID	None	None	RIGID	Typical
122	M122	N187	N188			RIGID	None	None	RIGID	Typical
123	M123	N178A	N184		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N182	N188		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N186	N180		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M52A						Yes				None
3	M76A						Yes				None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						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...
7	M22						Yes	** NA **			None
8	M35A						Yes	** NA **			None
9	M36A						Yes	** NA **			None
10	M52						Yes	** NA **			None
11	M58						Yes	** NA **			None
12	M59						Yes	** NA **			None
13	M79		BenPIN				Yes	** NA **			None
14	M83		BenPIN				Yes	** NA **			None
15	M88		BenPIN				Yes	** NA **			None
16	M92		BenPIN				Yes	** NA **			None
17	M50						Yes	** NA **			None
18	M51						Yes	** NA **			None
19	M51A						Yes	** NA **			None
20	M56						Yes	** NA **			None
21	M57						Yes	** NA **			None
22	M60						Yes	** NA **			None
23	M61						Yes	** NA **			None
24	M62						Yes	** NA **			None
25	M65		BenPIN				Yes	** NA **			None
26	M67		BenPIN				Yes	** NA **			None
27	M70		BenPIN				Yes	** NA **			None
28	M72		BenPIN				Yes	** NA **			None
29	M73						Yes	** NA **			None
30	M74						Yes	** NA **			None
31	M75						Yes	** NA **			None
32	M80A						Yes	** NA **			None
33	M81						Yes	** NA **			None
34	M84A						Yes	** NA **			None
35	M85A						Yes	** NA **			None
36	M86						Yes	** NA **			None
37	M89		BenPIN				Yes	** NA **			None
38	M91A		BenPIN				Yes	** NA **			None
39	M94		BenPIN				Yes	** NA **			None
40	M96		BenPIN				Yes	** NA **			None
41	M97						Yes	** NA **			None
42	M98						Yes	** NA **			None
43	M99						Yes	** NA **			None
44	M83B						Yes	** NA **			None
45	M84B						Yes	** NA **			None
46	M85B						Yes	** NA **			None
47	M86A						Yes	** NA **			None
48	M101						Yes	** NA **			None
49	M102						Yes	** NA **			None
50	M103						Yes	** NA **			None
51	M104						Yes	** NA **			None
52	M100A						Yes	** NA **			None
53	M10						Yes	Default			None
54	M43						Yes	Default			None
55	M53						Yes	Default			None
56	M54						Yes	Default			None
57	M77A						Yes	Default			None
58	M78						Yes	Default			None
59	MP3A						Yes	** NA **			None
60	MP4A						Yes	** NA **			None
61	MP2A						Yes	** NA **			None
62	MP1A						Yes	** NA **			None
63	MP3C						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...
64	MP4C						Yes	** NA **			None
65	MP2C						Yes	** NA **			None
66	MP1C						Yes	** NA **			None
67	MP3B						Yes	** NA **			None
68	MP4B						Yes	** NA **			None
69	MP2B						Yes	** NA **			None
70	MP1B						Yes	** NA **			None
71	OVP1						Yes	** NA **			None
72	M51B	OOOOOX	OOOOOX				Yes	Default			None
73	M52B	OOOOOX	OOOOOX				Yes	Default			None
74	M58A	OOOOOX	OOOOOX				Yes	Default			None
75	M59A	OOOOOX	OOOOOX				Yes	Default			None
76	M82	OOOOOX	OOOOOX				Yes	Default			None
77	M83A	OOOOOX	OOOOOX				Yes	Default			None
78	M1						Yes	Default			None
79	M82A						Yes	Default			None
80	M100						Yes	Default			None
81	M76						Yes	** NA **			None
82	M77						Yes	** NA **			None
83	M84						Yes	** NA **			None
84	M85						Yes	** NA **			None
85	M63						Yes	** NA **			None
86	M64						Yes	** NA **			None
87	M68						Yes	** NA **			None
88	M69						Yes	** NA **			None
89	M87						Yes	** NA **			None
90	M88A						Yes	** NA **			None
91	M92A						Yes	** NA **			None
92	M93						Yes	** NA **			None
93	M46						Yes	Default			None
94	M80						Yes				None
95	M91						Yes				None
96	M55						Yes	Default			None
97	M66						Yes				None
98	M71						Yes				None
99	M79A						Yes	Default			None
100	M90						Yes				None
101	M95						Yes				None
102	M102A						Yes	** NA **			None
103	M103A						Yes	** NA **			None
104	M104A						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	Default			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	Default			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	Default			None
117	M117	OOOOOX					Yes	** NA **			None
118	M118	OOOOOX					Yes	** NA **			None
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
121	M121	OOOOOX					Yes	** NA **			None
122	M122	OOOOOX					Yes	** NA **			None
123	M123						Yes	Default			None
124	M124						Yes	Default			None
125	M125						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-7.5	.75
2	MP2A	My	-.003	.75
3	MP2A	Mz	0	.75
4	MP2A	Y	-7.5	6.5
5	MP2A	My	-.003	6.5
6	MP2A	Mz	0	6.5
7	MP2B	Y	-7.5	.75
8	MP2B	My	.001	.75
9	MP2B	Mz	-.002	.75
10	MP2B	Y	-7.5	6.5
11	MP2B	My	.001	6.5
12	MP2B	Mz	-.002	6.5
13	MP2C	Y	-7.5	.75
14	MP2C	My	.001	.75
15	MP2C	Mz	.002	.75
16	MP2C	Y	-7.5	6.5
17	MP2C	My	.001	6.5
18	MP2C	Mz	.002	6.5
19	MP3A	Y	-21.85	1.5
20	MP3A	My	-.011	1.5
21	MP3A	Mz	.015	1.5
22	MP3A	Y	-21.85	5.75
23	MP3A	My	-.011	5.75
24	MP3A	Mz	.015	5.75
25	MP3B	Y	-21.85	1.5
26	MP3B	My	-.007	1.5
27	MP3B	Mz	-.017	1.5
28	MP3B	Y	-21.85	5.75
29	MP3B	My	-.007	5.75
30	MP3B	Mz	-.017	5.75
31	MP3C	Y	-21.85	1.5
32	MP3C	My	.018	1.5
33	MP3C	Mz	.002	1.5
34	MP3C	Y	-21.85	5.75
35	MP3C	My	.018	5.75
36	MP3C	Mz	.002	5.75
37	MP3A	Y	-21.85	1.5
38	MP3A	My	-.011	1.5
39	MP3A	Mz	-.015	1.5
40	MP3A	Y	-21.85	5.75
41	MP3A	My	-.011	5.75
42	MP3A	Mz	-.015	5.75
43	MP3B	Y	-21.85	1.5
44	MP3B	My	.018	1.5
45	MP3B	Mz	-.002	1.5
46	MP3B	Y	-21.85	5.75
47	MP3B	My	.018	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mz	-.002	5.75
49	MP3C	Y	-21.85	1.5
50	MP3C	My	-.007	1.5
51	MP3C	Mz	.017	1.5
52	MP3C	Y	-21.85	5.75
53	MP3C	My	-.007	5.75
54	MP3C	Mz	.017	5.75
55	MP4A	Y	-43.55	2.75
56	MP4A	My	-.022	2.75
57	MP4A	Mz	0	2.75
58	MP4A	Y	-43.55	4.5
59	MP4A	My	-.022	4.5
60	MP4A	Mz	0	4.5
61	MP4B	Y	-43.55	2.75
62	MP4B	My	.011	2.75
63	MP4B	Mz	-.019	2.75
64	MP4B	Y	-43.55	4.5
65	MP4B	My	.011	4.5
66	MP4B	Mz	-.019	4.5
67	MP4C	Y	-43.55	2.75
68	MP4C	My	.011	2.75
69	MP4C	Mz	.019	2.75
70	MP4C	Y	-43.55	4.5
71	MP4C	My	.011	4.5
72	MP4C	Mz	.019	4.5
73	OVP1	Y	-32	1
74	OVP1	My	.021	1
75	OVP1	Mz	0	1
76	MP3A	Y	-74.7	3
77	MP3A	My	.037	3
78	MP3A	Mz	0	3
79	MP3B	Y	-74.7	3
80	MP3B	My	-.019	3
81	MP3B	Mz	.032	3
82	MP3C	Y	-74.7	3
83	MP3C	My	-.019	3
84	MP3C	Mz	-.032	3
85	MP2A	Y	-70.3	3
86	MP2A	My	.035	3
87	MP2A	Mz	0	3
88	MP2B	Y	-70.3	3
89	MP2B	My	-.018	3
90	MP2B	Mz	.03	3
91	MP2C	Y	-70.3	3
92	MP2C	My	-.018	3
93	MP2C	Mz	-.03	3

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-34.751	.75
2	MP2A	My	-.012	.75
3	MP2A	Mz	0	.75
4	MP2A	Y	-34.751	6.5
5	MP2A	My	-.012	6.5
6	MP2A	Mz	0	6.5
7	MP2B	Y	-34.751	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	My	.006	.75
9	MP2B	Mz	-.01	.75
10	MP2B	Y	-34.751	6.5
11	MP2B	My	.006	6.5
12	MP2B	Mz	-.01	6.5
13	MP2C	Y	-34.751	.75
14	MP2C	My	.006	.75
15	MP2C	Mz	.01	.75
16	MP2C	Y	-34.751	6.5
17	MP2C	My	.006	6.5
18	MP2C	Mz	.01	6.5
19	MP3A	Y	-61.957	1.5
20	MP3A	My	-.031	1.5
21	MP3A	Mz	.041	1.5
22	MP3A	Y	-61.957	5.75
23	MP3A	My	-.031	5.75
24	MP3A	Mz	.041	5.75
25	MP3B	Y	-61.957	1.5
26	MP3B	My	-.02	1.5
27	MP3B	Mz	-.047	1.5
28	MP3B	Y	-61.957	5.75
29	MP3B	My	-.02	5.75
30	MP3B	Mz	-.047	5.75
31	MP3C	Y	-61.957	1.5
32	MP3C	My	.051	1.5
33	MP3C	Mz	.006	1.5
34	MP3C	Y	-61.957	5.75
35	MP3C	My	.051	5.75
36	MP3C	Mz	.006	5.75
37	MP3A	Y	-61.957	1.5
38	MP3A	My	-.031	1.5
39	MP3A	Mz	-.041	1.5
40	MP3A	Y	-61.957	5.75
41	MP3A	My	-.031	5.75
42	MP3A	Mz	-.041	5.75
43	MP3B	Y	-61.957	1.5
44	MP3B	My	.051	1.5
45	MP3B	Mz	-.006	1.5
46	MP3B	Y	-61.957	5.75
47	MP3B	My	.051	5.75
48	MP3B	Mz	-.006	5.75
49	MP3C	Y	-61.957	1.5
50	MP3C	My	-.02	1.5
51	MP3C	Mz	.047	1.5
52	MP3C	Y	-61.957	5.75
53	MP3C	My	-.02	5.75
54	MP3C	Mz	.047	5.75
55	MP4A	Y	-36.421	2.75
56	MP4A	My	-.018	2.75
57	MP4A	Mz	0	2.75
58	MP4A	Y	-36.421	4.5
59	MP4A	My	-.018	4.5
60	MP4A	Mz	0	4.5
61	MP4B	Y	-36.421	2.75
62	MP4B	My	.009	2.75
63	MP4B	Mz	-.016	2.75
64	MP4B	Y	-36.421	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP4B	My	.009	4.5
66	MP4B	Mz	-.016	4.5
67	MP4C	Y	-36.421	2.75
68	MP4C	My	.009	2.75
69	MP4C	Mz	.016	2.75
70	MP4C	Y	-36.421	4.5
71	MP4C	My	.009	4.5
72	MP4C	Mz	.016	4.5
73	OVP1	Y	-89.872	1
74	OVP1	My	.06	1
75	OVP1	Mz	0	1
76	MP3A	Y	-45.933	3
77	MP3A	My	.023	3
78	MP3A	Mz	0	3
79	MP3B	Y	-45.933	3
80	MP3B	My	-.011	3
81	MP3B	Mz	.02	3
82	MP3C	Y	-45.933	3
83	MP3C	My	-.011	3
84	MP3C	Mz	-.02	3
85	MP2A	Y	-43.745	3
86	MP2A	My	.022	3
87	MP2A	Mz	0	3
88	MP2B	Y	-43.745	3
89	MP2B	My	-.011	3
90	MP2B	Mz	.019	3
91	MP2C	Y	-43.745	3
92	MP2C	My	-.011	3
93	MP2C	Mz	-.019	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.75
2	MP2A	Z	-89.004	.75
3	MP2A	Mx	0	.75
4	MP2A	X	0	6.5
5	MP2A	Z	-89.004	6.5
6	MP2A	Mx	0	6.5
7	MP2B	X	0	.75
8	MP2B	Z	-72.551	.75
9	MP2B	Mx	.021	.75
10	MP2B	X	0	6.5
11	MP2B	Z	-72.551	6.5
12	MP2B	Mx	.021	6.5
13	MP2C	X	0	.75
14	MP2C	Z	-72.551	.75
15	MP2C	Mx	-.021	.75
16	MP2C	X	0	6.5
17	MP2C	Z	-72.551	6.5
18	MP2C	Mx	-.021	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	-151.719	1.5
21	MP3A	Mx	-.101	1.5
22	MP3A	X	0	5.75
23	MP3A	Z	-151.719	5.75
24	MP3A	Mx	-.101	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	0	1.5
26	MP3B	Z	-113.156	1.5
27	MP3B	Mx	.087	1.5
28	MP3B	X	0	5.75
29	MP3B	Z	-113.156	5.75
30	MP3B	Mx	.087	5.75
31	MP3C	X	0	1.5
32	MP3C	Z	-113.156	1.5
33	MP3C	Mx	-.011	1.5
34	MP3C	X	0	5.75
35	MP3C	Z	-113.156	5.75
36	MP3C	Mx	-.011	5.75
37	MP3A	X	0	1.5
38	MP3A	Z	-151.719	1.5
39	MP3A	Mx	.101	1.5
40	MP3A	X	0	5.75
41	MP3A	Z	-151.719	5.75
42	MP3A	Mx	.101	5.75
43	MP3B	X	0	1.5
44	MP3B	Z	-113.156	1.5
45	MP3B	Mx	.011	1.5
46	MP3B	X	0	5.75
47	MP3B	Z	-113.156	5.75
48	MP3B	Mx	.011	5.75
49	MP3C	X	0	1.5
50	MP3C	Z	-113.156	1.5
51	MP3C	Mx	-.087	1.5
52	MP3C	X	0	5.75
53	MP3C	Z	-113.156	5.75
54	MP3C	Mx	-.087	5.75
55	MP4A	X	0	2.75
56	MP4A	Z	-88.253	2.75
57	MP4A	Mx	0	2.75
58	MP4A	X	0	4.5
59	MP4A	Z	-88.253	4.5
60	MP4A	Mx	0	4.5
61	MP4B	X	0	2.75
62	MP4B	Z	-47.976	2.75
63	MP4B	Mx	.021	2.75
64	MP4B	X	0	4.5
65	MP4B	Z	-47.976	4.5
66	MP4B	Mx	.021	4.5
67	MP4C	X	0	2.75
68	MP4C	Z	-47.976	2.75
69	MP4C	Mx	-.021	2.75
70	MP4C	X	0	4.5
71	MP4C	Z	-47.976	4.5
72	MP4C	Mx	-.021	4.5
73	OVP1	X	0	1
74	OVP1	Z	-152.471	1
75	OVP1	Mx	0	1
76	MP3A	X	0	3
77	MP3A	Z	-70.227	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	-52.764	3
81	MP3B	Mx	-.023	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3C	X	0	3
83	MP3C	Z	-52.764	3
84	MP3C	Mx	.023	3
85	MP2A	X	0	3
86	MP2A	Z	-70.227	3
87	MP2A	Mx	0	3
88	MP2B	X	0	3
89	MP2B	Z	-49.595	3
90	MP2B	Mx	-.021	3
91	MP2C	X	0	3
92	MP2C	Z	-49.595	3
93	MP2C	Mx	.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	41.76	.75
2	MP2A	Z	-72.33	.75
3	MP2A	Mx	-.014	.75
4	MP2A	X	41.76	6.5
5	MP2A	Z	-72.33	6.5
6	MP2A	Mx	-.014	6.5
7	MP2B	X	33.533	.75
8	MP2B	Z	-58.082	.75
9	MP2B	Mx	.022	.75
10	MP2B	X	33.533	6.5
11	MP2B	Z	-58.082	6.5
12	MP2B	Mx	.022	6.5
13	MP2C	X	41.76	.75
14	MP2C	Z	-72.33	.75
15	MP2C	Mx	-.014	.75
16	MP2C	X	41.76	6.5
17	MP2C	Z	-72.33	6.5
18	MP2C	Mx	-.014	6.5
19	MP3A	X	69.432	1.5
20	MP3A	Z	-120.261	1.5
21	MP3A	Mx	-.115	1.5
22	MP3A	X	69.432	5.75
23	MP3A	Z	-120.261	5.75
24	MP3A	Mx	-.115	5.75
25	MP3B	X	50.151	1.5
26	MP3B	Z	-86.863	1.5
27	MP3B	Mx	.05	1.5
28	MP3B	X	50.151	5.75
29	MP3B	Z	-86.863	5.75
30	MP3B	Mx	.05	5.75
31	MP3C	X	69.432	1.5
32	MP3C	Z	-120.261	1.5
33	MP3C	Mx	.045	1.5
34	MP3C	X	69.432	5.75
35	MP3C	Z	-120.261	5.75
36	MP3C	Mx	.045	5.75
37	MP3A	X	69.432	1.5
38	MP3A	Z	-120.261	1.5
39	MP3A	Mx	.045	1.5
40	MP3A	X	69.432	5.75
41	MP3A	Z	-120.261	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	.045	5.75
43	MP3B	X	50.151	1.5
44	MP3B	Z	-86.863	1.5
45	MP3B	Mx	.05	1.5
46	MP3B	X	50.151	5.75
47	MP3B	Z	-86.863	5.75
48	MP3B	Mx	.05	5.75
49	MP3C	X	69.432	1.5
50	MP3C	Z	-120.261	1.5
51	MP3C	Mx	-.115	1.5
52	MP3C	X	69.432	5.75
53	MP3C	Z	-120.261	5.75
54	MP3C	Mx	-.115	5.75
55	MP4A	X	37.414	2.75
56	MP4A	Z	-64.802	2.75
57	MP4A	Mx	-.019	2.75
58	MP4A	X	37.414	4.5
59	MP4A	Z	-64.802	4.5
60	MP4A	Mx	-.019	4.5
61	MP4B	X	17.275	2.75
62	MP4B	Z	-29.922	2.75
63	MP4B	Mx	.017	2.75
64	MP4B	X	17.275	4.5
65	MP4B	Z	-29.922	4.5
66	MP4B	Mx	.017	4.5
67	MP4C	X	37.414	2.75
68	MP4C	Z	-64.802	2.75
69	MP4C	Mx	-.019	2.75
70	MP4C	X	37.414	4.5
71	MP4C	Z	-64.802	4.5
72	MP4C	Mx	-.019	4.5
73	OVP1	X	71.717	1
74	OVP1	Z	-124.218	1
75	OVP1	Mx	.048	1
76	MP3A	X	32.203	3
77	MP3A	Z	-55.777	3
78	MP3A	Mx	.016	3
79	MP3B	X	23.471	3
80	MP3B	Z	-40.654	3
81	MP3B	Mx	-.023	3
82	MP3C	X	32.203	3
83	MP3C	Z	-55.777	3
84	MP3C	Mx	.016	3
85	MP2A	X	31.675	3
86	MP2A	Z	-54.862	3
87	MP2A	Mx	.016	3
88	MP2B	X	21.359	3
89	MP2B	Z	-36.995	3
90	MP2B	Mx	-.021	3
91	MP2C	X	31.675	3
92	MP2C	Z	-54.862	3
93	MP2C	Mx	.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	62.831	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-36.276	.75
3	MP2A	Mx	-.021	.75
4	MP2A	X	62.831	6.5
5	MP2A	Z	-36.276	6.5
6	MP2A	Mx	-.021	6.5
7	MP2B	X	62.831	.75
8	MP2B	Z	-36.276	.75
9	MP2B	Mx	.021	.75
10	MP2B	X	62.831	6.5
11	MP2B	Z	-36.276	6.5
12	MP2B	Mx	.021	6.5
13	MP2C	X	77.079	.75
14	MP2C	Z	-44.502	.75
15	MP2C	Mx	0	.75
16	MP2C	X	77.079	6.5
17	MP2C	Z	-44.502	6.5
18	MP2C	Mx	0	6.5
19	MP3A	X	97.996	1.5
20	MP3A	Z	-56.578	1.5
21	MP3A	Mx	-.087	1.5
22	MP3A	X	97.996	5.75
23	MP3A	Z	-56.578	5.75
24	MP3A	Mx	-.087	5.75
25	MP3B	X	97.996	1.5
26	MP3B	Z	-56.578	1.5
27	MP3B	Mx	.011	1.5
28	MP3B	X	97.996	5.75
29	MP3B	Z	-56.578	5.75
30	MP3B	Mx	.011	5.75
31	MP3C	X	131.393	1.5
32	MP3C	Z	-75.86	1.5
33	MP3C	Mx	.101	1.5
34	MP3C	X	131.393	5.75
35	MP3C	Z	-75.86	5.75
36	MP3C	Mx	.101	5.75
37	MP3A	X	97.996	1.5
38	MP3A	Z	-56.578	1.5
39	MP3A	Mx	-.011	1.5
40	MP3A	X	97.996	5.75
41	MP3A	Z	-56.578	5.75
42	MP3A	Mx	-.011	5.75
43	MP3B	X	97.996	1.5
44	MP3B	Z	-56.578	1.5
45	MP3B	Mx	.087	1.5
46	MP3B	X	97.996	5.75
47	MP3B	Z	-56.578	5.75
48	MP3B	Mx	.087	5.75
49	MP3C	X	131.393	1.5
50	MP3C	Z	-75.86	1.5
51	MP3C	Mx	-.101	1.5
52	MP3C	X	131.393	5.75
53	MP3C	Z	-75.86	5.75
54	MP3C	Mx	-.101	5.75
55	MP4A	X	41.549	2.75
56	MP4A	Z	-23.988	2.75
57	MP4A	Mx	-.021	2.75
58	MP4A	X	41.549	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4A	Z	-23.988	4.5
60	MP4A	Mx	-.021	4.5
61	MP4B	X	41.549	2.75
62	MP4B	Z	-23.988	2.75
63	MP4B	Mx	.021	2.75
64	MP4B	X	41.549	4.5
65	MP4B	Z	-23.988	4.5
66	MP4B	Mx	.021	4.5
67	MP4C	X	76.429	2.75
68	MP4C	Z	-44.126	2.75
69	MP4C	Mx	0	2.75
70	MP4C	X	76.429	4.5
71	MP4C	Z	-44.126	4.5
72	MP4C	Mx	0	4.5
73	OVP1	X	108.566	1
74	OVP1	Z	-62.681	1
75	OVP1	Mx	.072	1
76	MP3A	X	45.695	3
77	MP3A	Z	-26.382	3
78	MP3A	Mx	.023	3
79	MP3B	X	45.695	3
80	MP3B	Z	-26.382	3
81	MP3B	Mx	-.023	3
82	MP3C	X	60.818	3
83	MP3C	Z	-35.113	3
84	MP3C	Mx	0	3
85	MP2A	X	42.951	3
86	MP2A	Z	-24.798	3
87	MP2A	Mx	.021	3
88	MP2B	X	42.951	3
89	MP2B	Z	-24.798	3
90	MP2B	Mx	-.021	3
91	MP2C	X	60.818	3
92	MP2C	Z	-35.113	3
93	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	67.067	.75
2	MP2A	Z	0	.75
3	MP2A	Mx	-.022	.75
4	MP2A	X	67.067	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	-.022	6.5
7	MP2B	X	83.519	.75
8	MP2B	Z	0	.75
9	MP2B	Mx	.014	.75
10	MP2B	X	83.519	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	.014	6.5
13	MP2C	X	83.519	.75
14	MP2C	Z	0	.75
15	MP2C	Mx	.014	.75
16	MP2C	X	83.519	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	.014	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	100.301	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.05	1.5
22	MP3A	X	100.301	5.75
23	MP3A	Z	0	5.75
24	MP3A	Mx	-.05	5.75
25	MP3B	X	138.865	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.045	1.5
28	MP3B	X	138.865	5.75
29	MP3B	Z	0	5.75
30	MP3B	Mx	-.045	5.75
31	MP3C	X	138.865	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.115	1.5
34	MP3C	X	138.865	5.75
35	MP3C	Z	0	5.75
36	MP3C	Mx	.115	5.75
37	MP3A	X	100.301	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.05	1.5
40	MP3A	X	100.301	5.75
41	MP3A	Z	0	5.75
42	MP3A	Mx	-.05	5.75
43	MP3B	X	138.865	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.115	1.5
46	MP3B	X	138.865	5.75
47	MP3B	Z	0	5.75
48	MP3B	Mx	.115	5.75
49	MP3C	X	138.865	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.045	1.5
52	MP3C	X	138.865	5.75
53	MP3C	Z	0	5.75
54	MP3C	Mx	-.045	5.75
55	MP4A	X	34.551	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	-.017	2.75
58	MP4A	X	34.551	4.5
59	MP4A	Z	0	4.5
60	MP4A	Mx	-.017	4.5
61	MP4B	X	74.827	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	.019	2.75
64	MP4B	X	74.827	4.5
65	MP4B	Z	0	4.5
66	MP4B	Mx	.019	4.5
67	MP4C	X	74.827	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	.019	2.75
70	MP4C	X	74.827	4.5
71	MP4C	Z	0	4.5
72	MP4C	Mx	.019	4.5
73	OVP1	X	116.324	1
74	OVP1	Z	0	1
75	OVP1	Mx	.078	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3A	X	46.943	3
77	MP3A	Z	0	3
78	MP3A	Mx	.023	3
79	MP3B	X	64.406	3
80	MP3B	Z	0	3
81	MP3B	Mx	-.016	3
82	MP3C	X	64.406	3
83	MP3C	Z	0	3
84	MP3C	Mx	-.016	3
85	MP2A	X	42.718	3
86	MP2A	Z	0	3
87	MP2A	Mx	.021	3
88	MP2B	X	63.349	3
89	MP2B	Z	0	3
90	MP2B	Mx	-.016	3
91	MP2C	X	63.349	3
92	MP2C	Z	0	3
93	MP2C	Mx	-.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	62.831	.75
2	MP2A	Z	36.276	.75
3	MP2A	Mx	-.021	.75
4	MP2A	X	62.831	6.5
5	MP2A	Z	36.276	6.5
6	MP2A	Mx	-.021	6.5
7	MP2B	X	77.079	.75
8	MP2B	Z	44.502	.75
9	MP2B	Mx	0	.75
10	MP2B	X	77.079	6.5
11	MP2B	Z	44.502	6.5
12	MP2B	Mx	0	6.5
13	MP2C	X	62.831	.75
14	MP2C	Z	36.276	.75
15	MP2C	Mx	.021	.75
16	MP2C	X	62.831	6.5
17	MP2C	Z	36.276	6.5
18	MP2C	Mx	.021	6.5
19	MP3A	X	97.996	1.5
20	MP3A	Z	56.578	1.5
21	MP3A	Mx	-.011	1.5
22	MP3A	X	97.996	5.75
23	MP3A	Z	56.578	5.75
24	MP3A	Mx	-.011	5.75
25	MP3B	X	131.393	1.5
26	MP3B	Z	75.86	1.5
27	MP3B	Mx	-.101	1.5
28	MP3B	X	131.393	5.75
29	MP3B	Z	75.86	5.75
30	MP3B	Mx	-.101	5.75
31	MP3C	X	97.996	1.5
32	MP3C	Z	56.578	1.5
33	MP3C	Mx	.087	1.5
34	MP3C	X	97.996	5.75
35	MP3C	Z	56.578	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.087	5.75
37	MP3A	X	97.996	1.5
38	MP3A	Z	56.578	1.5
39	MP3A	Mx	-.087	1.5
40	MP3A	X	97.996	5.75
41	MP3A	Z	56.578	5.75
42	MP3A	Mx	-.087	5.75
43	MP3B	X	131.393	1.5
44	MP3B	Z	75.86	1.5
45	MP3B	Mx	.101	1.5
46	MP3B	X	131.393	5.75
47	MP3B	Z	75.86	5.75
48	MP3B	Mx	.101	5.75
49	MP3C	X	97.996	1.5
50	MP3C	Z	56.578	1.5
51	MP3C	Mx	.011	1.5
52	MP3C	X	97.996	5.75
53	MP3C	Z	56.578	5.75
54	MP3C	Mx	.011	5.75
55	MP4A	X	41.549	2.75
56	MP4A	Z	23.988	2.75
57	MP4A	Mx	-.021	2.75
58	MP4A	X	41.549	4.5
59	MP4A	Z	23.988	4.5
60	MP4A	Mx	-.021	4.5
61	MP4B	X	76.429	2.75
62	MP4B	Z	44.126	2.75
63	MP4B	Mx	0	2.75
64	MP4B	X	76.429	4.5
65	MP4B	Z	44.126	4.5
66	MP4B	Mx	0	4.5
67	MP4C	X	41.549	2.75
68	MP4C	Z	23.988	2.75
69	MP4C	Mx	.021	2.75
70	MP4C	X	41.549	4.5
71	MP4C	Z	23.988	4.5
72	MP4C	Mx	.021	4.5
73	OVP1	X	108.566	1
74	OVP1	Z	62.681	1
75	OVP1	Mx	.072	1
76	MP3A	X	45.695	3
77	MP3A	Z	26.382	3
78	MP3A	Mx	.023	3
79	MP3B	X	60.818	3
80	MP3B	Z	35.113	3
81	MP3B	Mx	0	3
82	MP3C	X	45.695	3
83	MP3C	Z	26.382	3
84	MP3C	Mx	-.023	3
85	MP2A	X	42.951	3
86	MP2A	Z	24.798	3
87	MP2A	Mx	.021	3
88	MP2B	X	60.818	3
89	MP2B	Z	35.113	3
90	MP2B	Mx	0	3
91	MP2C	X	42.951	3
92	MP2C	Z	24.798	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP2C	Mx	-.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	41.76	.75
2	MP2A	Z	72.33	.75
3	MP2A	Mx	-.014	.75
4	MP2A	X	41.76	6.5
5	MP2A	Z	72.33	6.5
6	MP2A	Mx	-.014	6.5
7	MP2B	X	41.76	.75
8	MP2B	Z	72.33	.75
9	MP2B	Mx	-.014	.75
10	MP2B	X	41.76	6.5
11	MP2B	Z	72.33	6.5
12	MP2B	Mx	-.014	6.5
13	MP2C	X	33.533	.75
14	MP2C	Z	58.082	.75
15	MP2C	Mx	.022	.75
16	MP2C	X	33.533	6.5
17	MP2C	Z	58.082	6.5
18	MP2C	Mx	.022	6.5
19	MP3A	X	69.432	1.5
20	MP3A	Z	120.261	1.5
21	MP3A	Mx	.045	1.5
22	MP3A	X	69.432	5.75
23	MP3A	Z	120.261	5.75
24	MP3A	Mx	.045	5.75
25	MP3B	X	69.432	1.5
26	MP3B	Z	120.261	1.5
27	MP3B	Mx	-.115	1.5
28	MP3B	X	69.432	5.75
29	MP3B	Z	120.261	5.75
30	MP3B	Mx	-.115	5.75
31	MP3C	X	50.151	1.5
32	MP3C	Z	86.863	1.5
33	MP3C	Mx	.05	1.5
34	MP3C	X	50.151	5.75
35	MP3C	Z	86.863	5.75
36	MP3C	Mx	.05	5.75
37	MP3A	X	69.432	1.5
38	MP3A	Z	120.261	1.5
39	MP3A	Mx	-.115	1.5
40	MP3A	X	69.432	5.75
41	MP3A	Z	120.261	5.75
42	MP3A	Mx	-.115	5.75
43	MP3B	X	69.432	1.5
44	MP3B	Z	120.261	1.5
45	MP3B	Mx	.045	1.5
46	MP3B	X	69.432	5.75
47	MP3B	Z	120.261	5.75
48	MP3B	Mx	.045	5.75
49	MP3C	X	50.151	1.5
50	MP3C	Z	86.863	1.5
51	MP3C	Mx	.05	1.5
52	MP3C	X	50.151	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	86.863	5.75
54	MP3C	Mx	.05	5.75
55	MP4A	X	37.414	2.75
56	MP4A	Z	64.802	2.75
57	MP4A	Mx	-.019	2.75
58	MP4A	X	37.414	4.5
59	MP4A	Z	64.802	4.5
60	MP4A	Mx	-.019	4.5
61	MP4B	X	37.414	2.75
62	MP4B	Z	64.802	2.75
63	MP4B	Mx	-.019	2.75
64	MP4B	X	37.414	4.5
65	MP4B	Z	64.802	4.5
66	MP4B	Mx	-.019	4.5
67	MP4C	X	17.275	2.75
68	MP4C	Z	29.922	2.75
69	MP4C	Mx	.017	2.75
70	MP4C	X	17.275	4.5
71	MP4C	Z	29.922	4.5
72	MP4C	Mx	.017	4.5
73	OVP1	X	71.717	1
74	OVP1	Z	124.218	1
75	OVP1	Mx	.048	1
76	MP3A	X	32.203	3
77	MP3A	Z	55.777	3
78	MP3A	Mx	.016	3
79	MP3B	X	32.203	3
80	MP3B	Z	55.777	3
81	MP3B	Mx	.016	3
82	MP3C	X	23.471	3
83	MP3C	Z	40.654	3
84	MP3C	Mx	-.023	3
85	MP2A	X	31.675	3
86	MP2A	Z	54.862	3
87	MP2A	Mx	.016	3
88	MP2B	X	31.675	3
89	MP2B	Z	54.862	3
90	MP2B	Mx	.016	3
91	MP2C	X	21.359	3
92	MP2C	Z	36.995	3
93	MP2C	Mx	-.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.75
2	MP2A	Z	89.004	.75
3	MP2A	Mx	0	.75
4	MP2A	X	0	6.5
5	MP2A	Z	89.004	6.5
6	MP2A	Mx	0	6.5
7	MP2B	X	0	.75
8	MP2B	Z	72.551	.75
9	MP2B	Mx	-.021	.75
10	MP2B	X	0	6.5
11	MP2B	Z	72.551	6.5
12	MP2B	Mx	-.021	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	0	.75
14	MP2C	Z	72.551	.75
15	MP2C	Mx	.021	.75
16	MP2C	X	0	6.5
17	MP2C	Z	72.551	6.5
18	MP2C	Mx	.021	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	151.719	1.5
21	MP3A	Mx	.101	1.5
22	MP3A	X	0	5.75
23	MP3A	Z	151.719	5.75
24	MP3A	Mx	.101	5.75
25	MP3B	X	0	1.5
26	MP3B	Z	113.156	1.5
27	MP3B	Mx	-.087	1.5
28	MP3B	X	0	5.75
29	MP3B	Z	113.156	5.75
30	MP3B	Mx	-.087	5.75
31	MP3C	X	0	1.5
32	MP3C	Z	113.156	1.5
33	MP3C	Mx	.011	1.5
34	MP3C	X	0	5.75
35	MP3C	Z	113.156	5.75
36	MP3C	Mx	.011	5.75
37	MP3A	X	0	1.5
38	MP3A	Z	151.719	1.5
39	MP3A	Mx	-.101	1.5
40	MP3A	X	0	5.75
41	MP3A	Z	151.719	5.75
42	MP3A	Mx	-.101	5.75
43	MP3B	X	0	1.5
44	MP3B	Z	113.156	1.5
45	MP3B	Mx	-.011	1.5
46	MP3B	X	0	5.75
47	MP3B	Z	113.156	5.75
48	MP3B	Mx	-.011	5.75
49	MP3C	X	0	1.5
50	MP3C	Z	113.156	1.5
51	MP3C	Mx	.087	1.5
52	MP3C	X	0	5.75
53	MP3C	Z	113.156	5.75
54	MP3C	Mx	.087	5.75
55	MP4A	X	0	2.75
56	MP4A	Z	88.253	2.75
57	MP4A	Mx	0	2.75
58	MP4A	X	0	4.5
59	MP4A	Z	88.253	4.5
60	MP4A	Mx	0	4.5
61	MP4B	X	0	2.75
62	MP4B	Z	47.976	2.75
63	MP4B	Mx	-.021	2.75
64	MP4B	X	0	4.5
65	MP4B	Z	47.976	4.5
66	MP4B	Mx	-.021	4.5
67	MP4C	X	0	2.75
68	MP4C	Z	47.976	2.75
69	MP4C	Mx	.021	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP4C	X	0	4.5
71	MP4C	Z	47.976	4.5
72	MP4C	Mx	.021	4.5
73	OVP1	X	0	1
74	OVP1	Z	152.471	1
75	OVP1	Mx	0	1
76	MP3A	X	0	3
77	MP3A	Z	70.227	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	52.764	3
81	MP3B	Mx	.023	3
82	MP3C	X	0	3
83	MP3C	Z	52.764	3
84	MP3C	Mx	-.023	3
85	MP2A	X	0	3
86	MP2A	Z	70.227	3
87	MP2A	Mx	0	3
88	MP2B	X	0	3
89	MP2B	Z	49.595	3
90	MP2B	Mx	.021	3
91	MP2C	X	0	3
92	MP2C	Z	49.595	3
93	MP2C	Mx	-.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-41.76	.75
2	MP2A	Z	72.33	.75
3	MP2A	Mx	.014	.75
4	MP2A	X	-41.76	6.5
5	MP2A	Z	72.33	6.5
6	MP2A	Mx	.014	6.5
7	MP2B	X	-33.533	.75
8	MP2B	Z	58.082	.75
9	MP2B	Mx	-.022	.75
10	MP2B	X	-33.533	6.5
11	MP2B	Z	58.082	6.5
12	MP2B	Mx	-.022	6.5
13	MP2C	X	-41.76	.75
14	MP2C	Z	72.33	.75
15	MP2C	Mx	.014	.75
16	MP2C	X	-41.76	6.5
17	MP2C	Z	72.33	6.5
18	MP2C	Mx	.014	6.5
19	MP3A	X	-69.432	1.5
20	MP3A	Z	120.261	1.5
21	MP3A	Mx	.115	1.5
22	MP3A	X	-69.432	5.75
23	MP3A	Z	120.261	5.75
24	MP3A	Mx	.115	5.75
25	MP3B	X	-50.151	1.5
26	MP3B	Z	86.863	1.5
27	MP3B	Mx	-.05	1.5
28	MP3B	X	-50.151	5.75
29	MP3B	Z	86.863	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	-.05	5.75
31	MP3C	X	-69.432	1.5
32	MP3C	Z	120.261	1.5
33	MP3C	Mx	-.045	1.5
34	MP3C	X	-69.432	5.75
35	MP3C	Z	120.261	5.75
36	MP3C	Mx	-.045	5.75
37	MP3A	X	-69.432	1.5
38	MP3A	Z	120.261	1.5
39	MP3A	Mx	-.045	1.5
40	MP3A	X	-69.432	5.75
41	MP3A	Z	120.261	5.75
42	MP3A	Mx	-.045	5.75
43	MP3B	X	-50.151	1.5
44	MP3B	Z	86.863	1.5
45	MP3B	Mx	-.05	1.5
46	MP3B	X	-50.151	5.75
47	MP3B	Z	86.863	5.75
48	MP3B	Mx	-.05	5.75
49	MP3C	X	-69.432	1.5
50	MP3C	Z	120.261	1.5
51	MP3C	Mx	.115	1.5
52	MP3C	X	-69.432	5.75
53	MP3C	Z	120.261	5.75
54	MP3C	Mx	.115	5.75
55	MP4A	X	-37.414	2.75
56	MP4A	Z	64.802	2.75
57	MP4A	Mx	.019	2.75
58	MP4A	X	-37.414	4.5
59	MP4A	Z	64.802	4.5
60	MP4A	Mx	.019	4.5
61	MP4B	X	-17.275	2.75
62	MP4B	Z	29.922	2.75
63	MP4B	Mx	-.017	2.75
64	MP4B	X	-17.275	4.5
65	MP4B	Z	29.922	4.5
66	MP4B	Mx	-.017	4.5
67	MP4C	X	-37.414	2.75
68	MP4C	Z	64.802	2.75
69	MP4C	Mx	.019	2.75
70	MP4C	X	-37.414	4.5
71	MP4C	Z	64.802	4.5
72	MP4C	Mx	.019	4.5
73	OVP1	X	-71.717	1
74	OVP1	Z	124.218	1
75	OVP1	Mx	-.048	1
76	MP3A	X	-32.203	3
77	MP3A	Z	55.777	3
78	MP3A	Mx	-.016	3
79	MP3B	X	-23.471	3
80	MP3B	Z	40.654	3
81	MP3B	Mx	.023	3
82	MP3C	X	-32.203	3
83	MP3C	Z	55.777	3
84	MP3C	Mx	-.016	3
85	MP2A	X	-31.675	3
86	MP2A	Z	54.862	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP2A	Mx	-.016	3
88	MP2B	X	-21.359	3
89	MP2B	Z	36.995	3
90	MP2B	Mx	.021	3
91	MP2C	X	-31.675	3
92	MP2C	Z	54.862	3
93	MP2C	Mx	-.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-62.831	.75
2	MP2A	Z	36.276	.75
3	MP2A	Mx	.021	.75
4	MP2A	X	-62.831	6.5
5	MP2A	Z	36.276	6.5
6	MP2A	Mx	.021	6.5
7	MP2B	X	-62.831	.75
8	MP2B	Z	36.276	.75
9	MP2B	Mx	-.021	.75
10	MP2B	X	-62.831	6.5
11	MP2B	Z	36.276	6.5
12	MP2B	Mx	-.021	6.5
13	MP2C	X	-77.079	.75
14	MP2C	Z	44.502	.75
15	MP2C	Mx	0	.75
16	MP2C	X	-77.079	6.5
17	MP2C	Z	44.502	6.5
18	MP2C	Mx	0	6.5
19	MP3A	X	-97.996	1.5
20	MP3A	Z	56.578	1.5
21	MP3A	Mx	.087	1.5
22	MP3A	X	-97.996	5.75
23	MP3A	Z	56.578	5.75
24	MP3A	Mx	.087	5.75
25	MP3B	X	-97.996	1.5
26	MP3B	Z	56.578	1.5
27	MP3B	Mx	-.011	1.5
28	MP3B	X	-97.996	5.75
29	MP3B	Z	56.578	5.75
30	MP3B	Mx	-.011	5.75
31	MP3C	X	-131.393	1.5
32	MP3C	Z	75.86	1.5
33	MP3C	Mx	-.101	1.5
34	MP3C	X	-131.393	5.75
35	MP3C	Z	75.86	5.75
36	MP3C	Mx	-.101	5.75
37	MP3A	X	-97.996	1.5
38	MP3A	Z	56.578	1.5
39	MP3A	Mx	.011	1.5
40	MP3A	X	-97.996	5.75
41	MP3A	Z	56.578	5.75
42	MP3A	Mx	.011	5.75
43	MP3B	X	-97.996	1.5
44	MP3B	Z	56.578	1.5
45	MP3B	Mx	-.087	1.5
46	MP3B	X	-97.996	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	56.578	5.75
48	MP3B	Mx	-.087	5.75
49	MP3C	X	-131.393	1.5
50	MP3C	Z	75.86	1.5
51	MP3C	Mx	.101	1.5
52	MP3C	X	-131.393	5.75
53	MP3C	Z	75.86	5.75
54	MP3C	Mx	.101	5.75
55	MP4A	X	-41.549	2.75
56	MP4A	Z	23.988	2.75
57	MP4A	Mx	.021	2.75
58	MP4A	X	-41.549	4.5
59	MP4A	Z	23.988	4.5
60	MP4A	Mx	.021	4.5
61	MP4B	X	-41.549	2.75
62	MP4B	Z	23.988	2.75
63	MP4B	Mx	-.021	2.75
64	MP4B	X	-41.549	4.5
65	MP4B	Z	23.988	4.5
66	MP4B	Mx	-.021	4.5
67	MP4C	X	-76.429	2.75
68	MP4C	Z	44.126	2.75
69	MP4C	Mx	0	2.75
70	MP4C	X	-76.429	4.5
71	MP4C	Z	44.126	4.5
72	MP4C	Mx	0	4.5
73	OVP1	X	-108.566	1
74	OVP1	Z	62.681	1
75	OVP1	Mx	-.072	1
76	MP3A	X	-45.695	3
77	MP3A	Z	26.382	3
78	MP3A	Mx	-.023	3
79	MP3B	X	-45.695	3
80	MP3B	Z	26.382	3
81	MP3B	Mx	.023	3
82	MP3C	X	-60.818	3
83	MP3C	Z	35.113	3
84	MP3C	Mx	0	3
85	MP2A	X	-42.951	3
86	MP2A	Z	24.798	3
87	MP2A	Mx	-.021	3
88	MP2B	X	-42.951	3
89	MP2B	Z	24.798	3
90	MP2B	Mx	.021	3
91	MP2C	X	-60.818	3
92	MP2C	Z	35.113	3
93	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-67.067	.75
2	MP2A	Z	0	.75
3	MP2A	Mx	.022	.75
4	MP2A	X	-67.067	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	.022	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-83.519	.75
8	MP2B	Z	0	.75
9	MP2B	Mx	-.014	.75
10	MP2B	X	-83.519	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	-.014	6.5
13	MP2C	X	-83.519	.75
14	MP2C	Z	0	.75
15	MP2C	Mx	-.014	.75
16	MP2C	X	-83.519	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	-.014	6.5
19	MP3A	X	-100.301	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.05	1.5
22	MP3A	X	-100.301	5.75
23	MP3A	Z	0	5.75
24	MP3A	Mx	.05	5.75
25	MP3B	X	-138.865	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.045	1.5
28	MP3B	X	-138.865	5.75
29	MP3B	Z	0	5.75
30	MP3B	Mx	.045	5.75
31	MP3C	X	-138.865	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.115	1.5
34	MP3C	X	-138.865	5.75
35	MP3C	Z	0	5.75
36	MP3C	Mx	-.115	5.75
37	MP3A	X	-100.301	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.05	1.5
40	MP3A	X	-100.301	5.75
41	MP3A	Z	0	5.75
42	MP3A	Mx	.05	5.75
43	MP3B	X	-138.865	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.115	1.5
46	MP3B	X	-138.865	5.75
47	MP3B	Z	0	5.75
48	MP3B	Mx	-.115	5.75
49	MP3C	X	-138.865	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.045	1.5
52	MP3C	X	-138.865	5.75
53	MP3C	Z	0	5.75
54	MP3C	Mx	.045	5.75
55	MP4A	X	-34.551	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	.017	2.75
58	MP4A	X	-34.551	4.5
59	MP4A	Z	0	4.5
60	MP4A	Mx	.017	4.5
61	MP4B	X	-74.827	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	-.019	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP4B	X	-74.827	4.5
65	MP4B	Z	0	4.5
66	MP4B	Mx	-.019	4.5
67	MP4C	X	-74.827	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	-.019	2.75
70	MP4C	X	-74.827	4.5
71	MP4C	Z	0	4.5
72	MP4C	Mx	-.019	4.5
73	OVP1	X	-116.324	1
74	OVP1	Z	0	1
75	OVP1	Mx	-.078	1
76	MP3A	X	-46.943	3
77	MP3A	Z	0	3
78	MP3A	Mx	-.023	3
79	MP3B	X	-64.406	3
80	MP3B	Z	0	3
81	MP3B	Mx	.016	3
82	MP3C	X	-64.406	3
83	MP3C	Z	0	3
84	MP3C	Mx	.016	3
85	MP2A	X	-42.718	3
86	MP2A	Z	0	3
87	MP2A	Mx	-.021	3
88	MP2B	X	-63.349	3
89	MP2B	Z	0	3
90	MP2B	Mx	.016	3
91	MP2C	X	-63.349	3
92	MP2C	Z	0	3
93	MP2C	Mx	.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-62.831	.75
2	MP2A	Z	-36.276	.75
3	MP2A	Mx	.021	.75
4	MP2A	X	-62.831	6.5
5	MP2A	Z	-36.276	6.5
6	MP2A	Mx	.021	6.5
7	MP2B	X	-77.079	.75
8	MP2B	Z	-44.502	.75
9	MP2B	Mx	0	.75
10	MP2B	X	-77.079	6.5
11	MP2B	Z	-44.502	6.5
12	MP2B	Mx	0	6.5
13	MP2C	X	-62.831	.75
14	MP2C	Z	-36.276	.75
15	MP2C	Mx	-.021	.75
16	MP2C	X	-62.831	6.5
17	MP2C	Z	-36.276	6.5
18	MP2C	Mx	-.021	6.5
19	MP3A	X	-97.996	1.5
20	MP3A	Z	-56.578	1.5
21	MP3A	Mx	.011	1.5
22	MP3A	X	-97.996	5.75
23	MP3A	Z	-56.578	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	.011	5.75
25	MP3B	X	-131.393	1.5
26	MP3B	Z	-75.86	1.5
27	MP3B	Mx	.101	1.5
28	MP3B	X	-131.393	5.75
29	MP3B	Z	-75.86	5.75
30	MP3B	Mx	.101	5.75
31	MP3C	X	-97.996	1.5
32	MP3C	Z	-56.578	1.5
33	MP3C	Mx	-.087	1.5
34	MP3C	X	-97.996	5.75
35	MP3C	Z	-56.578	5.75
36	MP3C	Mx	-.087	5.75
37	MP3A	X	-97.996	1.5
38	MP3A	Z	-56.578	1.5
39	MP3A	Mx	.087	1.5
40	MP3A	X	-97.996	5.75
41	MP3A	Z	-56.578	5.75
42	MP3A	Mx	.087	5.75
43	MP3B	X	-131.393	1.5
44	MP3B	Z	-75.86	1.5
45	MP3B	Mx	-.101	1.5
46	MP3B	X	-131.393	5.75
47	MP3B	Z	-75.86	5.75
48	MP3B	Mx	-.101	5.75
49	MP3C	X	-97.996	1.5
50	MP3C	Z	-56.578	1.5
51	MP3C	Mx	-.011	1.5
52	MP3C	X	-97.996	5.75
53	MP3C	Z	-56.578	5.75
54	MP3C	Mx	-.011	5.75
55	MP4A	X	-41.549	2.75
56	MP4A	Z	-23.988	2.75
57	MP4A	Mx	.021	2.75
58	MP4A	X	-41.549	4.5
59	MP4A	Z	-23.988	4.5
60	MP4A	Mx	.021	4.5
61	MP4B	X	-76.429	2.75
62	MP4B	Z	-44.126	2.75
63	MP4B	Mx	0	2.75
64	MP4B	X	-76.429	4.5
65	MP4B	Z	-44.126	4.5
66	MP4B	Mx	0	4.5
67	MP4C	X	-41.549	2.75
68	MP4C	Z	-23.988	2.75
69	MP4C	Mx	-.021	2.75
70	MP4C	X	-41.549	4.5
71	MP4C	Z	-23.988	4.5
72	MP4C	Mx	-.021	4.5
73	OVP1	X	-108.566	1
74	OVP1	Z	-62.681	1
75	OVP1	Mx	-.072	1
76	MP3A	X	-45.695	3
77	MP3A	Z	-26.382	3
78	MP3A	Mx	-.023	3
79	MP3B	X	-60.818	3
80	MP3B	Z	-35.113	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP3B	Mx	0	3
82	MP3C	X	-45.695	3
83	MP3C	Z	-26.382	3
84	MP3C	Mx	.023	3
85	MP2A	X	-42.951	3
86	MP2A	Z	-24.798	3
87	MP2A	Mx	-.021	3
88	MP2B	X	-60.818	3
89	MP2B	Z	-35.113	3
90	MP2B	Mx	0	3
91	MP2C	X	-42.951	3
92	MP2C	Z	-24.798	3
93	MP2C	Mx	.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-41.76	.75
2	MP2A	Z	-72.33	.75
3	MP2A	Mx	.014	.75
4	MP2A	X	-41.76	6.5
5	MP2A	Z	-72.33	6.5
6	MP2A	Mx	.014	6.5
7	MP2B	X	-41.76	.75
8	MP2B	Z	-72.33	.75
9	MP2B	Mx	.014	.75
10	MP2B	X	-41.76	6.5
11	MP2B	Z	-72.33	6.5
12	MP2B	Mx	.014	6.5
13	MP2C	X	-33.533	.75
14	MP2C	Z	-58.082	.75
15	MP2C	Mx	-.022	.75
16	MP2C	X	-33.533	6.5
17	MP2C	Z	-58.082	6.5
18	MP2C	Mx	-.022	6.5
19	MP3A	X	-69.432	1.5
20	MP3A	Z	-120.261	1.5
21	MP3A	Mx	-.045	1.5
22	MP3A	X	-69.432	5.75
23	MP3A	Z	-120.261	5.75
24	MP3A	Mx	-.045	5.75
25	MP3B	X	-69.432	1.5
26	MP3B	Z	-120.261	1.5
27	MP3B	Mx	.115	1.5
28	MP3B	X	-69.432	5.75
29	MP3B	Z	-120.261	5.75
30	MP3B	Mx	.115	5.75
31	MP3C	X	-50.151	1.5
32	MP3C	Z	-86.863	1.5
33	MP3C	Mx	-.05	1.5
34	MP3C	X	-50.151	5.75
35	MP3C	Z	-86.863	5.75
36	MP3C	Mx	-.05	5.75
37	MP3A	X	-69.432	1.5
38	MP3A	Z	-120.261	1.5
39	MP3A	Mx	.115	1.5
40	MP3A	X	-69.432	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-120.261	5.75
42	MP3A	Mx	.115	5.75
43	MP3B	X	-69.432	1.5
44	MP3B	Z	-120.261	1.5
45	MP3B	Mx	-.045	1.5
46	MP3B	X	-69.432	5.75
47	MP3B	Z	-120.261	5.75
48	MP3B	Mx	-.045	5.75
49	MP3C	X	-50.151	1.5
50	MP3C	Z	-86.863	1.5
51	MP3C	Mx	-.05	1.5
52	MP3C	X	-50.151	5.75
53	MP3C	Z	-86.863	5.75
54	MP3C	Mx	-.05	5.75
55	MP4A	X	-37.414	2.75
56	MP4A	Z	-64.802	2.75
57	MP4A	Mx	.019	2.75
58	MP4A	X	-37.414	4.5
59	MP4A	Z	-64.802	4.5
60	MP4A	Mx	.019	4.5
61	MP4B	X	-37.414	2.75
62	MP4B	Z	-64.802	2.75
63	MP4B	Mx	.019	2.75
64	MP4B	X	-37.414	4.5
65	MP4B	Z	-64.802	4.5
66	MP4B	Mx	.019	4.5
67	MP4C	X	-17.275	2.75
68	MP4C	Z	-29.922	2.75
69	MP4C	Mx	-.017	2.75
70	MP4C	X	-17.275	4.5
71	MP4C	Z	-29.922	4.5
72	MP4C	Mx	-.017	4.5
73	OVP1	X	-71.717	1
74	OVP1	Z	-124.218	1
75	OVP1	Mx	-.048	1
76	MP3A	X	-32.203	3
77	MP3A	Z	-55.777	3
78	MP3A	Mx	-.016	3
79	MP3B	X	-32.203	3
80	MP3B	Z	-55.777	3
81	MP3B	Mx	-.016	3
82	MP3C	X	-23.471	3
83	MP3C	Z	-40.654	3
84	MP3C	Mx	.023	3
85	MP2A	X	-31.675	3
86	MP2A	Z	-54.862	3
87	MP2A	Mx	-.016	3
88	MP2B	X	-31.675	3
89	MP2B	Z	-54.862	3
90	MP2B	Mx	-.016	3
91	MP2C	X	-21.359	3
92	MP2C	Z	-36.995	3
93	MP2C	Mx	.021	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.75
2	MP2A	Z	-17.159	.75
3	MP2A	Mx	0	.75
4	MP2A	X	0	6.5
5	MP2A	Z	-17.159	6.5
6	MP2A	Mx	0	6.5
7	MP2B	X	0	.75
8	MP2B	Z	-14.324	.75
9	MP2B	Mx	.004	.75
10	MP2B	X	0	6.5
11	MP2B	Z	-14.324	6.5
12	MP2B	Mx	.004	6.5
13	MP2C	X	0	.75
14	MP2C	Z	-14.324	.75
15	MP2C	Mx	-.004	.75
16	MP2C	X	0	6.5
17	MP2C	Z	-14.324	6.5
18	MP2C	Mx	-.004	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	-27.711	1.5
21	MP3A	Mx	-.018	1.5
22	MP3A	X	0	5.75
23	MP3A	Z	-27.711	5.75
24	MP3A	Mx	-.018	5.75
25	MP3B	X	0	1.5
26	MP3B	Z	-21.271	1.5
27	MP3B	Mx	.016	1.5
28	MP3B	X	0	5.75
29	MP3B	Z	-21.271	5.75
30	MP3B	Mx	.016	5.75
31	MP3C	X	0	1.5
32	MP3C	Z	-21.271	1.5
33	MP3C	Mx	-.002	1.5
34	MP3C	X	0	5.75
35	MP3C	Z	-21.271	5.75
36	MP3C	Mx	-.002	5.75
37	MP3A	X	0	1.5
38	MP3A	Z	-27.711	1.5
39	MP3A	Mx	.018	1.5
40	MP3A	X	0	5.75
41	MP3A	Z	-27.711	5.75
42	MP3A	Mx	.018	5.75
43	MP3B	X	0	1.5
44	MP3B	Z	-21.271	1.5
45	MP3B	Mx	.002	1.5
46	MP3B	X	0	5.75
47	MP3B	Z	-21.271	5.75
48	MP3B	Mx	.002	5.75
49	MP3C	X	0	1.5
50	MP3C	Z	-21.271	1.5
51	MP3C	Mx	-.016	1.5
52	MP3C	X	0	5.75
53	MP3C	Z	-21.271	5.75
54	MP3C	Mx	-.016	5.75
55	MP4A	X	0	2.75
56	MP4A	Z	-16.514	2.75
57	MP4A	Mx	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	4.5
59	MP4A	Z	-16.514	4.5
60	MP4A	Mx	0	4.5
61	MP4B	X	0	2.75
62	MP4B	Z	-9.414	2.75
63	MP4B	Mx	.004	2.75
64	MP4B	X	0	4.5
65	MP4B	Z	-9.414	4.5
66	MP4B	Mx	.004	4.5
67	MP4C	X	0	2.75
68	MP4C	Z	-9.414	2.75
69	MP4C	Mx	-.004	2.75
70	MP4C	X	0	4.5
71	MP4C	Z	-9.414	4.5
72	MP4C	Mx	-.004	4.5
73	OVP1	X	0	1
74	OVP1	Z	-28.607	1
75	OVP1	Mx	0	1
76	MP3A	X	0	3
77	MP3A	Z	-13.934	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	-10.759	3
81	MP3B	Mx	-.005	3
82	MP3C	X	0	3
83	MP3C	Z	-10.759	3
84	MP3C	Mx	.005	3
85	MP2A	X	0	3
86	MP2A	Z	-13.934	3
87	MP2A	Mx	0	3
88	MP2B	X	0	3
89	MP2B	Z	-10.187	3
90	MP2B	Mx	-.004	3
91	MP2C	X	0	3
92	MP2C	Z	-10.187	3
93	MP2C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.107	.75
2	MP2A	Z	-14.042	.75
3	MP2A	Mx	-.003	.75
4	MP2A	X	8.107	6.5
5	MP2A	Z	-14.042	6.5
6	MP2A	Mx	-.003	6.5
7	MP2B	X	6.69	.75
8	MP2B	Z	-11.587	.75
9	MP2B	Mx	.004	.75
10	MP2B	X	6.69	6.5
11	MP2B	Z	-11.587	6.5
12	MP2B	Mx	.004	6.5
13	MP2C	X	8.107	.75
14	MP2C	Z	-14.042	.75
15	MP2C	Mx	-.003	.75
16	MP2C	X	8.107	6.5
17	MP2C	Z	-14.042	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.003	6.5
19	MP3A	X	12.782	1.5
20	MP3A	Z	-22.139	1.5
21	MP3A	Mx	-.021	1.5
22	MP3A	X	12.782	5.75
23	MP3A	Z	-22.139	5.75
24	MP3A	Mx	-.021	5.75
25	MP3B	X	9.562	1.5
26	MP3B	Z	-16.562	1.5
27	MP3B	Mx	.01	1.5
28	MP3B	X	9.562	5.75
29	MP3B	Z	-16.562	5.75
30	MP3B	Mx	.01	5.75
31	MP3C	X	12.782	1.5
32	MP3C	Z	-22.139	1.5
33	MP3C	Mx	.008	1.5
34	MP3C	X	12.782	5.75
35	MP3C	Z	-22.139	5.75
36	MP3C	Mx	.008	5.75
37	MP3A	X	12.782	1.5
38	MP3A	Z	-22.139	1.5
39	MP3A	Mx	.008	1.5
40	MP3A	X	12.782	5.75
41	MP3A	Z	-22.139	5.75
42	MP3A	Mx	.008	5.75
43	MP3B	X	9.562	1.5
44	MP3B	Z	-16.562	1.5
45	MP3B	Mx	.01	1.5
46	MP3B	X	9.562	5.75
47	MP3B	Z	-16.562	5.75
48	MP3B	Mx	.01	5.75
49	MP3C	X	12.782	1.5
50	MP3C	Z	-22.139	1.5
51	MP3C	Mx	-.021	1.5
52	MP3C	X	12.782	5.75
53	MP3C	Z	-22.139	5.75
54	MP3C	Mx	-.021	5.75
55	MP4A	X	7.074	2.75
56	MP4A	Z	-12.252	2.75
57	MP4A	Mx	-.004	2.75
58	MP4A	X	7.074	4.5
59	MP4A	Z	-12.252	4.5
60	MP4A	Mx	-.004	4.5
61	MP4B	X	3.523	2.75
62	MP4B	Z	-6.103	2.75
63	MP4B	Mx	.004	2.75
64	MP4B	X	3.523	4.5
65	MP4B	Z	-6.103	4.5
66	MP4B	Mx	.004	4.5
67	MP4C	X	7.074	2.75
68	MP4C	Z	-12.252	2.75
69	MP4C	Mx	-.004	2.75
70	MP4C	X	7.074	4.5
71	MP4C	Z	-12.252	4.5
72	MP4C	Mx	-.004	4.5
73	OVP1	X	13.525	1
74	OVP1	Z	-23.426	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP1	Mx	.009	1
76	MP3A	X	6.438	3
77	MP3A	Z	-11.151	3
78	MP3A	Mx	.003	3
79	MP3B	X	4.85	3
80	MP3B	Z	-8.401	3
81	MP3B	Mx	-.005	3
82	MP3C	X	6.438	3
83	MP3C	Z	-11.151	3
84	MP3C	Mx	.003	3
85	MP2A	X	6.343	3
86	MP2A	Z	-10.986	3
87	MP2A	Mx	.003	3
88	MP2B	X	4.469	3
89	MP2B	Z	-7.741	3
90	MP2B	Mx	-.004	3
91	MP2C	X	6.343	3
92	MP2C	Z	-10.986	3
93	MP2C	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.405	.75
2	MP2A	Z	-7.162	.75
3	MP2A	Mx	-.004	.75
4	MP2A	X	12.405	6.5
5	MP2A	Z	-7.162	6.5
6	MP2A	Mx	-.004	6.5
7	MP2B	X	12.405	.75
8	MP2B	Z	-7.162	.75
9	MP2B	Mx	.004	.75
10	MP2B	X	12.405	6.5
11	MP2B	Z	-7.162	6.5
12	MP2B	Mx	.004	6.5
13	MP2C	X	14.86	.75
14	MP2C	Z	-8.58	.75
15	MP2C	Mx	0	.75
16	MP2C	X	14.86	6.5
17	MP2C	Z	-8.58	6.5
18	MP2C	Mx	0	6.5
19	MP3A	X	18.421	1.5
20	MP3A	Z	-10.635	1.5
21	MP3A	Mx	-.016	1.5
22	MP3A	X	18.421	5.75
23	MP3A	Z	-10.635	5.75
24	MP3A	Mx	-.016	5.75
25	MP3B	X	18.421	1.5
26	MP3B	Z	-10.635	1.5
27	MP3B	Mx	.002	1.5
28	MP3B	X	18.421	5.75
29	MP3B	Z	-10.635	5.75
30	MP3B	Mx	.002	5.75
31	MP3C	X	23.998	1.5
32	MP3C	Z	-13.855	1.5
33	MP3C	Mx	.018	1.5
34	MP3C	X	23.998	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-13.855	5.75
36	MP3C	Mx	.018	5.75
37	MP3A	X	18.421	1.5
38	MP3A	Z	-10.635	1.5
39	MP3A	Mx	-.002	1.5
40	MP3A	X	18.421	5.75
41	MP3A	Z	-10.635	5.75
42	MP3A	Mx	-.002	5.75
43	MP3B	X	18.421	1.5
44	MP3B	Z	-10.635	1.5
45	MP3B	Mx	.016	1.5
46	MP3B	X	18.421	5.75
47	MP3B	Z	-10.635	5.75
48	MP3B	Mx	.016	5.75
49	MP3C	X	23.998	1.5
50	MP3C	Z	-13.855	1.5
51	MP3C	Mx	-.018	1.5
52	MP3C	X	23.998	5.75
53	MP3C	Z	-13.855	5.75
54	MP3C	Mx	-.018	5.75
55	MP4A	X	8.152	2.75
56	MP4A	Z	-4.707	2.75
57	MP4A	Mx	-.004	2.75
58	MP4A	X	8.152	4.5
59	MP4A	Z	-4.707	4.5
60	MP4A	Mx	-.004	4.5
61	MP4B	X	8.152	2.75
62	MP4B	Z	-4.707	2.75
63	MP4B	Mx	.004	2.75
64	MP4B	X	8.152	4.5
65	MP4B	Z	-4.707	4.5
66	MP4B	Mx	.004	4.5
67	MP4C	X	14.302	2.75
68	MP4C	Z	-8.257	2.75
69	MP4C	Mx	0	2.75
70	MP4C	X	14.302	4.5
71	MP4C	Z	-8.257	4.5
72	MP4C	Mx	0	4.5
73	OVP1	X	20.73	1
74	OVP1	Z	-11.968	1
75	OVP1	Mx	.014	1
76	MP3A	X	9.317	3
77	MP3A	Z	-5.379	3
78	MP3A	Mx	.005	3
79	MP3B	X	9.317	3
80	MP3B	Z	-5.379	3
81	MP3B	Mx	-.005	3
82	MP3C	X	12.067	3
83	MP3C	Z	-6.967	3
84	MP3C	Mx	0	3
85	MP2A	X	8.822	3
86	MP2A	Z	-5.094	3
87	MP2A	Mx	.004	3
88	MP2B	X	8.822	3
89	MP2B	Z	-5.094	3
90	MP2B	Mx	-.004	3
91	MP2C	X	12.067	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2C	Z	-6.967	3
93	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	13.379	.75
2	MP2A	Z	0	.75
3	MP2A	Mx	-.004	.75
4	MP2A	X	13.379	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	-.004	6.5
7	MP2B	X	16.214	.75
8	MP2B	Z	0	.75
9	MP2B	Mx	.003	.75
10	MP2B	X	16.214	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	.003	6.5
13	MP2C	X	16.214	.75
14	MP2C	Z	0	.75
15	MP2C	Mx	.003	.75
16	MP2C	X	16.214	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	.003	6.5
19	MP3A	X	19.124	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.01	1.5
22	MP3A	X	19.124	5.75
23	MP3A	Z	0	5.75
24	MP3A	Mx	-.01	5.75
25	MP3B	X	25.564	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.008	1.5
28	MP3B	X	25.564	5.75
29	MP3B	Z	0	5.75
30	MP3B	Mx	-.008	5.75
31	MP3C	X	25.564	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.021	1.5
34	MP3C	X	25.564	5.75
35	MP3C	Z	0	5.75
36	MP3C	Mx	.021	5.75
37	MP3A	X	19.124	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.01	1.5
40	MP3A	X	19.124	5.75
41	MP3A	Z	0	5.75
42	MP3A	Mx	-.01	5.75
43	MP3B	X	25.564	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.021	1.5
46	MP3B	X	25.564	5.75
47	MP3B	Z	0	5.75
48	MP3B	Mx	.021	5.75
49	MP3C	X	25.564	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.008	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	25.564	5.75
53	MP3C	Z	0	5.75
54	MP3C	Mx	-.008	5.75
55	MP4A	X	7.047	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	-.004	2.75
58	MP4A	X	7.047	4.5
59	MP4A	Z	0	4.5
60	MP4A	Mx	-.004	4.5
61	MP4B	X	14.147	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	.004	2.75
64	MP4B	X	14.147	4.5
65	MP4B	Z	0	4.5
66	MP4B	Mx	.004	4.5
67	MP4C	X	14.147	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	.004	2.75
70	MP4C	X	14.147	4.5
71	MP4C	Z	0	4.5
72	MP4C	Mx	.004	4.5
73	OVP1	X	22.38	1
74	OVP1	Z	0	1
75	OVP1	Mx	.015	1
76	MP3A	X	9.7	3
77	MP3A	Z	0	3
78	MP3A	Mx	.005	3
79	MP3B	X	12.876	3
80	MP3B	Z	0	3
81	MP3B	Mx	-.003	3
82	MP3C	X	12.876	3
83	MP3C	Z	0	3
84	MP3C	Mx	-.003	3
85	MP2A	X	8.938	3
86	MP2A	Z	0	3
87	MP2A	Mx	.004	3
88	MP2B	X	12.685	3
89	MP2B	Z	0	3
90	MP2B	Mx	-.003	3
91	MP2C	X	12.685	3
92	MP2C	Z	0	3
93	MP2C	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.405	.75
2	MP2A	Z	7.162	.75
3	MP2A	Mx	-.004	.75
4	MP2A	X	12.405	6.5
5	MP2A	Z	7.162	6.5
6	MP2A	Mx	-.004	6.5
7	MP2B	X	14.86	.75
8	MP2B	Z	8.58	.75
9	MP2B	Mx	0	.75
10	MP2B	X	14.86	6.5
11	MP2B	Z	8.58	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	0	6.5
13	MP2C	X	12.405	.75
14	MP2C	Z	7.162	.75
15	MP2C	Mx	.004	.75
16	MP2C	X	12.405	6.5
17	MP2C	Z	7.162	6.5
18	MP2C	Mx	.004	6.5
19	MP3A	X	18.421	1.5
20	MP3A	Z	10.635	1.5
21	MP3A	Mx	-.002	1.5
22	MP3A	X	18.421	5.75
23	MP3A	Z	10.635	5.75
24	MP3A	Mx	-.002	5.75
25	MP3B	X	23.998	1.5
26	MP3B	Z	13.855	1.5
27	MP3B	Mx	-.018	1.5
28	MP3B	X	23.998	5.75
29	MP3B	Z	13.855	5.75
30	MP3B	Mx	-.018	5.75
31	MP3C	X	18.421	1.5
32	MP3C	Z	10.635	1.5
33	MP3C	Mx	.016	1.5
34	MP3C	X	18.421	5.75
35	MP3C	Z	10.635	5.75
36	MP3C	Mx	.016	5.75
37	MP3A	X	18.421	1.5
38	MP3A	Z	10.635	1.5
39	MP3A	Mx	-.016	1.5
40	MP3A	X	18.421	5.75
41	MP3A	Z	10.635	5.75
42	MP3A	Mx	-.016	5.75
43	MP3B	X	23.998	1.5
44	MP3B	Z	13.855	1.5
45	MP3B	Mx	.018	1.5
46	MP3B	X	23.998	5.75
47	MP3B	Z	13.855	5.75
48	MP3B	Mx	.018	5.75
49	MP3C	X	18.421	1.5
50	MP3C	Z	10.635	1.5
51	MP3C	Mx	.002	1.5
52	MP3C	X	18.421	5.75
53	MP3C	Z	10.635	5.75
54	MP3C	Mx	.002	5.75
55	MP4A	X	8.152	2.75
56	MP4A	Z	4.707	2.75
57	MP4A	Mx	-.004	2.75
58	MP4A	X	8.152	4.5
59	MP4A	Z	4.707	4.5
60	MP4A	Mx	-.004	4.5
61	MP4B	X	14.302	2.75
62	MP4B	Z	8.257	2.75
63	MP4B	Mx	0	2.75
64	MP4B	X	14.302	4.5
65	MP4B	Z	8.257	4.5
66	MP4B	Mx	0	4.5
67	MP4C	X	8.152	2.75
68	MP4C	Z	4.707	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP4C	Mx	.004	2.75
70	MP4C	X	8.152	4.5
71	MP4C	Z	4.707	4.5
72	MP4C	Mx	.004	4.5
73	OVP1	X	20.73	1
74	OVP1	Z	11.968	1
75	OVP1	Mx	.014	1
76	MP3A	X	9.317	3
77	MP3A	Z	5.379	3
78	MP3A	Mx	.005	3
79	MP3B	X	12.067	3
80	MP3B	Z	6.967	3
81	MP3B	Mx	0	3
82	MP3C	X	9.317	3
83	MP3C	Z	5.379	3
84	MP3C	Mx	-.005	3
85	MP2A	X	8.822	3
86	MP2A	Z	5.094	3
87	MP2A	Mx	.004	3
88	MP2B	X	12.067	3
89	MP2B	Z	6.967	3
90	MP2B	Mx	0	3
91	MP2C	X	8.822	3
92	MP2C	Z	5.094	3
93	MP2C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.107	.75
2	MP2A	Z	14.042	.75
3	MP2A	Mx	-.003	.75
4	MP2A	X	8.107	6.5
5	MP2A	Z	14.042	6.5
6	MP2A	Mx	-.003	6.5
7	MP2B	X	8.107	.75
8	MP2B	Z	14.042	.75
9	MP2B	Mx	-.003	.75
10	MP2B	X	8.107	6.5
11	MP2B	Z	14.042	6.5
12	MP2B	Mx	-.003	6.5
13	MP2C	X	6.69	.75
14	MP2C	Z	11.587	.75
15	MP2C	Mx	.004	.75
16	MP2C	X	6.69	6.5
17	MP2C	Z	11.587	6.5
18	MP2C	Mx	.004	6.5
19	MP3A	X	12.782	1.5
20	MP3A	Z	22.139	1.5
21	MP3A	Mx	.008	1.5
22	MP3A	X	12.782	5.75
23	MP3A	Z	22.139	5.75
24	MP3A	Mx	.008	5.75
25	MP3B	X	12.782	1.5
26	MP3B	Z	22.139	1.5
27	MP3B	Mx	-.021	1.5
28	MP3B	X	12.782	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	22.139	5.75
30	MP3B	Mx	-.021	5.75
31	MP3C	X	9.562	1.5
32	MP3C	Z	16.562	1.5
33	MP3C	Mx	.01	1.5
34	MP3C	X	9.562	5.75
35	MP3C	Z	16.562	5.75
36	MP3C	Mx	.01	5.75
37	MP3A	X	12.782	1.5
38	MP3A	Z	22.139	1.5
39	MP3A	Mx	-.021	1.5
40	MP3A	X	12.782	5.75
41	MP3A	Z	22.139	5.75
42	MP3A	Mx	-.021	5.75
43	MP3B	X	12.782	1.5
44	MP3B	Z	22.139	1.5
45	MP3B	Mx	.008	1.5
46	MP3B	X	12.782	5.75
47	MP3B	Z	22.139	5.75
48	MP3B	Mx	.008	5.75
49	MP3C	X	9.562	1.5
50	MP3C	Z	16.562	1.5
51	MP3C	Mx	.01	1.5
52	MP3C	X	9.562	5.75
53	MP3C	Z	16.562	5.75
54	MP3C	Mx	.01	5.75
55	MP4A	X	7.074	2.75
56	MP4A	Z	12.252	2.75
57	MP4A	Mx	-.004	2.75
58	MP4A	X	7.074	4.5
59	MP4A	Z	12.252	4.5
60	MP4A	Mx	-.004	4.5
61	MP4B	X	7.074	2.75
62	MP4B	Z	12.252	2.75
63	MP4B	Mx	-.004	2.75
64	MP4B	X	7.074	4.5
65	MP4B	Z	12.252	4.5
66	MP4B	Mx	-.004	4.5
67	MP4C	X	3.523	2.75
68	MP4C	Z	6.103	2.75
69	MP4C	Mx	.004	2.75
70	MP4C	X	3.523	4.5
71	MP4C	Z	6.103	4.5
72	MP4C	Mx	.004	4.5
73	OVP1	X	13.525	1
74	OVP1	Z	23.426	1
75	OVP1	Mx	.009	1
76	MP3A	X	6.438	3
77	MP3A	Z	11.151	3
78	MP3A	Mx	.003	3
79	MP3B	X	6.438	3
80	MP3B	Z	11.151	3
81	MP3B	Mx	.003	3
82	MP3C	X	4.85	3
83	MP3C	Z	8.401	3
84	MP3C	Mx	-.005	3
85	MP2A	X	6.343	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP2A	Z	10.986	3
87	MP2A	Mx	.003	3
88	MP2B	X	6.343	3
89	MP2B	Z	10.986	3
90	MP2B	Mx	.003	3
91	MP2C	X	4.469	3
92	MP2C	Z	7.741	3
93	MP2C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.75
2	MP2A	Z	17.159	.75
3	MP2A	Mx	0	.75
4	MP2A	X	0	6.5
5	MP2A	Z	17.159	6.5
6	MP2A	Mx	0	6.5
7	MP2B	X	0	.75
8	MP2B	Z	14.324	.75
9	MP2B	Mx	-.004	.75
10	MP2B	X	0	6.5
11	MP2B	Z	14.324	6.5
12	MP2B	Mx	-.004	6.5
13	MP2C	X	0	.75
14	MP2C	Z	14.324	.75
15	MP2C	Mx	.004	.75
16	MP2C	X	0	6.5
17	MP2C	Z	14.324	6.5
18	MP2C	Mx	.004	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	27.711	1.5
21	MP3A	Mx	.018	1.5
22	MP3A	X	0	5.75
23	MP3A	Z	27.711	5.75
24	MP3A	Mx	.018	5.75
25	MP3B	X	0	1.5
26	MP3B	Z	21.271	1.5
27	MP3B	Mx	-.016	1.5
28	MP3B	X	0	5.75
29	MP3B	Z	21.271	5.75
30	MP3B	Mx	-.016	5.75
31	MP3C	X	0	1.5
32	MP3C	Z	21.271	1.5
33	MP3C	Mx	.002	1.5
34	MP3C	X	0	5.75
35	MP3C	Z	21.271	5.75
36	MP3C	Mx	.002	5.75
37	MP3A	X	0	1.5
38	MP3A	Z	27.711	1.5
39	MP3A	Mx	-.018	1.5
40	MP3A	X	0	5.75
41	MP3A	Z	27.711	5.75
42	MP3A	Mx	-.018	5.75
43	MP3B	X	0	1.5
44	MP3B	Z	21.271	1.5
45	MP3B	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	0	5.75
47	MP3B	Z	21.271	5.75
48	MP3B	Mx	-.002	5.75
49	MP3C	X	0	1.5
50	MP3C	Z	21.271	1.5
51	MP3C	Mx	.016	1.5
52	MP3C	X	0	5.75
53	MP3C	Z	21.271	5.75
54	MP3C	Mx	.016	5.75
55	MP4A	X	0	2.75
56	MP4A	Z	16.514	2.75
57	MP4A	Mx	0	2.75
58	MP4A	X	0	4.5
59	MP4A	Z	16.514	4.5
60	MP4A	Mx	0	4.5
61	MP4B	X	0	2.75
62	MP4B	Z	9.414	2.75
63	MP4B	Mx	-.004	2.75
64	MP4B	X	0	4.5
65	MP4B	Z	9.414	4.5
66	MP4B	Mx	-.004	4.5
67	MP4C	X	0	2.75
68	MP4C	Z	9.414	2.75
69	MP4C	Mx	.004	2.75
70	MP4C	X	0	4.5
71	MP4C	Z	9.414	4.5
72	MP4C	Mx	.004	4.5
73	OVP1	X	0	1
74	OVP1	Z	28.607	1
75	OVP1	Mx	0	1
76	MP3A	X	0	3
77	MP3A	Z	13.934	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	10.759	3
81	MP3B	Mx	.005	3
82	MP3C	X	0	3
83	MP3C	Z	10.759	3
84	MP3C	Mx	-.005	3
85	MP2A	X	0	3
86	MP2A	Z	13.934	3
87	MP2A	Mx	0	3
88	MP2B	X	0	3
89	MP2B	Z	10.187	3
90	MP2B	Mx	.004	3
91	MP2C	X	0	3
92	MP2C	Z	10.187	3
93	MP2C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.107	.75
2	MP2A	Z	14.042	.75
3	MP2A	Mx	.003	.75
4	MP2A	X	-8.107	6.5
5	MP2A	Z	14.042	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.003	6.5
7	MP2B	X	-6.69	.75
8	MP2B	Z	11.587	.75
9	MP2B	Mx	-.004	.75
10	MP2B	X	-6.69	6.5
11	MP2B	Z	11.587	6.5
12	MP2B	Mx	-.004	6.5
13	MP2C	X	-8.107	.75
14	MP2C	Z	14.042	.75
15	MP2C	Mx	.003	.75
16	MP2C	X	-8.107	6.5
17	MP2C	Z	14.042	6.5
18	MP2C	Mx	.003	6.5
19	MP3A	X	-12.782	1.5
20	MP3A	Z	22.139	1.5
21	MP3A	Mx	.021	1.5
22	MP3A	X	-12.782	5.75
23	MP3A	Z	22.139	5.75
24	MP3A	Mx	.021	5.75
25	MP3B	X	-9.562	1.5
26	MP3B	Z	16.562	1.5
27	MP3B	Mx	-.01	1.5
28	MP3B	X	-9.562	5.75
29	MP3B	Z	16.562	5.75
30	MP3B	Mx	-.01	5.75
31	MP3C	X	-12.782	1.5
32	MP3C	Z	22.139	1.5
33	MP3C	Mx	-.008	1.5
34	MP3C	X	-12.782	5.75
35	MP3C	Z	22.139	5.75
36	MP3C	Mx	-.008	5.75
37	MP3A	X	-12.782	1.5
38	MP3A	Z	22.139	1.5
39	MP3A	Mx	-.008	1.5
40	MP3A	X	-12.782	5.75
41	MP3A	Z	22.139	5.75
42	MP3A	Mx	-.008	5.75
43	MP3B	X	-9.562	1.5
44	MP3B	Z	16.562	1.5
45	MP3B	Mx	-.01	1.5
46	MP3B	X	-9.562	5.75
47	MP3B	Z	16.562	5.75
48	MP3B	Mx	-.01	5.75
49	MP3C	X	-12.782	1.5
50	MP3C	Z	22.139	1.5
51	MP3C	Mx	.021	1.5
52	MP3C	X	-12.782	5.75
53	MP3C	Z	22.139	5.75
54	MP3C	Mx	.021	5.75
55	MP4A	X	-7.074	2.75
56	MP4A	Z	12.252	2.75
57	MP4A	Mx	.004	2.75
58	MP4A	X	-7.074	4.5
59	MP4A	Z	12.252	4.5
60	MP4A	Mx	.004	4.5
61	MP4B	X	-3.523	2.75
62	MP4B	Z	6.103	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	-.004	2.75
64	MP4B	X	-3.523	4.5
65	MP4B	Z	6.103	4.5
66	MP4B	Mx	-.004	4.5
67	MP4C	X	-7.074	2.75
68	MP4C	Z	12.252	2.75
69	MP4C	Mx	.004	2.75
70	MP4C	X	-7.074	4.5
71	MP4C	Z	12.252	4.5
72	MP4C	Mx	.004	4.5
73	OVP1	X	-13.525	1
74	OVP1	Z	23.426	1
75	OVP1	Mx	-.009	1
76	MP3A	X	-6.438	3
77	MP3A	Z	11.151	3
78	MP3A	Mx	-.003	3
79	MP3B	X	-4.85	3
80	MP3B	Z	8.401	3
81	MP3B	Mx	.005	3
82	MP3C	X	-6.438	3
83	MP3C	Z	11.151	3
84	MP3C	Mx	-.003	3
85	MP2A	X	-6.343	3
86	MP2A	Z	10.986	3
87	MP2A	Mx	-.003	3
88	MP2B	X	-4.469	3
89	MP2B	Z	7.741	3
90	MP2B	Mx	.004	3
91	MP2C	X	-6.343	3
92	MP2C	Z	10.986	3
93	MP2C	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.405	.75
2	MP2A	Z	7.162	.75
3	MP2A	Mx	.004	.75
4	MP2A	X	-12.405	6.5
5	MP2A	Z	7.162	6.5
6	MP2A	Mx	.004	6.5
7	MP2B	X	-12.405	.75
8	MP2B	Z	7.162	.75
9	MP2B	Mx	-.004	.75
10	MP2B	X	-12.405	6.5
11	MP2B	Z	7.162	6.5
12	MP2B	Mx	-.004	6.5
13	MP2C	X	-14.86	.75
14	MP2C	Z	8.58	.75
15	MP2C	Mx	0	.75
16	MP2C	X	-14.86	6.5
17	MP2C	Z	8.58	6.5
18	MP2C	Mx	0	6.5
19	MP3A	X	-18.421	1.5
20	MP3A	Z	10.635	1.5
21	MP3A	Mx	.016	1.5
22	MP3A	X	-18.421	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	10.635	5.75
24	MP3A	Mx	.016	5.75
25	MP3B	X	-18.421	1.5
26	MP3B	Z	10.635	1.5
27	MP3B	Mx	-.002	1.5
28	MP3B	X	-18.421	5.75
29	MP3B	Z	10.635	5.75
30	MP3B	Mx	-.002	5.75
31	MP3C	X	-23.998	1.5
32	MP3C	Z	13.855	1.5
33	MP3C	Mx	-.018	1.5
34	MP3C	X	-23.998	5.75
35	MP3C	Z	13.855	5.75
36	MP3C	Mx	-.018	5.75
37	MP3A	X	-18.421	1.5
38	MP3A	Z	10.635	1.5
39	MP3A	Mx	.002	1.5
40	MP3A	X	-18.421	5.75
41	MP3A	Z	10.635	5.75
42	MP3A	Mx	.002	5.75
43	MP3B	X	-18.421	1.5
44	MP3B	Z	10.635	1.5
45	MP3B	Mx	-.016	1.5
46	MP3B	X	-18.421	5.75
47	MP3B	Z	10.635	5.75
48	MP3B	Mx	-.016	5.75
49	MP3C	X	-23.998	1.5
50	MP3C	Z	13.855	1.5
51	MP3C	Mx	.018	1.5
52	MP3C	X	-23.998	5.75
53	MP3C	Z	13.855	5.75
54	MP3C	Mx	.018	5.75
55	MP4A	X	-8.152	2.75
56	MP4A	Z	4.707	2.75
57	MP4A	Mx	.004	2.75
58	MP4A	X	-8.152	4.5
59	MP4A	Z	4.707	4.5
60	MP4A	Mx	.004	4.5
61	MP4B	X	-8.152	2.75
62	MP4B	Z	4.707	2.75
63	MP4B	Mx	-.004	2.75
64	MP4B	X	-8.152	4.5
65	MP4B	Z	4.707	4.5
66	MP4B	Mx	-.004	4.5
67	MP4C	X	-14.302	2.75
68	MP4C	Z	8.257	2.75
69	MP4C	Mx	0	2.75
70	MP4C	X	-14.302	4.5
71	MP4C	Z	8.257	4.5
72	MP4C	Mx	0	4.5
73	OVP1	X	-20.73	1
74	OVP1	Z	11.968	1
75	OVP1	Mx	-.014	1
76	MP3A	X	-9.317	3
77	MP3A	Z	5.379	3
78	MP3A	Mx	-.005	3
79	MP3B	X	-9.317	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	5.379	3
81	MP3B	Mx	.005	3
82	MP3C	X	-12.067	3
83	MP3C	Z	6.967	3
84	MP3C	Mx	0	3
85	MP2A	X	-8.822	3
86	MP2A	Z	5.094	3
87	MP2A	Mx	-.004	3
88	MP2B	X	-8.822	3
89	MP2B	Z	5.094	3
90	MP2B	Mx	.004	3
91	MP2C	X	-12.067	3
92	MP2C	Z	6.967	3
93	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-13.379	.75
2	MP2A	Z	0	.75
3	MP2A	Mx	.004	.75
4	MP2A	X	-13.379	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	.004	6.5
7	MP2B	X	-16.214	.75
8	MP2B	Z	0	.75
9	MP2B	Mx	-.003	.75
10	MP2B	X	-16.214	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	-.003	6.5
13	MP2C	X	-16.214	.75
14	MP2C	Z	0	.75
15	MP2C	Mx	-.003	.75
16	MP2C	X	-16.214	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	-.003	6.5
19	MP3A	X	-19.124	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.01	1.5
22	MP3A	X	-19.124	5.75
23	MP3A	Z	0	5.75
24	MP3A	Mx	.01	5.75
25	MP3B	X	-25.564	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.008	1.5
28	MP3B	X	-25.564	5.75
29	MP3B	Z	0	5.75
30	MP3B	Mx	.008	5.75
31	MP3C	X	-25.564	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.021	1.5
34	MP3C	X	-25.564	5.75
35	MP3C	Z	0	5.75
36	MP3C	Mx	-.021	5.75
37	MP3A	X	-19.124	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.01	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	-19.124	5.75
41	MP3A	Z	0	5.75
42	MP3A	Mx	.01	5.75
43	MP3B	X	-25.564	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.021	1.5
46	MP3B	X	-25.564	5.75
47	MP3B	Z	0	5.75
48	MP3B	Mx	-.021	5.75
49	MP3C	X	-25.564	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.008	1.5
52	MP3C	X	-25.564	5.75
53	MP3C	Z	0	5.75
54	MP3C	Mx	.008	5.75
55	MP4A	X	-7.047	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	.004	2.75
58	MP4A	X	-7.047	4.5
59	MP4A	Z	0	4.5
60	MP4A	Mx	.004	4.5
61	MP4B	X	-14.147	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	-.004	2.75
64	MP4B	X	-14.147	4.5
65	MP4B	Z	0	4.5
66	MP4B	Mx	-.004	4.5
67	MP4C	X	-14.147	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	-.004	2.75
70	MP4C	X	-14.147	4.5
71	MP4C	Z	0	4.5
72	MP4C	Mx	-.004	4.5
73	OVP1	X	-22.38	1
74	OVP1	Z	0	1
75	OVP1	Mx	-.015	1
76	MP3A	X	-9.7	3
77	MP3A	Z	0	3
78	MP3A	Mx	-.005	3
79	MP3B	X	-12.876	3
80	MP3B	Z	0	3
81	MP3B	Mx	.003	3
82	MP3C	X	-12.876	3
83	MP3C	Z	0	3
84	MP3C	Mx	.003	3
85	MP2A	X	-8.938	3
86	MP2A	Z	0	3
87	MP2A	Mx	-.004	3
88	MP2B	X	-12.685	3
89	MP2B	Z	0	3
90	MP2B	Mx	.003	3
91	MP2C	X	-12.685	3
92	MP2C	Z	0	3
93	MP2C	Mx	.003	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.405	.75
2	MP2A	Z	-7.162	.75
3	MP2A	Mx	.004	.75
4	MP2A	X	-12.405	6.5
5	MP2A	Z	-7.162	6.5
6	MP2A	Mx	.004	6.5
7	MP2B	X	-14.86	.75
8	MP2B	Z	-8.58	.75
9	MP2B	Mx	0	.75
10	MP2B	X	-14.86	6.5
11	MP2B	Z	-8.58	6.5
12	MP2B	Mx	0	6.5
13	MP2C	X	-12.405	.75
14	MP2C	Z	-7.162	.75
15	MP2C	Mx	-.004	.75
16	MP2C	X	-12.405	6.5
17	MP2C	Z	-7.162	6.5
18	MP2C	Mx	-.004	6.5
19	MP3A	X	-18.421	1.5
20	MP3A	Z	-10.635	1.5
21	MP3A	Mx	.002	1.5
22	MP3A	X	-18.421	5.75
23	MP3A	Z	-10.635	5.75
24	MP3A	Mx	.002	5.75
25	MP3B	X	-23.998	1.5
26	MP3B	Z	-13.855	1.5
27	MP3B	Mx	.018	1.5
28	MP3B	X	-23.998	5.75
29	MP3B	Z	-13.855	5.75
30	MP3B	Mx	.018	5.75
31	MP3C	X	-18.421	1.5
32	MP3C	Z	-10.635	1.5
33	MP3C	Mx	-.016	1.5
34	MP3C	X	-18.421	5.75
35	MP3C	Z	-10.635	5.75
36	MP3C	Mx	-.016	5.75
37	MP3A	X	-18.421	1.5
38	MP3A	Z	-10.635	1.5
39	MP3A	Mx	.016	1.5
40	MP3A	X	-18.421	5.75
41	MP3A	Z	-10.635	5.75
42	MP3A	Mx	.016	5.75
43	MP3B	X	-23.998	1.5
44	MP3B	Z	-13.855	1.5
45	MP3B	Mx	-.018	1.5
46	MP3B	X	-23.998	5.75
47	MP3B	Z	-13.855	5.75
48	MP3B	Mx	-.018	5.75
49	MP3C	X	-18.421	1.5
50	MP3C	Z	-10.635	1.5
51	MP3C	Mx	-.002	1.5
52	MP3C	X	-18.421	5.75
53	MP3C	Z	-10.635	5.75
54	MP3C	Mx	-.002	5.75
55	MP4A	X	-8.152	2.75
56	MP4A	Z	-4.707	2.75
57	MP4A	Mx	.004	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-8.152	4.5
59	MP4A	Z	-4.707	4.5
60	MP4A	Mx	.004	4.5
61	MP4B	X	-14.302	2.75
62	MP4B	Z	-8.257	2.75
63	MP4B	Mx	0	2.75
64	MP4B	X	-14.302	4.5
65	MP4B	Z	-8.257	4.5
66	MP4B	Mx	0	4.5
67	MP4C	X	-8.152	2.75
68	MP4C	Z	-4.707	2.75
69	MP4C	Mx	-.004	2.75
70	MP4C	X	-8.152	4.5
71	MP4C	Z	-4.707	4.5
72	MP4C	Mx	-.004	4.5
73	OVP1	X	-20.73	1
74	OVP1	Z	-11.968	1
75	OVP1	Mx	-.014	1
76	MP3A	X	-9.317	3
77	MP3A	Z	-5.379	3
78	MP3A	Mx	-.005	3
79	MP3B	X	-12.067	3
80	MP3B	Z	-6.967	3
81	MP3B	Mx	0	3
82	MP3C	X	-9.317	3
83	MP3C	Z	-5.379	3
84	MP3C	Mx	.005	3
85	MP2A	X	-8.822	3
86	MP2A	Z	-5.094	3
87	MP2A	Mx	-.004	3
88	MP2B	X	-12.067	3
89	MP2B	Z	-6.967	3
90	MP2B	Mx	0	3
91	MP2C	X	-8.822	3
92	MP2C	Z	-5.094	3
93	MP2C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.107	.75
2	MP2A	Z	-14.042	.75
3	MP2A	Mx	.003	.75
4	MP2A	X	-8.107	6.5
5	MP2A	Z	-14.042	6.5
6	MP2A	Mx	.003	6.5
7	MP2B	X	-8.107	.75
8	MP2B	Z	-14.042	.75
9	MP2B	Mx	.003	.75
10	MP2B	X	-8.107	6.5
11	MP2B	Z	-14.042	6.5
12	MP2B	Mx	.003	6.5
13	MP2C	X	-6.69	.75
14	MP2C	Z	-11.587	.75
15	MP2C	Mx	-.004	.75
16	MP2C	X	-6.69	6.5
17	MP2C	Z	-11.587	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.004	6.5
19	MP3A	X	-12.782	1.5
20	MP3A	Z	-22.139	1.5
21	MP3A	Mx	-.008	1.5
22	MP3A	X	-12.782	5.75
23	MP3A	Z	-22.139	5.75
24	MP3A	Mx	-.008	5.75
25	MP3B	X	-12.782	1.5
26	MP3B	Z	-22.139	1.5
27	MP3B	Mx	.021	1.5
28	MP3B	X	-12.782	5.75
29	MP3B	Z	-22.139	5.75
30	MP3B	Mx	.021	5.75
31	MP3C	X	-9.562	1.5
32	MP3C	Z	-16.562	1.5
33	MP3C	Mx	-.01	1.5
34	MP3C	X	-9.562	5.75
35	MP3C	Z	-16.562	5.75
36	MP3C	Mx	-.01	5.75
37	MP3A	X	-12.782	1.5
38	MP3A	Z	-22.139	1.5
39	MP3A	Mx	.021	1.5
40	MP3A	X	-12.782	5.75
41	MP3A	Z	-22.139	5.75
42	MP3A	Mx	.021	5.75
43	MP3B	X	-12.782	1.5
44	MP3B	Z	-22.139	1.5
45	MP3B	Mx	-.008	1.5
46	MP3B	X	-12.782	5.75
47	MP3B	Z	-22.139	5.75
48	MP3B	Mx	-.008	5.75
49	MP3C	X	-9.562	1.5
50	MP3C	Z	-16.562	1.5
51	MP3C	Mx	-.01	1.5
52	MP3C	X	-9.562	5.75
53	MP3C	Z	-16.562	5.75
54	MP3C	Mx	-.01	5.75
55	MP4A	X	-7.074	2.75
56	MP4A	Z	-12.252	2.75
57	MP4A	Mx	.004	2.75
58	MP4A	X	-7.074	4.5
59	MP4A	Z	-12.252	4.5
60	MP4A	Mx	.004	4.5
61	MP4B	X	-7.074	2.75
62	MP4B	Z	-12.252	2.75
63	MP4B	Mx	.004	2.75
64	MP4B	X	-7.074	4.5
65	MP4B	Z	-12.252	4.5
66	MP4B	Mx	.004	4.5
67	MP4C	X	-3.523	2.75
68	MP4C	Z	-6.103	2.75
69	MP4C	Mx	-.004	2.75
70	MP4C	X	-3.523	4.5
71	MP4C	Z	-6.103	4.5
72	MP4C	Mx	-.004	4.5
73	OVP1	X	-13.525	1
74	OVP1	Z	-23.426	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP1	Mx	-.009	1
76	MP3A	X	-6.438	3
77	MP3A	Z	-11.151	3
78	MP3A	Mx	-.003	3
79	MP3B	X	-6.438	3
80	MP3B	Z	-11.151	3
81	MP3B	Mx	-.003	3
82	MP3C	X	-4.85	3
83	MP3C	Z	-8.401	3
84	MP3C	Mx	.005	3
85	MP2A	X	-6.343	3
86	MP2A	Z	-10.986	3
87	MP2A	Mx	-.003	3
88	MP2B	X	-6.343	3
89	MP2B	Z	-10.986	3
90	MP2B	Mx	-.003	3
91	MP2C	X	-4.469	3
92	MP2C	Z	-7.741	3
93	MP2C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.75
2	MP2A	Z	-5.295	.75
3	MP2A	Mx	0	.75
4	MP2A	X	0	6.5
5	MP2A	Z	-5.295	6.5
6	MP2A	Mx	0	6.5
7	MP2B	X	0	.75
8	MP2B	Z	-4.316	.75
9	MP2B	Mx	.001	.75
10	MP2B	X	0	6.5
11	MP2B	Z	-4.316	6.5
12	MP2B	Mx	.001	6.5
13	MP2C	X	0	.75
14	MP2C	Z	-4.316	.75
15	MP2C	Mx	-.001	.75
16	MP2C	X	0	6.5
17	MP2C	Z	-4.316	6.5
18	MP2C	Mx	-.001	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	-9.026	1.5
21	MP3A	Mx	-.006	1.5
22	MP3A	X	0	5.75
23	MP3A	Z	-9.026	5.75
24	MP3A	Mx	-.006	5.75
25	MP3B	X	0	1.5
26	MP3B	Z	-6.731	1.5
27	MP3B	Mx	.005	1.5
28	MP3B	X	0	5.75
29	MP3B	Z	-6.731	5.75
30	MP3B	Mx	.005	5.75
31	MP3C	X	0	1.5
32	MP3C	Z	-6.731	1.5
33	MP3C	Mx	-.000671	1.5
34	MP3C	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-6.731	5.75
36	MP3C	Mx	-.000671	5.75
37	MP3A	X	0	1.5
38	MP3A	Z	-9.026	1.5
39	MP3A	Mx	.006	1.5
40	MP3A	X	0	5.75
41	MP3A	Z	-9.026	5.75
42	MP3A	Mx	.006	5.75
43	MP3B	X	0	1.5
44	MP3B	Z	-6.731	1.5
45	MP3B	Mx	.000671	1.5
46	MP3B	X	0	5.75
47	MP3B	Z	-6.731	5.75
48	MP3B	Mx	.000671	5.75
49	MP3C	X	0	1.5
50	MP3C	Z	-6.731	1.5
51	MP3C	Mx	-.005	1.5
52	MP3C	X	0	5.75
53	MP3C	Z	-6.731	5.75
54	MP3C	Mx	-.005	5.75
55	MP4A	X	0	2.75
56	MP4A	Z	-5.25	2.75
57	MP4A	Mx	0	2.75
58	MP4A	X	0	4.5
59	MP4A	Z	-5.25	4.5
60	MP4A	Mx	0	4.5
61	MP4B	X	0	2.75
62	MP4B	Z	-2.854	2.75
63	MP4B	Mx	.001	2.75
64	MP4B	X	0	4.5
65	MP4B	Z	-2.854	4.5
66	MP4B	Mx	.001	4.5
67	MP4C	X	0	2.75
68	MP4C	Z	-2.854	2.75
69	MP4C	Mx	-.001	2.75
70	MP4C	X	0	4.5
71	MP4C	Z	-2.854	4.5
72	MP4C	Mx	-.001	4.5
73	OVP1	X	0	1
74	OVP1	Z	-9.07	1
75	OVP1	Mx	0	1
76	MP3A	X	0	3
77	MP3A	Z	-4.178	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	-3.139	3
81	MP3B	Mx	-.001	3
82	MP3C	X	0	3
83	MP3C	Z	-3.139	3
84	MP3C	Mx	.001	3
85	MP2A	X	0	3
86	MP2A	Z	-4.178	3
87	MP2A	Mx	0	3
88	MP2B	X	0	3
89	MP2B	Z	-2.95	3
90	MP2B	Mx	-.001	3
91	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2C	Z	-2.95	3
93	MP2C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.484	.75
2	MP2A	Z	-4.303	.75
3	MP2A	Mx	-.000828	.75
4	MP2A	X	2.484	6.5
5	MP2A	Z	-4.303	6.5
6	MP2A	Mx	-.000828	6.5
7	MP2B	X	1.995	.75
8	MP2B	Z	-3.455	.75
9	MP2B	Mx	.001	.75
10	MP2B	X	1.995	6.5
11	MP2B	Z	-3.455	6.5
12	MP2B	Mx	.001	6.5
13	MP2C	X	2.484	.75
14	MP2C	Z	-4.303	.75
15	MP2C	Mx	-.000828	.75
16	MP2C	X	2.484	6.5
17	MP2C	Z	-4.303	6.5
18	MP2C	Mx	-.000828	6.5
19	MP3A	X	4.13	1.5
20	MP3A	Z	-7.154	1.5
21	MP3A	Mx	-.007	1.5
22	MP3A	X	4.13	5.75
23	MP3A	Z	-7.154	5.75
24	MP3A	Mx	-.007	5.75
25	MP3B	X	2.983	1.5
26	MP3B	Z	-5.167	1.5
27	MP3B	Mx	.003	1.5
28	MP3B	X	2.983	5.75
29	MP3B	Z	-5.167	5.75
30	MP3B	Mx	.003	5.75
31	MP3C	X	4.13	1.5
32	MP3C	Z	-7.154	1.5
33	MP3C	Mx	.003	1.5
34	MP3C	X	4.13	5.75
35	MP3C	Z	-7.154	5.75
36	MP3C	Mx	.003	5.75
37	MP3A	X	4.13	1.5
38	MP3A	Z	-7.154	1.5
39	MP3A	Mx	.003	1.5
40	MP3A	X	4.13	5.75
41	MP3A	Z	-7.154	5.75
42	MP3A	Mx	.003	5.75
43	MP3B	X	2.983	1.5
44	MP3B	Z	-5.167	1.5
45	MP3B	Mx	.003	1.5
46	MP3B	X	2.983	5.75
47	MP3B	Z	-5.167	5.75
48	MP3B	Mx	.003	5.75
49	MP3C	X	4.13	1.5
50	MP3C	Z	-7.154	1.5
51	MP3C	Mx	-.007	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	4.13	5.75
53	MP3C	Z	-7.154	5.75
54	MP3C	Mx	-.007	5.75
55	MP4A	X	2.226	2.75
56	MP4A	Z	-3.855	2.75
57	MP4A	Mx	-.001	2.75
58	MP4A	X	2.226	4.5
59	MP4A	Z	-3.855	4.5
60	MP4A	Mx	-.001	4.5
61	MP4B	X	1.028	2.75
62	MP4B	Z	-1.78	2.75
63	MP4B	Mx	.001	2.75
64	MP4B	X	1.028	4.5
65	MP4B	Z	-1.78	4.5
66	MP4B	Mx	.001	4.5
67	MP4C	X	2.226	2.75
68	MP4C	Z	-3.855	2.75
69	MP4C	Mx	-.001	2.75
70	MP4C	X	2.226	4.5
71	MP4C	Z	-3.855	4.5
72	MP4C	Mx	-.001	4.5
73	OVP1	X	4.266	1
74	OVP1	Z	-7.39	1
75	OVP1	Mx	.003	1
76	MP3A	X	1.916	3
77	MP3A	Z	-3.318	3
78	MP3A	Mx	.000958	3
79	MP3B	X	1.396	3
80	MP3B	Z	-2.418	3
81	MP3B	Mx	-.001	3
82	MP3C	X	1.916	3
83	MP3C	Z	-3.318	3
84	MP3C	Mx	.000958	3
85	MP2A	X	1.884	3
86	MP2A	Z	-3.264	3
87	MP2A	Mx	.000942	3
88	MP2B	X	1.271	3
89	MP2B	Z	-2.201	3
90	MP2B	Mx	-.001	3
91	MP2C	X	1.884	3
92	MP2C	Z	-3.264	3
93	MP2C	Mx	.000942	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.738	.75
2	MP2A	Z	-2.158	.75
3	MP2A	Mx	-.001	.75
4	MP2A	X	3.738	6.5
5	MP2A	Z	-2.158	6.5
6	MP2A	Mx	-.001	6.5
7	MP2B	X	3.738	.75
8	MP2B	Z	-2.158	.75
9	MP2B	Mx	.001	.75
10	MP2B	X	3.738	6.5
11	MP2B	Z	-2.158	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.001	6.5
13	MP2C	X	4.585	.75
14	MP2C	Z	-2.647	.75
15	MP2C	Mx	0	.75
16	MP2C	X	4.585	6.5
17	MP2C	Z	-2.647	6.5
18	MP2C	Mx	0	6.5
19	MP3A	X	5.83	1.5
20	MP3A	Z	-3.366	1.5
21	MP3A	Mx	-.005	1.5
22	MP3A	X	5.83	5.75
23	MP3A	Z	-3.366	5.75
24	MP3A	Mx	-.005	5.75
25	MP3B	X	5.83	1.5
26	MP3B	Z	-3.366	1.5
27	MP3B	Mx	.000671	1.5
28	MP3B	X	5.83	5.75
29	MP3B	Z	-3.366	5.75
30	MP3B	Mx	.000671	5.75
31	MP3C	X	7.816	1.5
32	MP3C	Z	-4.513	1.5
33	MP3C	Mx	.006	1.5
34	MP3C	X	7.816	5.75
35	MP3C	Z	-4.513	5.75
36	MP3C	Mx	.006	5.75
37	MP3A	X	5.83	1.5
38	MP3A	Z	-3.366	1.5
39	MP3A	Mx	-.000671	1.5
40	MP3A	X	5.83	5.75
41	MP3A	Z	-3.366	5.75
42	MP3A	Mx	-.000671	5.75
43	MP3B	X	5.83	1.5
44	MP3B	Z	-3.366	1.5
45	MP3B	Mx	.005	1.5
46	MP3B	X	5.83	5.75
47	MP3B	Z	-3.366	5.75
48	MP3B	Mx	.005	5.75
49	MP3C	X	7.816	1.5
50	MP3C	Z	-4.513	1.5
51	MP3C	Mx	-.006	1.5
52	MP3C	X	7.816	5.75
53	MP3C	Z	-4.513	5.75
54	MP3C	Mx	-.006	5.75
55	MP4A	X	2.472	2.75
56	MP4A	Z	-1.427	2.75
57	MP4A	Mx	-.001	2.75
58	MP4A	X	2.472	4.5
59	MP4A	Z	-1.427	4.5
60	MP4A	Mx	-.001	4.5
61	MP4B	X	2.472	2.75
62	MP4B	Z	-1.427	2.75
63	MP4B	Mx	.001	2.75
64	MP4B	X	2.472	4.5
65	MP4B	Z	-1.427	4.5
66	MP4B	Mx	.001	4.5
67	MP4C	X	4.547	2.75
68	MP4C	Z	-2.625	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP4C	Mx	0	2.75
70	MP4C	X	4.547	4.5
71	MP4C	Z	-2.625	4.5
72	MP4C	Mx	0	4.5
73	OVP1	X	6.458	1
74	OVP1	Z	-3.729	1
75	OVP1	Mx	.004	1
76	MP3A	X	2.718	3
77	MP3A	Z	-1.569	3
78	MP3A	Mx	.001	3
79	MP3B	X	2.718	3
80	MP3B	Z	-1.569	3
81	MP3B	Mx	-.001	3
82	MP3C	X	3.618	3
83	MP3C	Z	-2.089	3
84	MP3C	Mx	0	3
85	MP2A	X	2.555	3
86	MP2A	Z	-1.475	3
87	MP2A	Mx	.001	3
88	MP2B	X	2.555	3
89	MP2B	Z	-1.475	3
90	MP2B	Mx	-.001	3
91	MP2C	X	3.618	3
92	MP2C	Z	-2.089	3
93	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.99	.75
2	MP2A	Z	0	.75
3	MP2A	Mx	-.001	.75
4	MP2A	X	3.99	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	-.001	6.5
7	MP2B	X	4.968	.75
8	MP2B	Z	0	.75
9	MP2B	Mx	.000828	.75
10	MP2B	X	4.968	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	.000828	6.5
13	MP2C	X	4.968	.75
14	MP2C	Z	0	.75
15	MP2C	Mx	.000828	.75
16	MP2C	X	4.968	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	.000828	6.5
19	MP3A	X	5.967	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.003	1.5
22	MP3A	X	5.967	5.75
23	MP3A	Z	0	5.75
24	MP3A	Mx	-.003	5.75
25	MP3B	X	8.261	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.003	1.5
28	MP3B	X	8.261	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	0	5.75
30	MP3B	Mx	-.003	5.75
31	MP3C	X	8.261	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.007	1.5
34	MP3C	X	8.261	5.75
35	MP3C	Z	0	5.75
36	MP3C	Mx	.007	5.75
37	MP3A	X	5.967	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.003	1.5
40	MP3A	X	5.967	5.75
41	MP3A	Z	0	5.75
42	MP3A	Mx	-.003	5.75
43	MP3B	X	8.261	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	.007	1.5
46	MP3B	X	8.261	5.75
47	MP3B	Z	0	5.75
48	MP3B	Mx	.007	5.75
49	MP3C	X	8.261	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	-.003	1.5
52	MP3C	X	8.261	5.75
53	MP3C	Z	0	5.75
54	MP3C	Mx	-.003	5.75
55	MP4A	X	2.055	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	-.001	2.75
58	MP4A	X	2.055	4.5
59	MP4A	Z	0	4.5
60	MP4A	Mx	-.001	4.5
61	MP4B	X	4.451	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	.001	2.75
64	MP4B	X	4.451	4.5
65	MP4B	Z	0	4.5
66	MP4B	Mx	.001	4.5
67	MP4C	X	4.451	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	.001	2.75
70	MP4C	X	4.451	4.5
71	MP4C	Z	0	4.5
72	MP4C	Mx	.001	4.5
73	OVP1	X	6.92	1
74	OVP1	Z	0	1
75	OVP1	Mx	.005	1
76	MP3A	X	2.793	3
77	MP3A	Z	0	3
78	MP3A	Mx	.001	3
79	MP3B	X	3.831	3
80	MP3B	Z	0	3
81	MP3B	Mx	-.000958	3
82	MP3C	X	3.831	3
83	MP3C	Z	0	3
84	MP3C	Mx	-.000958	3
85	MP2A	X	2.541	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP2A	Z	0	3
87	MP2A	Mx	.001	3
88	MP2B	X	3.769	3
89	MP2B	Z	0	3
90	MP2B	Mx	-.000942	3
91	MP2C	X	3.769	3
92	MP2C	Z	0	3
93	MP2C	Mx	-.000942	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.738	.75
2	MP2A	Z	2.158	.75
3	MP2A	Mx	-.001	.75
4	MP2A	X	3.738	6.5
5	MP2A	Z	2.158	6.5
6	MP2A	Mx	-.001	6.5
7	MP2B	X	4.585	.75
8	MP2B	Z	2.647	.75
9	MP2B	Mx	0	.75
10	MP2B	X	4.585	6.5
11	MP2B	Z	2.647	6.5
12	MP2B	Mx	0	6.5
13	MP2C	X	3.738	.75
14	MP2C	Z	2.158	.75
15	MP2C	Mx	.001	.75
16	MP2C	X	3.738	6.5
17	MP2C	Z	2.158	6.5
18	MP2C	Mx	.001	6.5
19	MP3A	X	5.83	1.5
20	MP3A	Z	3.366	1.5
21	MP3A	Mx	-.000671	1.5
22	MP3A	X	5.83	5.75
23	MP3A	Z	3.366	5.75
24	MP3A	Mx	-.000671	5.75
25	MP3B	X	7.816	1.5
26	MP3B	Z	4.513	1.5
27	MP3B	Mx	-.006	1.5
28	MP3B	X	7.816	5.75
29	MP3B	Z	4.513	5.75
30	MP3B	Mx	-.006	5.75
31	MP3C	X	5.83	1.5
32	MP3C	Z	3.366	1.5
33	MP3C	Mx	.005	1.5
34	MP3C	X	5.83	5.75
35	MP3C	Z	3.366	5.75
36	MP3C	Mx	.005	5.75
37	MP3A	X	5.83	1.5
38	MP3A	Z	3.366	1.5
39	MP3A	Mx	-.005	1.5
40	MP3A	X	5.83	5.75
41	MP3A	Z	3.366	5.75
42	MP3A	Mx	-.005	5.75
43	MP3B	X	7.816	1.5
44	MP3B	Z	4.513	1.5
45	MP3B	Mx	.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	7.816	5.75
47	MP3B	Z	4.513	5.75
48	MP3B	Mx	.006	5.75
49	MP3C	X	5.83	1.5
50	MP3C	Z	3.366	1.5
51	MP3C	Mx	.000671	1.5
52	MP3C	X	5.83	5.75
53	MP3C	Z	3.366	5.75
54	MP3C	Mx	.000671	5.75
55	MP4A	X	2.472	2.75
56	MP4A	Z	1.427	2.75
57	MP4A	Mx	-.001	2.75
58	MP4A	X	2.472	4.5
59	MP4A	Z	1.427	4.5
60	MP4A	Mx	-.001	4.5
61	MP4B	X	4.547	2.75
62	MP4B	Z	2.625	2.75
63	MP4B	Mx	0	2.75
64	MP4B	X	4.547	4.5
65	MP4B	Z	2.625	4.5
66	MP4B	Mx	0	4.5
67	MP4C	X	2.472	2.75
68	MP4C	Z	1.427	2.75
69	MP4C	Mx	.001	2.75
70	MP4C	X	2.472	4.5
71	MP4C	Z	1.427	4.5
72	MP4C	Mx	.001	4.5
73	OVP1	X	6.458	1
74	OVP1	Z	3.729	1
75	OVP1	Mx	.004	1
76	MP3A	X	2.718	3
77	MP3A	Z	1.569	3
78	MP3A	Mx	.001	3
79	MP3B	X	3.618	3
80	MP3B	Z	2.089	3
81	MP3B	Mx	0	3
82	MP3C	X	2.718	3
83	MP3C	Z	1.569	3
84	MP3C	Mx	-.001	3
85	MP2A	X	2.555	3
86	MP2A	Z	1.475	3
87	MP2A	Mx	.001	3
88	MP2B	X	3.618	3
89	MP2B	Z	2.089	3
90	MP2B	Mx	0	3
91	MP2C	X	2.555	3
92	MP2C	Z	1.475	3
93	MP2C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.484	.75
2	MP2A	Z	4.303	.75
3	MP2A	Mx	-.000828	.75
4	MP2A	X	2.484	6.5
5	MP2A	Z	4.303	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.000828	6.5
7	MP2B	X	2.484	.75
8	MP2B	Z	4.303	.75
9	MP2B	Mx	-.000828	.75
10	MP2B	X	2.484	6.5
11	MP2B	Z	4.303	6.5
12	MP2B	Mx	-.000828	6.5
13	MP2C	X	1.995	.75
14	MP2C	Z	3.455	.75
15	MP2C	Mx	.001	.75
16	MP2C	X	1.995	6.5
17	MP2C	Z	3.455	6.5
18	MP2C	Mx	.001	6.5
19	MP3A	X	4.13	1.5
20	MP3A	Z	7.154	1.5
21	MP3A	Mx	.003	1.5
22	MP3A	X	4.13	5.75
23	MP3A	Z	7.154	5.75
24	MP3A	Mx	.003	5.75
25	MP3B	X	4.13	1.5
26	MP3B	Z	7.154	1.5
27	MP3B	Mx	-.007	1.5
28	MP3B	X	4.13	5.75
29	MP3B	Z	7.154	5.75
30	MP3B	Mx	-.007	5.75
31	MP3C	X	2.983	1.5
32	MP3C	Z	5.167	1.5
33	MP3C	Mx	.003	1.5
34	MP3C	X	2.983	5.75
35	MP3C	Z	5.167	5.75
36	MP3C	Mx	.003	5.75
37	MP3A	X	4.13	1.5
38	MP3A	Z	7.154	1.5
39	MP3A	Mx	-.007	1.5
40	MP3A	X	4.13	5.75
41	MP3A	Z	7.154	5.75
42	MP3A	Mx	-.007	5.75
43	MP3B	X	4.13	1.5
44	MP3B	Z	7.154	1.5
45	MP3B	Mx	.003	1.5
46	MP3B	X	4.13	5.75
47	MP3B	Z	7.154	5.75
48	MP3B	Mx	.003	5.75
49	MP3C	X	2.983	1.5
50	MP3C	Z	5.167	1.5
51	MP3C	Mx	.003	1.5
52	MP3C	X	2.983	5.75
53	MP3C	Z	5.167	5.75
54	MP3C	Mx	.003	5.75
55	MP4A	X	2.226	2.75
56	MP4A	Z	3.855	2.75
57	MP4A	Mx	-.001	2.75
58	MP4A	X	2.226	4.5
59	MP4A	Z	3.855	4.5
60	MP4A	Mx	-.001	4.5
61	MP4B	X	2.226	2.75
62	MP4B	Z	3.855	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	-.001	2.75
64	MP4B	X	2.226	4.5
65	MP4B	Z	3.855	4.5
66	MP4B	Mx	-.001	4.5
67	MP4C	X	1.028	2.75
68	MP4C	Z	1.78	2.75
69	MP4C	Mx	.001	2.75
70	MP4C	X	1.028	4.5
71	MP4C	Z	1.78	4.5
72	MP4C	Mx	.001	4.5
73	OVP1	X	4.266	1
74	OVP1	Z	7.39	1
75	OVP1	Mx	.003	1
76	MP3A	X	1.916	3
77	MP3A	Z	3.318	3
78	MP3A	Mx	.000958	3
79	MP3B	X	1.916	3
80	MP3B	Z	3.318	3
81	MP3B	Mx	.000958	3
82	MP3C	X	1.396	3
83	MP3C	Z	2.418	3
84	MP3C	Mx	-.001	3
85	MP2A	X	1.884	3
86	MP2A	Z	3.264	3
87	MP2A	Mx	.000942	3
88	MP2B	X	1.884	3
89	MP2B	Z	3.264	3
90	MP2B	Mx	.000942	3
91	MP2C	X	1.271	3
92	MP2C	Z	2.201	3
93	MP2C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.75
2	MP2A	Z	5.295	.75
3	MP2A	Mx	0	.75
4	MP2A	X	0	6.5
5	MP2A	Z	5.295	6.5
6	MP2A	Mx	0	6.5
7	MP2B	X	0	.75
8	MP2B	Z	4.316	.75
9	MP2B	Mx	-.001	.75
10	MP2B	X	0	6.5
11	MP2B	Z	4.316	6.5
12	MP2B	Mx	-.001	6.5
13	MP2C	X	0	.75
14	MP2C	Z	4.316	.75
15	MP2C	Mx	.001	.75
16	MP2C	X	0	6.5
17	MP2C	Z	4.316	6.5
18	MP2C	Mx	.001	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	9.026	1.5
21	MP3A	Mx	.006	1.5
22	MP3A	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	9.026	5.75
24	MP3A	Mx	.006	5.75
25	MP3B	X	0	1.5
26	MP3B	Z	6.731	1.5
27	MP3B	Mx	-.005	1.5
28	MP3B	X	0	5.75
29	MP3B	Z	6.731	5.75
30	MP3B	Mx	-.005	5.75
31	MP3C	X	0	1.5
32	MP3C	Z	6.731	1.5
33	MP3C	Mx	.000671	1.5
34	MP3C	X	0	5.75
35	MP3C	Z	6.731	5.75
36	MP3C	Mx	.000671	5.75
37	MP3A	X	0	1.5
38	MP3A	Z	9.026	1.5
39	MP3A	Mx	-.006	1.5
40	MP3A	X	0	5.75
41	MP3A	Z	9.026	5.75
42	MP3A	Mx	-.006	5.75
43	MP3B	X	0	1.5
44	MP3B	Z	6.731	1.5
45	MP3B	Mx	-.000671	1.5
46	MP3B	X	0	5.75
47	MP3B	Z	6.731	5.75
48	MP3B	Mx	-.000671	5.75
49	MP3C	X	0	1.5
50	MP3C	Z	6.731	1.5
51	MP3C	Mx	.005	1.5
52	MP3C	X	0	5.75
53	MP3C	Z	6.731	5.75
54	MP3C	Mx	.005	5.75
55	MP4A	X	0	2.75
56	MP4A	Z	5.25	2.75
57	MP4A	Mx	0	2.75
58	MP4A	X	0	4.5
59	MP4A	Z	5.25	4.5
60	MP4A	Mx	0	4.5
61	MP4B	X	0	2.75
62	MP4B	Z	2.854	2.75
63	MP4B	Mx	-.001	2.75
64	MP4B	X	0	4.5
65	MP4B	Z	2.854	4.5
66	MP4B	Mx	-.001	4.5
67	MP4C	X	0	2.75
68	MP4C	Z	2.854	2.75
69	MP4C	Mx	.001	2.75
70	MP4C	X	0	4.5
71	MP4C	Z	2.854	4.5
72	MP4C	Mx	.001	4.5
73	OVP1	X	0	1
74	OVP1	Z	9.07	1
75	OVP1	Mx	0	1
76	MP3A	X	0	3
77	MP3A	Z	4.178	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	3.139	3
81	MP3B	Mx	.001	3
82	MP3C	X	0	3
83	MP3C	Z	3.139	3
84	MP3C	Mx	-.001	3
85	MP2A	X	0	3
86	MP2A	Z	4.178	3
87	MP2A	Mx	0	3
88	MP2B	X	0	3
89	MP2B	Z	2.95	3
90	MP2B	Mx	.001	3
91	MP2C	X	0	3
92	MP2C	Z	2.95	3
93	MP2C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.484	.75
2	MP2A	Z	4.303	.75
3	MP2A	Mx	.000828	.75
4	MP2A	X	-2.484	6.5
5	MP2A	Z	4.303	6.5
6	MP2A	Mx	.000828	6.5
7	MP2B	X	-1.995	.75
8	MP2B	Z	3.455	.75
9	MP2B	Mx	-.001	.75
10	MP2B	X	-1.995	6.5
11	MP2B	Z	3.455	6.5
12	MP2B	Mx	-.001	6.5
13	MP2C	X	-2.484	.75
14	MP2C	Z	4.303	.75
15	MP2C	Mx	.000828	.75
16	MP2C	X	-2.484	6.5
17	MP2C	Z	4.303	6.5
18	MP2C	Mx	.000828	6.5
19	MP3A	X	-4.13	1.5
20	MP3A	Z	7.154	1.5
21	MP3A	Mx	.007	1.5
22	MP3A	X	-4.13	5.75
23	MP3A	Z	7.154	5.75
24	MP3A	Mx	.007	5.75
25	MP3B	X	-2.983	1.5
26	MP3B	Z	5.167	1.5
27	MP3B	Mx	-.003	1.5
28	MP3B	X	-2.983	5.75
29	MP3B	Z	5.167	5.75
30	MP3B	Mx	-.003	5.75
31	MP3C	X	-4.13	1.5
32	MP3C	Z	7.154	1.5
33	MP3C	Mx	-.003	1.5
34	MP3C	X	-4.13	5.75
35	MP3C	Z	7.154	5.75
36	MP3C	Mx	-.003	5.75
37	MP3A	X	-4.13	1.5
38	MP3A	Z	7.154	1.5
39	MP3A	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	-4.13	5.75
41	MP3A	Z	7.154	5.75
42	MP3A	Mx	-.003	5.75
43	MP3B	X	-2.983	1.5
44	MP3B	Z	5.167	1.5
45	MP3B	Mx	-.003	1.5
46	MP3B	X	-2.983	5.75
47	MP3B	Z	5.167	5.75
48	MP3B	Mx	-.003	5.75
49	MP3C	X	-4.13	1.5
50	MP3C	Z	7.154	1.5
51	MP3C	Mx	.007	1.5
52	MP3C	X	-4.13	5.75
53	MP3C	Z	7.154	5.75
54	MP3C	Mx	.007	5.75
55	MP4A	X	-2.226	2.75
56	MP4A	Z	3.855	2.75
57	MP4A	Mx	.001	2.75
58	MP4A	X	-2.226	4.5
59	MP4A	Z	3.855	4.5
60	MP4A	Mx	.001	4.5
61	MP4B	X	-1.028	2.75
62	MP4B	Z	1.78	2.75
63	MP4B	Mx	-.001	2.75
64	MP4B	X	-1.028	4.5
65	MP4B	Z	1.78	4.5
66	MP4B	Mx	-.001	4.5
67	MP4C	X	-2.226	2.75
68	MP4C	Z	3.855	2.75
69	MP4C	Mx	.001	2.75
70	MP4C	X	-2.226	4.5
71	MP4C	Z	3.855	4.5
72	MP4C	Mx	.001	4.5
73	OVP1	X	-4.266	1
74	OVP1	Z	7.39	1
75	OVP1	Mx	-.003	1
76	MP3A	X	-1.916	3
77	MP3A	Z	3.318	3
78	MP3A	Mx	-.000958	3
79	MP3B	X	-1.396	3
80	MP3B	Z	2.418	3
81	MP3B	Mx	.001	3
82	MP3C	X	-1.916	3
83	MP3C	Z	3.318	3
84	MP3C	Mx	-.000958	3
85	MP2A	X	-1.884	3
86	MP2A	Z	3.264	3
87	MP2A	Mx	-.000942	3
88	MP2B	X	-1.271	3
89	MP2B	Z	2.201	3
90	MP2B	Mx	.001	3
91	MP2C	X	-1.884	3
92	MP2C	Z	3.264	3
93	MP2C	Mx	-.000942	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.738	.75
2	MP2A	Z	2.158	.75
3	MP2A	Mx	.001	.75
4	MP2A	X	-3.738	6.5
5	MP2A	Z	2.158	6.5
6	MP2A	Mx	.001	6.5
7	MP2B	X	-3.738	.75
8	MP2B	Z	2.158	.75
9	MP2B	Mx	-.001	.75
10	MP2B	X	-3.738	6.5
11	MP2B	Z	2.158	6.5
12	MP2B	Mx	-.001	6.5
13	MP2C	X	-4.585	.75
14	MP2C	Z	2.647	.75
15	MP2C	Mx	0	.75
16	MP2C	X	-4.585	6.5
17	MP2C	Z	2.647	6.5
18	MP2C	Mx	0	6.5
19	MP3A	X	-5.83	1.5
20	MP3A	Z	3.366	1.5
21	MP3A	Mx	.005	1.5
22	MP3A	X	-5.83	5.75
23	MP3A	Z	3.366	5.75
24	MP3A	Mx	.005	5.75
25	MP3B	X	-5.83	1.5
26	MP3B	Z	3.366	1.5
27	MP3B	Mx	-.000671	1.5
28	MP3B	X	-5.83	5.75
29	MP3B	Z	3.366	5.75
30	MP3B	Mx	-.000671	5.75
31	MP3C	X	-7.816	1.5
32	MP3C	Z	4.513	1.5
33	MP3C	Mx	-.006	1.5
34	MP3C	X	-7.816	5.75
35	MP3C	Z	4.513	5.75
36	MP3C	Mx	-.006	5.75
37	MP3A	X	-5.83	1.5
38	MP3A	Z	3.366	1.5
39	MP3A	Mx	.000671	1.5
40	MP3A	X	-5.83	5.75
41	MP3A	Z	3.366	5.75
42	MP3A	Mx	.000671	5.75
43	MP3B	X	-5.83	1.5
44	MP3B	Z	3.366	1.5
45	MP3B	Mx	-.005	1.5
46	MP3B	X	-5.83	5.75
47	MP3B	Z	3.366	5.75
48	MP3B	Mx	-.005	5.75
49	MP3C	X	-7.816	1.5
50	MP3C	Z	4.513	1.5
51	MP3C	Mx	.006	1.5
52	MP3C	X	-7.816	5.75
53	MP3C	Z	4.513	5.75
54	MP3C	Mx	.006	5.75
55	MP4A	X	-2.472	2.75
56	MP4A	Z	1.427	2.75
57	MP4A	Mx	.001	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-2.472	4.5
59	MP4A	Z	1.427	4.5
60	MP4A	Mx	.001	4.5
61	MP4B	X	-2.472	2.75
62	MP4B	Z	1.427	2.75
63	MP4B	Mx	-.001	2.75
64	MP4B	X	-2.472	4.5
65	MP4B	Z	1.427	4.5
66	MP4B	Mx	-.001	4.5
67	MP4C	X	-4.547	2.75
68	MP4C	Z	2.625	2.75
69	MP4C	Mx	0	2.75
70	MP4C	X	-4.547	4.5
71	MP4C	Z	2.625	4.5
72	MP4C	Mx	0	4.5
73	OVP1	X	-6.458	1
74	OVP1	Z	3.729	1
75	OVP1	Mx	-.004	1
76	MP3A	X	-2.718	3
77	MP3A	Z	1.569	3
78	MP3A	Mx	-.001	3
79	MP3B	X	-2.718	3
80	MP3B	Z	1.569	3
81	MP3B	Mx	.001	3
82	MP3C	X	-3.618	3
83	MP3C	Z	2.089	3
84	MP3C	Mx	0	3
85	MP2A	X	-2.555	3
86	MP2A	Z	1.475	3
87	MP2A	Mx	-.001	3
88	MP2B	X	-2.555	3
89	MP2B	Z	1.475	3
90	MP2B	Mx	.001	3
91	MP2C	X	-3.618	3
92	MP2C	Z	2.089	3
93	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.99	.75
2	MP2A	Z	0	.75
3	MP2A	Mx	.001	.75
4	MP2A	X	-3.99	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	.001	6.5
7	MP2B	X	-4.968	.75
8	MP2B	Z	0	.75
9	MP2B	Mx	-.000828	.75
10	MP2B	X	-4.968	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	-.000828	6.5
13	MP2C	X	-4.968	.75
14	MP2C	Z	0	.75
15	MP2C	Mx	-.000828	.75
16	MP2C	X	-4.968	6.5
17	MP2C	Z	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.000828	6.5
19	MP3A	X	-5.967	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.003	1.5
22	MP3A	X	-5.967	5.75
23	MP3A	Z	0	5.75
24	MP3A	Mx	.003	5.75
25	MP3B	X	-8.261	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.003	1.5
28	MP3B	X	-8.261	5.75
29	MP3B	Z	0	5.75
30	MP3B	Mx	.003	5.75
31	MP3C	X	-8.261	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.007	1.5
34	MP3C	X	-8.261	5.75
35	MP3C	Z	0	5.75
36	MP3C	Mx	-.007	5.75
37	MP3A	X	-5.967	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.003	1.5
40	MP3A	X	-5.967	5.75
41	MP3A	Z	0	5.75
42	MP3A	Mx	.003	5.75
43	MP3B	X	-8.261	1.5
44	MP3B	Z	0	1.5
45	MP3B	Mx	-.007	1.5
46	MP3B	X	-8.261	5.75
47	MP3B	Z	0	5.75
48	MP3B	Mx	-.007	5.75
49	MP3C	X	-8.261	1.5
50	MP3C	Z	0	1.5
51	MP3C	Mx	.003	1.5
52	MP3C	X	-8.261	5.75
53	MP3C	Z	0	5.75
54	MP3C	Mx	.003	5.75
55	MP4A	X	-2.055	2.75
56	MP4A	Z	0	2.75
57	MP4A	Mx	.001	2.75
58	MP4A	X	-2.055	4.5
59	MP4A	Z	0	4.5
60	MP4A	Mx	.001	4.5
61	MP4B	X	-4.451	2.75
62	MP4B	Z	0	2.75
63	MP4B	Mx	-.001	2.75
64	MP4B	X	-4.451	4.5
65	MP4B	Z	0	4.5
66	MP4B	Mx	-.001	4.5
67	MP4C	X	-4.451	2.75
68	MP4C	Z	0	2.75
69	MP4C	Mx	-.001	2.75
70	MP4C	X	-4.451	4.5
71	MP4C	Z	0	4.5
72	MP4C	Mx	-.001	4.5
73	OVP1	X	-6.92	1
74	OVP1	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP1	Mx	-.005	1
76	MP3A	X	-2.793	3
77	MP3A	Z	0	3
78	MP3A	Mx	-.001	3
79	MP3B	X	-3.831	3
80	MP3B	Z	0	3
81	MP3B	Mx	.000958	3
82	MP3C	X	-3.831	3
83	MP3C	Z	0	3
84	MP3C	Mx	.000958	3
85	MP2A	X	-2.541	3
86	MP2A	Z	0	3
87	MP2A	Mx	-.001	3
88	MP2B	X	-3.769	3
89	MP2B	Z	0	3
90	MP2B	Mx	.000942	3
91	MP2C	X	-3.769	3
92	MP2C	Z	0	3
93	MP2C	Mx	.000942	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.738	.75
2	MP2A	Z	-2.158	.75
3	MP2A	Mx	.001	.75
4	MP2A	X	-3.738	6.5
5	MP2A	Z	-2.158	6.5
6	MP2A	Mx	.001	6.5
7	MP2B	X	-4.585	.75
8	MP2B	Z	-2.647	.75
9	MP2B	Mx	0	.75
10	MP2B	X	-4.585	6.5
11	MP2B	Z	-2.647	6.5
12	MP2B	Mx	0	6.5
13	MP2C	X	-3.738	.75
14	MP2C	Z	-2.158	.75
15	MP2C	Mx	-.001	.75
16	MP2C	X	-3.738	6.5
17	MP2C	Z	-2.158	6.5
18	MP2C	Mx	-.001	6.5
19	MP3A	X	-5.83	1.5
20	MP3A	Z	-3.366	1.5
21	MP3A	Mx	.000671	1.5
22	MP3A	X	-5.83	5.75
23	MP3A	Z	-3.366	5.75
24	MP3A	Mx	.000671	5.75
25	MP3B	X	-7.816	1.5
26	MP3B	Z	-4.513	1.5
27	MP3B	Mx	.006	1.5
28	MP3B	X	-7.816	5.75
29	MP3B	Z	-4.513	5.75
30	MP3B	Mx	.006	5.75
31	MP3C	X	-5.83	1.5
32	MP3C	Z	-3.366	1.5
33	MP3C	Mx	-.005	1.5
34	MP3C	X	-5.83	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-3.366	5.75
36	MP3C	Mx	-.005	5.75
37	MP3A	X	-5.83	1.5
38	MP3A	Z	-3.366	1.5
39	MP3A	Mx	.005	1.5
40	MP3A	X	-5.83	5.75
41	MP3A	Z	-3.366	5.75
42	MP3A	Mx	.005	5.75
43	MP3B	X	-7.816	1.5
44	MP3B	Z	-4.513	1.5
45	MP3B	Mx	-.006	1.5
46	MP3B	X	-7.816	5.75
47	MP3B	Z	-4.513	5.75
48	MP3B	Mx	-.006	5.75
49	MP3C	X	-5.83	1.5
50	MP3C	Z	-3.366	1.5
51	MP3C	Mx	-.000671	1.5
52	MP3C	X	-5.83	5.75
53	MP3C	Z	-3.366	5.75
54	MP3C	Mx	-.000671	5.75
55	MP4A	X	-2.472	2.75
56	MP4A	Z	-1.427	2.75
57	MP4A	Mx	.001	2.75
58	MP4A	X	-2.472	4.5
59	MP4A	Z	-1.427	4.5
60	MP4A	Mx	.001	4.5
61	MP4B	X	-4.547	2.75
62	MP4B	Z	-2.625	2.75
63	MP4B	Mx	0	2.75
64	MP4B	X	-4.547	4.5
65	MP4B	Z	-2.625	4.5
66	MP4B	Mx	0	4.5
67	MP4C	X	-2.472	2.75
68	MP4C	Z	-1.427	2.75
69	MP4C	Mx	-.001	2.75
70	MP4C	X	-2.472	4.5
71	MP4C	Z	-1.427	4.5
72	MP4C	Mx	-.001	4.5
73	OVP1	X	-6.458	1
74	OVP1	Z	-3.729	1
75	OVP1	Mx	-.004	1
76	MP3A	X	-2.718	3
77	MP3A	Z	-1.569	3
78	MP3A	Mx	-.001	3
79	MP3B	X	-3.618	3
80	MP3B	Z	-2.089	3
81	MP3B	Mx	0	3
82	MP3C	X	-2.718	3
83	MP3C	Z	-1.569	3
84	MP3C	Mx	.001	3
85	MP2A	X	-2.555	3
86	MP2A	Z	-1.475	3
87	MP2A	Mx	-.001	3
88	MP2B	X	-3.618	3
89	MP2B	Z	-2.089	3
90	MP2B	Mx	0	3
91	MP2C	X	-2.555	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2C	Z	-1.475	3
93	MP2C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.484	.75
2	MP2A	Z	-4.303	.75
3	MP2A	Mx	.000828	.75
4	MP2A	X	-2.484	6.5
5	MP2A	Z	-4.303	6.5
6	MP2A	Mx	.000828	6.5
7	MP2B	X	-2.484	.75
8	MP2B	Z	-4.303	.75
9	MP2B	Mx	.000828	.75
10	MP2B	X	-2.484	6.5
11	MP2B	Z	-4.303	6.5
12	MP2B	Mx	.000828	6.5
13	MP2C	X	-1.995	.75
14	MP2C	Z	-3.455	.75
15	MP2C	Mx	-.001	.75
16	MP2C	X	-1.995	6.5
17	MP2C	Z	-3.455	6.5
18	MP2C	Mx	-.001	6.5
19	MP3A	X	-4.13	1.5
20	MP3A	Z	-7.154	1.5
21	MP3A	Mx	-.003	1.5
22	MP3A	X	-4.13	5.75
23	MP3A	Z	-7.154	5.75
24	MP3A	Mx	-.003	5.75
25	MP3B	X	-4.13	1.5
26	MP3B	Z	-7.154	1.5
27	MP3B	Mx	.007	1.5
28	MP3B	X	-4.13	5.75
29	MP3B	Z	-7.154	5.75
30	MP3B	Mx	.007	5.75
31	MP3C	X	-2.983	1.5
32	MP3C	Z	-5.167	1.5
33	MP3C	Mx	-.003	1.5
34	MP3C	X	-2.983	5.75
35	MP3C	Z	-5.167	5.75
36	MP3C	Mx	-.003	5.75
37	MP3A	X	-4.13	1.5
38	MP3A	Z	-7.154	1.5
39	MP3A	Mx	.007	1.5
40	MP3A	X	-4.13	5.75
41	MP3A	Z	-7.154	5.75
42	MP3A	Mx	.007	5.75
43	MP3B	X	-4.13	1.5
44	MP3B	Z	-7.154	1.5
45	MP3B	Mx	-.003	1.5
46	MP3B	X	-4.13	5.75
47	MP3B	Z	-7.154	5.75
48	MP3B	Mx	-.003	5.75
49	MP3C	X	-2.983	1.5
50	MP3C	Z	-5.167	1.5
51	MP3C	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	-2.983	5.75
53	MP3C	Z	-5.167	5.75
54	MP3C	Mx	-.003	5.75
55	MP4A	X	-2.226	2.75
56	MP4A	Z	-3.855	2.75
57	MP4A	Mx	.001	2.75
58	MP4A	X	-2.226	4.5
59	MP4A	Z	-3.855	4.5
60	MP4A	Mx	.001	4.5
61	MP4B	X	-2.226	2.75
62	MP4B	Z	-3.855	2.75
63	MP4B	Mx	.001	2.75
64	MP4B	X	-2.226	4.5
65	MP4B	Z	-3.855	4.5
66	MP4B	Mx	.001	4.5
67	MP4C	X	-1.028	2.75
68	MP4C	Z	-1.78	2.75
69	MP4C	Mx	-.001	2.75
70	MP4C	X	-1.028	4.5
71	MP4C	Z	-1.78	4.5
72	MP4C	Mx	-.001	4.5
73	OVP1	X	-4.266	1
74	OVP1	Z	-7.39	1
75	OVP1	Mx	-.003	1
76	MP3A	X	-1.916	3
77	MP3A	Z	-3.318	3
78	MP3A	Mx	-.000958	3
79	MP3B	X	-1.916	3
80	MP3B	Z	-3.318	3
81	MP3B	Mx	-.000958	3
82	MP3C	X	-1.396	3
83	MP3C	Z	-2.418	3
84	MP3C	Mx	.001	3
85	MP2A	X	-1.884	3
86	MP2A	Z	-3.264	3
87	MP2A	Mx	-.000942	3
88	MP2B	X	-1.884	3
89	MP2B	Z	-3.264	3
90	MP2B	Mx	-.000942	3
91	MP2C	X	-1.271	3
92	MP2C	Z	-2.201	3
93	MP2C	Mx	.001	3

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%35

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%98

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

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	M4	Y	-9.831	-9.831	0	%100
2	M52A	Y	-9.831	-9.831	0	%100
3	M76A	Y	-9.831	-9.831	0	%100
4	M10	Y	-9.831	-9.831	0	%100
5	M43	Y	-9.831	-9.831	0	%100
6	M53	Y	-9.831	-9.831	0	%100
7	M54	Y	-9.831	-9.831	0	%100
8	M77A	Y	-9.831	-9.831	0	%100
9	M78	Y	-9.831	-9.831	0	%100
10	MP3A	Y	-5.829	-5.829	0	%100
11	MP4A	Y	-5.11	-5.11	0	%100
12	MP2A	Y	-5.11	-5.11	0	%100
13	MP1A	Y	-5.11	-5.11	0	%100
14	MP3C	Y	-5.829	-5.829	0	%100
15	MP4C	Y	-5.11	-5.11	0	%100
16	MP2C	Y	-5.11	-5.11	0	%100
17	MP1C	Y	-5.11	-5.11	0	%100
18	MP3B	Y	-5.829	-5.829	0	%100
19	MP4B	Y	-5.11	-5.11	0	%100
20	MP2B	Y	-5.11	-5.11	0	%100
21	MP1B	Y	-5.11	-5.11	0	%100
22	OVP1	Y	-5.11	-5.11	0	%100
23	M51B	Y	-5.762	-5.762	0	%100
24	M52B	Y	-5.762	-5.762	0	%100
25	M58A	Y	-5.762	-5.762	0	%100
26	M59A	Y	-5.762	-5.762	0	%100
27	M82	Y	-5.762	-5.762	0	%100
28	M83A	Y	-5.762	-5.762	0	%100
29	M1	Y	-6.729	-6.729	0	%100
30	M82A	Y	-6.729	-6.729	0	%100
31	M100	Y	-6.729	-6.729	0	%100
32	M76	Y	-10.342	-10.342	0	%100
33	M77	Y	-10.342	-10.342	0	%100
34	M84	Y	-10.342	-10.342	0	%100
35	M85	Y	-10.342	-10.342	0	%100
36	M63	Y	-10.342	-10.342	0	%100
37	M64	Y	-10.342	-10.342	0	%100
38	M68	Y	-10.342	-10.342	0	%100
39	M69	Y	-10.342	-10.342	0	%100
40	M87	Y	-10.342	-10.342	0	%100
41	M88A	Y	-10.342	-10.342	0	%100
42	M92A	Y	-10.342	-10.342	0	%100
43	M93	Y	-10.342	-10.342	0	%100
44	M46	Y	-10.355	-10.355	0	%100
45	M80	Y	-10.355	-10.355	0	%100
46	M91	Y	-10.355	-10.355	0	%100
47	M55	Y	-10.355	-10.355	0	%100
48	M66	Y	-10.355	-10.355	0	%100
49	M71	Y	-10.355	-10.355	0	%100
50	M79A	Y	-10.355	-10.355	0	%100
51	M90	Y	-10.355	-10.355	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,%]
52	M95	Y	-10.355	-10.355	0	%100
53	M106	Y	-5.829	-5.829	0	%100
54	M111	Y	-5.829	-5.829	0	%100
55	M116	Y	-5.829	-5.829	0	%100
56	M123	Y	-7.797	-7.797	0	%100
57	M124	Y	-7.797	-7.797	0	%100
58	M125	Y	-7.797	-7.797	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	-10.013	-10.013	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	-10.013	-10.013	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-11.297	-11.297	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-11.297	-11.297	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	-2.824	-2.824	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	-2.824	-2.824	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	-2.824	-2.824	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-2.824	-2.824	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-10.797	-10.797	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-8.919	-8.919	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-8.919	-8.919	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-8.919	-8.919	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-10.797	-10.797	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-8.919	-8.919	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-8.919	-8.919	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-8.919	-8.919	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-10.797	-10.797	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-8.919	-8.919	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-8.919	-8.919	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-8.919	-8.919	0	%100
43	OVP1	X	0	0	0	%100
44	OVP1	Z	-7.294	-7.294	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	-3.128	-3.128	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,%]
47	M52B	X	0	0	0	%100
48	M52B	Z	-3.128	-3.128	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-3.128	-3.128	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	-12.512	-12.512	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	-12.512	-12.512	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	-3.128	-3.128	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	-13.144	-13.144	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	-3.286	-3.286	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	-3.286	-3.286	0	%100
63	M76	X	0	0	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	-5.737	-5.737	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	-5.737	-5.737	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	-16.899	-16.899	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	-5.737	-5.737	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	-16.899	-16.899	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	-22.95	-22.95	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	-16.899	-16.899	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	-22.95	-22.95	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	-16.899	-16.899	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	-5.737	-5.737	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	-22.533	-22.533	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	-6.043	-6.043	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	-6.043	-6.043	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	-5.633	-5.633	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-6.043	-6.043	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	-24.173	-24.173	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	-5.633	-5.633	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	-24.173	-24.173	0	%100
103	M95	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,%]
104	M95	Z	-6.043	-6.043	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-10.797	-10.797	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	-2.699	-2.699	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	-2.699	-2.699	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-3.483	-3.483	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-13.934	-13.934	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-3.483	-3.483	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	M4	X	1.669	1.669	0	%100
2	M4	Z	-2.89	-2.89	0	%100
3	M52A	X	1.669	1.669	0	%100
4	M52A	Z	-2.89	-2.89	0	%100
5	M76A	X	6.675	6.675	0	%100
6	M76A	Z	-11.562	-11.562	0	%100
7	M10	X	4.236	4.236	0	%100
8	M10	Z	-7.337	-7.337	0	%100
9	M43	X	4.236	4.236	0	%100
10	M43	Z	-7.337	-7.337	0	%100
11	M53	X	4.236	4.236	0	%100
12	M53	Z	-7.337	-7.337	0	%100
13	M54	X	4.236	4.236	0	%100
14	M54	Z	-7.337	-7.337	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	5.398	5.398	0	%100
20	MP3A	Z	-9.35	-9.35	0	%100
21	MP4A	X	4.46	4.46	0	%100
22	MP4A	Z	-7.724	-7.724	0	%100
23	MP2A	X	4.46	4.46	0	%100
24	MP2A	Z	-7.724	-7.724	0	%100
25	MP1A	X	4.46	4.46	0	%100
26	MP1A	Z	-7.724	-7.724	0	%100
27	MP3C	X	5.398	5.398	0	%100
28	MP3C	Z	-9.35	-9.35	0	%100
29	MP4C	X	4.46	4.46	0	%100
30	MP4C	Z	-7.724	-7.724	0	%100
31	MP2C	X	4.46	4.46	0	%100
32	MP2C	Z	-7.724	-7.724	0	%100
33	MP1C	X	4.46	4.46	0	%100
34	MP1C	Z	-7.724	-7.724	0	%100
35	MP3B	X	5.398	5.398	0	%100
36	MP3B	Z	-9.35	-9.35	0	%100
37	MP4B	X	4.46	4.46	0	%100
38	MP4B	Z	-7.724	-7.724	0	%100
39	MP2B	X	4.46	4.46	0	%100
40	MP2B	Z	-7.724	-7.724	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,%]
41	MP1B	X	4.46	4.46	0	%100
42	MP1B	Z	-7.724	-7.724	0	%100
43	OVP1	X	3.647	3.647	0	%100
44	OVP1	Z	-6.316	-6.316	0	%100
45	M51B	X	4.692	4.692	0	%100
46	M51B	Z	-8.127	-8.127	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	4.692	4.692	0	%100
52	M59A	Z	-8.127	-8.127	0	%100
53	M82	X	4.692	4.692	0	%100
54	M82	Z	-8.127	-8.127	0	%100
55	M83A	X	4.692	4.692	0	%100
56	M83A	Z	-8.127	-8.127	0	%100
57	M1	X	4.929	4.929	0	%100
58	M1	Z	-8.537	-8.537	0	%100
59	M82A	X	4.929	4.929	0	%100
60	M82A	Z	-8.537	-8.537	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	2.817	2.817	0	%100
64	M76	Z	-4.878	-4.878	0	%100
65	M77	X	8.606	8.606	0	%100
66	M77	Z	-14.906	-14.906	0	%100
67	M84	X	2.817	2.817	0	%100
68	M84	Z	-4.878	-4.878	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	2.817	2.817	0	%100
72	M63	Z	-4.878	-4.878	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	2.817	2.817	0	%100
76	M68	Z	-4.878	-4.878	0	%100
77	M69	X	8.606	8.606	0	%100
78	M69	Z	-14.906	-14.906	0	%100
79	M87	X	11.266	11.266	0	%100
80	M87	Z	-19.514	-19.514	0	%100
81	M88A	X	8.606	8.606	0	%100
82	M88A	Z	-14.906	-14.906	0	%100
83	M92A	X	11.266	11.266	0	%100
84	M92A	Z	-19.514	-19.514	0	%100
85	M93	X	8.606	8.606	0	%100
86	M93	Z	-14.906	-14.906	0	%100
87	M46	X	8.45	8.45	0	%100
88	M46	Z	-14.635	-14.635	0	%100
89	M80	X	9.065	9.065	0	%100
90	M80	Z	-15.701	-15.701	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	8.45	8.45	0	%100
94	M55	Z	-14.635	-14.635	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	9.065	9.065	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,%]
98	M71	Z	-15.701	-15.701	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	9.065	9.065	0	%100
102	M90	Z	-15.701	-15.701	0	%100
103	M95	X	9.065	9.065	0	%100
104	M95	Z	-15.701	-15.701	0	%100
105	M106	X	4.049	4.049	0	%100
106	M106	Z	-7.013	-7.013	0	%100
107	M111	X	4.049	4.049	0	%100
108	M111	Z	-7.013	-7.013	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	5.225	5.225	0	%100
114	M124	Z	-9.05	-9.05	0	%100
115	M125	X	5.225	5.225	0	%100
116	M125	Z	-9.05	-9.05	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	M4	X	8.671	8.671	0	%100
2	M4	Z	-5.006	-5.006	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	8.671	8.671	0	%100
6	M76A	Z	-5.006	-5.006	0	%100
7	M10	X	2.446	2.446	0	%100
8	M10	Z	-1.412	-1.412	0	%100
9	M43	X	2.446	2.446	0	%100
10	M43	Z	-1.412	-1.412	0	%100
11	M53	X	9.783	9.783	0	%100
12	M53	Z	-5.648	-5.648	0	%100
13	M54	X	9.783	9.783	0	%100
14	M54	Z	-5.648	-5.648	0	%100
15	M77A	X	2.446	2.446	0	%100
16	M77A	Z	-1.412	-1.412	0	%100
17	M78	X	2.446	2.446	0	%100
18	M78	Z	-1.412	-1.412	0	%100
19	MP3A	X	9.35	9.35	0	%100
20	MP3A	Z	-5.398	-5.398	0	%100
21	MP4A	X	7.724	7.724	0	%100
22	MP4A	Z	-4.46	-4.46	0	%100
23	MP2A	X	7.724	7.724	0	%100
24	MP2A	Z	-4.46	-4.46	0	%100
25	MP1A	X	7.724	7.724	0	%100
26	MP1A	Z	-4.46	-4.46	0	%100
27	MP3C	X	9.35	9.35	0	%100
28	MP3C	Z	-5.398	-5.398	0	%100
29	MP4C	X	7.724	7.724	0	%100
30	MP4C	Z	-4.46	-4.46	0	%100
31	MP2C	X	7.724	7.724	0	%100
32	MP2C	Z	-4.46	-4.46	0	%100
33	MP1C	X	7.724	7.724	0	%100
34	MP1C	Z	-4.46	-4.46	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,%]
35	MP3B	X	9.35	9.35	0	%100
36	MP3B	Z	-5.398	-5.398	0	%100
37	MP4B	X	7.724	7.724	0	%100
38	MP4B	Z	-4.46	-4.46	0	%100
39	MP2B	X	7.724	7.724	0	%100
40	MP2B	Z	-4.46	-4.46	0	%100
41	MP1B	X	7.724	7.724	0	%100
42	MP1B	Z	-4.46	-4.46	0	%100
43	OVP1	X	6.316	6.316	0	%100
44	OVP1	Z	-3.647	-3.647	0	%100
45	M51B	X	10.836	10.836	0	%100
46	M51B	Z	-6.256	-6.256	0	%100
47	M52B	X	2.709	2.709	0	%100
48	M52B	Z	-1.564	-1.564	0	%100
49	M58A	X	2.709	2.709	0	%100
50	M58A	Z	-1.564	-1.564	0	%100
51	M59A	X	2.709	2.709	0	%100
52	M59A	Z	-1.564	-1.564	0	%100
53	M82	X	2.709	2.709	0	%100
54	M82	Z	-1.564	-1.564	0	%100
55	M83A	X	10.836	10.836	0	%100
56	M83A	Z	-6.256	-6.256	0	%100
57	M1	X	2.846	2.846	0	%100
58	M1	Z	-1.643	-1.643	0	%100
59	M82A	X	11.383	11.383	0	%100
60	M82A	Z	-6.572	-6.572	0	%100
61	M100	X	2.846	2.846	0	%100
62	M100	Z	-1.643	-1.643	0	%100
63	M76	X	14.635	14.635	0	%100
64	M76	Z	-8.45	-8.45	0	%100
65	M77	X	19.875	19.875	0	%100
66	M77	Z	-11.475	-11.475	0	%100
67	M84	X	14.635	14.635	0	%100
68	M84	Z	-8.45	-8.45	0	%100
69	M85	X	4.969	4.969	0	%100
70	M85	Z	-2.869	-2.869	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	4.969	4.969	0	%100
74	M64	Z	-2.869	-2.869	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	4.969	4.969	0	%100
78	M69	Z	-2.869	-2.869	0	%100
79	M87	X	14.635	14.635	0	%100
80	M87	Z	-8.45	-8.45	0	%100
81	M88A	X	4.969	4.969	0	%100
82	M88A	Z	-2.869	-2.869	0	%100
83	M92A	X	14.635	14.635	0	%100
84	M92A	Z	-8.45	-8.45	0	%100
85	M93	X	19.875	19.875	0	%100
86	M93	Z	-11.475	-11.475	0	%100
87	M46	X	4.878	4.878	0	%100
88	M46	Z	-2.817	-2.817	0	%100
89	M80	X	20.934	20.934	0	%100
90	M80	Z	-12.086	-12.086	0	%100
91	M91	X	5.234	5.234	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,%]
92	M91	Z	-3.022	-3.022	0	%100
93	M55	X	19.514	19.514	0	%100
94	M55	Z	-11.266	-11.266	0	%100
95	M66	X	5.234	5.234	0	%100
96	M66	Z	-3.022	-3.022	0	%100
97	M71	X	5.234	5.234	0	%100
98	M71	Z	-3.022	-3.022	0	%100
99	M79A	X	4.878	4.878	0	%100
100	M79A	Z	-2.817	-2.817	0	%100
101	M90	X	5.234	5.234	0	%100
102	M90	Z	-3.022	-3.022	0	%100
103	M95	X	20.934	20.934	0	%100
104	M95	Z	-12.086	-12.086	0	%100
105	M106	X	2.338	2.338	0	%100
106	M106	Z	-1.35	-1.35	0	%100
107	M111	X	9.35	9.35	0	%100
108	M111	Z	-5.398	-5.398	0	%100
109	M116	X	2.338	2.338	0	%100
110	M116	Z	-1.35	-1.35	0	%100
111	M123	X	3.017	3.017	0	%100
112	M123	Z	-1.742	-1.742	0	%100
113	M124	X	3.017	3.017	0	%100
114	M124	Z	-1.742	-1.742	0	%100
115	M125	X	12.067	12.067	0	%100
116	M125	Z	-6.967	-6.967	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	M4	X	13.35	13.35	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	3.338	3.338	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	3.338	3.338	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	8.473	8.473	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	8.473	8.473	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	8.473	8.473	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	8.473	8.473	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	10.797	10.797	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	8.919	8.919	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	8.919	8.919	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	8.919	8.919	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	10.797	10.797	0	%100
28	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	MP4C	X	8.919	8.919	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	8.919	8.919	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	8.919	8.919	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	10.797	10.797	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	8.919	8.919	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	8.919	8.919	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	8.919	8.919	0	%100
42	MP1B	Z	0	0	0	%100
43	OVP1	X	7.294	7.294	0	%100
44	OVP1	Z	0	0	0	%100
45	M51B	X	9.384	9.384	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	9.384	9.384	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	9.384	9.384	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	9.384	9.384	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	0	0	0	%100
59	M82A	X	9.858	9.858	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	9.858	9.858	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	22.533	22.533	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	17.212	17.212	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	22.533	22.533	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	17.212	17.212	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	5.633	5.633	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	17.212	17.212	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	5.633	5.633	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	M87	X	5.633	5.633	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	0	0	0	%100
83	M92A	X	5.633	5.633	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	17.212	17.212	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,%]
86	M93	Z	0	0	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	0	0	0	%100
89	M80	X	18.129	18.129	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	18.129	18.129	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	16.899	16.899	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	18.129	18.129	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	0	0	0	%100
99	M79A	X	16.899	16.899	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	0	0	0	%100
103	M95	X	18.129	18.129	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M111	X	8.098	8.098	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	8.098	8.098	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	10.45	10.45	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	10.45	10.45	0	%100
116	M125	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	M4	X	8.671	8.671	0	%100
2	M4	Z	5.006	5.006	0	%100
3	M52A	X	8.671	8.671	0	%100
4	M52A	Z	5.006	5.006	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	2.446	2.446	0	%100
8	M10	Z	1.412	1.412	0	%100
9	M43	X	2.446	2.446	0	%100
10	M43	Z	1.412	1.412	0	%100
11	M53	X	2.446	2.446	0	%100
12	M53	Z	1.412	1.412	0	%100
13	M54	X	2.446	2.446	0	%100
14	M54	Z	1.412	1.412	0	%100
15	M77A	X	9.783	9.783	0	%100
16	M77A	Z	5.648	5.648	0	%100
17	M78	X	9.783	9.783	0	%100
18	M78	Z	5.648	5.648	0	%100
19	MP3A	X	9.35	9.35	0	%100
20	MP3A	Z	5.398	5.398	0	%100
21	MP4A	X	7.724	7.724	0	%100
22	MP4A	Z	4.46	4.46	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,%]
23	MP2A	X	7.724	7.724	0	%100
24	MP2A	Z	4.46	4.46	0	%100
25	MP1A	X	7.724	7.724	0	%100
26	MP1A	Z	4.46	4.46	0	%100
27	MP3C	X	9.35	9.35	0	%100
28	MP3C	Z	5.398	5.398	0	%100
29	MP4C	X	7.724	7.724	0	%100
30	MP4C	Z	4.46	4.46	0	%100
31	MP2C	X	7.724	7.724	0	%100
32	MP2C	Z	4.46	4.46	0	%100
33	MP1C	X	7.724	7.724	0	%100
34	MP1C	Z	4.46	4.46	0	%100
35	MP3B	X	9.35	9.35	0	%100
36	MP3B	Z	5.398	5.398	0	%100
37	MP4B	X	7.724	7.724	0	%100
38	MP4B	Z	4.46	4.46	0	%100
39	MP2B	X	7.724	7.724	0	%100
40	MP2B	Z	4.46	4.46	0	%100
41	MP1B	X	7.724	7.724	0	%100
42	MP1B	Z	4.46	4.46	0	%100
43	OVP1	X	6.316	6.316	0	%100
44	OVP1	Z	3.647	3.647	0	%100
45	M51B	X	2.709	2.709	0	%100
46	M51B	Z	1.564	1.564	0	%100
47	M52B	X	10.836	10.836	0	%100
48	M52B	Z	6.256	6.256	0	%100
49	M58A	X	10.836	10.836	0	%100
50	M58A	Z	6.256	6.256	0	%100
51	M59A	X	2.709	2.709	0	%100
52	M59A	Z	1.564	1.564	0	%100
53	M82	X	2.709	2.709	0	%100
54	M82	Z	1.564	1.564	0	%100
55	M83A	X	2.709	2.709	0	%100
56	M83A	Z	1.564	1.564	0	%100
57	M1	X	2.846	2.846	0	%100
58	M1	Z	1.643	1.643	0	%100
59	M82A	X	2.846	2.846	0	%100
60	M82A	Z	1.643	1.643	0	%100
61	M100	X	11.383	11.383	0	%100
62	M100	Z	6.572	6.572	0	%100
63	M76	X	14.635	14.635	0	%100
64	M76	Z	8.45	8.45	0	%100
65	M77	X	4.969	4.969	0	%100
66	M77	Z	2.869	2.869	0	%100
67	M84	X	14.635	14.635	0	%100
68	M84	Z	8.45	8.45	0	%100
69	M85	X	19.875	19.875	0	%100
70	M85	Z	11.475	11.475	0	%100
71	M63	X	14.635	14.635	0	%100
72	M63	Z	8.45	8.45	0	%100
73	M64	X	19.875	19.875	0	%100
74	M64	Z	11.475	11.475	0	%100
75	M68	X	14.635	14.635	0	%100
76	M68	Z	8.45	8.45	0	%100
77	M69	X	4.969	4.969	0	%100
78	M69	Z	2.869	2.869	0	%100
79	M87	X	0	0	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,%]
80	M87	Z	0	0	0	%100
81	M88A	X	4.969	4.969	0	%100
82	M88A	Z	2.869	2.869	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	4.969	4.969	0	%100
86	M93	Z	2.869	2.869	0	%100
87	M46	X	4.878	4.878	0	%100
88	M46	Z	2.817	2.817	0	%100
89	M80	X	5.234	5.234	0	%100
90	M80	Z	3.022	3.022	0	%100
91	M91	X	20.934	20.934	0	%100
92	M91	Z	12.086	12.086	0	%100
93	M55	X	4.878	4.878	0	%100
94	M55	Z	2.817	2.817	0	%100
95	M66	X	20.934	20.934	0	%100
96	M66	Z	12.086	12.086	0	%100
97	M71	X	5.234	5.234	0	%100
98	M71	Z	3.022	3.022	0	%100
99	M79A	X	19.514	19.514	0	%100
100	M79A	Z	11.266	11.266	0	%100
101	M90	X	5.234	5.234	0	%100
102	M90	Z	3.022	3.022	0	%100
103	M95	X	5.234	5.234	0	%100
104	M95	Z	3.022	3.022	0	%100
105	M106	X	2.338	2.338	0	%100
106	M106	Z	1.35	1.35	0	%100
107	M111	X	2.338	2.338	0	%100
108	M111	Z	1.35	1.35	0	%100
109	M116	X	9.35	9.35	0	%100
110	M116	Z	5.398	5.398	0	%100
111	M123	X	12.067	12.067	0	%100
112	M123	Z	6.967	6.967	0	%100
113	M124	X	3.017	3.017	0	%100
114	M124	Z	1.742	1.742	0	%100
115	M125	X	3.017	3.017	0	%100
116	M125	Z	1.742	1.742	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	M4	X	1.669	1.669	0	%100
2	M4	Z	2.89	2.89	0	%100
3	M52A	X	6.675	6.675	0	%100
4	M52A	Z	11.562	11.562	0	%100
5	M76A	X	1.669	1.669	0	%100
6	M76A	Z	2.89	2.89	0	%100
7	M10	X	4.236	4.236	0	%100
8	M10	Z	7.337	7.337	0	%100
9	M43	X	4.236	4.236	0	%100
10	M43	Z	7.337	7.337	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	4.236	4.236	0	%100
16	M77A	Z	7.337	7.337	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,%]
17	M78	X	4.236	4.236	0	%100
18	M78	Z	7.337	7.337	0	%100
19	MP3A	X	5.398	5.398	0	%100
20	MP3A	Z	9.35	9.35	0	%100
21	MP4A	X	4.46	4.46	0	%100
22	MP4A	Z	7.724	7.724	0	%100
23	MP2A	X	4.46	4.46	0	%100
24	MP2A	Z	7.724	7.724	0	%100
25	MP1A	X	4.46	4.46	0	%100
26	MP1A	Z	7.724	7.724	0	%100
27	MP3C	X	5.398	5.398	0	%100
28	MP3C	Z	9.35	9.35	0	%100
29	MP4C	X	4.46	4.46	0	%100
30	MP4C	Z	7.724	7.724	0	%100
31	MP2C	X	4.46	4.46	0	%100
32	MP2C	Z	7.724	7.724	0	%100
33	MP1C	X	4.46	4.46	0	%100
34	MP1C	Z	7.724	7.724	0	%100
35	MP3B	X	5.398	5.398	0	%100
36	MP3B	Z	9.35	9.35	0	%100
37	MP4B	X	4.46	4.46	0	%100
38	MP4B	Z	7.724	7.724	0	%100
39	MP2B	X	4.46	4.46	0	%100
40	MP2B	Z	7.724	7.724	0	%100
41	MP1B	X	4.46	4.46	0	%100
42	MP1B	Z	7.724	7.724	0	%100
43	OVP1	X	3.647	3.647	0	%100
44	OVP1	Z	6.316	6.316	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	4.692	4.692	0	%100
48	M52B	Z	8.127	8.127	0	%100
49	M58A	X	4.692	4.692	0	%100
50	M58A	Z	8.127	8.127	0	%100
51	M59A	X	4.692	4.692	0	%100
52	M59A	Z	8.127	8.127	0	%100
53	M82	X	4.692	4.692	0	%100
54	M82	Z	8.127	8.127	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	4.929	4.929	0	%100
58	M1	Z	8.537	8.537	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	4.929	4.929	0	%100
62	M100	Z	8.537	8.537	0	%100
63	M76	X	2.817	2.817	0	%100
64	M76	Z	4.878	4.878	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	2.817	2.817	0	%100
68	M84	Z	4.878	4.878	0	%100
69	M85	X	8.606	8.606	0	%100
70	M85	Z	14.906	14.906	0	%100
71	M63	X	11.266	11.266	0	%100
72	M63	Z	19.514	19.514	0	%100
73	M64	X	8.606	8.606	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,%]
74	M64	Z	14.906	14.906	0	%100
75	M68	X	11.266	11.266	0	%100
76	M68	Z	19.514	19.514	0	%100
77	M69	X	8.606	8.606	0	%100
78	M69	Z	14.906	14.906	0	%100
79	M87	X	2.817	2.817	0	%100
80	M87	Z	4.878	4.878	0	%100
81	M88A	X	8.606	8.606	0	%100
82	M88A	Z	14.906	14.906	0	%100
83	M92A	X	2.817	2.817	0	%100
84	M92A	Z	4.878	4.878	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	8.45	8.45	0	%100
88	M46	Z	14.635	14.635	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	9.065	9.065	0	%100
92	M91	Z	15.701	15.701	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	9.065	9.065	0	%100
96	M66	Z	15.701	15.701	0	%100
97	M71	X	9.065	9.065	0	%100
98	M71	Z	15.701	15.701	0	%100
99	M79A	X	8.45	8.45	0	%100
100	M79A	Z	14.635	14.635	0	%100
101	M90	X	9.065	9.065	0	%100
102	M90	Z	15.701	15.701	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	4.049	4.049	0	%100
106	M106	Z	7.013	7.013	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	4.049	4.049	0	%100
110	M116	Z	7.013	7.013	0	%100
111	M123	X	5.225	5.225	0	%100
112	M123	Z	9.05	9.05	0	%100
113	M124	X	5.225	5.225	0	%100
114	M124	Z	9.05	9.05	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	10.013	10.013	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	10.013	10.013	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	11.297	11.297	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	11.297	11.297	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,%]
11	M53	X	0	0	0	%100
12	M53	Z	2.824	2.824	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	2.824	2.824	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	2.824	2.824	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	2.824	2.824	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	10.797	10.797	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	8.919	8.919	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	8.919	8.919	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	8.919	8.919	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	10.797	10.797	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	8.919	8.919	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	8.919	8.919	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	8.919	8.919	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	10.797	10.797	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	8.919	8.919	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	8.919	8.919	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	8.919	8.919	0	%100
43	OVP1	X	0	0	0	%100
44	OVP1	Z	7.294	7.294	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	3.128	3.128	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	3.128	3.128	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	3.128	3.128	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	12.512	12.512	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	12.512	12.512	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	3.128	3.128	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	13.144	13.144	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	3.286	3.286	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	3.286	3.286	0	%100
63	M76	X	0	0	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	5.737	5.737	0	%100
67	M84	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,%]
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	5.737	5.737	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	16.899	16.899	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	5.737	5.737	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	16.899	16.899	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	22.95	22.95	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	16.899	16.899	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	22.95	22.95	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	16.899	16.899	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	5.737	5.737	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	22.533	22.533	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	6.043	6.043	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	6.043	6.043	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	5.633	5.633	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	6.043	6.043	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	24.173	24.173	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	5.633	5.633	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	24.173	24.173	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	6.043	6.043	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	10.797	10.797	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	2.699	2.699	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	2.699	2.699	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	3.483	3.483	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	13.934	13.934	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	3.483	3.483	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	M4	X	-1.669	-1.669	0	%100
2	M4	Z	2.89	2.89	0	%100
3	M52A	X	-1.669	-1.669	0	%100
4	M52A	Z	2.89	2.89	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,%]
5	M76A	X	-6.675	-6.675	0	%100
6	M76A	Z	11.562	11.562	0	%100
7	M10	X	-4.236	-4.236	0	%100
8	M10	Z	7.337	7.337	0	%100
9	M43	X	-4.236	-4.236	0	%100
10	M43	Z	7.337	7.337	0	%100
11	M53	X	-4.236	-4.236	0	%100
12	M53	Z	7.337	7.337	0	%100
13	M54	X	-4.236	-4.236	0	%100
14	M54	Z	7.337	7.337	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	-5.398	-5.398	0	%100
20	MP3A	Z	9.35	9.35	0	%100
21	MP4A	X	-4.46	-4.46	0	%100
22	MP4A	Z	7.724	7.724	0	%100
23	MP2A	X	-4.46	-4.46	0	%100
24	MP2A	Z	7.724	7.724	0	%100
25	MP1A	X	-4.46	-4.46	0	%100
26	MP1A	Z	7.724	7.724	0	%100
27	MP3C	X	-5.398	-5.398	0	%100
28	MP3C	Z	9.35	9.35	0	%100
29	MP4C	X	-4.46	-4.46	0	%100
30	MP4C	Z	7.724	7.724	0	%100
31	MP2C	X	-4.46	-4.46	0	%100
32	MP2C	Z	7.724	7.724	0	%100
33	MP1C	X	-4.46	-4.46	0	%100
34	MP1C	Z	7.724	7.724	0	%100
35	MP3B	X	-5.398	-5.398	0	%100
36	MP3B	Z	9.35	9.35	0	%100
37	MP4B	X	-4.46	-4.46	0	%100
38	MP4B	Z	7.724	7.724	0	%100
39	MP2B	X	-4.46	-4.46	0	%100
40	MP2B	Z	7.724	7.724	0	%100
41	MP1B	X	-4.46	-4.46	0	%100
42	MP1B	Z	7.724	7.724	0	%100
43	OVP1	X	-3.647	-3.647	0	%100
44	OVP1	Z	6.316	6.316	0	%100
45	M51B	X	-4.692	-4.692	0	%100
46	M51B	Z	8.127	8.127	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	-4.692	-4.692	0	%100
52	M59A	Z	8.127	8.127	0	%100
53	M82	X	-4.692	-4.692	0	%100
54	M82	Z	8.127	8.127	0	%100
55	M83A	X	-4.692	-4.692	0	%100
56	M83A	Z	8.127	8.127	0	%100
57	M1	X	-4.929	-4.929	0	%100
58	M1	Z	8.537	8.537	0	%100
59	M82A	X	-4.929	-4.929	0	%100
60	M82A	Z	8.537	8.537	0	%100
61	M100	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M100	Z	0	0	0	%100
63	M76	X	-2.817	-2.817	0	%100
64	M76	Z	4.878	4.878	0	%100
65	M77	X	-8.606	-8.606	0	%100
66	M77	Z	14.906	14.906	0	%100
67	M84	X	-2.817	-2.817	0	%100
68	M84	Z	4.878	4.878	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	-2.817	-2.817	0	%100
72	M63	Z	4.878	4.878	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	-2.817	-2.817	0	%100
76	M68	Z	4.878	4.878	0	%100
77	M69	X	-8.606	-8.606	0	%100
78	M69	Z	14.906	14.906	0	%100
79	M87	X	-11.266	-11.266	0	%100
80	M87	Z	19.514	19.514	0	%100
81	M88A	X	-8.606	-8.606	0	%100
82	M88A	Z	14.906	14.906	0	%100
83	M92A	X	-11.266	-11.266	0	%100
84	M92A	Z	19.514	19.514	0	%100
85	M93	X	-8.606	-8.606	0	%100
86	M93	Z	14.906	14.906	0	%100
87	M46	X	-8.45	-8.45	0	%100
88	M46	Z	14.635	14.635	0	%100
89	M80	X	-9.065	-9.065	0	%100
90	M80	Z	15.701	15.701	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	-8.45	-8.45	0	%100
94	M55	Z	14.635	14.635	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	-9.065	-9.065	0	%100
98	M71	Z	15.701	15.701	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	-9.065	-9.065	0	%100
102	M90	Z	15.701	15.701	0	%100
103	M95	X	-9.065	-9.065	0	%100
104	M95	Z	15.701	15.701	0	%100
105	M106	X	-4.049	-4.049	0	%100
106	M106	Z	7.013	7.013	0	%100
107	M111	X	-4.049	-4.049	0	%100
108	M111	Z	7.013	7.013	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-5.225	-5.225	0	%100
114	M124	Z	9.05	9.05	0	%100
115	M125	X	-5.225	-5.225	0	%100
116	M125	Z	9.05	9.05	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-8.671	-8.671	0	%100
2	M4	Z	5.006	5.006	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-8.671	-8.671	0	%100
6	M76A	Z	5.006	5.006	0	%100
7	M10	X	-2.446	-2.446	0	%100
8	M10	Z	1.412	1.412	0	%100
9	M43	X	-2.446	-2.446	0	%100
10	M43	Z	1.412	1.412	0	%100
11	M53	X	-9.783	-9.783	0	%100
12	M53	Z	5.648	5.648	0	%100
13	M54	X	-9.783	-9.783	0	%100
14	M54	Z	5.648	5.648	0	%100
15	M77A	X	-2.446	-2.446	0	%100
16	M77A	Z	1.412	1.412	0	%100
17	M78	X	-2.446	-2.446	0	%100
18	M78	Z	1.412	1.412	0	%100
19	MP3A	X	-9.35	-9.35	0	%100
20	MP3A	Z	5.398	5.398	0	%100
21	MP4A	X	-7.724	-7.724	0	%100
22	MP4A	Z	4.46	4.46	0	%100
23	MP2A	X	-7.724	-7.724	0	%100
24	MP2A	Z	4.46	4.46	0	%100
25	MP1A	X	-7.724	-7.724	0	%100
26	MP1A	Z	4.46	4.46	0	%100
27	MP3C	X	-9.35	-9.35	0	%100
28	MP3C	Z	5.398	5.398	0	%100
29	MP4C	X	-7.724	-7.724	0	%100
30	MP4C	Z	4.46	4.46	0	%100
31	MP2C	X	-7.724	-7.724	0	%100
32	MP2C	Z	4.46	4.46	0	%100
33	MP1C	X	-7.724	-7.724	0	%100
34	MP1C	Z	4.46	4.46	0	%100
35	MP3B	X	-9.35	-9.35	0	%100
36	MP3B	Z	5.398	5.398	0	%100
37	MP4B	X	-7.724	-7.724	0	%100
38	MP4B	Z	4.46	4.46	0	%100
39	MP2B	X	-7.724	-7.724	0	%100
40	MP2B	Z	4.46	4.46	0	%100
41	MP1B	X	-7.724	-7.724	0	%100
42	MP1B	Z	4.46	4.46	0	%100
43	OVP1	X	-6.316	-6.316	0	%100
44	OVP1	Z	3.647	3.647	0	%100
45	M51B	X	-10.836	-10.836	0	%100
46	M51B	Z	6.256	6.256	0	%100
47	M52B	X	-2.709	-2.709	0	%100
48	M52B	Z	1.564	1.564	0	%100
49	M58A	X	-2.709	-2.709	0	%100
50	M58A	Z	1.564	1.564	0	%100
51	M59A	X	-2.709	-2.709	0	%100
52	M59A	Z	1.564	1.564	0	%100
53	M82	X	-2.709	-2.709	0	%100
54	M82	Z	1.564	1.564	0	%100
55	M83A	X	-10.836	-10.836	0	%100
56	M83A	Z	6.256	6.256	0	%100
57	M1	X	-2.846	-2.846	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,%]
58	M1	Z	1.643	1.643	0	%100
59	M82A	X	-11.383	-11.383	0	%100
60	M82A	Z	6.572	6.572	0	%100
61	M100	X	-2.846	-2.846	0	%100
62	M100	Z	1.643	1.643	0	%100
63	M76	X	-14.635	-14.635	0	%100
64	M76	Z	8.45	8.45	0	%100
65	M77	X	-19.875	-19.875	0	%100
66	M77	Z	11.475	11.475	0	%100
67	M84	X	-14.635	-14.635	0	%100
68	M84	Z	8.45	8.45	0	%100
69	M85	X	-4.969	-4.969	0	%100
70	M85	Z	2.869	2.869	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	-4.969	-4.969	0	%100
74	M64	Z	2.869	2.869	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-4.969	-4.969	0	%100
78	M69	Z	2.869	2.869	0	%100
79	M87	X	-14.635	-14.635	0	%100
80	M87	Z	8.45	8.45	0	%100
81	M88A	X	-4.969	-4.969	0	%100
82	M88A	Z	2.869	2.869	0	%100
83	M92A	X	-14.635	-14.635	0	%100
84	M92A	Z	8.45	8.45	0	%100
85	M93	X	-19.875	-19.875	0	%100
86	M93	Z	11.475	11.475	0	%100
87	M46	X	-4.878	-4.878	0	%100
88	M46	Z	2.817	2.817	0	%100
89	M80	X	-20.934	-20.934	0	%100
90	M80	Z	12.086	12.086	0	%100
91	M91	X	-5.234	-5.234	0	%100
92	M91	Z	3.022	3.022	0	%100
93	M55	X	-19.514	-19.514	0	%100
94	M55	Z	11.266	11.266	0	%100
95	M66	X	-5.234	-5.234	0	%100
96	M66	Z	3.022	3.022	0	%100
97	M71	X	-5.234	-5.234	0	%100
98	M71	Z	3.022	3.022	0	%100
99	M79A	X	-4.878	-4.878	0	%100
100	M79A	Z	2.817	2.817	0	%100
101	M90	X	-5.234	-5.234	0	%100
102	M90	Z	3.022	3.022	0	%100
103	M95	X	-20.934	-20.934	0	%100
104	M95	Z	12.086	12.086	0	%100
105	M106	X	-2.338	-2.338	0	%100
106	M106	Z	1.35	1.35	0	%100
107	M111	X	-9.35	-9.35	0	%100
108	M111	Z	5.398	5.398	0	%100
109	M116	X	-2.338	-2.338	0	%100
110	M116	Z	1.35	1.35	0	%100
111	M123	X	-3.017	-3.017	0	%100
112	M123	Z	1.742	1.742	0	%100
113	M124	X	-3.017	-3.017	0	%100
114	M124	Z	1.742	1.742	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,%]
115	M125	X	-12.067	-12.067	0	%100
116	M125	Z	6.967	6.967	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	M4	X	-13.35	-13.35	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	-3.338	-3.338	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-3.338	-3.338	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	-8.473	-8.473	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	-8.473	-8.473	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-8.473	-8.473	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	-8.473	-8.473	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	-10.797	-10.797	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-8.919	-8.919	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-8.919	-8.919	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-8.919	-8.919	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-10.797	-10.797	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-8.919	-8.919	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-8.919	-8.919	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-8.919	-8.919	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-10.797	-10.797	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-8.919	-8.919	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-8.919	-8.919	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-8.919	-8.919	0	%100
42	MP1B	Z	0	0	0	%100
43	OVP1	X	-7.294	-7.294	0	%100
44	OVP1	Z	0	0	0	%100
45	M51B	X	-9.384	-9.384	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	-9.384	-9.384	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	-9.384	-9.384	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	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,%]
52	M59A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	-9.384	-9.384	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	0	0	0	%100
59	M82A	X	-9.858	-9.858	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	-9.858	-9.858	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	-22.533	-22.533	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	-17.212	-17.212	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	-22.533	-22.533	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	-17.212	-17.212	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	-5.633	-5.633	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	-17.212	-17.212	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	-5.633	-5.633	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	M87	X	-5.633	-5.633	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	0	0	0	%100
83	M92A	X	-5.633	-5.633	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	-17.212	-17.212	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	0	0	0	%100
89	M80	X	-18.129	-18.129	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	-18.129	-18.129	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	-16.899	-16.899	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	-18.129	-18.129	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	0	0	0	%100
99	M79A	X	-16.899	-16.899	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	0	0	0	%100
103	M95	X	-18.129	-18.129	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M111	X	-8.098	-8.098	0	%100
108	M111	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,%]
109	M116	X	-8.098	-8.098	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	-10.45	-10.45	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-10.45	-10.45	0	%100
116	M125	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	M4	X	-8.671	-8.671	0	%100
2	M4	Z	-5.006	-5.006	0	%100
3	M52A	X	-8.671	-8.671	0	%100
4	M52A	Z	-5.006	-5.006	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	-2.446	-2.446	0	%100
8	M10	Z	-1.412	-1.412	0	%100
9	M43	X	-2.446	-2.446	0	%100
10	M43	Z	-1.412	-1.412	0	%100
11	M53	X	-2.446	-2.446	0	%100
12	M53	Z	-1.412	-1.412	0	%100
13	M54	X	-2.446	-2.446	0	%100
14	M54	Z	-1.412	-1.412	0	%100
15	M77A	X	-9.783	-9.783	0	%100
16	M77A	Z	-5.648	-5.648	0	%100
17	M78	X	-9.783	-9.783	0	%100
18	M78	Z	-5.648	-5.648	0	%100
19	MP3A	X	-9.35	-9.35	0	%100
20	MP3A	Z	-5.398	-5.398	0	%100
21	MP4A	X	-7.724	-7.724	0	%100
22	MP4A	Z	-4.46	-4.46	0	%100
23	MP2A	X	-7.724	-7.724	0	%100
24	MP2A	Z	-4.46	-4.46	0	%100
25	MP1A	X	-7.724	-7.724	0	%100
26	MP1A	Z	-4.46	-4.46	0	%100
27	MP3C	X	-9.35	-9.35	0	%100
28	MP3C	Z	-5.398	-5.398	0	%100
29	MP4C	X	-7.724	-7.724	0	%100
30	MP4C	Z	-4.46	-4.46	0	%100
31	MP2C	X	-7.724	-7.724	0	%100
32	MP2C	Z	-4.46	-4.46	0	%100
33	MP1C	X	-7.724	-7.724	0	%100
34	MP1C	Z	-4.46	-4.46	0	%100
35	MP3B	X	-9.35	-9.35	0	%100
36	MP3B	Z	-5.398	-5.398	0	%100
37	MP4B	X	-7.724	-7.724	0	%100
38	MP4B	Z	-4.46	-4.46	0	%100
39	MP2B	X	-7.724	-7.724	0	%100
40	MP2B	Z	-4.46	-4.46	0	%100
41	MP1B	X	-7.724	-7.724	0	%100
42	MP1B	Z	-4.46	-4.46	0	%100
43	OVP1	X	-6.316	-6.316	0	%100
44	OVP1	Z	-3.647	-3.647	0	%100
45	M51B	X	-2.709	-2.709	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,%]
46	M51B	Z	-1.564	-1.564	0	%100
47	M52B	X	-10.836	-10.836	0	%100
48	M52B	Z	-6.256	-6.256	0	%100
49	M58A	X	-10.836	-10.836	0	%100
50	M58A	Z	-6.256	-6.256	0	%100
51	M59A	X	-2.709	-2.709	0	%100
52	M59A	Z	-1.564	-1.564	0	%100
53	M82	X	-2.709	-2.709	0	%100
54	M82	Z	-1.564	-1.564	0	%100
55	M83A	X	-2.709	-2.709	0	%100
56	M83A	Z	-1.564	-1.564	0	%100
57	M1	X	-2.846	-2.846	0	%100
58	M1	Z	-1.643	-1.643	0	%100
59	M82A	X	-2.846	-2.846	0	%100
60	M82A	Z	-1.643	-1.643	0	%100
61	M100	X	-11.383	-11.383	0	%100
62	M100	Z	-6.572	-6.572	0	%100
63	M76	X	-14.635	-14.635	0	%100
64	M76	Z	-8.45	-8.45	0	%100
65	M77	X	-4.969	-4.969	0	%100
66	M77	Z	-2.869	-2.869	0	%100
67	M84	X	-14.635	-14.635	0	%100
68	M84	Z	-8.45	-8.45	0	%100
69	M85	X	-19.875	-19.875	0	%100
70	M85	Z	-11.475	-11.475	0	%100
71	M63	X	-14.635	-14.635	0	%100
72	M63	Z	-8.45	-8.45	0	%100
73	M64	X	-19.875	-19.875	0	%100
74	M64	Z	-11.475	-11.475	0	%100
75	M68	X	-14.635	-14.635	0	%100
76	M68	Z	-8.45	-8.45	0	%100
77	M69	X	-4.969	-4.969	0	%100
78	M69	Z	-2.869	-2.869	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	-4.969	-4.969	0	%100
82	M88A	Z	-2.869	-2.869	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	-4.969	-4.969	0	%100
86	M93	Z	-2.869	-2.869	0	%100
87	M46	X	-4.878	-4.878	0	%100
88	M46	Z	-2.817	-2.817	0	%100
89	M80	X	-5.234	-5.234	0	%100
90	M80	Z	-3.022	-3.022	0	%100
91	M91	X	-20.934	-20.934	0	%100
92	M91	Z	-12.086	-12.086	0	%100
93	M55	X	-4.878	-4.878	0	%100
94	M55	Z	-2.817	-2.817	0	%100
95	M66	X	-20.934	-20.934	0	%100
96	M66	Z	-12.086	-12.086	0	%100
97	M71	X	-5.234	-5.234	0	%100
98	M71	Z	-3.022	-3.022	0	%100
99	M79A	X	-19.514	-19.514	0	%100
100	M79A	Z	-11.266	-11.266	0	%100
101	M90	X	-5.234	-5.234	0	%100
102	M90	Z	-3.022	-3.022	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,%]
103	M95	X	-5.234	-5.234	0	%100
104	M95	Z	-3.022	-3.022	0	%100
105	M106	X	-2.338	-2.338	0	%100
106	M106	Z	-1.35	-1.35	0	%100
107	M111	X	-2.338	-2.338	0	%100
108	M111	Z	-1.35	-1.35	0	%100
109	M116	X	-9.35	-9.35	0	%100
110	M116	Z	-5.398	-5.398	0	%100
111	M123	X	-12.067	-12.067	0	%100
112	M123	Z	-6.967	-6.967	0	%100
113	M124	X	-3.017	-3.017	0	%100
114	M124	Z	-1.742	-1.742	0	%100
115	M125	X	-3.017	-3.017	0	%100
116	M125	Z	-1.742	-1.742	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	M4	X	-1.669	-1.669	0	%100
2	M4	Z	-2.89	-2.89	0	%100
3	M52A	X	-6.675	-6.675	0	%100
4	M52A	Z	-11.562	-11.562	0	%100
5	M76A	X	-1.669	-1.669	0	%100
6	M76A	Z	-2.89	-2.89	0	%100
7	M10	X	-4.236	-4.236	0	%100
8	M10	Z	-7.337	-7.337	0	%100
9	M43	X	-4.236	-4.236	0	%100
10	M43	Z	-7.337	-7.337	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-4.236	-4.236	0	%100
16	M77A	Z	-7.337	-7.337	0	%100
17	M78	X	-4.236	-4.236	0	%100
18	M78	Z	-7.337	-7.337	0	%100
19	MP3A	X	-5.398	-5.398	0	%100
20	MP3A	Z	-9.35	-9.35	0	%100
21	MP4A	X	-4.46	-4.46	0	%100
22	MP4A	Z	-7.724	-7.724	0	%100
23	MP2A	X	-4.46	-4.46	0	%100
24	MP2A	Z	-7.724	-7.724	0	%100
25	MP1A	X	-4.46	-4.46	0	%100
26	MP1A	Z	-7.724	-7.724	0	%100
27	MP3C	X	-5.398	-5.398	0	%100
28	MP3C	Z	-9.35	-9.35	0	%100
29	MP4C	X	-4.46	-4.46	0	%100
30	MP4C	Z	-7.724	-7.724	0	%100
31	MP2C	X	-4.46	-4.46	0	%100
32	MP2C	Z	-7.724	-7.724	0	%100
33	MP1C	X	-4.46	-4.46	0	%100
34	MP1C	Z	-7.724	-7.724	0	%100
35	MP3B	X	-5.398	-5.398	0	%100
36	MP3B	Z	-9.35	-9.35	0	%100
37	MP4B	X	-4.46	-4.46	0	%100
38	MP4B	Z	-7.724	-7.724	0	%100
39	MP2B	X	-4.46	-4.46	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,%]
40	MP2B	Z	-7.724	-7.724	0	%100
41	MP1B	X	-4.46	-4.46	0	%100
42	MP1B	Z	-7.724	-7.724	0	%100
43	OVP1	X	-3.647	-3.647	0	%100
44	OVP1	Z	-6.316	-6.316	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	-4.692	-4.692	0	%100
48	M52B	Z	-8.127	-8.127	0	%100
49	M58A	X	-4.692	-4.692	0	%100
50	M58A	Z	-8.127	-8.127	0	%100
51	M59A	X	-4.692	-4.692	0	%100
52	M59A	Z	-8.127	-8.127	0	%100
53	M82	X	-4.692	-4.692	0	%100
54	M82	Z	-8.127	-8.127	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	-4.929	-4.929	0	%100
58	M1	Z	-8.537	-8.537	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	-4.929	-4.929	0	%100
62	M100	Z	-8.537	-8.537	0	%100
63	M76	X	-2.817	-2.817	0	%100
64	M76	Z	-4.878	-4.878	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	-2.817	-2.817	0	%100
68	M84	Z	-4.878	-4.878	0	%100
69	M85	X	-8.606	-8.606	0	%100
70	M85	Z	-14.906	-14.906	0	%100
71	M63	X	-11.266	-11.266	0	%100
72	M63	Z	-19.514	-19.514	0	%100
73	M64	X	-8.606	-8.606	0	%100
74	M64	Z	-14.906	-14.906	0	%100
75	M68	X	-11.266	-11.266	0	%100
76	M68	Z	-19.514	-19.514	0	%100
77	M69	X	-8.606	-8.606	0	%100
78	M69	Z	-14.906	-14.906	0	%100
79	M87	X	-2.817	-2.817	0	%100
80	M87	Z	-4.878	-4.878	0	%100
81	M88A	X	-8.606	-8.606	0	%100
82	M88A	Z	-14.906	-14.906	0	%100
83	M92A	X	-2.817	-2.817	0	%100
84	M92A	Z	-4.878	-4.878	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	-8.45	-8.45	0	%100
88	M46	Z	-14.635	-14.635	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	-9.065	-9.065	0	%100
92	M91	Z	-15.701	-15.701	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	-9.065	-9.065	0	%100
96	M66	Z	-15.701	-15.701	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,%]
97	M71	X	-9.065	-9.065	0	%100
98	M71	Z	-15.701	-15.701	0	%100
99	M79A	X	-8.45	-8.45	0	%100
100	M79A	Z	-14.635	-14.635	0	%100
101	M90	X	-9.065	-9.065	0	%100
102	M90	Z	-15.701	-15.701	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	-4.049	-4.049	0	%100
106	M106	Z	-7.013	-7.013	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	-4.049	-4.049	0	%100
110	M116	Z	-7.013	-7.013	0	%100
111	M123	X	-5.225	-5.225	0	%100
112	M123	Z	-9.05	-9.05	0	%100
113	M124	X	-5.225	-5.225	0	%100
114	M124	Z	-9.05	-9.05	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	-2.751	-2.751	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	-2.751	-2.751	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-2.979	-2.979	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-2.979	-2.979	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	-.745	-.745	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	-.745	-.745	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	-.745	-.745	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-.745	-.745	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-3.245	-3.245	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-2.935	-2.935	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-2.935	-2.935	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-2.935	-2.935	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-3.245	-3.245	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-2.935	-2.935	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-2.935	-2.935	0	%100
33	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP1C	Z	-2.935	-2.935	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-3.245	-3.245	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-2.935	-2.935	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-2.935	-2.935	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-2.935	-2.935	0	%100
43	OVP1	X	0	0	0	%100
44	OVP1	Z	-2.404	-2.404	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	-.857	-.857	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	-.857	-.857	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-.857	-.857	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	-3.426	-3.426	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	-3.426	-3.426	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	-.857	-.857	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	-3.633	-3.633	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	-.908	-.908	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	-.908	-.908	0	%100
63	M76	X	0	0	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	-1.161	-1.161	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	-1.161	-1.161	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	-3.432	-3.432	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	-1.161	-1.161	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	-3.432	-3.432	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	-4.645	-4.645	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	-3.432	-3.432	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	-4.645	-4.645	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	-3.432	-3.432	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	-1.161	-1.161	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	-4.65	-4.65	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	-1.212	-1.212	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,%]
91	M91	X	0	0	0	%100
92	M91	Z	-1.212	-1.212	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	-1.163	-1.163	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-1.212	-1.212	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	-4.847	-4.847	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	-1.163	-1.163	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	-4.847	-4.847	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-1.212	-1.212	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-3.245	-3.245	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	-.811	-.811	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	-.811	-.811	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.854	-.854	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-3.416	-3.416	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.854	-.854	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	M4	X	.458	.458	0	%100
2	M4	Z	-.794	-.794	0	%100
3	M52A	X	.458	.458	0	%100
4	M52A	Z	-.794	-.794	0	%100
5	M76A	X	1.834	1.834	0	%100
6	M76A	Z	-3.176	-3.176	0	%100
7	M10	X	1.117	1.117	0	%100
8	M10	Z	-1.935	-1.935	0	%100
9	M43	X	1.117	1.117	0	%100
10	M43	Z	-1.935	-1.935	0	%100
11	M53	X	1.117	1.117	0	%100
12	M53	Z	-1.935	-1.935	0	%100
13	M54	X	1.117	1.117	0	%100
14	M54	Z	-1.935	-1.935	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	1.623	1.623	0	%100
20	MP3A	Z	-2.811	-2.811	0	%100
21	MP4A	X	1.468	1.468	0	%100
22	MP4A	Z	-2.542	-2.542	0	%100
23	MP2A	X	1.468	1.468	0	%100
24	MP2A	Z	-2.542	-2.542	0	%100
25	MP1A	X	1.468	1.468	0	%100
26	MP1A	Z	-2.542	-2.542	0	%100
27	MP3C	X	1.623	1.623	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,%]
28	MP3C	Z	-2.811	-2.811	0	%100
29	MP4C	X	1.468	1.468	0	%100
30	MP4C	Z	-2.542	-2.542	0	%100
31	MP2C	X	1.468	1.468	0	%100
32	MP2C	Z	-2.542	-2.542	0	%100
33	MP1C	X	1.468	1.468	0	%100
34	MP1C	Z	-2.542	-2.542	0	%100
35	MP3B	X	1.623	1.623	0	%100
36	MP3B	Z	-2.811	-2.811	0	%100
37	MP4B	X	1.468	1.468	0	%100
38	MP4B	Z	-2.542	-2.542	0	%100
39	MP2B	X	1.468	1.468	0	%100
40	MP2B	Z	-2.542	-2.542	0	%100
41	MP1B	X	1.468	1.468	0	%100
42	MP1B	Z	-2.542	-2.542	0	%100
43	OVP1	X	1.202	1.202	0	%100
44	OVP1	Z	-2.082	-2.082	0	%100
45	M51B	X	1.285	1.285	0	%100
46	M51B	Z	-2.225	-2.225	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	1.285	1.285	0	%100
52	M59A	Z	-2.225	-2.225	0	%100
53	M82	X	1.285	1.285	0	%100
54	M82	Z	-2.225	-2.225	0	%100
55	M83A	X	1.285	1.285	0	%100
56	M83A	Z	-2.225	-2.225	0	%100
57	M1	X	1.363	1.363	0	%100
58	M1	Z	-2.36	-2.36	0	%100
59	M82A	X	1.363	1.363	0	%100
60	M82A	Z	-2.36	-2.36	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	.572	.572	0	%100
64	M76	Z	-.991	-.991	0	%100
65	M77	X	1.742	1.742	0	%100
66	M77	Z	-3.017	-3.017	0	%100
67	M84	X	.572	.572	0	%100
68	M84	Z	-.991	-.991	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	.572	.572	0	%100
72	M63	Z	-.991	-.991	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	.572	.572	0	%100
76	M68	Z	-.991	-.991	0	%100
77	M69	X	1.742	1.742	0	%100
78	M69	Z	-3.017	-3.017	0	%100
79	M87	X	2.288	2.288	0	%100
80	M87	Z	-3.963	-3.963	0	%100
81	M88A	X	1.742	1.742	0	%100
82	M88A	Z	-3.017	-3.017	0	%100
83	M92A	X	2.288	2.288	0	%100
84	M92A	Z	-3.963	-3.963	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,%]
85	M93	X	1.742	1.742	0	%100
86	M93	Z	-3.017	-3.017	0	%100
87	M46	X	1.744	1.744	0	%100
88	M46	Z	-3.021	-3.021	0	%100
89	M80	X	1.818	1.818	0	%100
90	M80	Z	-3.148	-3.148	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	1.744	1.744	0	%100
94	M55	Z	-3.021	-3.021	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	1.818	1.818	0	%100
98	M71	Z	-3.148	-3.148	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	1.818	1.818	0	%100
102	M90	Z	-3.148	-3.148	0	%100
103	M95	X	1.818	1.818	0	%100
104	M95	Z	-3.148	-3.148	0	%100
105	M106	X	1.217	1.217	0	%100
106	M106	Z	-2.108	-2.108	0	%100
107	M111	X	1.217	1.217	0	%100
108	M111	Z	-2.108	-2.108	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.281	1.281	0	%100
114	M124	Z	-2.219	-2.219	0	%100
115	M125	X	1.281	1.281	0	%100
116	M125	Z	-2.219	-2.219	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	M4	X	2.382	2.382	0	%100
2	M4	Z	-1.375	-1.375	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	2.382	2.382	0	%100
6	M76A	Z	-1.375	-1.375	0	%100
7	M10	X	.645	.645	0	%100
8	M10	Z	-.372	-.372	0	%100
9	M43	X	.645	.645	0	%100
10	M43	Z	-.372	-.372	0	%100
11	M53	X	2.58	2.58	0	%100
12	M53	Z	-1.49	-1.49	0	%100
13	M54	X	2.58	2.58	0	%100
14	M54	Z	-1.49	-1.49	0	%100
15	M77A	X	.645	.645	0	%100
16	M77A	Z	-.372	-.372	0	%100
17	M78	X	.645	.645	0	%100
18	M78	Z	-.372	-.372	0	%100
19	MP3A	X	2.811	2.811	0	%100
20	MP3A	Z	-1.623	-1.623	0	%100
21	MP4A	X	2.542	2.542	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,%]
22	MP4A	Z	-1.468	-1.468	0	%100
23	MP2A	X	2.542	2.542	0	%100
24	MP2A	Z	-1.468	-1.468	0	%100
25	MP1A	X	2.542	2.542	0	%100
26	MP1A	Z	-1.468	-1.468	0	%100
27	MP3C	X	2.811	2.811	0	%100
28	MP3C	Z	-1.623	-1.623	0	%100
29	MP4C	X	2.542	2.542	0	%100
30	MP4C	Z	-1.468	-1.468	0	%100
31	MP2C	X	2.542	2.542	0	%100
32	MP2C	Z	-1.468	-1.468	0	%100
33	MP1C	X	2.542	2.542	0	%100
34	MP1C	Z	-1.468	-1.468	0	%100
35	MP3B	X	2.811	2.811	0	%100
36	MP3B	Z	-1.623	-1.623	0	%100
37	MP4B	X	2.542	2.542	0	%100
38	MP4B	Z	-1.468	-1.468	0	%100
39	MP2B	X	2.542	2.542	0	%100
40	MP2B	Z	-1.468	-1.468	0	%100
41	MP1B	X	2.542	2.542	0	%100
42	MP1B	Z	-1.468	-1.468	0	%100
43	OVP1	X	2.082	2.082	0	%100
44	OVP1	Z	-1.202	-1.202	0	%100
45	M51B	X	2.967	2.967	0	%100
46	M51B	Z	-1.713	-1.713	0	%100
47	M52B	X	.742	.742	0	%100
48	M52B	Z	-.428	-.428	0	%100
49	M58A	X	.742	.742	0	%100
50	M58A	Z	-.428	-.428	0	%100
51	M59A	X	.742	.742	0	%100
52	M59A	Z	-.428	-.428	0	%100
53	M82	X	.742	.742	0	%100
54	M82	Z	-.428	-.428	0	%100
55	M83A	X	2.967	2.967	0	%100
56	M83A	Z	-1.713	-1.713	0	%100
57	M1	X	.787	.787	0	%100
58	M1	Z	-.454	-.454	0	%100
59	M82A	X	3.147	3.147	0	%100
60	M82A	Z	-1.817	-1.817	0	%100
61	M100	X	.787	.787	0	%100
62	M100	Z	-.454	-.454	0	%100
63	M76	X	2.972	2.972	0	%100
64	M76	Z	-1.716	-1.716	0	%100
65	M77	X	4.023	4.023	0	%100
66	M77	Z	-2.322	-2.322	0	%100
67	M84	X	2.972	2.972	0	%100
68	M84	Z	-1.716	-1.716	0	%100
69	M85	X	1.006	1.006	0	%100
70	M85	Z	-.581	-.581	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	1.006	1.006	0	%100
74	M64	Z	-.581	-.581	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	1.006	1.006	0	%100
78	M69	Z	-.581	-.581	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,%]
79	M87	X	2.972	2.972	0	%100
80	M87	Z	-1.716	-1.716	0	%100
81	M88A	X	1.006	1.006	0	%100
82	M88A	Z	-.581	-.581	0	%100
83	M92A	X	2.972	2.972	0	%100
84	M92A	Z	-1.716	-1.716	0	%100
85	M93	X	4.023	4.023	0	%100
86	M93	Z	-2.322	-2.322	0	%100
87	M46	X	1.007	1.007	0	%100
88	M46	Z	-.581	-.581	0	%100
89	M80	X	4.198	4.198	0	%100
90	M80	Z	-2.423	-2.423	0	%100
91	M91	X	1.049	1.049	0	%100
92	M91	Z	-.606	-.606	0	%100
93	M55	X	4.027	4.027	0	%100
94	M55	Z	-2.325	-2.325	0	%100
95	M66	X	1.049	1.049	0	%100
96	M66	Z	-.606	-.606	0	%100
97	M71	X	1.049	1.049	0	%100
98	M71	Z	-.606	-.606	0	%100
99	M79A	X	1.007	1.007	0	%100
100	M79A	Z	-.581	-.581	0	%100
101	M90	X	1.049	1.049	0	%100
102	M90	Z	-.606	-.606	0	%100
103	M95	X	4.198	4.198	0	%100
104	M95	Z	-2.423	-2.423	0	%100
105	M106	X	.703	.703	0	%100
106	M106	Z	-.406	-.406	0	%100
107	M111	X	2.811	2.811	0	%100
108	M111	Z	-1.623	-1.623	0	%100
109	M116	X	.703	.703	0	%100
110	M116	Z	-.406	-.406	0	%100
111	M123	X	.74	.74	0	%100
112	M123	Z	-.427	-.427	0	%100
113	M124	X	.74	.74	0	%100
114	M124	Z	-.427	-.427	0	%100
115	M125	X	2.958	2.958	0	%100
116	M125	Z	-1.708	-1.708	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	M4	X	3.667	3.667	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	.917	.917	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	.917	.917	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	2.234	2.234	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	2.234	2.234	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	2.234	2.234	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,%]
16	M77A	Z	0	0	0	%100
17	M78	X	2.234	2.234	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	3.245	3.245	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	2.935	2.935	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	2.935	2.935	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	2.935	2.935	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	3.245	3.245	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	2.935	2.935	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	2.935	2.935	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	2.935	2.935	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	3.245	3.245	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	2.935	2.935	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	2.935	2.935	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	2.935	2.935	0	%100
42	MP1B	Z	0	0	0	%100
43	OVP1	X	2.404	2.404	0	%100
44	OVP1	Z	0	0	0	%100
45	M51B	X	2.57	2.57	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	2.57	2.57	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	2.57	2.57	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	2.57	2.57	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	0	0	0	%100
59	M82A	X	2.725	2.725	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	2.725	2.725	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	4.576	4.576	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	3.484	3.484	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	4.576	4.576	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	3.484	3.484	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	1.144	1.144	0	%100
72	M63	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,%]
73	M64	X	3.484	3.484	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	1.144	1.144	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	M87	X	1.144	1.144	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	0	0	0	%100
83	M92A	X	1.144	1.144	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	3.484	3.484	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	0	0	0	%100
89	M80	X	3.635	3.635	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	3.635	3.635	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	3.488	3.488	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	3.635	3.635	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	0	0	0	%100
99	M79A	X	3.488	3.488	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	0	0	0	%100
103	M95	X	3.635	3.635	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M111	X	2.434	2.434	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	2.434	2.434	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	2.562	2.562	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	2.562	2.562	0	%100
116	M125	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	M4	X	2.382	2.382	0	%100
2	M4	Z	1.375	1.375	0	%100
3	M52A	X	2.382	2.382	0	%100
4	M52A	Z	1.375	1.375	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	.645	.645	0	%100
8	M10	Z	.372	.372	0	%100
9	M43	X	.645	.645	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,%]
10	M43	Z	.372	.372	0	%100
11	M53	X	.645	.645	0	%100
12	M53	Z	.372	.372	0	%100
13	M54	X	.645	.645	0	%100
14	M54	Z	.372	.372	0	%100
15	M77A	X	2.58	2.58	0	%100
16	M77A	Z	1.49	1.49	0	%100
17	M78	X	2.58	2.58	0	%100
18	M78	Z	1.49	1.49	0	%100
19	MP3A	X	2.811	2.811	0	%100
20	MP3A	Z	1.623	1.623	0	%100
21	MP4A	X	2.542	2.542	0	%100
22	MP4A	Z	1.468	1.468	0	%100
23	MP2A	X	2.542	2.542	0	%100
24	MP2A	Z	1.468	1.468	0	%100
25	MP1A	X	2.542	2.542	0	%100
26	MP1A	Z	1.468	1.468	0	%100
27	MP3C	X	2.811	2.811	0	%100
28	MP3C	Z	1.623	1.623	0	%100
29	MP4C	X	2.542	2.542	0	%100
30	MP4C	Z	1.468	1.468	0	%100
31	MP2C	X	2.542	2.542	0	%100
32	MP2C	Z	1.468	1.468	0	%100
33	MP1C	X	2.542	2.542	0	%100
34	MP1C	Z	1.468	1.468	0	%100
35	MP3B	X	2.811	2.811	0	%100
36	MP3B	Z	1.623	1.623	0	%100
37	MP4B	X	2.542	2.542	0	%100
38	MP4B	Z	1.468	1.468	0	%100
39	MP2B	X	2.542	2.542	0	%100
40	MP2B	Z	1.468	1.468	0	%100
41	MP1B	X	2.542	2.542	0	%100
42	MP1B	Z	1.468	1.468	0	%100
43	OVP1	X	2.082	2.082	0	%100
44	OVP1	Z	1.202	1.202	0	%100
45	M51B	X	.742	.742	0	%100
46	M51B	Z	.428	.428	0	%100
47	M52B	X	2.967	2.967	0	%100
48	M52B	Z	1.713	1.713	0	%100
49	M58A	X	2.967	2.967	0	%100
50	M58A	Z	1.713	1.713	0	%100
51	M59A	X	.742	.742	0	%100
52	M59A	Z	.428	.428	0	%100
53	M82	X	.742	.742	0	%100
54	M82	Z	.428	.428	0	%100
55	M83A	X	.742	.742	0	%100
56	M83A	Z	.428	.428	0	%100
57	M1	X	.787	.787	0	%100
58	M1	Z	.454	.454	0	%100
59	M82A	X	.787	.787	0	%100
60	M82A	Z	.454	.454	0	%100
61	M100	X	3.147	3.147	0	%100
62	M100	Z	1.817	1.817	0	%100
63	M76	X	2.972	2.972	0	%100
64	M76	Z	1.716	1.716	0	%100
65	M77	X	1.006	1.006	0	%100
66	M77	Z	.581	.581	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,%]
67	M84	X	2.972	2.972	0	%100
68	M84	Z	1.716	1.716	0	%100
69	M85	X	4.023	4.023	0	%100
70	M85	Z	2.322	2.322	0	%100
71	M63	X	2.972	2.972	0	%100
72	M63	Z	1.716	1.716	0	%100
73	M64	X	4.023	4.023	0	%100
74	M64	Z	2.322	2.322	0	%100
75	M68	X	2.972	2.972	0	%100
76	M68	Z	1.716	1.716	0	%100
77	M69	X	1.006	1.006	0	%100
78	M69	Z	.581	.581	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	1.006	1.006	0	%100
82	M88A	Z	.581	.581	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	1.006	1.006	0	%100
86	M93	Z	.581	.581	0	%100
87	M46	X	1.007	1.007	0	%100
88	M46	Z	.581	.581	0	%100
89	M80	X	1.049	1.049	0	%100
90	M80	Z	.606	.606	0	%100
91	M91	X	4.198	4.198	0	%100
92	M91	Z	2.423	2.423	0	%100
93	M55	X	1.007	1.007	0	%100
94	M55	Z	.581	.581	0	%100
95	M66	X	4.198	4.198	0	%100
96	M66	Z	2.423	2.423	0	%100
97	M71	X	1.049	1.049	0	%100
98	M71	Z	.606	.606	0	%100
99	M79A	X	4.027	4.027	0	%100
100	M79A	Z	2.325	2.325	0	%100
101	M90	X	1.049	1.049	0	%100
102	M90	Z	.606	.606	0	%100
103	M95	X	1.049	1.049	0	%100
104	M95	Z	.606	.606	0	%100
105	M106	X	.703	.703	0	%100
106	M106	Z	.406	.406	0	%100
107	M111	X	.703	.703	0	%100
108	M111	Z	.406	.406	0	%100
109	M116	X	2.811	2.811	0	%100
110	M116	Z	1.623	1.623	0	%100
111	M123	X	2.958	2.958	0	%100
112	M123	Z	1.708	1.708	0	%100
113	M124	X	.74	.74	0	%100
114	M124	Z	.427	.427	0	%100
115	M125	X	.74	.74	0	%100
116	M125	Z	.427	.427	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	M4	X	.458	.458	0	%100
2	M4	Z	.794	.794	0	%100
3	M52A	X	1.834	1.834	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,%]
4	M52A	Z	3.176	3.176	0	%100
5	M76A	X	.458	.458	0	%100
6	M76A	Z	.794	.794	0	%100
7	M10	X	1.117	1.117	0	%100
8	M10	Z	1.935	1.935	0	%100
9	M43	X	1.117	1.117	0	%100
10	M43	Z	1.935	1.935	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	1.117	1.117	0	%100
16	M77A	Z	1.935	1.935	0	%100
17	M78	X	1.117	1.117	0	%100
18	M78	Z	1.935	1.935	0	%100
19	MP3A	X	1.623	1.623	0	%100
20	MP3A	Z	2.811	2.811	0	%100
21	MP4A	X	1.468	1.468	0	%100
22	MP4A	Z	2.542	2.542	0	%100
23	MP2A	X	1.468	1.468	0	%100
24	MP2A	Z	2.542	2.542	0	%100
25	MP1A	X	1.468	1.468	0	%100
26	MP1A	Z	2.542	2.542	0	%100
27	MP3C	X	1.623	1.623	0	%100
28	MP3C	Z	2.811	2.811	0	%100
29	MP4C	X	1.468	1.468	0	%100
30	MP4C	Z	2.542	2.542	0	%100
31	MP2C	X	1.468	1.468	0	%100
32	MP2C	Z	2.542	2.542	0	%100
33	MP1C	X	1.468	1.468	0	%100
34	MP1C	Z	2.542	2.542	0	%100
35	MP3B	X	1.623	1.623	0	%100
36	MP3B	Z	2.811	2.811	0	%100
37	MP4B	X	1.468	1.468	0	%100
38	MP4B	Z	2.542	2.542	0	%100
39	MP2B	X	1.468	1.468	0	%100
40	MP2B	Z	2.542	2.542	0	%100
41	MP1B	X	1.468	1.468	0	%100
42	MP1B	Z	2.542	2.542	0	%100
43	OVP1	X	1.202	1.202	0	%100
44	OVP1	Z	2.082	2.082	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	1.285	1.285	0	%100
48	M52B	Z	2.225	2.225	0	%100
49	M58A	X	1.285	1.285	0	%100
50	M58A	Z	2.225	2.225	0	%100
51	M59A	X	1.285	1.285	0	%100
52	M59A	Z	2.225	2.225	0	%100
53	M82	X	1.285	1.285	0	%100
54	M82	Z	2.225	2.225	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	1.363	1.363	0	%100
58	M1	Z	2.36	2.36	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	0	0	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,%]
61	M100	X	1.363	1.363	0	%100
62	M100	Z	2.36	2.36	0	%100
63	M76	X	.572	.572	0	%100
64	M76	Z	.991	.991	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	.572	.572	0	%100
68	M84	Z	.991	.991	0	%100
69	M85	X	1.742	1.742	0	%100
70	M85	Z	3.017	3.017	0	%100
71	M63	X	2.288	2.288	0	%100
72	M63	Z	3.963	3.963	0	%100
73	M64	X	1.742	1.742	0	%100
74	M64	Z	3.017	3.017	0	%100
75	M68	X	2.288	2.288	0	%100
76	M68	Z	3.963	3.963	0	%100
77	M69	X	1.742	1.742	0	%100
78	M69	Z	3.017	3.017	0	%100
79	M87	X	.572	.572	0	%100
80	M87	Z	.991	.991	0	%100
81	M88A	X	1.742	1.742	0	%100
82	M88A	Z	3.017	3.017	0	%100
83	M92A	X	.572	.572	0	%100
84	M92A	Z	.991	.991	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	1.744	1.744	0	%100
88	M46	Z	3.021	3.021	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	1.818	1.818	0	%100
92	M91	Z	3.148	3.148	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	1.818	1.818	0	%100
96	M66	Z	3.148	3.148	0	%100
97	M71	X	1.818	1.818	0	%100
98	M71	Z	3.148	3.148	0	%100
99	M79A	X	1.744	1.744	0	%100
100	M79A	Z	3.021	3.021	0	%100
101	M90	X	1.818	1.818	0	%100
102	M90	Z	3.148	3.148	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	1.217	1.217	0	%100
106	M106	Z	2.108	2.108	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	1.217	1.217	0	%100
110	M116	Z	2.108	2.108	0	%100
111	M123	X	1.281	1.281	0	%100
112	M123	Z	2.219	2.219	0	%100
113	M124	X	1.281	1.281	0	%100
114	M124	Z	2.219	2.219	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	2.751	2.751	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	2.751	2.751	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	2.979	2.979	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	2.979	2.979	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	.745	.745	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	.745	.745	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	.745	.745	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	.745	.745	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	3.245	3.245	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	2.935	2.935	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	2.935	2.935	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	2.935	2.935	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	3.245	3.245	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	2.935	2.935	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	2.935	2.935	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	2.935	2.935	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	3.245	3.245	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	2.935	2.935	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	2.935	2.935	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	2.935	2.935	0	%100
43	OVP1	X	0	0	0	%100
44	OVP1	Z	2.404	2.404	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	.857	.857	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	.857	.857	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	.857	.857	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	3.426	3.426	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	3.426	3.426	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	.857	.857	0	%100
57	M1	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M1	Z	3.633	3.633	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	.908	.908	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	.908	.908	0	%100
63	M76	X	0	0	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	1.161	1.161	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	1.161	1.161	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	3.432	3.432	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	1.161	1.161	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	3.432	3.432	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	4.645	4.645	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	3.432	3.432	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	4.645	4.645	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	3.432	3.432	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	1.161	1.161	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	4.65	4.65	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	1.212	1.212	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	1.212	1.212	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	1.163	1.163	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	1.212	1.212	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	4.847	4.847	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	1.163	1.163	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	4.847	4.847	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	1.212	1.212	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	3.245	3.245	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	.811	.811	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	.811	.811	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.854	.854	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	3.416	3.416	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,%]
115	M125	X	0	0	0	%100
116	M125	Z	.854	.854	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	M4	X	-.458	-.458	0	%100
2	M4	Z	.794	.794	0	%100
3	M52A	X	-.458	-.458	0	%100
4	M52A	Z	.794	.794	0	%100
5	M76A	X	-1.834	-1.834	0	%100
6	M76A	Z	3.176	3.176	0	%100
7	M10	X	-1.117	-1.117	0	%100
8	M10	Z	1.935	1.935	0	%100
9	M43	X	-1.117	-1.117	0	%100
10	M43	Z	1.935	1.935	0	%100
11	M53	X	-1.117	-1.117	0	%100
12	M53	Z	1.935	1.935	0	%100
13	M54	X	-1.117	-1.117	0	%100
14	M54	Z	1.935	1.935	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	-1.623	-1.623	0	%100
20	MP3A	Z	2.811	2.811	0	%100
21	MP4A	X	-1.468	-1.468	0	%100
22	MP4A	Z	2.542	2.542	0	%100
23	MP2A	X	-1.468	-1.468	0	%100
24	MP2A	Z	2.542	2.542	0	%100
25	MP1A	X	-1.468	-1.468	0	%100
26	MP1A	Z	2.542	2.542	0	%100
27	MP3C	X	-1.623	-1.623	0	%100
28	MP3C	Z	2.811	2.811	0	%100
29	MP4C	X	-1.468	-1.468	0	%100
30	MP4C	Z	2.542	2.542	0	%100
31	MP2C	X	-1.468	-1.468	0	%100
32	MP2C	Z	2.542	2.542	0	%100
33	MP1C	X	-1.468	-1.468	0	%100
34	MP1C	Z	2.542	2.542	0	%100
35	MP3B	X	-1.623	-1.623	0	%100
36	MP3B	Z	2.811	2.811	0	%100
37	MP4B	X	-1.468	-1.468	0	%100
38	MP4B	Z	2.542	2.542	0	%100
39	MP2B	X	-1.468	-1.468	0	%100
40	MP2B	Z	2.542	2.542	0	%100
41	MP1B	X	-1.468	-1.468	0	%100
42	MP1B	Z	2.542	2.542	0	%100
43	OVP1	X	-1.202	-1.202	0	%100
44	OVP1	Z	2.082	2.082	0	%100
45	M51B	X	-1.285	-1.285	0	%100
46	M51B	Z	2.225	2.225	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	-1.285	-1.285	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,%]
52	M59A	Z	2.225	2.225	0	%100
53	M82	X	-1.285	-1.285	0	%100
54	M82	Z	2.225	2.225	0	%100
55	M83A	X	-1.285	-1.285	0	%100
56	M83A	Z	2.225	2.225	0	%100
57	M1	X	-1.363	-1.363	0	%100
58	M1	Z	2.36	2.36	0	%100
59	M82A	X	-1.363	-1.363	0	%100
60	M82A	Z	2.36	2.36	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	-.572	-.572	0	%100
64	M76	Z	.991	.991	0	%100
65	M77	X	-1.742	-1.742	0	%100
66	M77	Z	3.017	3.017	0	%100
67	M84	X	-.572	-.572	0	%100
68	M84	Z	.991	.991	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	-.572	-.572	0	%100
72	M63	Z	.991	.991	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	-.572	-.572	0	%100
76	M68	Z	.991	.991	0	%100
77	M69	X	-1.742	-1.742	0	%100
78	M69	Z	3.017	3.017	0	%100
79	M87	X	-2.288	-2.288	0	%100
80	M87	Z	3.963	3.963	0	%100
81	M88A	X	-1.742	-1.742	0	%100
82	M88A	Z	3.017	3.017	0	%100
83	M92A	X	-2.288	-2.288	0	%100
84	M92A	Z	3.963	3.963	0	%100
85	M93	X	-1.742	-1.742	0	%100
86	M93	Z	3.017	3.017	0	%100
87	M46	X	-1.744	-1.744	0	%100
88	M46	Z	3.021	3.021	0	%100
89	M80	X	-1.818	-1.818	0	%100
90	M80	Z	3.148	3.148	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	-1.744	-1.744	0	%100
94	M55	Z	3.021	3.021	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	-1.818	-1.818	0	%100
98	M71	Z	3.148	3.148	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	-1.818	-1.818	0	%100
102	M90	Z	3.148	3.148	0	%100
103	M95	X	-1.818	-1.818	0	%100
104	M95	Z	3.148	3.148	0	%100
105	M106	X	-1.217	-1.217	0	%100
106	M106	Z	2.108	2.108	0	%100
107	M111	X	-1.217	-1.217	0	%100
108	M111	Z	2.108	2.108	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,%]
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.281	-1.281	0	%100
114	M124	Z	2.219	2.219	0	%100
115	M125	X	-1.281	-1.281	0	%100
116	M125	Z	2.219	2.219	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	M4	X	-2.382	-2.382	0	%100
2	M4	Z	1.375	1.375	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-2.382	-2.382	0	%100
6	M76A	Z	1.375	1.375	0	%100
7	M10	X	-.645	-.645	0	%100
8	M10	Z	.372	.372	0	%100
9	M43	X	-.645	-.645	0	%100
10	M43	Z	.372	.372	0	%100
11	M53	X	-2.58	-2.58	0	%100
12	M53	Z	1.49	1.49	0	%100
13	M54	X	-2.58	-2.58	0	%100
14	M54	Z	1.49	1.49	0	%100
15	M77A	X	-.645	-.645	0	%100
16	M77A	Z	.372	.372	0	%100
17	M78	X	-.645	-.645	0	%100
18	M78	Z	.372	.372	0	%100
19	MP3A	X	-2.811	-2.811	0	%100
20	MP3A	Z	1.623	1.623	0	%100
21	MP4A	X	-2.542	-2.542	0	%100
22	MP4A	Z	1.468	1.468	0	%100
23	MP2A	X	-2.542	-2.542	0	%100
24	MP2A	Z	1.468	1.468	0	%100
25	MP1A	X	-2.542	-2.542	0	%100
26	MP1A	Z	1.468	1.468	0	%100
27	MP3C	X	-2.811	-2.811	0	%100
28	MP3C	Z	1.623	1.623	0	%100
29	MP4C	X	-2.542	-2.542	0	%100
30	MP4C	Z	1.468	1.468	0	%100
31	MP2C	X	-2.542	-2.542	0	%100
32	MP2C	Z	1.468	1.468	0	%100
33	MP1C	X	-2.542	-2.542	0	%100
34	MP1C	Z	1.468	1.468	0	%100
35	MP3B	X	-2.811	-2.811	0	%100
36	MP3B	Z	1.623	1.623	0	%100
37	MP4B	X	-2.542	-2.542	0	%100
38	MP4B	Z	1.468	1.468	0	%100
39	MP2B	X	-2.542	-2.542	0	%100
40	MP2B	Z	1.468	1.468	0	%100
41	MP1B	X	-2.542	-2.542	0	%100
42	MP1B	Z	1.468	1.468	0	%100
43	OVP1	X	-2.082	-2.082	0	%100
44	OVP1	Z	1.202	1.202	0	%100
45	M51B	X	-2.967	-2.967	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,%]
46	M51B	Z	1.713	1.713	0	%100
47	M52B	X	-.742	-.742	0	%100
48	M52B	Z	.428	.428	0	%100
49	M58A	X	-.742	-.742	0	%100
50	M58A	Z	.428	.428	0	%100
51	M59A	X	-.742	-.742	0	%100
52	M59A	Z	.428	.428	0	%100
53	M82	X	-.742	-.742	0	%100
54	M82	Z	.428	.428	0	%100
55	M83A	X	-2.967	-2.967	0	%100
56	M83A	Z	1.713	1.713	0	%100
57	M1	X	-.787	-.787	0	%100
58	M1	Z	.454	.454	0	%100
59	M82A	X	-3.147	-3.147	0	%100
60	M82A	Z	1.817	1.817	0	%100
61	M100	X	-.787	-.787	0	%100
62	M100	Z	.454	.454	0	%100
63	M76	X	-2.972	-2.972	0	%100
64	M76	Z	1.716	1.716	0	%100
65	M77	X	-4.023	-4.023	0	%100
66	M77	Z	2.322	2.322	0	%100
67	M84	X	-2.972	-2.972	0	%100
68	M84	Z	1.716	1.716	0	%100
69	M85	X	-1.006	-1.006	0	%100
70	M85	Z	.581	.581	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	-1.006	-1.006	0	%100
74	M64	Z	.581	.581	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-1.006	-1.006	0	%100
78	M69	Z	.581	.581	0	%100
79	M87	X	-2.972	-2.972	0	%100
80	M87	Z	1.716	1.716	0	%100
81	M88A	X	-1.006	-1.006	0	%100
82	M88A	Z	.581	.581	0	%100
83	M92A	X	-2.972	-2.972	0	%100
84	M92A	Z	1.716	1.716	0	%100
85	M93	X	-4.023	-4.023	0	%100
86	M93	Z	2.322	2.322	0	%100
87	M46	X	-1.007	-1.007	0	%100
88	M46	Z	.581	.581	0	%100
89	M80	X	-4.198	-4.198	0	%100
90	M80	Z	2.423	2.423	0	%100
91	M91	X	-1.049	-1.049	0	%100
92	M91	Z	.606	.606	0	%100
93	M55	X	-4.027	-4.027	0	%100
94	M55	Z	2.325	2.325	0	%100
95	M66	X	-1.049	-1.049	0	%100
96	M66	Z	.606	.606	0	%100
97	M71	X	-1.049	-1.049	0	%100
98	M71	Z	.606	.606	0	%100
99	M79A	X	-1.007	-1.007	0	%100
100	M79A	Z	.581	.581	0	%100
101	M90	X	-1.049	-1.049	0	%100
102	M90	Z	.606	.606	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,%]
103	M95	X	-4.198	-4.198	0	%100
104	M95	Z	2.423	2.423	0	%100
105	M106	X	-.703	-.703	0	%100
106	M106	Z	.406	.406	0	%100
107	M111	X	-2.811	-2.811	0	%100
108	M111	Z	1.623	1.623	0	%100
109	M116	X	-.703	-.703	0	%100
110	M116	Z	.406	.406	0	%100
111	M123	X	-.74	-.74	0	%100
112	M123	Z	.427	.427	0	%100
113	M124	X	-.74	-.74	0	%100
114	M124	Z	.427	.427	0	%100
115	M125	X	-2.958	-2.958	0	%100
116	M125	Z	1.708	1.708	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	M4	X	-3.667	-3.667	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	-.917	-.917	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-.917	-.917	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	-2.234	-2.234	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	-2.234	-2.234	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-2.234	-2.234	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	-2.234	-2.234	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	-3.245	-3.245	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-2.935	-2.935	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-2.935	-2.935	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-2.935	-2.935	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-3.245	-3.245	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-2.935	-2.935	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-2.935	-2.935	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-2.935	-2.935	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-3.245	-3.245	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-2.935	-2.935	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-2.935	-2.935	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,%]
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-2.935	-2.935	0	%100
42	MP1B	Z	0	0	0	%100
43	OVP1	X	-2.404	-2.404	0	%100
44	OVP1	Z	0	0	0	%100
45	M51B	X	-2.57	-2.57	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	-2.57	-2.57	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	-2.57	-2.57	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	-2.57	-2.57	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	0	0	0	%100
59	M82A	X	-2.725	-2.725	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	-2.725	-2.725	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	-4.576	-4.576	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	-3.484	-3.484	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	-4.576	-4.576	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	-3.484	-3.484	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	-1.144	-1.144	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	-3.484	-3.484	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	-1.144	-1.144	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	M87	X	-1.144	-1.144	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	0	0	0	%100
83	M92A	X	-1.144	-1.144	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	-3.484	-3.484	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	0	0	0	%100
89	M80	X	-3.635	-3.635	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	-3.635	-3.635	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	-3.488	-3.488	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	-3.635	-3.635	0	%100
96	M66	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,%]
97	M71	X	0	0	0	%100
98	M71	Z	0	0	0	%100
99	M79A	X	-3.488	-3.488	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	0	0	0	%100
103	M95	X	-3.635	-3.635	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M111	X	-2.434	-2.434	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	-2.434	-2.434	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	-2.562	-2.562	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-2.562	-2.562	0	%100
116	M125	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	M4	X	-2.382	-2.382	0	%100
2	M4	Z	-1.375	-1.375	0	%100
3	M52A	X	-2.382	-2.382	0	%100
4	M52A	Z	-1.375	-1.375	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	-.645	-.645	0	%100
8	M10	Z	-.372	-.372	0	%100
9	M43	X	-.645	-.645	0	%100
10	M43	Z	-.372	-.372	0	%100
11	M53	X	-.645	-.645	0	%100
12	M53	Z	-.372	-.372	0	%100
13	M54	X	-.645	-.645	0	%100
14	M54	Z	-.372	-.372	0	%100
15	M77A	X	-2.58	-2.58	0	%100
16	M77A	Z	-1.49	-1.49	0	%100
17	M78	X	-2.58	-2.58	0	%100
18	M78	Z	-1.49	-1.49	0	%100
19	MP3A	X	-2.811	-2.811	0	%100
20	MP3A	Z	-1.623	-1.623	0	%100
21	MP4A	X	-2.542	-2.542	0	%100
22	MP4A	Z	-1.468	-1.468	0	%100
23	MP2A	X	-2.542	-2.542	0	%100
24	MP2A	Z	-1.468	-1.468	0	%100
25	MP1A	X	-2.542	-2.542	0	%100
26	MP1A	Z	-1.468	-1.468	0	%100
27	MP3C	X	-2.811	-2.811	0	%100
28	MP3C	Z	-1.623	-1.623	0	%100
29	MP4C	X	-2.542	-2.542	0	%100
30	MP4C	Z	-1.468	-1.468	0	%100
31	MP2C	X	-2.542	-2.542	0	%100
32	MP2C	Z	-1.468	-1.468	0	%100
33	MP1C	X	-2.542	-2.542	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,%]
34	MP1C	Z	-1.468	-1.468	0	%100
35	MP3B	X	-2.811	-2.811	0	%100
36	MP3B	Z	-1.623	-1.623	0	%100
37	MP4B	X	-2.542	-2.542	0	%100
38	MP4B	Z	-1.468	-1.468	0	%100
39	MP2B	X	-2.542	-2.542	0	%100
40	MP2B	Z	-1.468	-1.468	0	%100
41	MP1B	X	-2.542	-2.542	0	%100
42	MP1B	Z	-1.468	-1.468	0	%100
43	OVP1	X	-2.082	-2.082	0	%100
44	OVP1	Z	-1.202	-1.202	0	%100
45	M51B	X	-.742	-.742	0	%100
46	M51B	Z	-.428	-.428	0	%100
47	M52B	X	-2.967	-2.967	0	%100
48	M52B	Z	-1.713	-1.713	0	%100
49	M58A	X	-2.967	-2.967	0	%100
50	M58A	Z	-1.713	-1.713	0	%100
51	M59A	X	-.742	-.742	0	%100
52	M59A	Z	-.428	-.428	0	%100
53	M82	X	-.742	-.742	0	%100
54	M82	Z	-.428	-.428	0	%100
55	M83A	X	-.742	-.742	0	%100
56	M83A	Z	-.428	-.428	0	%100
57	M1	X	-.787	-.787	0	%100
58	M1	Z	-.454	-.454	0	%100
59	M82A	X	-.787	-.787	0	%100
60	M82A	Z	-.454	-.454	0	%100
61	M100	X	-3.147	-3.147	0	%100
62	M100	Z	-1.817	-1.817	0	%100
63	M76	X	-2.972	-2.972	0	%100
64	M76	Z	-1.716	-1.716	0	%100
65	M77	X	-1.006	-1.006	0	%100
66	M77	Z	-.581	-.581	0	%100
67	M84	X	-2.972	-2.972	0	%100
68	M84	Z	-1.716	-1.716	0	%100
69	M85	X	-4.023	-4.023	0	%100
70	M85	Z	-2.322	-2.322	0	%100
71	M63	X	-2.972	-2.972	0	%100
72	M63	Z	-1.716	-1.716	0	%100
73	M64	X	-4.023	-4.023	0	%100
74	M64	Z	-2.322	-2.322	0	%100
75	M68	X	-2.972	-2.972	0	%100
76	M68	Z	-1.716	-1.716	0	%100
77	M69	X	-1.006	-1.006	0	%100
78	M69	Z	-.581	-.581	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	-1.006	-1.006	0	%100
82	M88A	Z	-.581	-.581	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	-1.006	-1.006	0	%100
86	M93	Z	-.581	-.581	0	%100
87	M46	X	-1.007	-1.007	0	%100
88	M46	Z	-.581	-.581	0	%100
89	M80	X	-1.049	-1.049	0	%100
90	M80	Z	-.606	-.606	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,%]
91	M91	X	-4.198	-4.198	0	%100
92	M91	Z	-2.423	-2.423	0	%100
93	M55	X	-1.007	-1.007	0	%100
94	M55	Z	-.581	-.581	0	%100
95	M66	X	-4.198	-4.198	0	%100
96	M66	Z	-2.423	-2.423	0	%100
97	M71	X	-1.049	-1.049	0	%100
98	M71	Z	-.606	-.606	0	%100
99	M79A	X	-4.027	-4.027	0	%100
100	M79A	Z	-2.325	-2.325	0	%100
101	M90	X	-1.049	-1.049	0	%100
102	M90	Z	-.606	-.606	0	%100
103	M95	X	-1.049	-1.049	0	%100
104	M95	Z	-.606	-.606	0	%100
105	M106	X	-.703	-.703	0	%100
106	M106	Z	-.406	-.406	0	%100
107	M111	X	-.703	-.703	0	%100
108	M111	Z	-.406	-.406	0	%100
109	M116	X	-2.811	-2.811	0	%100
110	M116	Z	-1.623	-1.623	0	%100
111	M123	X	-2.958	-2.958	0	%100
112	M123	Z	-1.708	-1.708	0	%100
113	M124	X	-.74	-.74	0	%100
114	M124	Z	-.427	-.427	0	%100
115	M125	X	-.74	-.74	0	%100
116	M125	Z	-.427	-.427	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	M4	X	-.458	-.458	0	%100
2	M4	Z	-.794	-.794	0	%100
3	M52A	X	-1.834	-1.834	0	%100
4	M52A	Z	-3.176	-3.176	0	%100
5	M76A	X	-.458	-.458	0	%100
6	M76A	Z	-.794	-.794	0	%100
7	M10	X	-1.117	-1.117	0	%100
8	M10	Z	-1.935	-1.935	0	%100
9	M43	X	-1.117	-1.117	0	%100
10	M43	Z	-1.935	-1.935	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-1.117	-1.117	0	%100
16	M77A	Z	-1.935	-1.935	0	%100
17	M78	X	-1.117	-1.117	0	%100
18	M78	Z	-1.935	-1.935	0	%100
19	MP3A	X	-1.623	-1.623	0	%100
20	MP3A	Z	-2.811	-2.811	0	%100
21	MP4A	X	-1.468	-1.468	0	%100
22	MP4A	Z	-2.542	-2.542	0	%100
23	MP2A	X	-1.468	-1.468	0	%100
24	MP2A	Z	-2.542	-2.542	0	%100
25	MP1A	X	-1.468	-1.468	0	%100
26	MP1A	Z	-2.542	-2.542	0	%100
27	MP3C	X	-1.623	-1.623	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,%]
28	MP3C	Z	-2.811	-2.811	0	%100
29	MP4C	X	-1.468	-1.468	0	%100
30	MP4C	Z	-2.542	-2.542	0	%100
31	MP2C	X	-1.468	-1.468	0	%100
32	MP2C	Z	-2.542	-2.542	0	%100
33	MP1C	X	-1.468	-1.468	0	%100
34	MP1C	Z	-2.542	-2.542	0	%100
35	MP3B	X	-1.623	-1.623	0	%100
36	MP3B	Z	-2.811	-2.811	0	%100
37	MP4B	X	-1.468	-1.468	0	%100
38	MP4B	Z	-2.542	-2.542	0	%100
39	MP2B	X	-1.468	-1.468	0	%100
40	MP2B	Z	-2.542	-2.542	0	%100
41	MP1B	X	-1.468	-1.468	0	%100
42	MP1B	Z	-2.542	-2.542	0	%100
43	OVP1	X	-1.202	-1.202	0	%100
44	OVP1	Z	-2.082	-2.082	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	-1.285	-1.285	0	%100
48	M52B	Z	-2.225	-2.225	0	%100
49	M58A	X	-1.285	-1.285	0	%100
50	M58A	Z	-2.225	-2.225	0	%100
51	M59A	X	-1.285	-1.285	0	%100
52	M59A	Z	-2.225	-2.225	0	%100
53	M82	X	-1.285	-1.285	0	%100
54	M82	Z	-2.225	-2.225	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	-1.363	-1.363	0	%100
58	M1	Z	-2.36	-2.36	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	-1.363	-1.363	0	%100
62	M100	Z	-2.36	-2.36	0	%100
63	M76	X	-.572	-.572	0	%100
64	M76	Z	-.991	-.991	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	-.572	-.572	0	%100
68	M84	Z	-.991	-.991	0	%100
69	M85	X	-1.742	-1.742	0	%100
70	M85	Z	-3.017	-3.017	0	%100
71	M63	X	-2.288	-2.288	0	%100
72	M63	Z	-3.963	-3.963	0	%100
73	M64	X	-1.742	-1.742	0	%100
74	M64	Z	-3.017	-3.017	0	%100
75	M68	X	-2.288	-2.288	0	%100
76	M68	Z	-3.963	-3.963	0	%100
77	M69	X	-1.742	-1.742	0	%100
78	M69	Z	-3.017	-3.017	0	%100
79	M87	X	-.572	-.572	0	%100
80	M87	Z	-.991	-.991	0	%100
81	M88A	X	-1.742	-1.742	0	%100
82	M88A	Z	-3.017	-3.017	0	%100
83	M92A	X	-.572	-.572	0	%100
84	M92A	Z	-.991	-.991	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,%]
85	M93	X	0	0	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	-1.744	-1.744	0	%100
88	M46	Z	-3.021	-3.021	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	-1.818	-1.818	0	%100
92	M91	Z	-3.148	-3.148	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	-1.818	-1.818	0	%100
96	M66	Z	-3.148	-3.148	0	%100
97	M71	X	-1.818	-1.818	0	%100
98	M71	Z	-3.148	-3.148	0	%100
99	M79A	X	-1.744	-1.744	0	%100
100	M79A	Z	-3.021	-3.021	0	%100
101	M90	X	-1.818	-1.818	0	%100
102	M90	Z	-3.148	-3.148	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	-1.217	-1.217	0	%100
106	M106	Z	-2.108	-2.108	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	-1.217	-1.217	0	%100
110	M116	Z	-2.108	-2.108	0	%100
111	M123	X	-1.281	-1.281	0	%100
112	M123	Z	-2.219	-2.219	0	%100
113	M124	X	-1.281	-1.281	0	%100
114	M124	Z	-2.219	-2.219	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	-.596	-.596	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	-.596	-.596	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-.672	-.672	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-.672	-.672	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	-.168	-.168	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	-.168	-.168	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	-.168	-.168	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-.168	-.168	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-.642	-.642	0	%100
21	MP4A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	MP4A	Z	-.531	-.531	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-.531	-.531	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-.531	-.531	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-.642	-.642	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-.531	-.531	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.531	-.531	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-.531	-.531	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-.642	-.642	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-.531	-.531	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.531	-.531	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-.531	-.531	0	%100
43	OVP1	X	0	0	0	%100
44	OVP1	Z	-.434	-.434	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	-.186	-.186	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	-.186	-.186	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-.186	-.186	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	-.744	-.744	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	-.744	-.744	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	-.186	-.186	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	-.782	-.782	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	-.195	-.195	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	-.195	-.195	0	%100
63	M76	X	0	0	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	-.341	-.341	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	-.341	-.341	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	-1.005	-1.005	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	-.341	-.341	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	-1.005	-1.005	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	-1.365	-1.365	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,%]
79	M87	X	0	0	0	%100
80	M87	Z	-1.005	-1.005	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	-1.365	-1.365	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	-1.005	-1.005	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	-.341	-.341	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	-1.34	-1.34	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	-.359	-.359	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	-.359	-.359	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	-.335	-.335	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-.359	-.359	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	-1.438	-1.438	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	-.335	-.335	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	-1.438	-1.438	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-.359	-.359	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-.642	-.642	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	-.161	-.161	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	-.161	-.161	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.207	-.207	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.829	-.829	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.207	-.207	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	M4	X	.099	.099	0	%100
2	M4	Z	-.172	-.172	0	%100
3	M52A	X	.099	.099	0	%100
4	M52A	Z	-.172	-.172	0	%100
5	M76A	X	.397	.397	0	%100
6	M76A	Z	-.688	-.688	0	%100
7	M10	X	.252	.252	0	%100
8	M10	Z	-.436	-.436	0	%100
9	M43	X	.252	.252	0	%100
10	M43	Z	-.436	-.436	0	%100
11	M53	X	.252	.252	0	%100
12	M53	Z	-.436	-.436	0	%100
13	M54	X	.252	.252	0	%100
14	M54	Z	-.436	-.436	0	%100
15	M77A	X	0	0	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,%]
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	.321	.321	0	%100
20	MP3A	Z	-.556	-.556	0	%100
21	MP4A	X	.265	.265	0	%100
22	MP4A	Z	-.46	-.46	0	%100
23	MP2A	X	.265	.265	0	%100
24	MP2A	Z	-.46	-.46	0	%100
25	MP1A	X	.265	.265	0	%100
26	MP1A	Z	-.46	-.46	0	%100
27	MP3C	X	.321	.321	0	%100
28	MP3C	Z	-.556	-.556	0	%100
29	MP4C	X	.265	.265	0	%100
30	MP4C	Z	-.46	-.46	0	%100
31	MP2C	X	.265	.265	0	%100
32	MP2C	Z	-.46	-.46	0	%100
33	MP1C	X	.265	.265	0	%100
34	MP1C	Z	-.46	-.46	0	%100
35	MP3B	X	.321	.321	0	%100
36	MP3B	Z	-.556	-.556	0	%100
37	MP4B	X	.265	.265	0	%100
38	MP4B	Z	-.46	-.46	0	%100
39	MP2B	X	.265	.265	0	%100
40	MP2B	Z	-.46	-.46	0	%100
41	MP1B	X	.265	.265	0	%100
42	MP1B	Z	-.46	-.46	0	%100
43	OVP1	X	.217	.217	0	%100
44	OVP1	Z	-.376	-.376	0	%100
45	M51B	X	.279	.279	0	%100
46	M51B	Z	-.483	-.483	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	.279	.279	0	%100
52	M59A	Z	-.483	-.483	0	%100
53	M82	X	.279	.279	0	%100
54	M82	Z	-.483	-.483	0	%100
55	M83A	X	.279	.279	0	%100
56	M83A	Z	-.483	-.483	0	%100
57	M1	X	.293	.293	0	%100
58	M1	Z	-.508	-.508	0	%100
59	M82A	X	.293	.293	0	%100
60	M82A	Z	-.508	-.508	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	.168	.168	0	%100
64	M76	Z	-.29	-.29	0	%100
65	M77	X	.512	.512	0	%100
66	M77	Z	-.887	-.887	0	%100
67	M84	X	.168	.168	0	%100
68	M84	Z	-.29	-.29	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	.168	.168	0	%100
72	M63	Z	-.29	-.29	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,%]
73	M64	X	0	0	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	.168	.168	0	%100
76	M68	Z	-.29	-.29	0	%100
77	M69	X	.512	.512	0	%100
78	M69	Z	-.887	-.887	0	%100
79	M87	X	.67	.67	0	%100
80	M87	Z	-1.161	-1.161	0	%100
81	M88A	X	.512	.512	0	%100
82	M88A	Z	-.887	-.887	0	%100
83	M92A	X	.67	.67	0	%100
84	M92A	Z	-1.161	-1.161	0	%100
85	M93	X	.512	.512	0	%100
86	M93	Z	-.887	-.887	0	%100
87	M46	X	.503	.503	0	%100
88	M46	Z	-.871	-.871	0	%100
89	M80	X	.539	.539	0	%100
90	M80	Z	-.934	-.934	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	.503	.503	0	%100
94	M55	Z	-.871	-.871	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	.539	.539	0	%100
98	M71	Z	-.934	-.934	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	.539	.539	0	%100
102	M90	Z	-.934	-.934	0	%100
103	M95	X	.539	.539	0	%100
104	M95	Z	-.934	-.934	0	%100
105	M106	X	.241	.241	0	%100
106	M106	Z	-.417	-.417	0	%100
107	M111	X	.241	.241	0	%100
108	M111	Z	-.417	-.417	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.311	.311	0	%100
114	M124	Z	-.538	-.538	0	%100
115	M125	X	.311	.311	0	%100
116	M125	Z	-.538	-.538	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	M4	X	.516	.516	0	%100
2	M4	Z	-.298	-.298	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	.516	.516	0	%100
6	M76A	Z	-.298	-.298	0	%100
7	M10	X	.145	.145	0	%100
8	M10	Z	-.084	-.084	0	%100
9	M43	X	.145	.145	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,%]
10	M43	Z	-.084	-.084	0	%100
11	M53	X	.582	.582	0	%100
12	M53	Z	-.336	-.336	0	%100
13	M54	X	.582	.582	0	%100
14	M54	Z	-.336	-.336	0	%100
15	M77A	X	.145	.145	0	%100
16	M77A	Z	-.084	-.084	0	%100
17	M78	X	.145	.145	0	%100
18	M78	Z	-.084	-.084	0	%100
19	MP3A	X	.556	.556	0	%100
20	MP3A	Z	-.321	-.321	0	%100
21	MP4A	X	.46	.46	0	%100
22	MP4A	Z	-.265	-.265	0	%100
23	MP2A	X	.46	.46	0	%100
24	MP2A	Z	-.265	-.265	0	%100
25	MP1A	X	.46	.46	0	%100
26	MP1A	Z	-.265	-.265	0	%100
27	MP3C	X	.556	.556	0	%100
28	MP3C	Z	-.321	-.321	0	%100
29	MP4C	X	.46	.46	0	%100
30	MP4C	Z	-.265	-.265	0	%100
31	MP2C	X	.46	.46	0	%100
32	MP2C	Z	-.265	-.265	0	%100
33	MP1C	X	.46	.46	0	%100
34	MP1C	Z	-.265	-.265	0	%100
35	MP3B	X	.556	.556	0	%100
36	MP3B	Z	-.321	-.321	0	%100
37	MP4B	X	.46	.46	0	%100
38	MP4B	Z	-.265	-.265	0	%100
39	MP2B	X	.46	.46	0	%100
40	MP2B	Z	-.265	-.265	0	%100
41	MP1B	X	.46	.46	0	%100
42	MP1B	Z	-.265	-.265	0	%100
43	OVP1	X	.376	.376	0	%100
44	OVP1	Z	-.217	-.217	0	%100
45	M51B	X	.645	.645	0	%100
46	M51B	Z	-.372	-.372	0	%100
47	M52B	X	.161	.161	0	%100
48	M52B	Z	-.093	-.093	0	%100
49	M58A	X	.161	.161	0	%100
50	M58A	Z	-.093	-.093	0	%100
51	M59A	X	.161	.161	0	%100
52	M59A	Z	-.093	-.093	0	%100
53	M82	X	.161	.161	0	%100
54	M82	Z	-.093	-.093	0	%100
55	M83A	X	.645	.645	0	%100
56	M83A	Z	-.372	-.372	0	%100
57	M1	X	.169	.169	0	%100
58	M1	Z	-.098	-.098	0	%100
59	M82A	X	.677	.677	0	%100
60	M82A	Z	-.391	-.391	0	%100
61	M100	X	.169	.169	0	%100
62	M100	Z	-.098	-.098	0	%100
63	M76	X	.871	.871	0	%100
64	M76	Z	-.503	-.503	0	%100
65	M77	X	1.182	1.182	0	%100
66	M77	Z	-.683	-.683	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,%]
67	M84	X	.871	.871	0	%100
68	M84	Z	-.503	-.503	0	%100
69	M85	X	.296	.296	0	%100
70	M85	Z	-.171	-.171	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	.296	.296	0	%100
74	M64	Z	-.171	-.171	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	.296	.296	0	%100
78	M69	Z	-.171	-.171	0	%100
79	M87	X	.871	.871	0	%100
80	M87	Z	-.503	-.503	0	%100
81	M88A	X	.296	.296	0	%100
82	M88A	Z	-.171	-.171	0	%100
83	M92A	X	.871	.871	0	%100
84	M92A	Z	-.503	-.503	0	%100
85	M93	X	1.182	1.182	0	%100
86	M93	Z	-.683	-.683	0	%100
87	M46	X	.29	.29	0	%100
88	M46	Z	-.168	-.168	0	%100
89	M80	X	1.245	1.245	0	%100
90	M80	Z	-.719	-.719	0	%100
91	M91	X	.311	.311	0	%100
92	M91	Z	-.18	-.18	0	%100
93	M55	X	1.161	1.161	0	%100
94	M55	Z	-.67	-.67	0	%100
95	M66	X	.311	.311	0	%100
96	M66	Z	-.18	-.18	0	%100
97	M71	X	.311	.311	0	%100
98	M71	Z	-.18	-.18	0	%100
99	M79A	X	.29	.29	0	%100
100	M79A	Z	-.168	-.168	0	%100
101	M90	X	.311	.311	0	%100
102	M90	Z	-.18	-.18	0	%100
103	M95	X	1.245	1.245	0	%100
104	M95	Z	-.719	-.719	0	%100
105	M106	X	.139	.139	0	%100
106	M106	Z	-.08	-.08	0	%100
107	M111	X	.556	.556	0	%100
108	M111	Z	-.321	-.321	0	%100
109	M116	X	.139	.139	0	%100
110	M116	Z	-.08	-.08	0	%100
111	M123	X	.179	.179	0	%100
112	M123	Z	-.104	-.104	0	%100
113	M124	X	.179	.179	0	%100
114	M124	Z	-.104	-.104	0	%100
115	M125	X	.718	.718	0	%100
116	M125	Z	-.414	-.414	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	M4	X	.794	.794	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	.199	.199	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,%]
4	M52A	Z	0	0	0	%100
5	M76A	X	.199	.199	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	.504	.504	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	.504	.504	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	.504	.504	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	.504	.504	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	.642	.642	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	.531	.531	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	.531	.531	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	.531	.531	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	.642	.642	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	.531	.531	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	.531	.531	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	.531	.531	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	.642	.642	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	.531	.531	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	.531	.531	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	.531	.531	0	%100
42	MP1B	Z	0	0	0	%100
43	OVP1	X	.434	.434	0	%100
44	OVP1	Z	0	0	0	%100
45	M51B	X	.558	.558	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	.558	.558	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	.558	.558	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	.558	.558	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	0	0	0	%100
59	M82A	X	.586	.586	0	%100
60	M82A	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,%]
61	M100	X	.586	.586	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	1.34	1.34	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	1.024	1.024	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	1.34	1.34	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	1.024	1.024	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	.335	.335	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	1.024	1.024	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	.335	.335	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	M87	X	.335	.335	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	0	0	0	%100
83	M92A	X	.335	.335	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	1.024	1.024	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	0	0	0	%100
89	M80	X	1.078	1.078	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	1.078	1.078	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	1.005	1.005	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	1.078	1.078	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	0	0	0	%100
99	M79A	X	1.005	1.005	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	0	0	0	%100
103	M95	X	1.078	1.078	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M111	X	.482	.482	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	.482	.482	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	.622	.622	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	.622	.622	0	%100
116	M125	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	M4	X	.516	.516	0	%100
2	M4	Z	.298	.298	0	%100
3	M52A	X	.516	.516	0	%100
4	M52A	Z	.298	.298	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	.145	.145	0	%100
8	M10	Z	.084	.084	0	%100
9	M43	X	.145	.145	0	%100
10	M43	Z	.084	.084	0	%100
11	M53	X	.145	.145	0	%100
12	M53	Z	.084	.084	0	%100
13	M54	X	.145	.145	0	%100
14	M54	Z	.084	.084	0	%100
15	M77A	X	.582	.582	0	%100
16	M77A	Z	.336	.336	0	%100
17	M78	X	.582	.582	0	%100
18	M78	Z	.336	.336	0	%100
19	MP3A	X	.556	.556	0	%100
20	MP3A	Z	.321	.321	0	%100
21	MP4A	X	.46	.46	0	%100
22	MP4A	Z	.265	.265	0	%100
23	MP2A	X	.46	.46	0	%100
24	MP2A	Z	.265	.265	0	%100
25	MP1A	X	.46	.46	0	%100
26	MP1A	Z	.265	.265	0	%100
27	MP3C	X	.556	.556	0	%100
28	MP3C	Z	.321	.321	0	%100
29	MP4C	X	.46	.46	0	%100
30	MP4C	Z	.265	.265	0	%100
31	MP2C	X	.46	.46	0	%100
32	MP2C	Z	.265	.265	0	%100
33	MP1C	X	.46	.46	0	%100
34	MP1C	Z	.265	.265	0	%100
35	MP3B	X	.556	.556	0	%100
36	MP3B	Z	.321	.321	0	%100
37	MP4B	X	.46	.46	0	%100
38	MP4B	Z	.265	.265	0	%100
39	MP2B	X	.46	.46	0	%100
40	MP2B	Z	.265	.265	0	%100
41	MP1B	X	.46	.46	0	%100
42	MP1B	Z	.265	.265	0	%100
43	OVP1	X	.376	.376	0	%100
44	OVP1	Z	.217	.217	0	%100
45	M51B	X	.161	.161	0	%100
46	M51B	Z	.093	.093	0	%100
47	M52B	X	.645	.645	0	%100
48	M52B	Z	.372	.372	0	%100
49	M58A	X	.645	.645	0	%100
50	M58A	Z	.372	.372	0	%100
51	M59A	X	.161	.161	0	%100
52	M59A	Z	.093	.093	0	%100
53	M82	X	.161	.161	0	%100
54	M82	Z	.093	.093	0	%100
55	M83A	X	.161	.161	0	%100
56	M83A	Z	.093	.093	0	%100
57	M1	X	.169	.169	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,%]
58	M1	Z	.098	.098	0	%100
59	M82A	X	.169	.169	0	%100
60	M82A	Z	.098	.098	0	%100
61	M100	X	.677	.677	0	%100
62	M100	Z	.391	.391	0	%100
63	M76	X	.871	.871	0	%100
64	M76	Z	.503	.503	0	%100
65	M77	X	.296	.296	0	%100
66	M77	Z	.171	.171	0	%100
67	M84	X	.871	.871	0	%100
68	M84	Z	.503	.503	0	%100
69	M85	X	1.182	1.182	0	%100
70	M85	Z	.683	.683	0	%100
71	M63	X	.871	.871	0	%100
72	M63	Z	.503	.503	0	%100
73	M64	X	1.182	1.182	0	%100
74	M64	Z	.683	.683	0	%100
75	M68	X	.871	.871	0	%100
76	M68	Z	.503	.503	0	%100
77	M69	X	.296	.296	0	%100
78	M69	Z	.171	.171	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	.296	.296	0	%100
82	M88A	Z	.171	.171	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	.296	.296	0	%100
86	M93	Z	.171	.171	0	%100
87	M46	X	.29	.29	0	%100
88	M46	Z	.168	.168	0	%100
89	M80	X	.311	.311	0	%100
90	M80	Z	.18	.18	0	%100
91	M91	X	1.245	1.245	0	%100
92	M91	Z	.719	.719	0	%100
93	M55	X	.29	.29	0	%100
94	M55	Z	.168	.168	0	%100
95	M66	X	1.245	1.245	0	%100
96	M66	Z	.719	.719	0	%100
97	M71	X	.311	.311	0	%100
98	M71	Z	.18	.18	0	%100
99	M79A	X	1.161	1.161	0	%100
100	M79A	Z	.67	.67	0	%100
101	M90	X	.311	.311	0	%100
102	M90	Z	.18	.18	0	%100
103	M95	X	.311	.311	0	%100
104	M95	Z	.18	.18	0	%100
105	M106	X	.139	.139	0	%100
106	M106	Z	.08	.08	0	%100
107	M111	X	.139	.139	0	%100
108	M111	Z	.08	.08	0	%100
109	M116	X	.556	.556	0	%100
110	M116	Z	.321	.321	0	%100
111	M123	X	.718	.718	0	%100
112	M123	Z	.414	.414	0	%100
113	M124	X	.179	.179	0	%100
114	M124	Z	.104	.104	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,%]
115	M125	X	.179	.179	0	%100
116	M125	Z	.104	.104	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	M4	X	.099	.099	0	%100
2	M4	Z	.172	.172	0	%100
3	M52A	X	.397	.397	0	%100
4	M52A	Z	.688	.688	0	%100
5	M76A	X	.099	.099	0	%100
6	M76A	Z	.172	.172	0	%100
7	M10	X	.252	.252	0	%100
8	M10	Z	.436	.436	0	%100
9	M43	X	.252	.252	0	%100
10	M43	Z	.436	.436	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	.252	.252	0	%100
16	M77A	Z	.436	.436	0	%100
17	M78	X	.252	.252	0	%100
18	M78	Z	.436	.436	0	%100
19	MP3A	X	.321	.321	0	%100
20	MP3A	Z	.556	.556	0	%100
21	MP4A	X	.265	.265	0	%100
22	MP4A	Z	.46	.46	0	%100
23	MP2A	X	.265	.265	0	%100
24	MP2A	Z	.46	.46	0	%100
25	MP1A	X	.265	.265	0	%100
26	MP1A	Z	.46	.46	0	%100
27	MP3C	X	.321	.321	0	%100
28	MP3C	Z	.556	.556	0	%100
29	MP4C	X	.265	.265	0	%100
30	MP4C	Z	.46	.46	0	%100
31	MP2C	X	.265	.265	0	%100
32	MP2C	Z	.46	.46	0	%100
33	MP1C	X	.265	.265	0	%100
34	MP1C	Z	.46	.46	0	%100
35	MP3B	X	.321	.321	0	%100
36	MP3B	Z	.556	.556	0	%100
37	MP4B	X	.265	.265	0	%100
38	MP4B	Z	.46	.46	0	%100
39	MP2B	X	.265	.265	0	%100
40	MP2B	Z	.46	.46	0	%100
41	MP1B	X	.265	.265	0	%100
42	MP1B	Z	.46	.46	0	%100
43	OVP1	X	.217	.217	0	%100
44	OVP1	Z	.376	.376	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	.279	.279	0	%100
48	M52B	Z	.483	.483	0	%100
49	M58A	X	.279	.279	0	%100
50	M58A	Z	.483	.483	0	%100
51	M59A	X	.279	.279	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,%]
52	M59A	Z	.483	.483	0	%100
53	M82	X	.279	.279	0	%100
54	M82	Z	.483	.483	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	.293	.293	0	%100
58	M1	Z	.508	.508	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	.293	.293	0	%100
62	M100	Z	.508	.508	0	%100
63	M76	X	.168	.168	0	%100
64	M76	Z	.29	.29	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	.168	.168	0	%100
68	M84	Z	.29	.29	0	%100
69	M85	X	.512	.512	0	%100
70	M85	Z	.887	.887	0	%100
71	M63	X	.67	.67	0	%100
72	M63	Z	1.161	1.161	0	%100
73	M64	X	.512	.512	0	%100
74	M64	Z	.887	.887	0	%100
75	M68	X	.67	.67	0	%100
76	M68	Z	1.161	1.161	0	%100
77	M69	X	.512	.512	0	%100
78	M69	Z	.887	.887	0	%100
79	M87	X	.168	.168	0	%100
80	M87	Z	.29	.29	0	%100
81	M88A	X	.512	.512	0	%100
82	M88A	Z	.887	.887	0	%100
83	M92A	X	.168	.168	0	%100
84	M92A	Z	.29	.29	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	.503	.503	0	%100
88	M46	Z	.871	.871	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	.539	.539	0	%100
92	M91	Z	.934	.934	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	.539	.539	0	%100
96	M66	Z	.934	.934	0	%100
97	M71	X	.539	.539	0	%100
98	M71	Z	.934	.934	0	%100
99	M79A	X	.503	.503	0	%100
100	M79A	Z	.871	.871	0	%100
101	M90	X	.539	.539	0	%100
102	M90	Z	.934	.934	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	.241	.241	0	%100
106	M106	Z	.417	.417	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	0	0	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,%]
109	M116	X	.241	.241	0	%100
110	M116	Z	.417	.417	0	%100
111	M123	X	.311	.311	0	%100
112	M123	Z	.538	.538	0	%100
113	M124	X	.311	.311	0	%100
114	M124	Z	.538	.538	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	.596	.596	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	.596	.596	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	.672	.672	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	.672	.672	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	.168	.168	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	.168	.168	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	.168	.168	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	.168	.168	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	.642	.642	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	.531	.531	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	.531	.531	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	.531	.531	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	.642	.642	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	.531	.531	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.531	.531	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	.531	.531	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	.642	.642	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	.531	.531	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.531	.531	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	.531	.531	0	%100
43	OVP1	X	0	0	0	%100
44	OVP1	Z	.434	.434	0	%100
45	M51B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M51B	Z	.186	.186	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	.186	.186	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	.186	.186	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	.744	.744	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	.744	.744	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	.186	.186	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	.782	.782	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	.195	.195	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	.195	.195	0	%100
63	M76	X	0	0	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	.341	.341	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	.341	.341	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	1.005	1.005	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	.341	.341	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	1.005	1.005	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	1.365	1.365	0	%100
79	M87	X	0	0	0	%100
80	M87	Z	1.005	1.005	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	1.365	1.365	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	1.005	1.005	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	.341	.341	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	1.34	1.34	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	.359	.359	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	.359	.359	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	.335	.335	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	.359	.359	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	1.438	1.438	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	.335	.335	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	1.438	1.438	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,%]
103	M95	X	0	0	0	%100
104	M95	Z	.359	.359	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	.642	.642	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	.161	.161	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	.161	.161	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.207	.207	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.829	.829	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.207	.207	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	M4	X	-.099	-.099	0	%100
2	M4	Z	.172	.172	0	%100
3	M52A	X	-.099	-.099	0	%100
4	M52A	Z	.172	.172	0	%100
5	M76A	X	-.397	-.397	0	%100
6	M76A	Z	.688	.688	0	%100
7	M10	X	-.252	-.252	0	%100
8	M10	Z	.436	.436	0	%100
9	M43	X	-.252	-.252	0	%100
10	M43	Z	.436	.436	0	%100
11	M53	X	-.252	-.252	0	%100
12	M53	Z	.436	.436	0	%100
13	M54	X	-.252	-.252	0	%100
14	M54	Z	.436	.436	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	-.321	-.321	0	%100
20	MP3A	Z	.556	.556	0	%100
21	MP4A	X	-.265	-.265	0	%100
22	MP4A	Z	.46	.46	0	%100
23	MP2A	X	-.265	-.265	0	%100
24	MP2A	Z	.46	.46	0	%100
25	MP1A	X	-.265	-.265	0	%100
26	MP1A	Z	.46	.46	0	%100
27	MP3C	X	-.321	-.321	0	%100
28	MP3C	Z	.556	.556	0	%100
29	MP4C	X	-.265	-.265	0	%100
30	MP4C	Z	.46	.46	0	%100
31	MP2C	X	-.265	-.265	0	%100
32	MP2C	Z	.46	.46	0	%100
33	MP1C	X	-.265	-.265	0	%100
34	MP1C	Z	.46	.46	0	%100
35	MP3B	X	-.321	-.321	0	%100
36	MP3B	Z	.556	.556	0	%100
37	MP4B	X	-.265	-.265	0	%100
38	MP4B	Z	.46	.46	0	%100
39	MP2B	X	-.265	-.265	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,%]
40	MP2B	Z	.46	.46	0	%100
41	MP1B	X	-.265	-.265	0	%100
42	MP1B	Z	.46	.46	0	%100
43	OVP1	X	-.217	-.217	0	%100
44	OVP1	Z	.376	.376	0	%100
45	M51B	X	-.279	-.279	0	%100
46	M51B	Z	.483	.483	0	%100
47	M52B	X	0	0	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	-.279	-.279	0	%100
52	M59A	Z	.483	.483	0	%100
53	M82	X	-.279	-.279	0	%100
54	M82	Z	.483	.483	0	%100
55	M83A	X	-.279	-.279	0	%100
56	M83A	Z	.483	.483	0	%100
57	M1	X	-.293	-.293	0	%100
58	M1	Z	.508	.508	0	%100
59	M82A	X	-.293	-.293	0	%100
60	M82A	Z	.508	.508	0	%100
61	M100	X	0	0	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	-.168	-.168	0	%100
64	M76	Z	.29	.29	0	%100
65	M77	X	-.512	-.512	0	%100
66	M77	Z	.887	.887	0	%100
67	M84	X	-.168	-.168	0	%100
68	M84	Z	.29	.29	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	-.168	-.168	0	%100
72	M63	Z	.29	.29	0	%100
73	M64	X	0	0	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	-.168	-.168	0	%100
76	M68	Z	.29	.29	0	%100
77	M69	X	-.512	-.512	0	%100
78	M69	Z	.887	.887	0	%100
79	M87	X	-.67	-.67	0	%100
80	M87	Z	1.161	1.161	0	%100
81	M88A	X	-.512	-.512	0	%100
82	M88A	Z	.887	.887	0	%100
83	M92A	X	-.67	-.67	0	%100
84	M92A	Z	1.161	1.161	0	%100
85	M93	X	-.512	-.512	0	%100
86	M93	Z	.887	.887	0	%100
87	M46	X	-.503	-.503	0	%100
88	M46	Z	.871	.871	0	%100
89	M80	X	-.539	-.539	0	%100
90	M80	Z	.934	.934	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	-.503	-.503	0	%100
94	M55	Z	.871	.871	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	M71	X	-.539	-.539	0	%100
98	M71	Z	.934	.934	0	%100
99	M79A	X	0	0	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	-.539	-.539	0	%100
102	M90	Z	.934	.934	0	%100
103	M95	X	-.539	-.539	0	%100
104	M95	Z	.934	.934	0	%100
105	M106	X	-.241	-.241	0	%100
106	M106	Z	.417	.417	0	%100
107	M111	X	-.241	-.241	0	%100
108	M111	Z	.417	.417	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.311	-.311	0	%100
114	M124	Z	.538	.538	0	%100
115	M125	X	-.311	-.311	0	%100
116	M125	Z	.538	.538	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	M4	X	-.516	-.516	0	%100
2	M4	Z	.298	.298	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-.516	-.516	0	%100
6	M76A	Z	.298	.298	0	%100
7	M10	X	-.145	-.145	0	%100
8	M10	Z	.084	.084	0	%100
9	M43	X	-.145	-.145	0	%100
10	M43	Z	.084	.084	0	%100
11	M53	X	-.582	-.582	0	%100
12	M53	Z	.336	.336	0	%100
13	M54	X	-.582	-.582	0	%100
14	M54	Z	.336	.336	0	%100
15	M77A	X	-.145	-.145	0	%100
16	M77A	Z	.084	.084	0	%100
17	M78	X	-.145	-.145	0	%100
18	M78	Z	.084	.084	0	%100
19	MP3A	X	-.556	-.556	0	%100
20	MP3A	Z	.321	.321	0	%100
21	MP4A	X	-.46	-.46	0	%100
22	MP4A	Z	.265	.265	0	%100
23	MP2A	X	-.46	-.46	0	%100
24	MP2A	Z	.265	.265	0	%100
25	MP1A	X	-.46	-.46	0	%100
26	MP1A	Z	.265	.265	0	%100
27	MP3C	X	-.556	-.556	0	%100
28	MP3C	Z	.321	.321	0	%100
29	MP4C	X	-.46	-.46	0	%100
30	MP4C	Z	.265	.265	0	%100
31	MP2C	X	-.46	-.46	0	%100
32	MP2C	Z	.265	.265	0	%100
33	MP1C	X	-.46	-.46	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,%]
34	MP1C	Z	.265	.265	0	%100
35	MP3B	X	-.556	-.556	0	%100
36	MP3B	Z	.321	.321	0	%100
37	MP4B	X	-.46	-.46	0	%100
38	MP4B	Z	.265	.265	0	%100
39	MP2B	X	-.46	-.46	0	%100
40	MP2B	Z	.265	.265	0	%100
41	MP1B	X	-.46	-.46	0	%100
42	MP1B	Z	.265	.265	0	%100
43	OVP1	X	-.376	-.376	0	%100
44	OVP1	Z	.217	.217	0	%100
45	M51B	X	-.645	-.645	0	%100
46	M51B	Z	.372	.372	0	%100
47	M52B	X	-.161	-.161	0	%100
48	M52B	Z	.093	.093	0	%100
49	M58A	X	-.161	-.161	0	%100
50	M58A	Z	.093	.093	0	%100
51	M59A	X	-.161	-.161	0	%100
52	M59A	Z	.093	.093	0	%100
53	M82	X	-.161	-.161	0	%100
54	M82	Z	.093	.093	0	%100
55	M83A	X	-.645	-.645	0	%100
56	M83A	Z	.372	.372	0	%100
57	M1	X	-.169	-.169	0	%100
58	M1	Z	.098	.098	0	%100
59	M82A	X	-.677	-.677	0	%100
60	M82A	Z	.391	.391	0	%100
61	M100	X	-.169	-.169	0	%100
62	M100	Z	.098	.098	0	%100
63	M76	X	-.871	-.871	0	%100
64	M76	Z	.503	.503	0	%100
65	M77	X	-1.182	-1.182	0	%100
66	M77	Z	.683	.683	0	%100
67	M84	X	-.871	-.871	0	%100
68	M84	Z	.503	.503	0	%100
69	M85	X	-.296	-.296	0	%100
70	M85	Z	.171	.171	0	%100
71	M63	X	0	0	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	-.296	-.296	0	%100
74	M64	Z	.171	.171	0	%100
75	M68	X	0	0	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	-.296	-.296	0	%100
78	M69	Z	.171	.171	0	%100
79	M87	X	-.871	-.871	0	%100
80	M87	Z	.503	.503	0	%100
81	M88A	X	-.296	-.296	0	%100
82	M88A	Z	.171	.171	0	%100
83	M92A	X	-.871	-.871	0	%100
84	M92A	Z	.503	.503	0	%100
85	M93	X	-1.182	-1.182	0	%100
86	M93	Z	.683	.683	0	%100
87	M46	X	-.29	-.29	0	%100
88	M46	Z	.168	.168	0	%100
89	M80	X	-1.245	-1.245	0	%100
90	M80	Z	.719	.719	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,%]
91	M91	X	-.311	-.311	0	%100
92	M91	Z	.18	.18	0	%100
93	M55	X	-1.161	-1.161	0	%100
94	M55	Z	.67	.67	0	%100
95	M66	X	-.311	-.311	0	%100
96	M66	Z	.18	.18	0	%100
97	M71	X	-.311	-.311	0	%100
98	M71	Z	.18	.18	0	%100
99	M79A	X	-.29	-.29	0	%100
100	M79A	Z	.168	.168	0	%100
101	M90	X	-.311	-.311	0	%100
102	M90	Z	.18	.18	0	%100
103	M95	X	-1.245	-1.245	0	%100
104	M95	Z	.719	.719	0	%100
105	M106	X	-.139	-.139	0	%100
106	M106	Z	.08	.08	0	%100
107	M111	X	-.556	-.556	0	%100
108	M111	Z	.321	.321	0	%100
109	M116	X	-.139	-.139	0	%100
110	M116	Z	.08	.08	0	%100
111	M123	X	-.179	-.179	0	%100
112	M123	Z	.104	.104	0	%100
113	M124	X	-.179	-.179	0	%100
114	M124	Z	.104	.104	0	%100
115	M125	X	-.718	-.718	0	%100
116	M125	Z	.414	.414	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	M4	X	-.794	-.794	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	-.199	-.199	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-.199	-.199	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	-.504	-.504	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	-.504	-.504	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-.504	-.504	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	-.504	-.504	0	%100
18	M78	Z	0	0	0	%100
19	MP3A	X	-.642	-.642	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-.531	-.531	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-.531	-.531	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-.531	-.531	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-.642	-.642	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,%]
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-.531	-.531	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-.531	-.531	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-.531	-.531	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-.642	-.642	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-.531	-.531	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-.531	-.531	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-.531	-.531	0	%100
42	MP1B	Z	0	0	0	%100
43	OVP1	X	-.434	-.434	0	%100
44	OVP1	Z	0	0	0	%100
45	M51B	X	-.558	-.558	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	-.558	-.558	0	%100
48	M52B	Z	0	0	0	%100
49	M58A	X	-.558	-.558	0	%100
50	M58A	Z	0	0	0	%100
51	M59A	X	0	0	0	%100
52	M59A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	-.558	-.558	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	0	0	0	%100
58	M1	Z	0	0	0	%100
59	M82A	X	-.586	-.586	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	-.586	-.586	0	%100
62	M100	Z	0	0	0	%100
63	M76	X	-1.34	-1.34	0	%100
64	M76	Z	0	0	0	%100
65	M77	X	-1.024	-1.024	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	-1.34	-1.34	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	-1.024	-1.024	0	%100
70	M85	Z	0	0	0	%100
71	M63	X	-.335	-.335	0	%100
72	M63	Z	0	0	0	%100
73	M64	X	-1.024	-1.024	0	%100
74	M64	Z	0	0	0	%100
75	M68	X	-.335	-.335	0	%100
76	M68	Z	0	0	0	%100
77	M69	X	0	0	0	%100
78	M69	Z	0	0	0	%100
79	M87	X	-.335	-.335	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	0	0	0	%100
82	M88A	Z	0	0	0	%100
83	M92A	X	-.335	-.335	0	%100
84	M92A	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,%]
85	M93	X	-1.024	-1.024	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	0	0	0	%100
88	M46	Z	0	0	0	%100
89	M80	X	-1.078	-1.078	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	-1.078	-1.078	0	%100
92	M91	Z	0	0	0	%100
93	M55	X	-1.005	-1.005	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	-1.078	-1.078	0	%100
96	M66	Z	0	0	0	%100
97	M71	X	0	0	0	%100
98	M71	Z	0	0	0	%100
99	M79A	X	-1.005	-1.005	0	%100
100	M79A	Z	0	0	0	%100
101	M90	X	0	0	0	%100
102	M90	Z	0	0	0	%100
103	M95	X	-1.078	-1.078	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M111	X	-.482	-.482	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	-.482	-.482	0	%100
110	M116	Z	0	0	0	%100
111	M123	X	-.622	-.622	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-.622	-.622	0	%100
116	M125	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	M4	X	-.516	-.516	0	%100
2	M4	Z	-.298	-.298	0	%100
3	M52A	X	-.516	-.516	0	%100
4	M52A	Z	-.298	-.298	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	-.145	-.145	0	%100
8	M10	Z	-.084	-.084	0	%100
9	M43	X	-.145	-.145	0	%100
10	M43	Z	-.084	-.084	0	%100
11	M53	X	-.145	-.145	0	%100
12	M53	Z	-.084	-.084	0	%100
13	M54	X	-.145	-.145	0	%100
14	M54	Z	-.084	-.084	0	%100
15	M77A	X	-.582	-.582	0	%100
16	M77A	Z	-.336	-.336	0	%100
17	M78	X	-.582	-.582	0	%100
18	M78	Z	-.336	-.336	0	%100
19	MP3A	X	-.556	-.556	0	%100
20	MP3A	Z	-.321	-.321	0	%100
21	MP4A	X	-.46	-.46	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,%]
22	MP4A	Z	-.265	-.265	0	%100
23	MP2A	X	-.46	-.46	0	%100
24	MP2A	Z	-.265	-.265	0	%100
25	MP1A	X	-.46	-.46	0	%100
26	MP1A	Z	-.265	-.265	0	%100
27	MP3C	X	-.556	-.556	0	%100
28	MP3C	Z	-.321	-.321	0	%100
29	MP4C	X	-.46	-.46	0	%100
30	MP4C	Z	-.265	-.265	0	%100
31	MP2C	X	-.46	-.46	0	%100
32	MP2C	Z	-.265	-.265	0	%100
33	MP1C	X	-.46	-.46	0	%100
34	MP1C	Z	-.265	-.265	0	%100
35	MP3B	X	-.556	-.556	0	%100
36	MP3B	Z	-.321	-.321	0	%100
37	MP4B	X	-.46	-.46	0	%100
38	MP4B	Z	-.265	-.265	0	%100
39	MP2B	X	-.46	-.46	0	%100
40	MP2B	Z	-.265	-.265	0	%100
41	MP1B	X	-.46	-.46	0	%100
42	MP1B	Z	-.265	-.265	0	%100
43	OVP1	X	-.376	-.376	0	%100
44	OVP1	Z	-.217	-.217	0	%100
45	M51B	X	-.161	-.161	0	%100
46	M51B	Z	-.093	-.093	0	%100
47	M52B	X	-.645	-.645	0	%100
48	M52B	Z	-.372	-.372	0	%100
49	M58A	X	-.645	-.645	0	%100
50	M58A	Z	-.372	-.372	0	%100
51	M59A	X	-.161	-.161	0	%100
52	M59A	Z	-.093	-.093	0	%100
53	M82	X	-.161	-.161	0	%100
54	M82	Z	-.093	-.093	0	%100
55	M83A	X	-.161	-.161	0	%100
56	M83A	Z	-.093	-.093	0	%100
57	M1	X	-.169	-.169	0	%100
58	M1	Z	-.098	-.098	0	%100
59	M82A	X	-.169	-.169	0	%100
60	M82A	Z	-.098	-.098	0	%100
61	M100	X	-.677	-.677	0	%100
62	M100	Z	-.391	-.391	0	%100
63	M76	X	-.871	-.871	0	%100
64	M76	Z	-.503	-.503	0	%100
65	M77	X	-.296	-.296	0	%100
66	M77	Z	-.171	-.171	0	%100
67	M84	X	-.871	-.871	0	%100
68	M84	Z	-.503	-.503	0	%100
69	M85	X	-1.182	-1.182	0	%100
70	M85	Z	-.683	-.683	0	%100
71	M63	X	-.871	-.871	0	%100
72	M63	Z	-.503	-.503	0	%100
73	M64	X	-1.182	-1.182	0	%100
74	M64	Z	-.683	-.683	0	%100
75	M68	X	-.871	-.871	0	%100
76	M68	Z	-.503	-.503	0	%100
77	M69	X	-.296	-.296	0	%100
78	M69	Z	-.171	-.171	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,%]
79	M87	X	0	0	0	%100
80	M87	Z	0	0	0	%100
81	M88A	X	-.296	-.296	0	%100
82	M88A	Z	-.171	-.171	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	M93	X	-.296	-.296	0	%100
86	M93	Z	-.171	-.171	0	%100
87	M46	X	-.29	-.29	0	%100
88	M46	Z	-.168	-.168	0	%100
89	M80	X	-.311	-.311	0	%100
90	M80	Z	-.18	-.18	0	%100
91	M91	X	-1.245	-1.245	0	%100
92	M91	Z	-.719	-.719	0	%100
93	M55	X	-.29	-.29	0	%100
94	M55	Z	-.168	-.168	0	%100
95	M66	X	-1.245	-1.245	0	%100
96	M66	Z	-.719	-.719	0	%100
97	M71	X	-.311	-.311	0	%100
98	M71	Z	-.18	-.18	0	%100
99	M79A	X	-1.161	-1.161	0	%100
100	M79A	Z	-.67	-.67	0	%100
101	M90	X	-.311	-.311	0	%100
102	M90	Z	-.18	-.18	0	%100
103	M95	X	-.311	-.311	0	%100
104	M95	Z	-.18	-.18	0	%100
105	M106	X	-.139	-.139	0	%100
106	M106	Z	-.08	-.08	0	%100
107	M111	X	-.139	-.139	0	%100
108	M111	Z	-.08	-.08	0	%100
109	M116	X	-.556	-.556	0	%100
110	M116	Z	-.321	-.321	0	%100
111	M123	X	-.718	-.718	0	%100
112	M123	Z	-.414	-.414	0	%100
113	M124	X	-.179	-.179	0	%100
114	M124	Z	-.104	-.104	0	%100
115	M125	X	-.179	-.179	0	%100
116	M125	Z	-.104	-.104	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	M4	X	-.099	-.099	0	%100
2	M4	Z	-.172	-.172	0	%100
3	M52A	X	-.397	-.397	0	%100
4	M52A	Z	-.688	-.688	0	%100
5	M76A	X	-.099	-.099	0	%100
6	M76A	Z	-.172	-.172	0	%100
7	M10	X	-.252	-.252	0	%100
8	M10	Z	-.436	-.436	0	%100
9	M43	X	-.252	-.252	0	%100
10	M43	Z	-.436	-.436	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-.252	-.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M77A	Z	-.436	-.436	0	%100
17	M78	X	-.252	-.252	0	%100
18	M78	Z	-.436	-.436	0	%100
19	MP3A	X	-.321	-.321	0	%100
20	MP3A	Z	-.556	-.556	0	%100
21	MP4A	X	-.265	-.265	0	%100
22	MP4A	Z	-.46	-.46	0	%100
23	MP2A	X	-.265	-.265	0	%100
24	MP2A	Z	-.46	-.46	0	%100
25	MP1A	X	-.265	-.265	0	%100
26	MP1A	Z	-.46	-.46	0	%100
27	MP3C	X	-.321	-.321	0	%100
28	MP3C	Z	-.556	-.556	0	%100
29	MP4C	X	-.265	-.265	0	%100
30	MP4C	Z	-.46	-.46	0	%100
31	MP2C	X	-.265	-.265	0	%100
32	MP2C	Z	-.46	-.46	0	%100
33	MP1C	X	-.265	-.265	0	%100
34	MP1C	Z	-.46	-.46	0	%100
35	MP3B	X	-.321	-.321	0	%100
36	MP3B	Z	-.556	-.556	0	%100
37	MP4B	X	-.265	-.265	0	%100
38	MP4B	Z	-.46	-.46	0	%100
39	MP2B	X	-.265	-.265	0	%100
40	MP2B	Z	-.46	-.46	0	%100
41	MP1B	X	-.265	-.265	0	%100
42	MP1B	Z	-.46	-.46	0	%100
43	OVP1	X	-.217	-.217	0	%100
44	OVP1	Z	-.376	-.376	0	%100
45	M51B	X	0	0	0	%100
46	M51B	Z	0	0	0	%100
47	M52B	X	-.279	-.279	0	%100
48	M52B	Z	-.483	-.483	0	%100
49	M58A	X	-.279	-.279	0	%100
50	M58A	Z	-.483	-.483	0	%100
51	M59A	X	-.279	-.279	0	%100
52	M59A	Z	-.483	-.483	0	%100
53	M82	X	-.279	-.279	0	%100
54	M82	Z	-.483	-.483	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M1	X	-.293	-.293	0	%100
58	M1	Z	-.508	-.508	0	%100
59	M82A	X	0	0	0	%100
60	M82A	Z	0	0	0	%100
61	M100	X	-.293	-.293	0	%100
62	M100	Z	-.508	-.508	0	%100
63	M76	X	-.168	-.168	0	%100
64	M76	Z	-.29	-.29	0	%100
65	M77	X	0	0	0	%100
66	M77	Z	0	0	0	%100
67	M84	X	-.168	-.168	0	%100
68	M84	Z	-.29	-.29	0	%100
69	M85	X	-.512	-.512	0	%100
70	M85	Z	-.887	-.887	0	%100
71	M63	X	-.67	-.67	0	%100
72	M63	Z	-1.161	-1.161	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,%]
73	M64	X	-.512	-.512	0	%100
74	M64	Z	-.887	-.887	0	%100
75	M68	X	-.67	-.67	0	%100
76	M68	Z	-1.161	-1.161	0	%100
77	M69	X	-.512	-.512	0	%100
78	M69	Z	-.887	-.887	0	%100
79	M87	X	-.168	-.168	0	%100
80	M87	Z	-.29	-.29	0	%100
81	M88A	X	-.512	-.512	0	%100
82	M88A	Z	-.887	-.887	0	%100
83	M92A	X	-.168	-.168	0	%100
84	M92A	Z	-.29	-.29	0	%100
85	M93	X	0	0	0	%100
86	M93	Z	0	0	0	%100
87	M46	X	-.503	-.503	0	%100
88	M46	Z	-.871	-.871	0	%100
89	M80	X	0	0	0	%100
90	M80	Z	0	0	0	%100
91	M91	X	-.539	-.539	0	%100
92	M91	Z	-.934	-.934	0	%100
93	M55	X	0	0	0	%100
94	M55	Z	0	0	0	%100
95	M66	X	-.539	-.539	0	%100
96	M66	Z	-.934	-.934	0	%100
97	M71	X	-.539	-.539	0	%100
98	M71	Z	-.934	-.934	0	%100
99	M79A	X	-.503	-.503	0	%100
100	M79A	Z	-.871	-.871	0	%100
101	M90	X	-.539	-.539	0	%100
102	M90	Z	-.934	-.934	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	0	0	0	%100
105	M106	X	-.241	-.241	0	%100
106	M106	Z	-.417	-.417	0	%100
107	M111	X	0	0	0	%100
108	M111	Z	0	0	0	%100
109	M116	X	-.241	-.241	0	%100
110	M116	Z	-.417	-.417	0	%100
111	M123	X	-.311	-.311	0	%100
112	M123	Z	-.538	-.538	0	%100
113	M124	X	-.311	-.311	0	%100
114	M124	Z	-.538	-.538	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-1.807	-4.258	0	.832
2	M51B	Y	-4.258	-6.771	.832	1.665
3	M51B	Y	-6.771	-7.939	1.665	2.497
4	M51B	Y	-7.939	-6.325	2.497	3.329
5	M51B	Y	-6.325	-3.336	3.329	4.162
6	M52B	Y	-3.33	-6.293	0	.832
7	M52B	Y	-6.293	-7.874	.832	1.665
8	M52B	Y	-7.874	-6.634	1.665	2.497
9	M52B	Y	-6.634	-4.064	2.497	3.329

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M52B	Y	-4.064	-1.601	3.329	4.162
11	M82	Y	-1.807	-4.258	0	.832
12	M82	Y	-4.258	-6.771	.832	1.665
13	M82	Y	-6.771	-7.939	1.665	2.497
14	M82	Y	-7.939	-6.325	2.497	3.329
15	M82	Y	-6.325	-3.336	3.329	4.162
16	M83A	Y	-3.33	-6.293	0	.832
17	M83A	Y	-6.293	-7.874	.832	1.665
18	M83A	Y	-7.874	-6.634	1.665	2.497
19	M83A	Y	-6.634	-4.064	2.497	3.329
20	M83A	Y	-4.064	-1.601	3.329	4.162
21	M58A	Y	-1.597	-4.066	0	.832
22	M58A	Y	-4.066	-6.636	.832	1.665
23	M58A	Y	-6.636	-7.874	1.665	2.497
24	M58A	Y	-7.874	-6.293	2.497	3.329
25	M58A	Y	-6.293	-3.33	3.329	4.162
26	M59A	Y	-3.329	-6.32	0	.832
27	M59A	Y	-6.32	-7.943	.832	1.665
28	M59A	Y	-7.943	-6.773	1.665	2.497
29	M59A	Y	-6.773	-4.256	2.497	3.329
30	M59A	Y	-4.256	-1.812	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-3.976	-9.367	0	.832
2	M51B	Y	-9.367	-14.896	.832	1.665
3	M51B	Y	-14.896	-17.465	1.665	2.497
4	M51B	Y	-17.465	-13.915	2.497	3.329
5	M51B	Y	-13.915	-7.34	3.329	4.162
6	M52B	Y	-7.325	-13.844	0	.832
7	M52B	Y	-13.844	-17.322	.832	1.665
8	M52B	Y	-17.322	-14.596	1.665	2.497
9	M52B	Y	-14.596	-8.941	2.497	3.329
10	M52B	Y	-8.941	-3.523	3.329	4.162
11	M82	Y	-3.976	-9.367	0	.832
12	M82	Y	-9.367	-14.896	.832	1.665
13	M82	Y	-14.896	-17.465	1.665	2.497
14	M82	Y	-17.465	-13.915	2.497	3.329
15	M82	Y	-13.915	-7.34	3.329	4.162
16	M83A	Y	-7.325	-13.844	0	.832
17	M83A	Y	-13.844	-17.322	.832	1.665
18	M83A	Y	-17.322	-14.596	1.665	2.497
19	M83A	Y	-14.596	-8.941	2.497	3.329
20	M83A	Y	-8.941	-3.523	3.329	4.162
21	M58A	Y	-3.514	-8.944	0	.832
22	M58A	Y	-8.944	-14.6	.832	1.665
23	M58A	Y	-14.6	-17.322	1.665	2.497
24	M58A	Y	-17.322	-13.844	2.497	3.329
25	M58A	Y	-13.844	-7.326	3.329	4.162
26	M59A	Y	-7.323	-13.905	0	.832
27	M59A	Y	-13.905	-17.474	.832	1.665
28	M59A	Y	-17.474	-14.902	1.665	2.497
29	M59A	Y	-14.902	-9.363	2.497	3.329
30	M59A	Y	-9.363	-3.986	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

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

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	970.111	10	2351.362	13	2300.561	1	4.774	13	1.559	4	.184	3
2		min	-1006.805	4	452.608	7	-2430.838	7	-.157	7	-1.608	10	-.384	9
3	N87D	max	1812.825	9	2199.065	21	1426.791	1	-.138	3	1.435	12	.064	3
4		min	-1906.568	3	395.995	3	-1329.874	7	-3.009	45	-1.484	6	-4.634	45
5	N115	max	2025.524	10	2196.937	17	1047.364	11	.124	11	1.429	8	4.051	17
6		min	-1891.97	4	395.355	11	-1015.395	5	-2.125	17	-1.478	2	.087	11
7	Totals:	max	4530.928	10	6331.2	13	4566.909	1						
8		min	-4530.928	4	3010.678	7	-4566.913	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 [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M4	HSS4X4X4	.298	0	23	.080	0	y	23	124657.7...	139518	16.181	16.181	3....	H1-1b
2	M52A	HSS4X4X4	.344	0	43	.076	0	y	44	124657.7...	139518	16.181	16.181	2....	H1-1b
3	M76A	HSS4X4X4	.286	0	18	.079	0	y	30	124657.7...	139518	16.181	16.181	3....	H1-1b
4	M10	HSS4X4X4	.160	2.375	14	.043	2.375	y	13	136263.03	139518	16.181	16.181	1....	H1-1b
5	M43	HSS4X4X4	.144	0	24	.050	0	y	13	136263.03	139518	16.181	16.181	1....	H1-1b
6	M53	HSS4X4X4	.160	2.375	22	.044	2.375	y	45	136263.03	139518	16.181	16.181	1....	H1-1b
7	M54	HSS4X4X4	.144	0	20	.050	0	y	21	136263.03	139518	16.181	16.181	1....	H1-1b
8	M77A	HSS4X4X4	.160	2.375	18	.043	2.375	y	29	136263.03	139518	16.181	16.181	1....	H1-1b
9	M78	HSS4X4X4	.145	0	16	.050	0	y	17	136263.03	139518	16.181	16.181	1....	H1-1b
10	MP3A	PIPE_2.5	.262	4.448	5	.075	2.917		2	33961.614	50715	3.596	3.596	1....	H1-1b
11	MP4A	PIPE_2.0	.286	4.448	41	.043	2.698		42	17855.085	32130	1.872	1.872	2....	H1-1b
12	MP2A	PIPE_2.0	.316	4.448	9	.055	2.917		11	17855.085	32130	1.872	1.872	1....	H1-1b
13	MP1A	PIPE_2.0	.291	4.448	9	.086	4.448		8	17855.085	32130	1.872	1.872	1....	H1-1b
14	MP3C	PIPE_2.5	.263	4.448	1	.075	2.917		10	33961.614	50715	3.596	3.596	1....	H1-1b
15	MP4C	PIPE_2.0	.152	4.448	1	.034	1.531		2	17855.085	32130	1.872	1.872	2....	H1-1b
16	MP2C	PIPE_2.0	.315	4.448	5	.055	2.917		7	17855.085	32130	1.872	1.872	1....	H1-1b
17	MP1C	PIPE_2.0	.290	4.448	5	.086	4.448		4	17855.085	32130	1.872	1.872	2....	H1-1b
18	MP3B	PIPE_2.5	.261	4.448	9	.075	2.917		6	33961.614	50715	3.596	3.596	2....	H1-1b
19	MP4B	PIPE_2.0	.151	4.448	9	.034	1.531		10	17855.085	32130	1.872	1.872	2....	H1-1b
20	MP2B	PIPE_2.0	.316	4.448	1	.055	2.917		3	17855.085	32130	1.872	1.872	1....	H1-1b
21	MP1B	PIPE_2.0	.293	4.448	1	.086	4.448		12	17855.085	32130	1.872	1.872	2....	H1-1b
22	OVP1	PIPE_2.0	.149	2.5	1	.061	2.5		10	28843.414	32130	1.872	1.872	1	H1-1b
23	M51B	L2x2x3	.133	0	2	.014	0	y	17	9823.122	23392.8	.558	1.089	1....	H2-1
24	M52B	L2x2x3	.160	0	12	.010	0	y	21	9823.122	23392.8	.558	1.09	1....	H2-1
25	M58A	L2x2x3	.133	0	10	.014	0	y	13	9823.122	23392.8	.558	1.09	1....	H2-1
26	M59A	L2x2x3	.160	0	8	.010	0	y	17	9823.122	23392.8	.558	1.089	1....	H2-1
27	M82	L2x2x3	.134	0	6	.014	0	y	21	9823.122	23392.8	.558	1.089	1....	H2-1
28	M83A	L2x2x3	.160	0	4	.010	0	y	13	9823.122	23392.8	.558	1.09	1....	H2-1
29	M1	PIPE_3.0	.126	3.932	19	.054	3.932		6	27936.207	65205	5.749	5.749	1....	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
30	M82A	PIPE_3.0	.127	3.932	15	.054	3.932		2	27936.207	65205	5.749	5.749	1....	H1-1b
31	M100	PIPE_3.0	.131	3.932	47	.055	3.932		10	27936.207	65205	5.749	5.749	1....	H1-1b
32	M76	PL3/8x6	.203	0	2	.286	0	y	18	70677.939	72900	.57	9.113	1....	H1-1b
33	M77	PL3/8x6	.209	.167	8	.310	0	y	13	71601.728	72900	.57	9.113	1....	H1-1b
34	M84	PL3/8x6	.154	0	6	.126	0	y	44	70677.939	72900	.57	9.113	1....	H1-1b
35	M85	PL3/8x6	.276	.167	6	.298	0	y	24	71601.728	72900	.57	9.113	1....	H1-1b
36	M63	PL3/8x6	.204	0	10	.286	0	y	14	70677.939	72900	.57	9.113	1....	H1-1b
37	M64	PL3/8x6	.209	.167	4	.310	0	y	21	71601.728	72900	.57	9.113	1....	H1-1b
38	M68	PL3/8x6	.152	0	2	.152	0	y	28	70677.939	72900	.57	9.113	1.8	H1-1b
39	M69	PL3/8x6	.276	.167	2	.299	0	y	20	71601.728	72900	.57	9.113	1....	H1-1b
40	M87	PL3/8x6	.202	0	6	.284	0	y	22	70677.939	72900	.57	9.113	1....	H1-1b
41	M88A	PL3/8x6	.209	.167	12	.309	0	y	17	71601.728	72900	.57	9.113	1....	H1-1b
42	M92A	PL3/8x6	.154	0	10	.142	0	y	36	70677.939	72900	.57	9.113	1.8	H1-1b
43	M93	PL3/8x6	.276	.167	10	.300	0	y	16	71601.728	72900	.57	9.113	1....	H1-1b
44	M46	PL1/2x6	.176	.516	2	.118	.516	y	16	66009.234	97200	1.012	12.15	1....	H1-1b
45	M80	PL1/2x6	.059	.112	2	.088	.112	y	5	96757.507	97200	1.012	12.15	1.1	H1-1b
46	M91	PL1/2x6	.048	.112	1	.099	0	y	3	96757.507	97200	1.012	12.15	1....	H1-1b
47	M55	PL1/2x6	.177	.516	10	.174	.516	y	48	66009.234	97200	1.012	12.15	1....	H1-1b
48	M66	PL1/2x6	.059	.112	10	.096	.112	y	37	96757.507	97200	1.012	12.15	1....	H1-1b
49	M71	PL1/2x6	.048	.112	9	.195	0	y	47	96757.507	97200	1.012	12.15	1....	H1-1b
50	M79A	PL1/2x6	.176	.516	6	.118	.516	y	20	66009.234	97200	1.012	12.15	1....	H1-1b
51	M90	PL1/2x6	.059	.112	6	.089	.112	y	9	96757.507	97200	1.012	12.15	1....	H1-1b
52	M95	PL1/2x6	.048	.112	5	.100	0	y	7	96757.507	97200	1.012	12.15	1....	H1-1b
53	M106	PIPE_2.5	.160	8.333	41	.057	1.172		12	14558.792	50715	3.596	3.596	2....	H1-1b
54	M111	PIPE_2.5	.147	8.333	12	.057	1.172		8	14558.792	50715	3.596	3.596	3.4	H1-1b
55	M116	PIPE_2.5	.146	8.333	8	.057	1.172		4	14558.792	50715	3.596	3.596	3....	H1-1b
56	M123	L3X3X4	.288	2.381	3	.026	0	z	8	41149.788	46656	1.688	3.756	2....	H2-1
57	M124	L3X3X4	.288	2.381	11	.026	0	z	4	41149.788	46656	1.688	3.756	2....	H2-1
58	M125	L3X3X4	.288	2.381	7	.026	.198	z	12	41149.788	46656	1.688	3.756	2....	H2-1

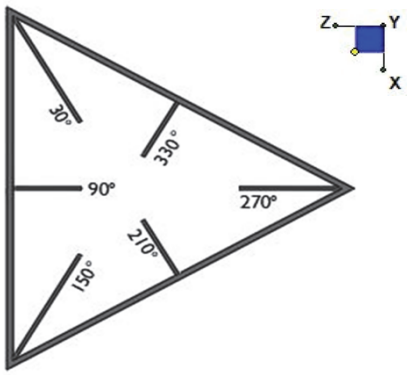
Client:	Verizon Wireless	Date:	8/10/2021
Site Name:	Canterbury CT		
Project No.	21777308A		
Title:	Mount MOD Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

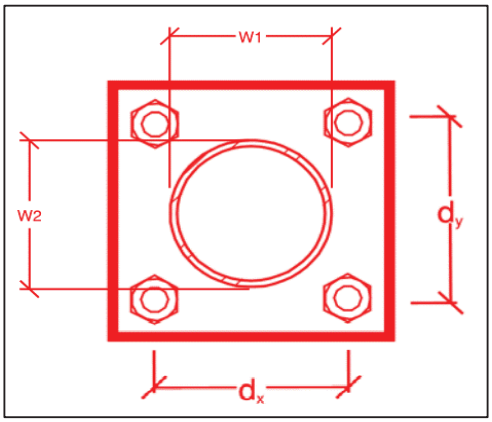
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N3	270
N87D	30
N115	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	22.1
Required Shear Strength (kips):	3.7
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**26.6%***
Shear Capacity Overall:	**7.4%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	3.11
Plate Bending Capacity:	**30.6%**
Weld Capacity:	**37.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	10.9
Phi*Mn_{xx} *(kip-in)* :	36.5
Mu_{yy} *(kip-in)* :	0.2
Phi*Mn_{yy} *(kip-in)* :	36.5

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide Maser Consulting Connecticut 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 modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut 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 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 modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - 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
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - 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.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included
in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

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 Mod Drawings:

Issue:

Contractor shall install the new OVP on the new equipment pipe 12” from the top of the pipe.

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: 468760-VZW - CANTERBURY CT

Sector: **A**

Structure Type: Monopole

Mount Elev: 169.00

10094135

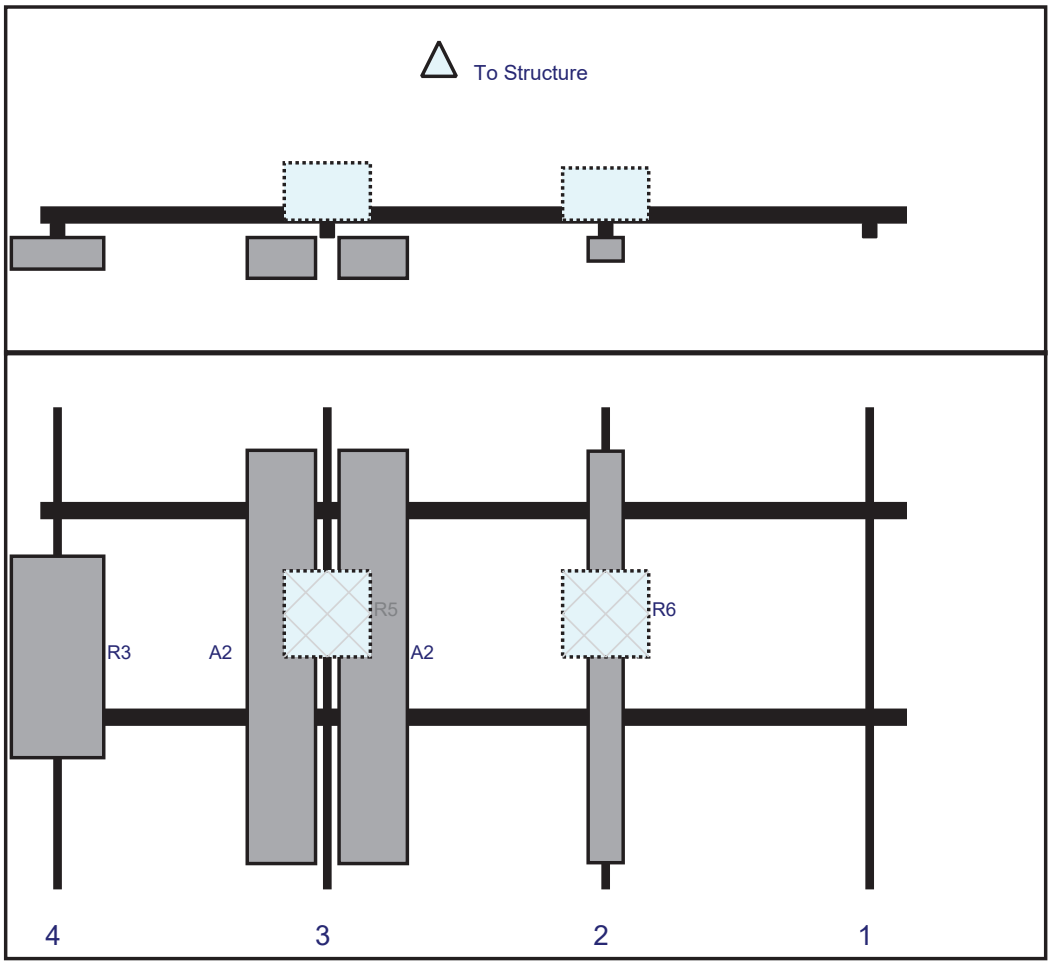
8/10/2021

Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure

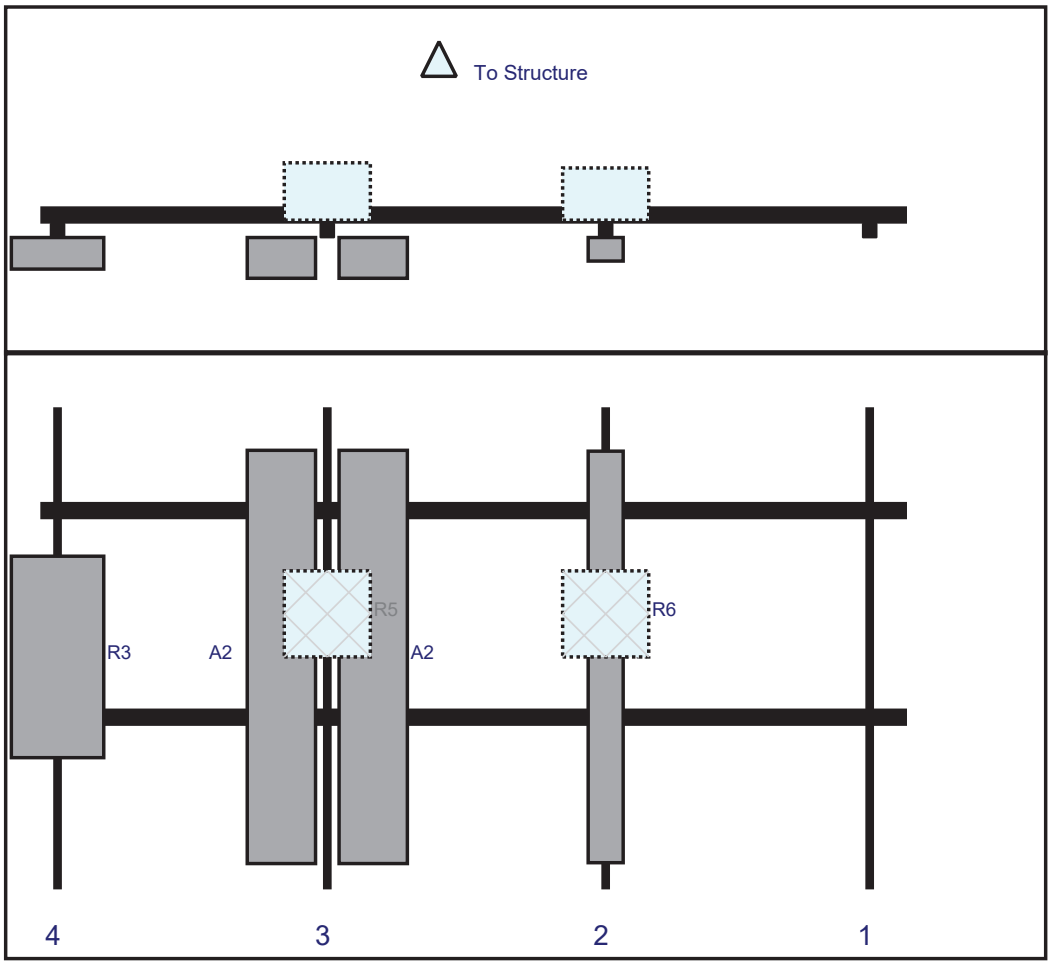


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	BXA-171063-12BF-EDIN-X	71.7	6.1	98.5	2	a	Front	43.5	0	Retained	03/27/2021
R6	RF4440d-13A	15	15	98.5	2	a	Behind	36	0	Added	
A2	NHH-65B-R2B	72	11.9	50	3	a	Front	43.5	8	Added	
A2	NHH-65B-R2B	72	11.9	50	3	b	Front	43.5	-8	Added	
R5	RF4439d-25A	15	15	50	3	a	Behind	36	0	Added	
R3	MT6407-77A	35.1	16.1	3	4	a	Front	43.5	0	Added	

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure

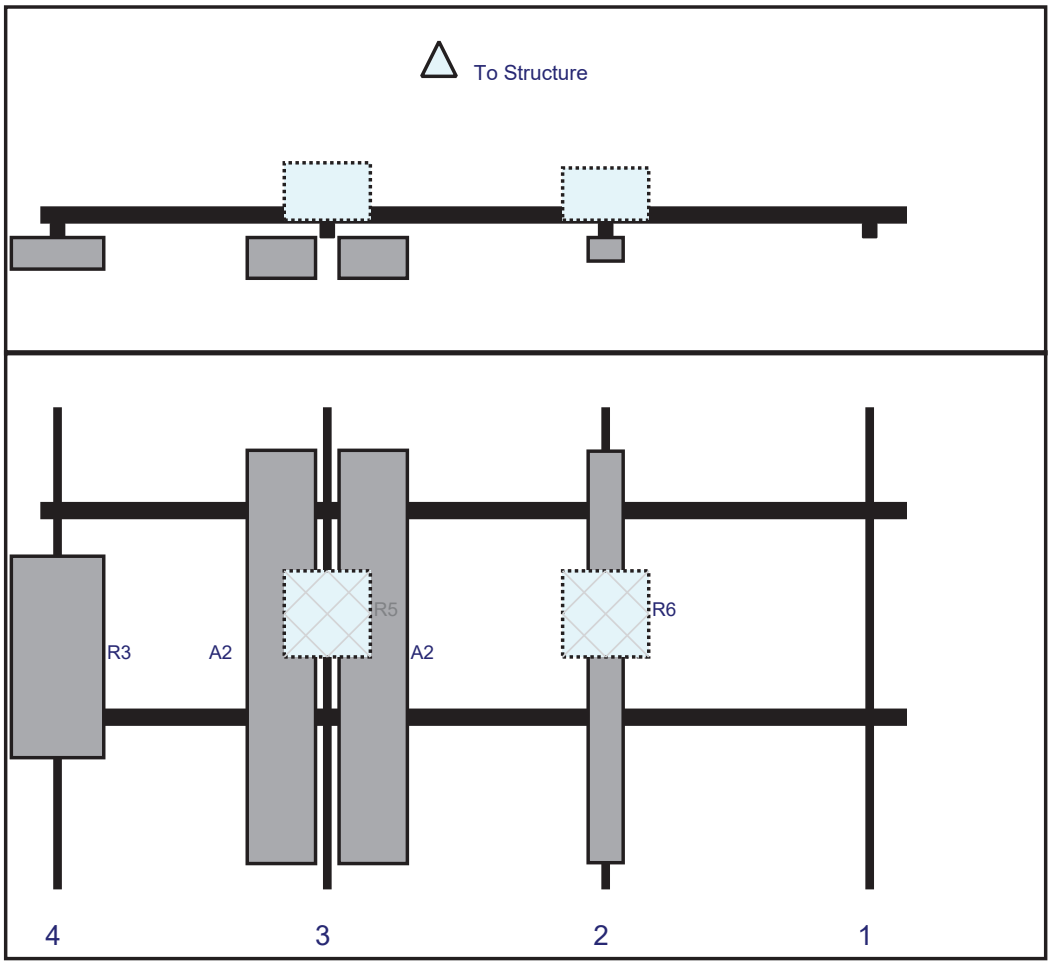


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	BXA-171063-12BF-EDIN-X	71.7	6.1	98.5	2	a	Front	43.5	0	Retained	03/27/2021
R6	RF4440d-13A	15	15	98.5	2	a	Behind	36	0	Added	
A2	NHH-65B-R2B	72	11.9	50	3	a	Front	43.5	8	Added	
A2	NHH-65B-R2B	72	11.9	50	3	b	Front	43.5	-8	Added	
R5	RF4439d-25A	15	15	50	3	a	Behind	36	0	Added	
R3	MT6407-77A	35.1	16.1	3	4	a	Front	43.5	0	Added	

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	MT6407-77A	35.1	16.1	3	4	a	Front	43.5	0	Added	
A1	BXA-171063-12BF-EDIN-X	71.7	6.1	98.5	2	a	Front	43.5	0	Retained	03/27/2021
R6	RF4440d-13A	15	15	98.5	2	a	Behind	36	0	Added	
A2	NHH-65B-R2B	72	11.9	50	3	a	Front	43.5	8	Added	
A2	NHH-65B-R2B	72	11.9	50	3	b	Front	43.5	-8	Added	
R5	RF4439d-25A	15	15	50	3	a	Behind	36	0	Added	

Maser Consulting Connecticut

Subject	*TIA-222-H Usage*	
Site Information	*Site ID:*	*468760-VZW / CANTERBURY CT*
	Site Name:	*CANTERBURY CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*53 Westminster Rd* *Canterbury, Connecticut 06331* *Windham County*
	Latitude:	*41.701986°*
	Longitude:	*-71.980586°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.58-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,

Derek Hartzell, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: ***CANTERBURY CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	688	2753	170	0.0034	0.5007	0.68%
VZW Cellular	874	4	691	2763	170	0.0034	0.5827	0.59%
VZW PCS	1977.5	4	1466	5862	170	0.0073	1.0000	0.73%
VZW AWS	2120	4	1626	6502	170	0.0081	1.0000	0.81%
VZW CBAND	3730.08	4	6531	26125	170	0.0325	1.0000	3.25%
Total Percentage of Maximum Permissible Exposure								6.06%

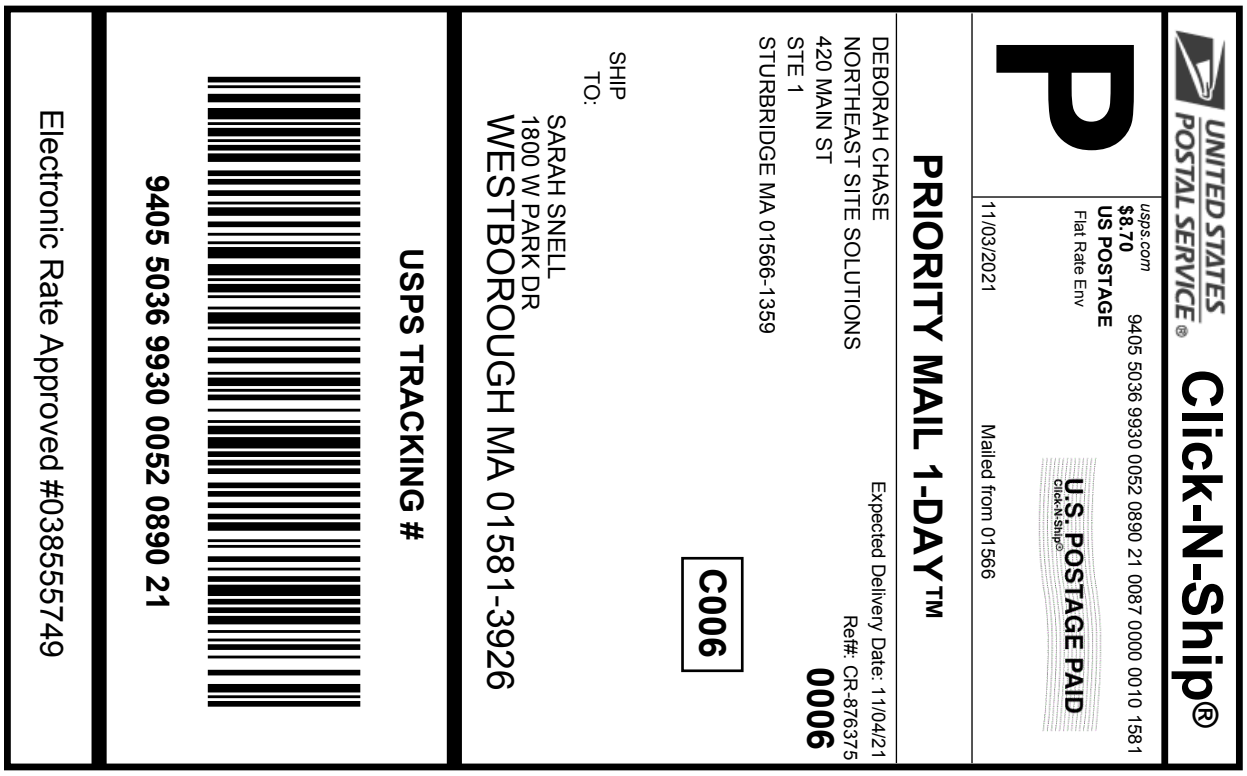
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit F

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 0052 0890 21

Trans. #:	547537412
Print Date:	11/03/2021
Ship Date:	11/03/2021
Expected Delivery Date:	11/04/2021

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

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

Ref#: CR-876375

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!
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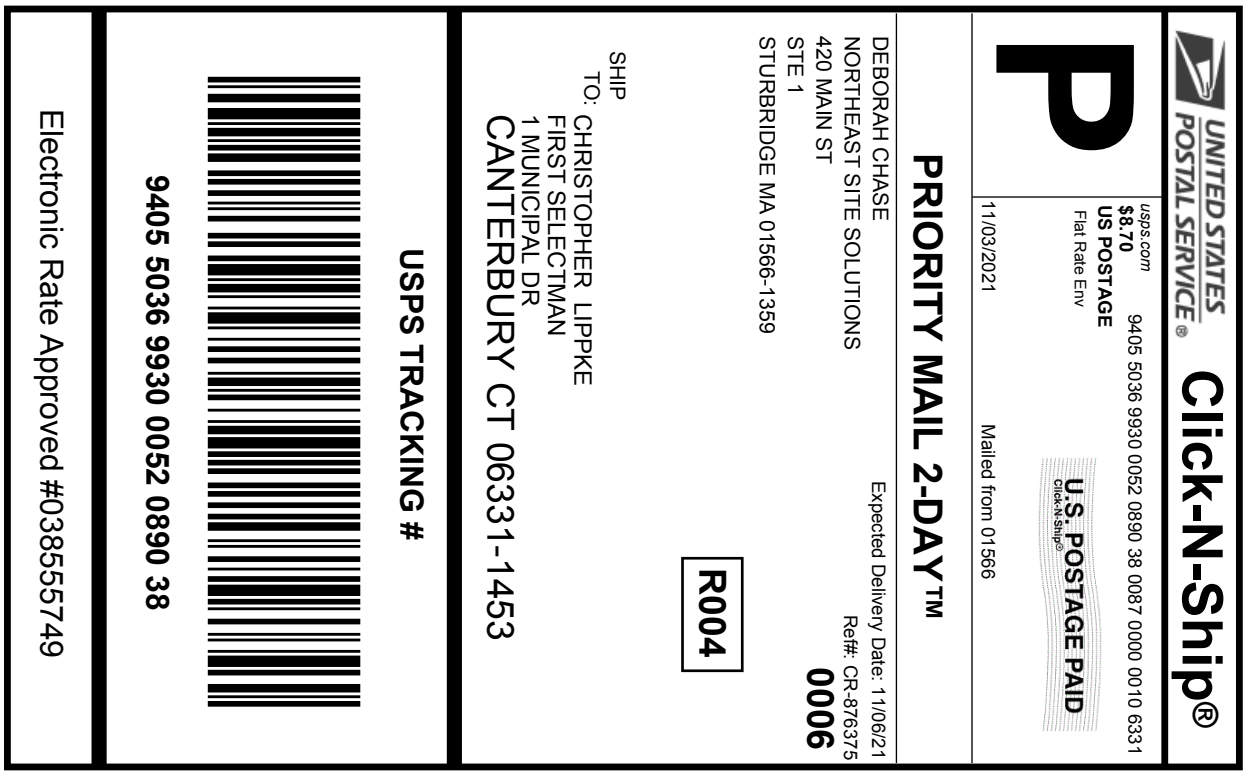

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0052 0890 38

Trans. #:	547537412
Print Date:	11/03/2021
Ship Date:	11/03/2021
Expected Delivery Date:	11/06/2021

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

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

Ref#: CR-876375

To: CHRISTOPHER LIPPKE
FIRST SELECTMAN
1 MUNICIPAL DR
CANTERBURY CT 06331-1453

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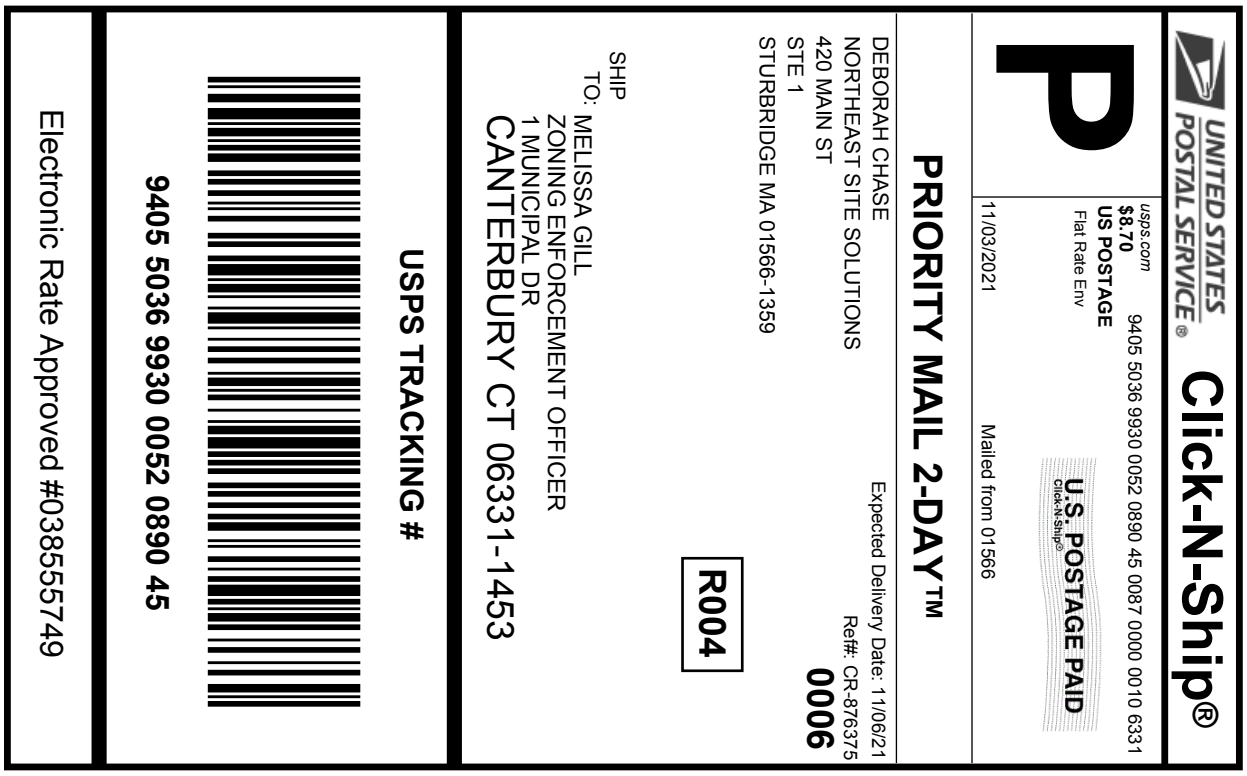

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Click-N-Ship® Label Record

USPS TRACKING # :
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Trans. #:	547537412
Print Date:	11/03/2021
Ship Date:	11/03/2021
Expected Delivery Date:	11/06/2021

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

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

Ref#: CR-876375

To: MELISSA GILL
ZONING ENFORCEMENT OFFICER
1 MUNICIPAL DR
CANTERBURY CT 06331-1453

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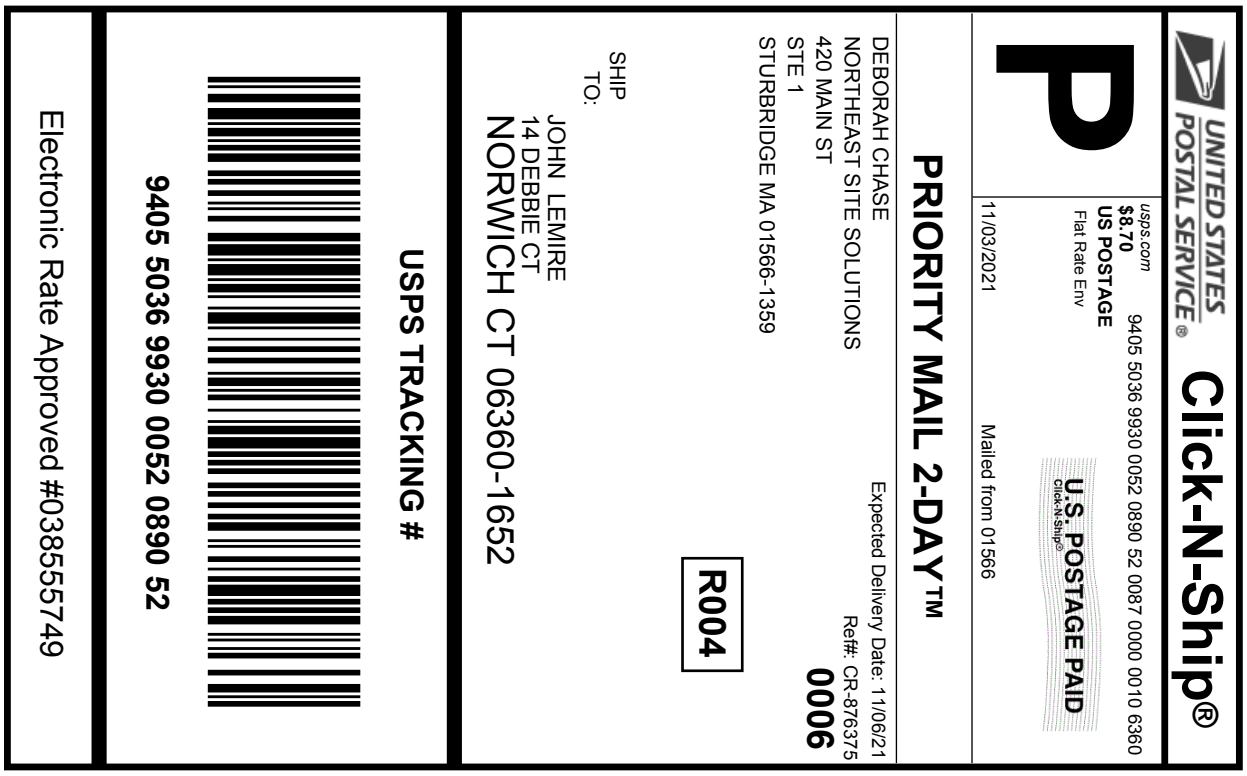

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USPS TRACKING # :
9405 5036 9930 0052 0890 52

Trans. #:	547537412
Print Date:	11/03/2021
Ship Date:	11/03/2021
Expected Delivery Date:	11/06/2021

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

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

Ref#: CR-876375

To: JOHN LEMIRE
14 DEBBIE CT
NORWICH CT 06360-1652

* 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.

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876375

UNITED STATES POSTAL SERVICE.

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

11/04/2021 11:39 AM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 0890 21	1		$0.00
Prepaid Mail Canterbury, CT 06331 Weight: 0 lb 8.00 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 0890 38	1		$0.00
Prepaid Mail Canterbury, CT 06331 Weight: 0 lb 8.00 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 0890 45	1		$0.00
Prepaid Mail Norwich, CT 06360 Weight: 0 lb 8.00 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 0890 52	1		$0.00

$0.00