NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

July 25, 2021

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

RE: Exempt Modification Application
782 Old Clinton Road, Westbrook, CT 06498
Latitude: 41.290472
Longitude: -72.468278
Site#: 876339_ Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 782 Old Clinton Road, Westbrook, CT 06498. Verizon Wireless currently maintains twelve (12) antennas at the 117-foot level of the existing 160-foot tower. The property is owned by Catherine Wade and the tower is owned by Crown Castle. Verizon now intends to add three (3) new antenna. The new antennas would be installed at the 117-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and **5G** capable.

Verizon Planned Modifications:
Remove: NONE

Remove and Replace: NONE

Install New:
(3) MT6407-77A Antenna

Existing to Remain:
(6) Andrew JAHH 65B R3B Antenna
(4) LPA-80063/6CF Antenna
(2) LPA-80080/4CF Antenna
(3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRH
(3) Samsung B5/B13 -BRO4C – RFV01U-D2A RRH
(3) Diplexers
(2) Raycap
(6) 1-5/8" Coax
(2) Hybrid Lines

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The facility was approved by the CT Siting Council Petition No. 511 on July 11,2001. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to The Honorable Noel Bishop, First Selectman, and Eric Knapp, Planning & Zoning Development, for the Town of Westbrook. 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 respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments
cc:
The Honorable Noel Bishop, First Selectman (nbishop@westbrookct.us)
Town of Westbrook 866 Boston Post Road Westbrook, CT 06498

Eric Knapp, Planning & Zoning Development Coordinator (eknapp@westbrookct.us)
Town of Westbrook 866 Boston Post Road Westbrook, CT 06498

Catherine A. Wade, Property Owner
782 Old Clinton Road Westbrook, CT 06498

Crown Castle, Property and Tower Owner (Attn: Sarah.Snell@crowncastle.com)

Exhibit A

Original Facility Approval

Petition No. 511
Sprint Sites USA
Westbrook, Connecticut
Staff Report
July 11, 2001

On May 24, 2000, Connecticut Siting Council (Council) member William H. Smith and Council Staff Paul M. Aresta met representatives for Sprint Sites USA (SSUSA) and Julie Cashin for an inspection of an existing 160-foot tall monopole tower located at 782 Old Clinton Road, in Westbrook, Connecticut. SSUSA seeks a declaratory ruling that the proposed expansion of the existing compound, modification of the existing access road, co-location of three addition telecommunications carriers, and reinforcement of the existing tower would not have a substantial adverse environmental effect, and that no Certificate of Environmental Compatibility and Public Need (Certificate) would be required.

The existing 160-foot tall monopole tower was approved by the Town of Westbrook on May 26, 1998. The Council approved the shared use of this tower by Omnipoint Communication at a centerline height of 145 feet above ground level (AGL) on June 16, 1999, and Nextel Communication at a centerline height of 130 feet AGL on September 16, 1999. SSUSA contends that the existing tower currently supports antennas for Sprint at the 160 feet AGL, Voicestream's (formerly Omnipoint) at 142.5 AGL, and Nextel at 150 feet AGL. SSUSA request that the Council amend the previous approvals to acknowledge the existing antennas at their current heights.

AT&T Wireless Services (AT&T) proposes to place up to twelve panel antennas on a platform at the 130-foot level; Verizon proposes to place up to fifteen panel antennas on a platform at the 120-foot level; and Springwich Cellular proposes to place up to twelve panel antennas on a platform at the 110-foot level of the existing tower.

The existing tower and foundation would require reinforcing to support all of the proposed equipment. SSUSA has included two proposals to reinforce the existing structure. SSUSA would either construct a structural support consisting of three approximately 125-feet tall columns with eleven cross-braces around the existing monopole structure. The proposed columns would each be constructed of eight-inch diameter pipe filled with post-tensioned concrete. Alternately, SSUSA could install a collar type reinforcement around the existing monopole tower up to 109 feet AGL. The collar would be bolted together around the existing tower. The reinforcement would involve removing the antennas below the 110-foot height on the tower; installing 20-foot deep rock anchors through the existing foundation at each corner; installing the steel sleeve; and reinstalling the existing antennas. The exterior finish on the collar reinforcement would be galvanized steel.

SSUSA proposes to expand the existing fenced compound from 34 feet by 28 feet to 50 feet by 90 feet to accommodate three 12-foot by 20-foot telecommunications equipment buildings. The existing fence would be removed and a new approximately six-foot tall chain link fence with three strands of barbed wire would be constructed around the expanded compound. All vegetation within the existing compound would be removed. Evergreen landscaping would be installed around the perimeter of the expanded site compound and approximately six eight-foot white pines would be installed approximately 35 feet southwest of the expanded site compound. A vehicle turnaround would be constructed on the west side of the expanded compound, and a portion of the existing ten-foot wide gravel access road would be re-routed, at the request of the landowner. Utilities are available within the existing site compound. Verizon would install a 40-kW emergency diesel generator.

The worst case power density for the existing and proposed telecommunications operations at the site would be approximately 79 percent of the applicable ANSI standard at the base of the tower. SSUSA contends that the proposed expansion of the compound, tower reinforcement, and addition of the three telecommunications entities would not cause a significant change to the physical or environmental characteristics of this site.

Exhibit B

Property Card

782 OLD CLINTON RD

Location	782 OLD CLINTON RD	**Mblu**	169/ / 018/ /
Acct#	E0110900	**Owner**	WADE CATHERINE A
Assessment	$487,700	**Appraisal**	$697,730
PID	1175	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$582,990	$114,740	$697,730

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$413,390	$74,310	$487,700

Owner of Record

Owner	WADE CATHERINE A	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	782 OLD CLINTON RD WESTBROOK, CT 06498	**Book & Page**	162/83
		Sale Date	11/10/1993
		Instrument	25

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
WADE CATHERINE A	$0		162/83	25	11/10/1993

Building Information

Building 1 : Section 1

Year Built:	1946
Living Area:	3,142
Replacement Cost:	$281,163
Building Percent Good:	58
Replacement Cost Less Depreciation:	$163,070

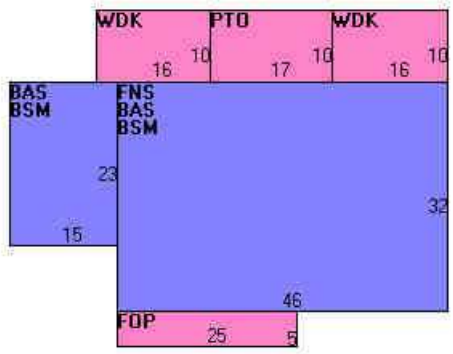
Building Attributes

Field	Description
Style	Colonial
Model	Residential
Grade:	C+
Stories	1.9
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Gambrel
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	7
Full Bthrms:	3
Half Baths:	0
Extra Fixtures	3
Total Rooms:	10
Bath Style:	Modern
Kitchen Style:	Average
Extra Kitchens	0
Fireplace(s)	1
Usrfld 103	1
Gas Fireplace(s)	0
Stacks	1
Bsmt Garage(s)	0
Usrfld 107	Poured Conc
Callback	
Fireplaces	
Fin Bsmnt	0.00
Fin Bsmnt Qual	
Bsmt Heat	
Int Vs Ext	Same
Usrfld 300	
Usrfld 301	

Building Photo

(http://images.vgsi.com/photos2/WestbrookCTPhotos//\00\00\50\97.jpg)

Building Layout



(http://images.vgsi.com/photos2/WestbrookCTPhotos//Sketches/1175_117

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	1,817	1,817
FNS	Finished 90% Story	1,472	1,325
BSM	Basement	1,817	0
FOP	Open Porch	125	0
PTO	Patio	170	0
WDK	Deck	320	0
		5,721	3,142

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	101
Description	Res Dwelling
Zone	RR
Neighborhood	0045
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	5
Depth	
Assessed Value	$74,310
Appraised Value	$114,740

Special Land			
Land Use Code	**Land Use Description**	**Units**	**Unit Type**
712	490 Tillable C	2	AC

Outbuildings

Outbuildings							Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**	**Comment**
FGR1	Garage			868.00 S.F.	$10,850	1	
TCB	Telecomm Bldg			216.00 UNITS	$59,400	1	
TCS	Telecomm Site			700.00 UNITS	$269,500	1	
SHD1	Shed			180.00 S.F.	$1,800	1	
BRN1	1 Story Barn			360.00 S.F.	$5,400	1	
STB	Stable			310.00 S.F.	$6,980	1	
LNT	Lean To			264.00 S.F.	$660	1	
SHD1	Shed			140.00 S.F.	$1,400	1	
GAZ	Gazebo			77.00 S.F.	$770	1	
TCM	Telecomm			100.00 S.F.&HGT	$2,450	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			3.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$10,000	1	
TCM	Telecomm			0.00 S.F.&HGT	$10,710	1	

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$582,990	$114,740	$697,730

2018	$587,600	$114,740	$702,340
2017	$566,890	$114,740	$681,630

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$413,390	$74,310	$487,700
2018	$416,620	$74,310	$490,930
2017	$402,120	$74,310	$476,430

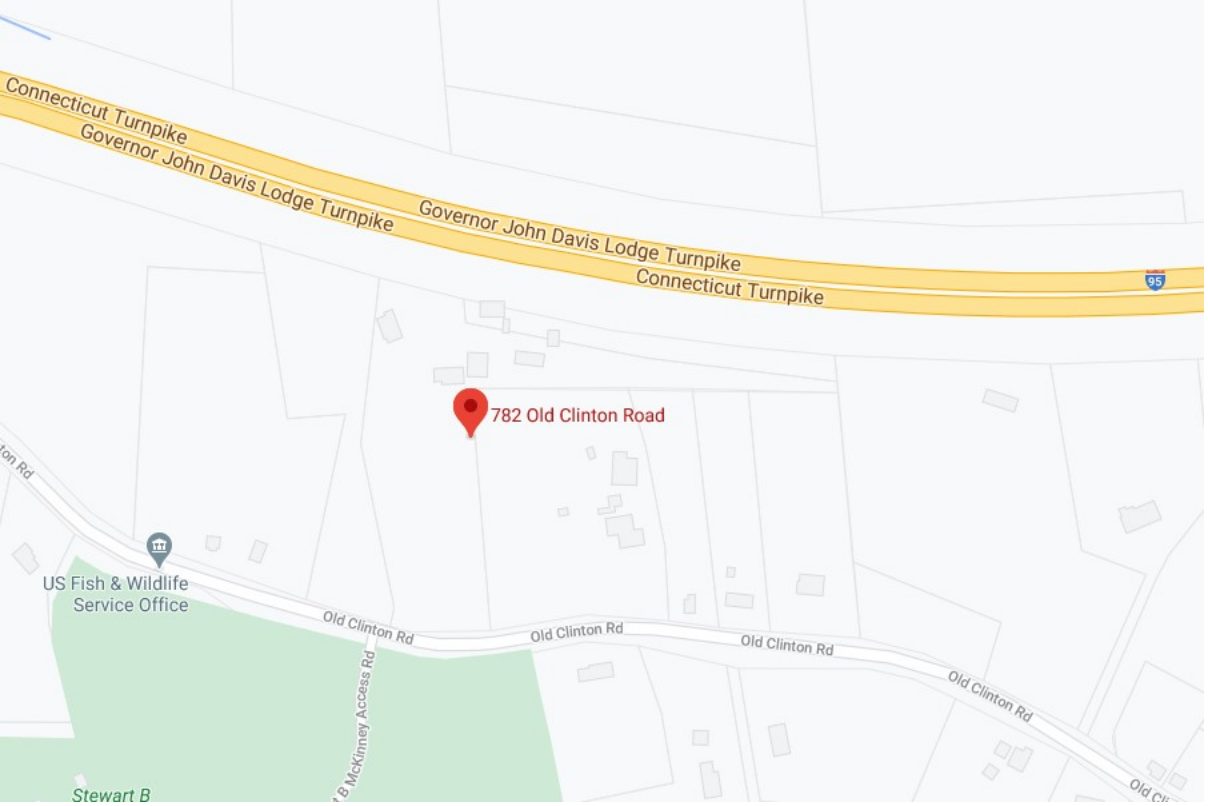

Connecticut Turnpike
Governor John Davis Lodge Turnpike
Governor John Davis Lodge Turnpike
Connecticut Turnpike
95
782 Old Clinton Road
US Fish & Wildlife Service Office
Old Clinton Rd
Old Clinton Rd
Old Clinton Rd
Old Clinton Rd
B McKinney Access Rd
Stewart B

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 325100
VERIZON SITE NAME: WESTBROOK 2 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 160'-0"

BUSINESS UNIT #: 876339
SITE ADDRESS: 782 OLD CLINTON ROAD WESTBROOK, CT 06498
COUNTY: MIDDLESEX
JURISDICTION: TOWN OF WESTBROOK

VERIZON 5G L-SUB6 - CARRIER ADD / FUZE ID: 16244183

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	POND MEADOW RD. STABLE
SITE ADDRESS:	782 OLD CLINTON ROAD WESTBROOK, CT 06498
COUNTY:	MIDDLESEX
MAP/PARCEL #:	169/00/018
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 17' 25.70" N
LONGITUDE:	72° 28' 7.90" W
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	----
CURRENT ZONING:	RR
ZONING JURISDICTION:	CONNECTICUT SITING COUNCIL
JURISDICTION:	TOWN OF WESTBROOK
OCCUPANCY CLASSIFICATION:	----
TYPE OF CONSTRUCTION:	----
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	WADE, CATHERINE A 782 OLD CLINTON RD WESTBROOK, CT 06498
TOWER OWNER:	CROWN CASTLE MU LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO (800) 286-2000
TELCO PROVIDER:	CROWN CASTLE FIBER (855) 913-4237

PROJECT TEAM

A&E FIRM:	TECTONIC ENGINEERING AND SURVEYING CONSULTANTS P.C. 1279 ROUTE 300 NEWBURGH, NY 12550 PHONE: (845) 567-6656
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NJ 07430 ---- - PROJECT MANAGER ---- ---- - CONSTRUCTION MANAGER ----

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	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	10039626
VzW LOCATION CODE (PSLC)	468781

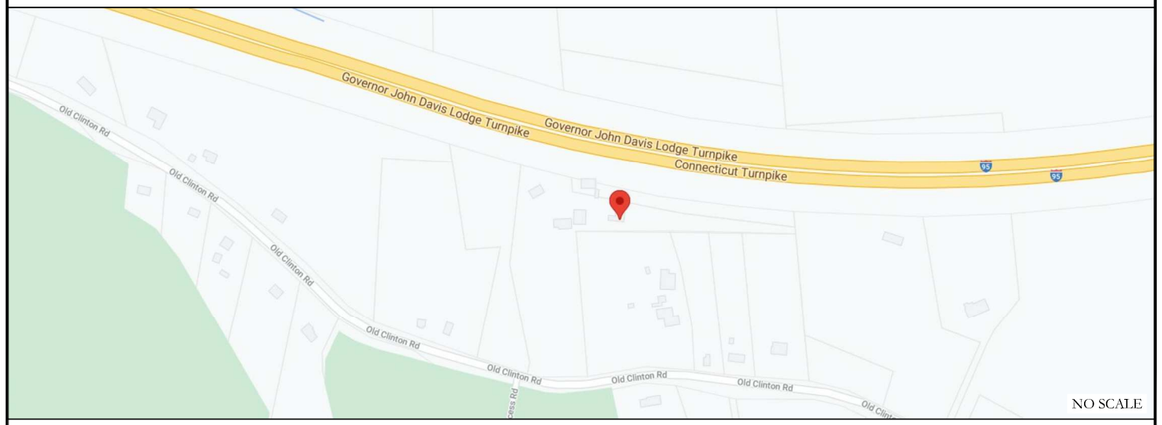
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



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

HEAD NORTHWEST. SLIGHT LEFT. TURN RIGHT ONTO US-202 N. TURN RIGHT ONTO SCHLEY MOUNTAIN RD. MERGE WITH I-287 N. ENTERING NEW YORK. TAKE THE I-87 S/NEW YORK STATE THRUWAY/I-287 EXIT TOWARD GOV MARIO M. CUOMO BR/NEW YORK CITY. MERGE WITH I-287 E/I-87 S. KEEP LEFT AT THE Y JUNCTION TO CONTINUE ON I-287 E, FOLLOW SIGNS FOR WHITE PLAINS/RYE. KEEP LEFT TO STAY ON I-287 E. MERGE WITH I-95 N. ENTERING CONNECTICUT. CONTINUE STRAIGHT TO STAY ON I-95 N. KEEP LEFT TO STAY ON I-95 N. KEEP LEFT TO STAY ON I-95 N. DESTINATION WILL BE ON THE RIGHT.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CT SBC
MECHANICAL	2018 CT SBC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	MASER CONSULTING (PASSING)
DATED:	06/11/21
RFDS REVISION:	0
DATED:	04/08/2021
ORDER ID:	552704
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:
- INSTALL (3) ANTENNAS

GROUND SCOPE OF WORK:
- NONE

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering & Surveying Consultants P.C.
P.O. Box 37 Phone: (845) 334-9588
Mountainville, NY 10953 (800) 520-3831
www.tectonicengineering.com
Project Context Info
1279 Route 300
Newburgh, NY 12550 Phone: (845) 567-6656
TECTONIC WO: 10545.WESTBROOK2CT

VERIZON SITE NUMBER:
325100

BU #: **876339**
POND MEADOW RD. STABLE

782 OLD CLINTON ROAD
WESTBROOK, CT 06498

EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/25/21	TJ	CONSTRUCTION	----

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

SHEET NUMBER:	REVISION:
T-1	A

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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1279 Route 300
Newburgh, NY 12550 Phone: (845) 567-6656
TECTONIC WO: 10545.WESTBROOK2CT

VERIZON SITE NUMBER:
325100

BU #: **876339**
POND MEADOW RD. STABLE

782 OLD CLINTON ROAD
WESTBROOK, CT 06498

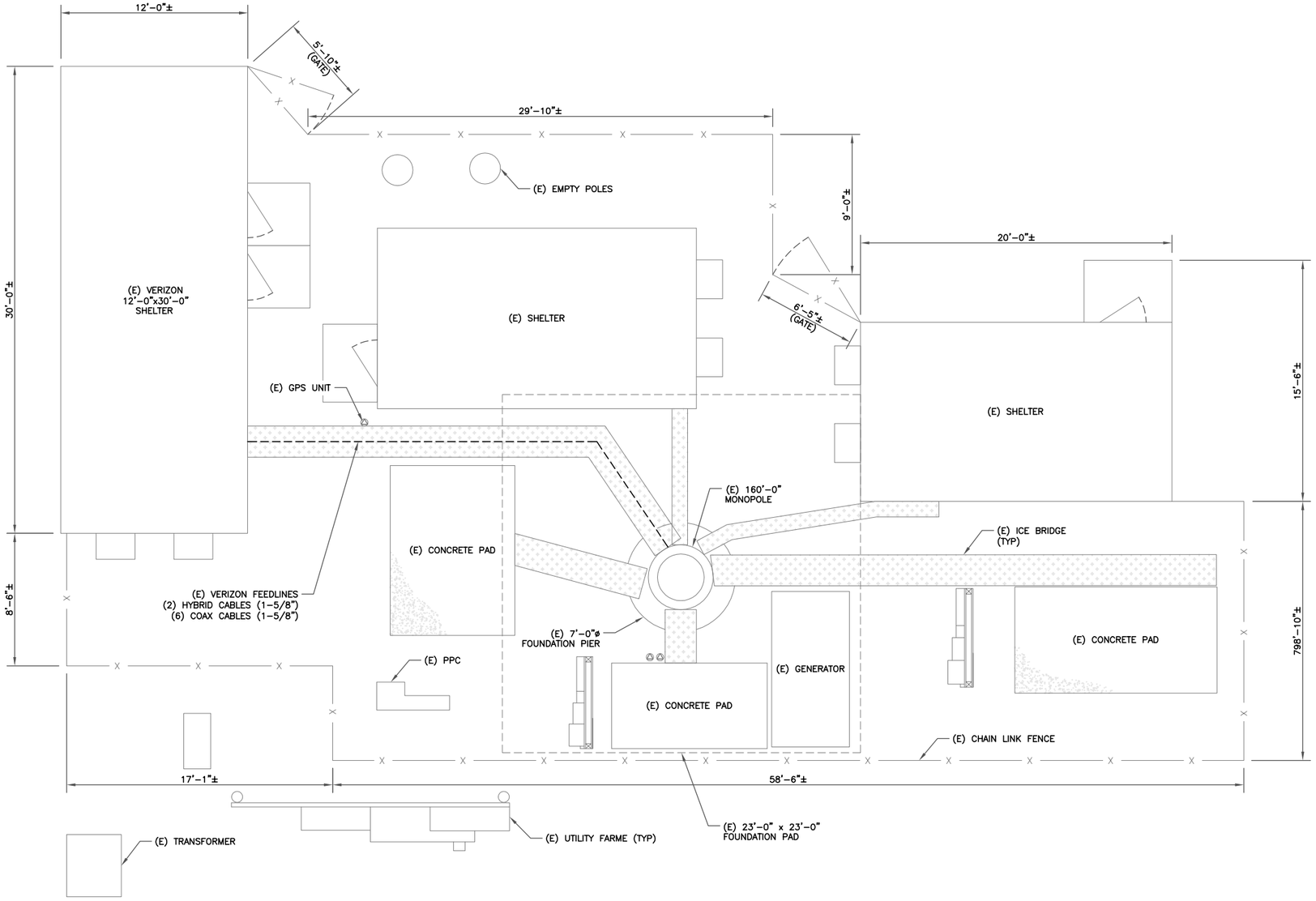
EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/25/21	IJ	CONSTRUCTION	----

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

SHEET NUMBER: T-2
REVISION: A



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

N

verizon
180 WASHINGTON VALLEY ROAD
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CROWN CASTLE
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VERIZON SITE NUMBER:
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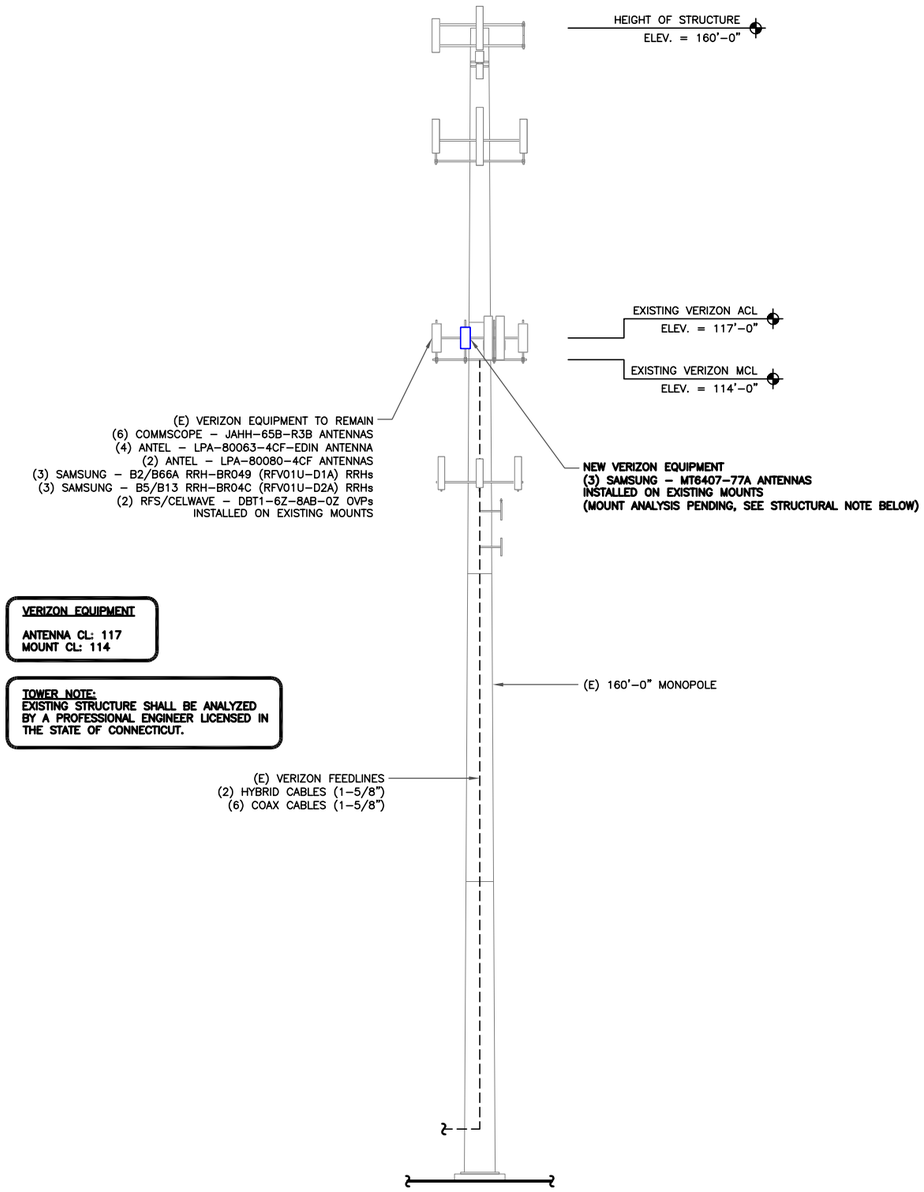
EXISTING 160'-0" MONOPOLE

ISSUED FOR:

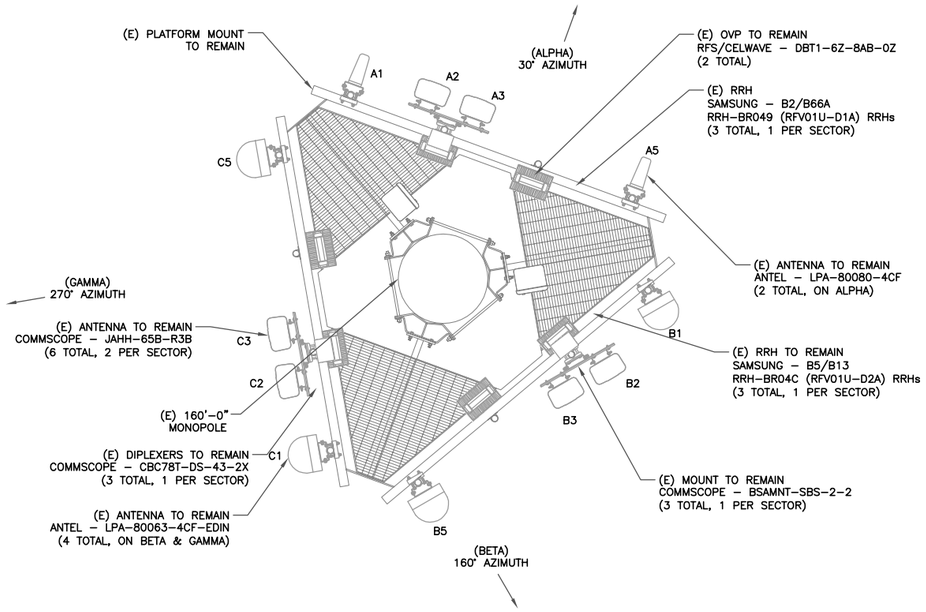
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/25/21	EJ	CONSTRUCTION	----

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

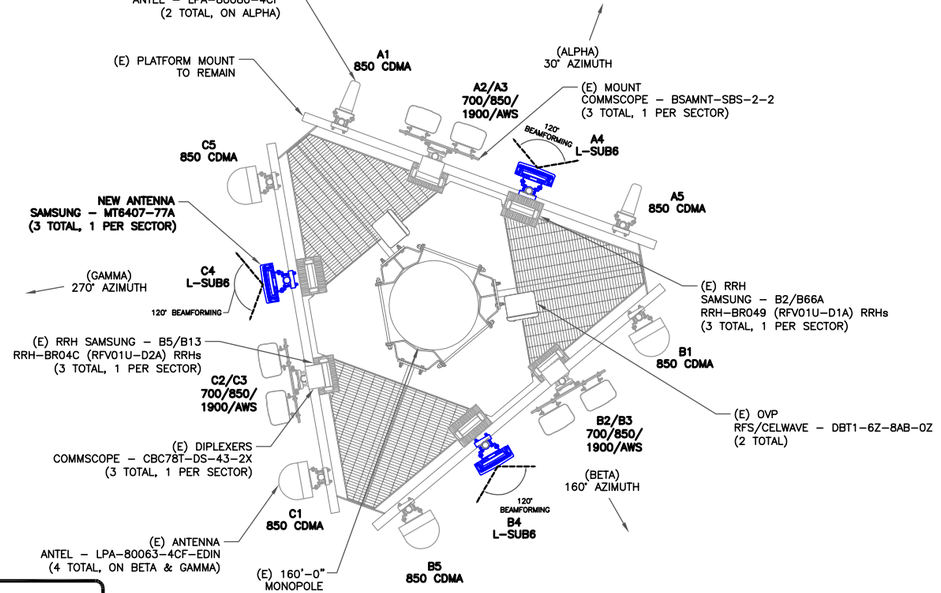
SHEET NUMBER: C-1
REVISION: A



1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



NOTE:
CONTRACTOR TO INSTALL NEW ANTENNA AND MAKE SURE CLEARANCES ARE MET PER MANUFACTURER'S RECOMMENDATION.

STRUCTURAL NOTE:
THE EXISTING MOUNTS ARE SUITABLE FOR THE PROPOSED INSTALLATION PER THE ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS PREPARED BY MASER CONSULTING DATED 06/11/21. PLEASE REFER TO THE ANALYSIS FOR MORE INFORMATION.

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

N

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TECTONIC WO: 10545.WESTBROOK2CT

VERIZON SITE NUMBER:
325100

BU #: **876339**
POND MEADOW RD. STABLE

782 OLD CLINTON ROAD
WESTBROOK, CT 06498

EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/25/21	IJ	CONSTRUCTION	----

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

SHEET NUMBER: C-2

REVISION: A

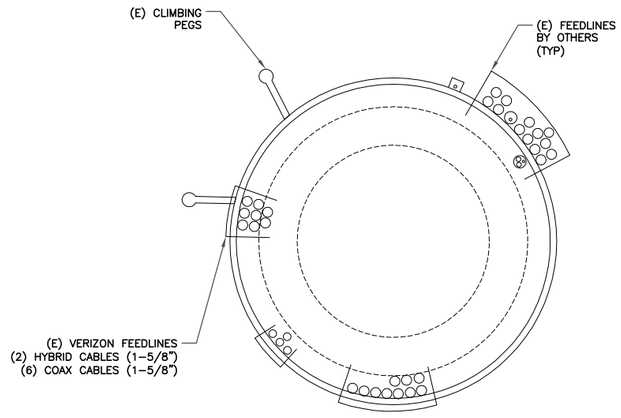
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-80080-4CF	117	30°	0°	0°	RFS/CELWAVE	(1) DB-T1-6Z-8AB-0Z
A2	EXISTING	COMMSCOPE	JAHH-65B-R3B	117	30°	0°	2°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
A3	EXISTING	COMMSCOPE	JAHH-65B-R3B	117	30°	0°	2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
A4	**NEW**	**SAMSUNG**	**MT6407-77A**	**117**	**30°**	**0°**	**6°**	–	–
A5	EXISTING	ANTEL	LPA-80080-4CF	117	30°	0°	0°	–	–
B1	EXISTING	ANTEL	LPA-80063-4CF-EDIN	117	160°	2°	4°	RFS/CELWAVE	(1) DB-T1-6Z-8AB-0Z
B2	EXISTING	COMMSCOPE	JAHH-65B-R3B	117	160°	0°	6°/12°/12°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
B3	EXISTING	COMMSCOPE	JAHH-65B-R3B	117	160°	0°	2°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
B4	**NEW**	**SAMSUNG**	**MT6407-77A**	**117**	**160°**	**0°**	**6°**	–	–
B5	EXISTING	ANTEL	LPA-80063-4CF-EDIN	117	160°	2°	4°	–	–
C1	EXISTING	ANTEL	LPA-80063-4CF-EDIN	117	270°	0°	4°	–	–
C2	EXISTING	COMMSCOPE	JAHH-65B-R3B	117	270°	0°	2°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
C3	EXISTING	COMMSCOPE	JAHH-65B-R3B	117	270°	0°	1°/1°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
C4	**NEW**	**SAMSUNG**	**MT6407-77A**	**117**	**270°**	**0°**	**6°**	–	–
C5	EXISTING	ANTEL	LPA-80063-4CF-EDIN	117	270°	0°	4°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	HYBRID	1-5/8"	167'-0"±	2
EXISTING	COAX	1-5/8"	167'-0"±	6
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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STABLE

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EXISTING 160'-0" MONOPOLE

ISSUED FOR:

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SHEET NUMBER: C-3
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1 NOT USED
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

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EXISTING 160'-0" MONOPOLE

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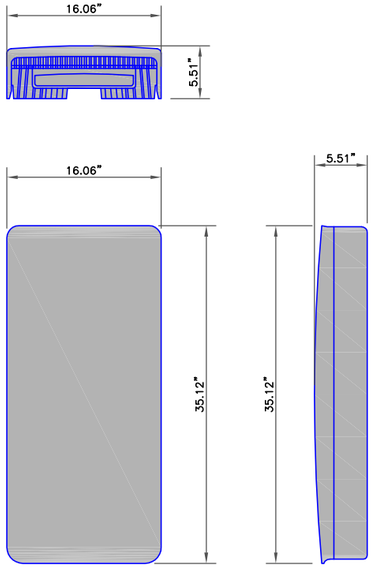
SHEET NUMBER: C-4

REVISION: A



SAMSUNG – MT6407–77A ANTENNA
WEIGHT(W/O EQUIPMENT): 87.1 LBS
SIZE (HXWXD): 35.12 X 16.06 X 5.51 IN.

1 SAMSUNG – MT6407–77A ANTENNA
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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WESTBROOK, CT 06498

EXISTING 160'-0" MONOPOLE

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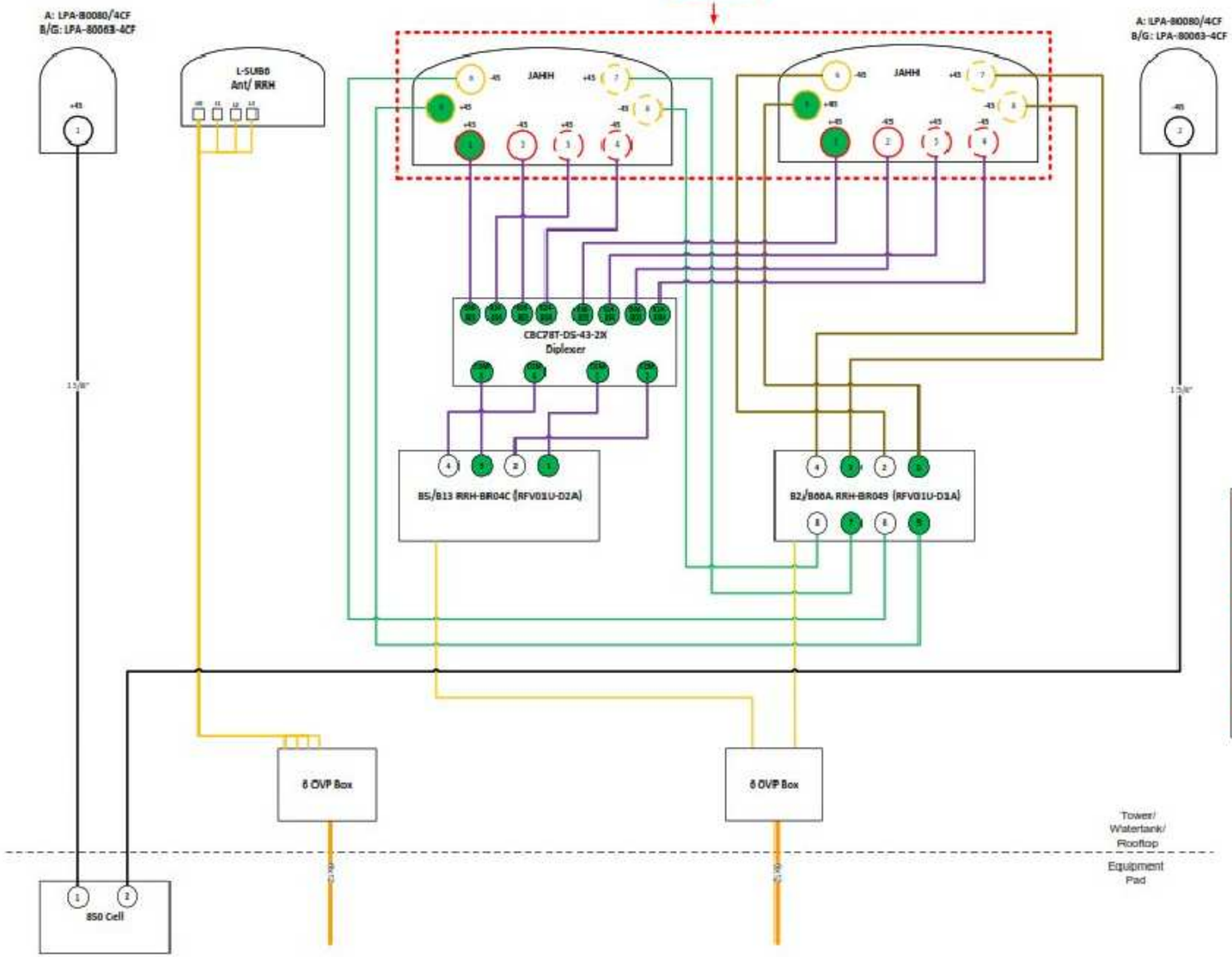
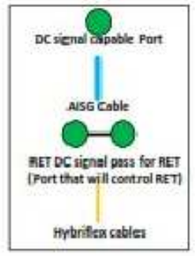
BSAMNT-SBS-2-2



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

- 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 IRET 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)

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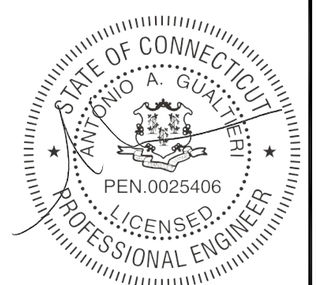
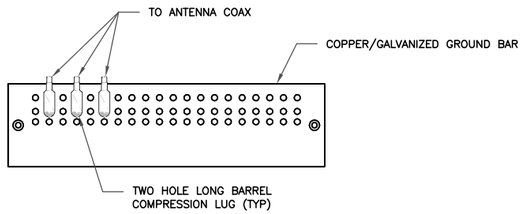


SHEET NUMBER: C-6

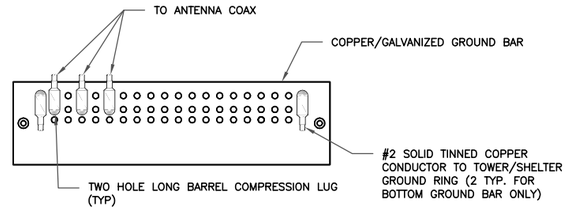
REVISION: A



NOTES:

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

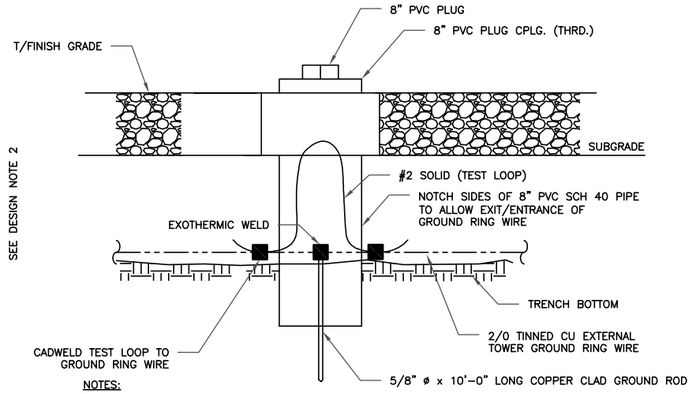
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

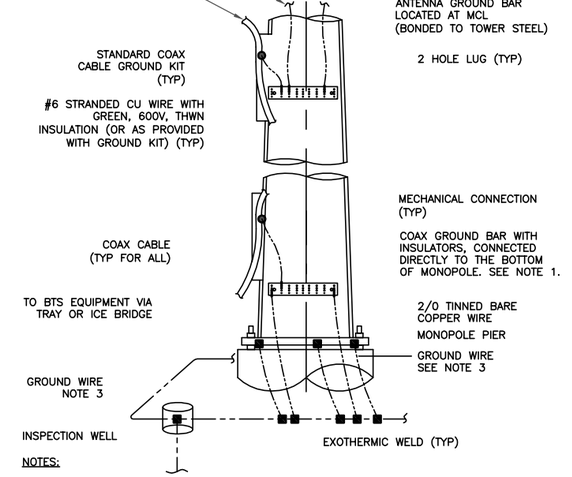
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

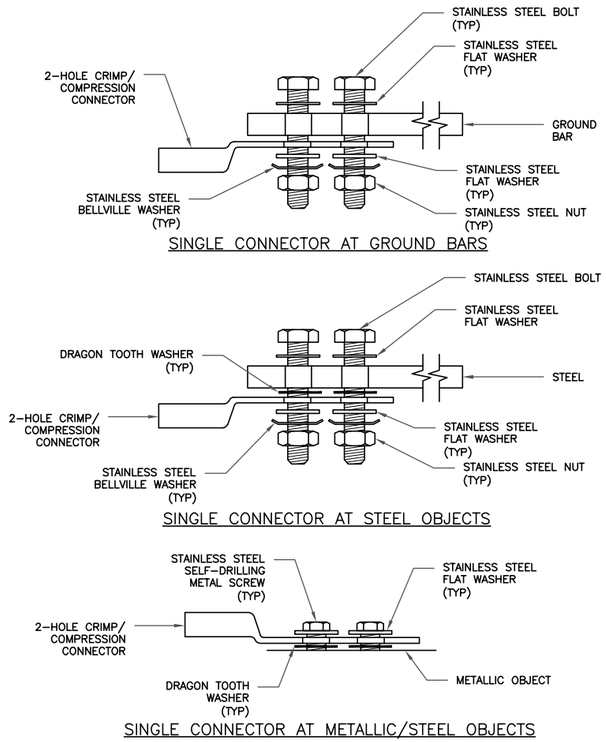
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



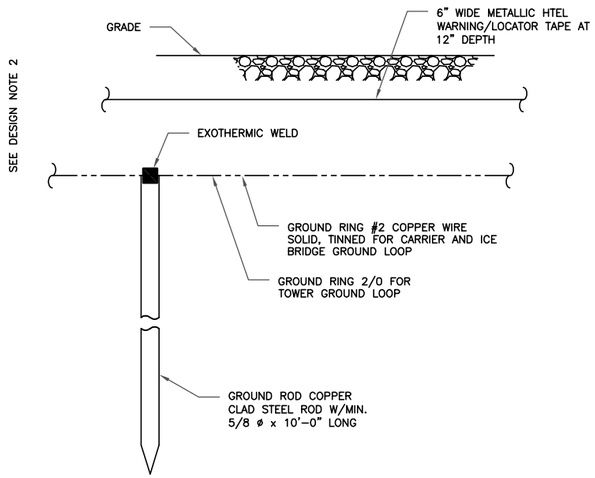
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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POND MEADOW RD. STABLE

782 OLD CLINTON ROAD
WESTBROOK, CT 06498

EXISTING 160'-0" MONOPOLE

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STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
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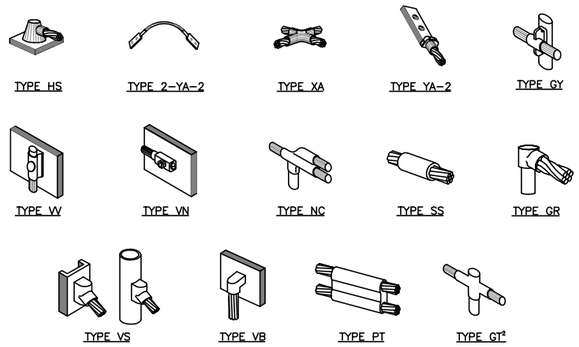
SHEET NUMBER: G-1
REVISION: A

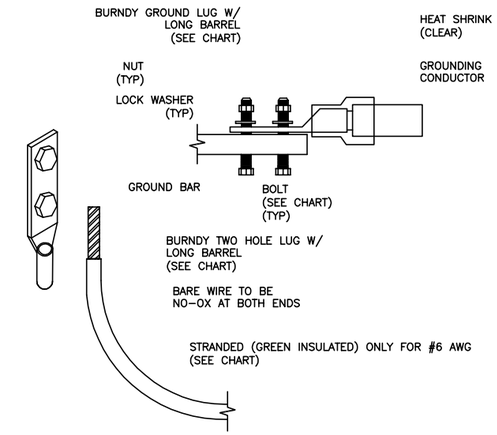


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

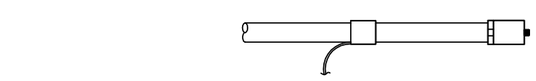
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

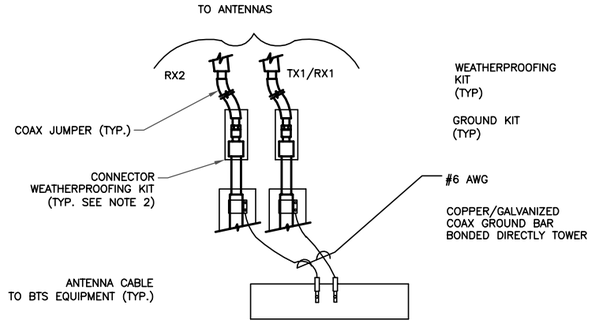
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

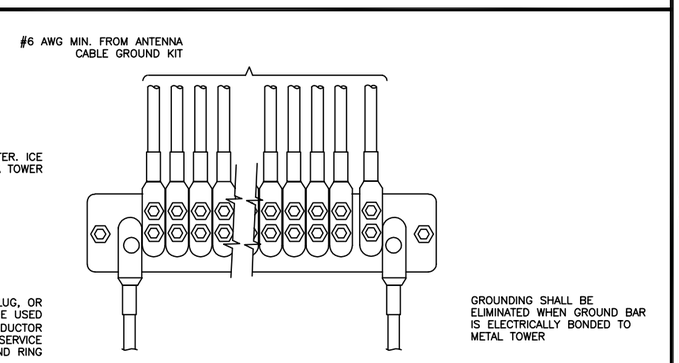
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



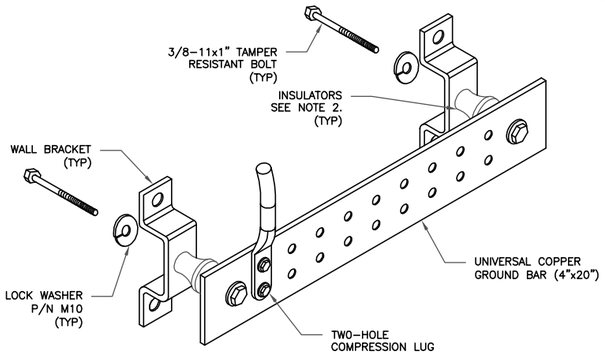
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



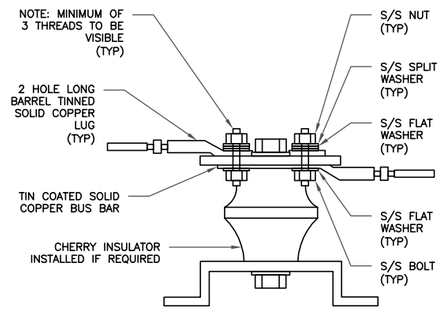
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



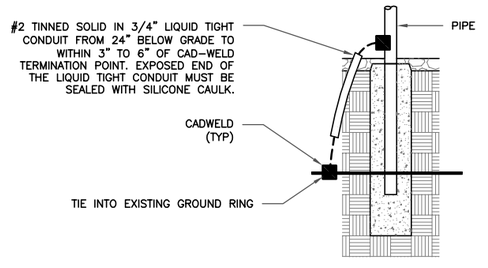
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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SHEET NUMBER: G-2
REVISION: A

Exhibit D

Structural Analysis Report

Date: **May 3, 2021**

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

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468781
	Site Name:	Westbrook 2 CT
Crown Castle Designation:	**BU Number:**	876339
	Site Name:	Pond Meadow Rd. Stable
	JDE Job Number:	644637
	Work Order Number:	1954117
	Order Number:	552704 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25580.534792
Site Data:	**782 Old Clinton Road, Westbrook, Middlesex County, CT 06498-1767** **Latitude *41° 17' 25.70"*, Longitude *-72° 28' 7.90"*** **160 Foot - Monopole Tower**	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity - 87.3%**

This analysis utilizes an ultimate 3-second gust wind speed of 135 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Gautam Sopal, E.I. / PHX

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

05/03/2021

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1) INTRODUCTION

This tower is a 160-ft monopole tower designed by Valmont. The tower has been modified multiple times in the past to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	135 mph
Exposure Category:	B
Topographic Factor:	1.0
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
116.0	117.0	1	Antel	LPA-80080/4CF w/ Mount Pipe	8	1-5/8
		6	Commscope	JAHH-65B-R3B w/ Mount Pipe		
		3	Samsung Telecom.	MT6407-77A w/ Mount Pipe		
		1	Antel	LPA-80080-4CF-EDIN-0 w/ Mount Pipe		
		4	Antel	LPA-80063-4CF-EDIN-5 w/ Mount Pipe		
		2	RFS Celwave	DB-T1-6Z-8AB-0Z		
		3	Commscope	CBC78T-DS-43-2X		
		3	Samsung Telecom.	RFV01U-D1A		
		6	Samsung Telecom.	RFV01U-D2A		
	116.0	1	Tower Mounts	Platform Mount [LP 303-1_HR-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)
159.0	160.0	2	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe	4	1-1/4
		1	RFS Celwave	APXV9ERR18-C-A20 w/ Mount Pipe		
		3	RFS Celwave	APXVTM14-C-120 w/ Mount Pipe		
		3	Alcatel Lucent	TD-RRH8x20-25		
	159.0	1	Tower Mounts	Platform Mount [LP 713-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
155.0	156.0	3	Alcatel Lucent	800MHZ 2X50W RRH w/Filter	-	-
	155.0	1	Tower Mounts	Side Arm Mount [SO 102-3]		
	154.0	3	Alcatel Lucent	PCS 1900MHZ 4X45W-65MHZ		
142.0	145.0	3	Ericsson	AIR 21 B2A B4P w/ Mount Pipe	10	1-5/8
		3	Ericsson	AIR 32 B2A B66AA w/ Mount Pipe		
		3	RFS Celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B12/B71		
	142.0	1	Tower Mounts	Platform Mount [LP 602-1_KCKR]		
132.0	132.0	3	JMA Wireless	MX08FRO665-20 w/ Mount Pipe	1	1-1/2
		3	Fujitsu	TA08025-B604		
		3	Fujitsu	TA08025-B605		
		1	Raycap	RDIDC-9181-PF-48		
		1	Tower Mounts	Platform Mount [LP 716-1]		
96.0	103.0	1	GPS	GPS_A	12 2 1 1	1-5/8 3/4 1/2 3/8
	98.0	3	KMW Comm.	AM-X-CD-14-65-00T-RET w/ Mount Pipe		
		6	Powerwave Technologies	7770.00 w/ Mount Pipe		
		6	Powerwave Technologies	TT19-08BP111-001		
		1	Raycap	DC6-48-60-18-8F		
		3	Ericsson	RRUS 12 B2		
		3	Ericsson	RRUS 11		
	96.0	1	Tower Mounts	T-Arm Mount [TA 602-3]		
92.0	93.0	1	Lucent	KS24019-L112A	1	1/2
	92.0	1	Tower Mounts	Side Arm Mount [SO 701-1]		
87.0	87.0	2	Tower Mounts	Side Arm Mount [SO 701-1]	-	-

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1532966	CCISites
Tower Foundation Drawings	1533020	CCISites
Tower Manufacturer Drawings	1531985	CCISites
Tower Reinforcement Drawings	2884023	CCISites
Post-Modification Inspection	2923975	CCISites
Tower Reinforcement Drawings	3366474	CCISites
Post-Modification Inspection	3633208	CCISites
Tower Reinforcement Drawings	3682464	CCISites
Post-Modification Inspection	3682462	CCISites
Tower Reinforcement Drawings	3678375	CCISites
Post-Modification Inspection	4023333	CCISites

3.1) Analysis Method

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

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

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP23.3x22.35x0.2188	Pole	3.8%	Pass
155 - 150	Pole	TP24.251x23.3x0.2188	Pole	8.5%	Pass
150 - 145	Pole	TP25.201x24.251x0.2188	Pole	13.1%	Pass
145 - 140	Pole	TP26.152x25.201x0.2188	Pole	20.6%	Pass
140 - 135	Pole	TP27.102x26.152x0.2188	Pole	28.4%	Pass
135 - 130	Pole	TP28.052x27.102x0.2188	Pole	37.0%	Pass
130 - 125	Pole	TP29.003x28.052x0.2188	Pole	46.1%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
125 - 122	Pole	TP30.46x29.003x0.2188	Pole	51.3%	Pass
122 - 117	Pole	TP30.085x29.135x0.2813	Pole	42.1%	Pass
117 - 112	Pole	TP31.035x30.085x0.2813	Pole	49.7%	Pass
112 - 107	Pole	TP31.985x31.035x0.2813	Pole	56.7%	Pass
107 - 102	Pole	TP32.935x31.985x0.2813	Pole	63.2%	Pass
102 - 97	Pole	TP33.885x32.935x0.2813	Pole	69.6%	Pass
97 - 95.83	Pole	TP34.107x33.885x0.2813	Pole	71.5%	Pass
95.83 - 95.58	Pole + Reinf.	TP34.155x34.107x0.3813	Reinf. 8 Tension Rupture	60.9%	Pass
95.58 - 90.58	Pole + Reinf.	TP35.105x34.155x0.3813	Reinf. 8 Tension Rupture	66.8%	Pass
90.58 - 89.83	Pole + Reinf.	TP35.247x35.105x0.375	Reinf. 8 Tension Rupture	67.7%	Pass
89.83 - 89.58	Pole	TP35.295x35.247x0.2813	Pole	80.6%	Pass
89.58 - 88	Pole	TP36.64x35.295x0.2813	Pole	82.8%	Pass
88 - 81.5	Pole	TP36.266x35.033x0.375	Pole	62.5%	Pass
81.5 - 76.5	Pole	TP37.215x36.266x0.375	Pole	66.6%	Pass
76.5 - 74.25	Pole	TP37.642x37.215x0.375	Pole	68.4%	Pass
74.25 - 74	Pole + Reinf.	TP37.689x37.642x0.4875	Reinf. 5 Tension Rupture	64.5%	Pass
74 - 69	Pole + Reinf.	TP38.638x37.689x0.4813	Reinf. 5 Tension Rupture	67.8%	Pass
69 - 64	Pole + Reinf.	TP39.587x38.638x0.475	Reinf. 5 Tension Rupture	70.9%	Pass
64 - 59	Pole + Reinf.	TP40.535x39.587x0.475	Reinf. 5 Tension Rupture	73.7%	Pass
59 - 55.75	Pole + Reinf.	TP41.152x40.535x0.475	Reinf. 5 Tension Rupture	75.5%	Pass
55.75 - 55.5	Pole + Reinf.	TP41.2x41.152x0.6375	Reinf. 4 Tension Rupture	71.0%	Pass
55.5 - 50.5	Pole + Reinf.	TP42.148x41.2x0.6375	Reinf. 4 Tension Rupture	73.7%	Pass
50.5 - 47.75	Pole + Reinf.	TP42.67x42.148x0.6375	Reinf. 4 Tension Rupture	75.2%	Pass
47.75 - 47.5	Pole	TP42.718x42.67x0.375	Pole	87.0%	Pass
47.5 - 47	Pole	TP44.03x42.718x0.375	Pole	87.3%	Pass
47 - 39.58	Pole + Reinf.	TP43.473x42.062x0.7	Reinf. 7 Compression	76.7%	Pass
39.58 - 34.58	Pole + Reinf.	TP44.424x43.473x0.7	Reinf. 7 Compression	78.9%	Pass
34.58 - 30.75	Pole + Reinf.	TP45.153x44.424x0.6875	Reinf. 7 Compression	80.5%	Pass
30.75 - 30.5	Pole	TP45.2x45.153x0.4375	Pole	79.9%	Pass
30.5 - 29	Pole	TP45.485x45.2x0.4375	Pole	80.5%	Pass
29 - 28.75	Pole + Reinf.	TP45.533x45.485x0.6375	Reinf. 2 Tension Rupture	77.9%	Pass
28.75 - 23.75	Pole + Reinf.	TP46.484x45.533x0.625	Reinf. 2 Tension Rupture	79.6%	Pass
23.75 - 18.75	Pole + Reinf.	TP47.434x46.484x0.625	Reinf. 2 Tension Rupture	81.2%	Pass
18.75 - 13.75	Pole + Reinf.	TP48.385x47.434x0.625	Reinf. 2 Tension Rupture	82.7%	Pass
13.75 - 13	Pole + Reinf.	TP48.528x48.385x0.625	Reinf. 2 Tension Rupture	82.9%	Pass
13 - 12.75	Pole + Reinf.	TP48.575x48.528x0.7125	Reinf. 2 Tension Rupture	73.5%	Pass
12.75 - 8.25	Pole + Reinf.	TP49.431x48.575x0.7125	Reinf. 2 Tension Rupture	74.7%	Pass
8.25 - 8	Pole + Reinf.	TP49.479x49.431x0.6625	Reinf. 6 Tension Rupture	80.0%	Pass
8 - 3	Pole + Reinf.	TP50.43x49.479x0.6625	Reinf. 6 Tension Rupture	81.4%	Pass
3 - 0	Pole + Reinf.	TP51x50.43x0.65	Reinf. 6 Tension Rupture	82.1%	Pass
				Summary	
			Pole	87.3%	Pass
			Reinforcement	82.9%	Pass
			Overall	**87.3%**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	57.5	Pass
1,2	Base Plate	-	36.6	Pass
1,2	Base Foundation Soil Interaction	-	74.1	Pass
1,2	Base Foundation Structural	-	51.2	Pass

Structure Rating (max from all components) =	87.3%

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

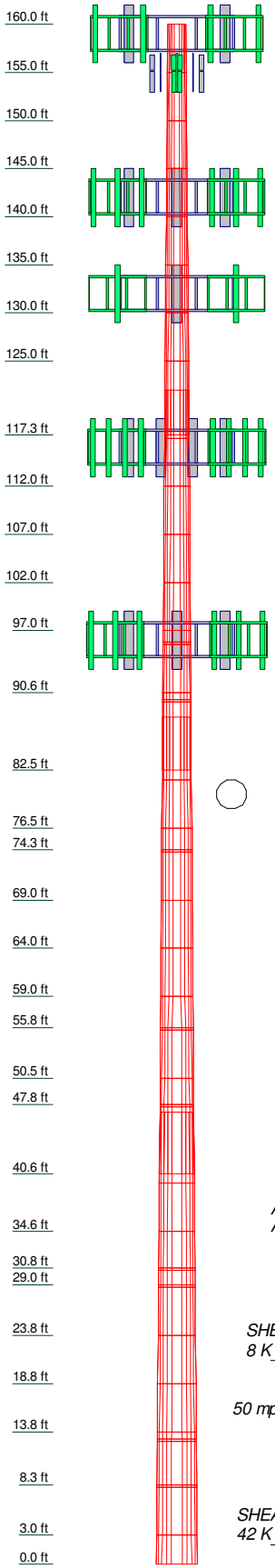
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Length (ft)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.00
Number of Sides	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Thickness (in)	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.375	0.375	0.375	0.375	0.475	0.475	0.475	0.475	0.475	0.475	0.625	0.625	0.625	0.700	0.700	0.700	0.700	0.700	0.700	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.650
Socket Length (ft)								4.67											5.50											6.42																			
Top Dia (in)	22.350	23.300	24.251	25.201	26.152	27.102	28.052	29.003	29.953	30.903	31.035	31.985	32.935	33.885	34.835	35.785	36.735	37.685	38.635	39.585	40.535	41.485	42.435	43.385	44.335	45.285	46.235	47.185	48.135	49.085	50.035	50.985	51.935	52.885	53.835	54.785	55.735	56.685	57.635	58.585	59.535	60.485	61.435	62.385	63.335	64.285	65.235
Bot Dia (in)	23.300	24.251	25.201	26.152	27.102	28.052	29.003	29.953	30.903	31.035	31.985	32.935	33.885	34.835	35.785	36.735	37.685	38.635	39.587	40.535	41.485	42.435	43.385	44.335	45.285	46.235	47.185	48.135	49.085	50.035	50.985	51.935	52.885	53.835	54.785	55.735	56.685	57.635	58.585	59.535	60.485	61.435	62.385	63.335	64.285	65.235	66.185
Grade	A572-65																																															
Weight (K)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.8	0.1	0.8	0.8	0.9	0.7	0.3	0.3	1.0	1.0	1.0	0.7	1.4	0.8	1.2	2.3	1.6	1.2	0.1	0.1	1.5	1.6	0.2	1.7	0.1	1.9	0.1	1.2	0.2	1.5	1.2	31.7



ALL REACTIONS ARE FACTORED

AXIAL 104 K

SHEAR 8 K *MOMENT 875 kip-ft*

TORQUE 0 kip-ft
50 mph WIND - 1.500 in ICE

AXIAL 63 K

SHEAR 42 K *MOMENT 4480 kip-ft*

TORQUE 1 kip-ft
REACTIONS - 135 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 135 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Equivalent Thickness Model
9. TOWER RATING: 87.3%

Tower Engineering Professionals

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: **Pond Meadow Rd. Stable (BU 876339)**			
Project: ***TEP No. 25580.534792***			
Client: Crown Castle	Drawn by: JDB	App'd:	
Code: TIA-222-H	Date: 05/03/21	Scale: NTS	
Path: C:\Work in Progress (SA)\876339_Pond Meadow Rd. Stable\Add Calcs\EQT.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 Middlesex County, Connecticut.
Tower base elevation above sea level: 95.00 ft.
Basic wind speed of 135 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Equivalent Thickness Model.
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	160.00-155.00	5.00	0.000	12	22.350	23.300	0.219	0.875	A572-65 (65 ksi)
L2	155.00-150.00	5.00	0.000	12	23.300	24.251	0.219	0.875	A572-65 (65 ksi)
L3	150.00-145.00	5.00	0.000	12	24.251	25.201	0.219	0.875	A572-65 (65 ksi)
L4	145.00-140.00	5.00	0.000	12	25.201	26.152	0.219	0.875	A572-65 (65 ksi)
L5	140.00-135.00	5.00	0.000	12	26.152	27.102	0.219	0.875	A572-65 (65 ksi)
L6	135.00-130.00	5.00	0.000	12	27.102	28.052	0.219	0.875	A572-65 (65 ksi)
L7	130.00-125.00	5.00	0.000	12	28.052	29.003	0.219	0.875	A572-65 (65 ksi)
L8	125.00-117.33	7.67	4.667	12	29.003	30.460	0.219	0.875	A572-65 (65 ksi)
L9	117.33-117.00	5.00	0.000	12	29.135	30.085	0.281	1.125	A572-65 (65 ksi)
L10	117.00-112.00	5.00	0.000	12	30.085	31.035	0.281	1.125	A572-65 (65 ksi)
L11	112.00-107.00	5.00	0.000	12	31.035	31.985	0.281	1.125	A572-65 (65 ksi)
L12	107.00-102.00	5.00	0.000	12	31.985	32.935	0.281	1.125	A572-65 (65 ksi)
L13	102.00-97.00	5.00	0.000	12	32.935	33.885	0.281	1.125	A572-65 (65 ksi)
L14	97.00-95.83	1.17	0.000	12	33.885	34.107	0.281	1.125	A572-65 (65 ksi)
L15	95.83-95.58	0.25	0.000	12	34.107	34.155	0.381	1.525	A572-65 (65 ksi)
L16	95.58-90.58	5.00	0.000	12	34.155	35.105	0.381	1.525	A572-65 (65 ksi)
L17	90.58-89.83	0.75	0.000	12	35.105	35.247	0.375	1.500	A572-65 (65 ksi)
L18	89.83-89.58	0.25	0.000	12	35.247	35.295	0.281	1.125	A572-65 (65 ksi)
L19	89.58-82.50	7.08	5.500	12	35.295	36.640	0.281	1.125	A572-65 (65 ksi)
L20	82.50-81.50	6.50	0.000	12	35.033	36.266	0.375	1.500	A572-65 (65 ksi)
L21	81.50-76.50	5.00	0.000	12	36.266	37.215	0.375	1.500	A572-65 (65 ksi)
L22	76.50-74.25	2.25	0.000	12	37.215	37.642	0.375	1.500	A572-65 (65 ksi)
L23	74.25-74.00	0.25	0.000	12	37.642	37.689	0.487	1.950	A572-65 (65 ksi)
L24	74.00-69.00	5.00	0.000	12	37.689	38.638	0.481	1.925	A572-65 (65 ksi)
L25	69.00-64.00	5.00	0.000	12	38.638	39.587	0.475	1.900	A572-65 (65 ksi)
L26	64.00-59.00	5.00	0.000	12	39.587	40.535	0.475	1.900	A572-65 (65 ksi)
L27	59.00-55.75	3.25	0.000	12	40.535	41.152	0.475	1.900	A572-65 (65 ksi)
L28	55.75-55.50	0.25	0.000	12	41.152	41.200	0.637	2.550	A572-65 (65 ksi)
L29	55.50-50.50	5.00	0.000	12	41.200	42.148	0.637	2.550	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
L30	50.50-47.75	2.75	0.000	12	42.148	42.670	0.637	2.550	A572-65 (65 ksi)
L31	47.75-47.50	0.25	0.000	12	42.670	42.718	0.375	1.500	A572-65 (65 ksi)
L32	47.50-40.58	6.92	6.417	12	42.718	44.030	0.375	1.500	A572-65 (65 ksi)
L33	40.58-39.58	7.42	0.000	12	42.062	43.473	0.700	2.800	A572-65 (65 ksi)
L34	39.58-34.58	5.00	0.000	12	43.473	44.424	0.700	2.800	A572-65 (65 ksi)
L35	34.58-30.75	3.83	0.000	12	44.424	45.153	0.688	2.750	A572-65 (65 ksi)
L36	30.75-30.50	0.25	0.000	12	45.153	45.200	0.438	1.750	A572-65 (65 ksi)
L37	30.50-29.00	1.50	0.000	12	45.200	45.485	0.438	1.750	A572-65 (65 ksi)
L38	29.00-28.75	0.25	0.000	12	45.485	45.533	0.637	2.550	A572-65 (65 ksi)
L39	28.75-23.75	5.00	0.000	12	45.533	46.484	0.625	2.500	A572-65 (65 ksi)
L40	23.75-18.75	5.00	0.000	12	46.484	47.434	0.625	2.500	A572-65 (65 ksi)
L41	18.75-13.75	5.00	0.000	12	47.434	48.385	0.625	2.500	A572-65 (65 ksi)
L42	13.75-13.00	0.75	0.000	12	48.385	48.528	0.625	2.500	A572-65 (65 ksi)
L43	13.00-12.75	0.25	0.000	12	48.528	48.575	0.713	2.850	A572-65 (65 ksi)
L44	12.75-8.25	4.50	0.000	12	48.575	49.431	0.713	2.850	A572-65 (65 ksi)
L45	8.25-8.00	0.25	0.000	12	49.431	49.479	0.662	2.650	A572-65 (65 ksi)
L46	8.00-3.00	5.00	0.000	12	49.479	50.430	0.662	2.650	A572-65 (65 ksi)
L47	3.00-0.00	3.00		12	50.430	51.000	0.650	2.600	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	23.061	15.589	974.558	7.923	11.577	84.178	1974.719	7.672	5.404	24.702
	24.045	16.258	1105.579	8.263	12.070	91.600	2240.203	8.002	5.658	25.866
L2	24.045	16.258	1105.579	8.263	12.070	91.600	2240.203	8.002	5.658	25.866
	25.029	16.928	1247.847	8.603	12.562	99.336	2528.476	8.331	5.913	27.031
L3	25.029	16.928	1247.847	8.603	12.562	99.336	2528.476	8.331	5.913	27.031
	26.013	17.597	1401.824	8.944	13.054	107.385	2840.475	8.661	6.168	28.195
L4	26.013	17.597	1401.824	8.944	13.054	107.385	2840.475	8.661	6.168	28.195
	26.997	18.266	1567.973	9.284	13.547	115.747	3177.139	8.990	6.422	29.359
L5	26.997	18.266	1567.973	9.284	13.547	115.747	3177.139	8.990	6.422	29.359
	27.981	18.936	1746.758	9.624	14.039	124.424	3539.405	9.320	6.677	30.524
L6	27.981	18.936	1746.758	9.624	14.039	124.424	3539.405	9.320	6.677	30.524
	28.965	19.605	1938.642	9.964	14.531	133.413	3928.213	9.649	6.932	31.688
L7	28.965	19.605	1938.642	9.964	14.531	133.413	3928.213	9.649	6.932	31.688
	29.949	20.275	2144.087	10.305	15.023	142.716	4344.501	9.979	7.186	32.852
L8	29.949	20.275	2144.087	10.305	15.023	142.716	4344.501	9.979	7.186	32.852

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
	31.457	21.301	2486.504	10.826	15.778	157.590	5038.330	10.484	7.577	34.638
L9	30.982	26.131	2776.912	10.330	15.092	183.997	5626.776	12.861	7.055	25.083
	31.047	26.991	3060.305	10.670	15.584	196.372	6201.008	13.284	7.309	25.988
L10	31.047	26.991	3060.305	10.670	15.584	196.372	6201.008	13.284	7.309	25.988
	32.031	27.852	3362.353	11.010	16.076	209.150	6813.038	13.708	7.564	26.893
L11	32.031	27.852	3362.353	11.010	16.076	209.150	6813.038	13.708	7.564	26.893
	33.014	28.712	3683.647	11.350	16.568	222.330	7464.068	14.131	7.818	27.798
L12	33.014	28.712	3683.647	11.350	16.568	222.330	7464.068	14.131	7.818	27.798
	33.998	29.572	4024.785	11.690	17.060	235.913	8155.305	14.555	8.073	28.704
L13	33.998	29.572	4024.785	11.690	17.060	235.913	8155.305	14.555	8.073	28.704
	34.981	30.433	4386.359	12.030	17.553	249.899	8887.953	14.978	8.327	29.609
L14	34.981	30.433	4386.359	12.030	17.553	249.899	8887.953	14.978	8.327	29.609
	35.211	30.634	4473.982	12.110	17.668	253.230	9065.500	15.077	8.387	29.821
L15	35.176	41.403	6011.103	12.074	17.668	340.232	12180.124	20.377	8.119	21.296
	35.225	41.461	6036.535	12.091	17.692	341.196	12231.657	20.406	8.132	21.329
L16	35.225	41.461	6036.535	12.091	17.692	341.196	12231.657	20.406	8.132	21.329
	36.209	42.628	6560.359	12.431	18.184	360.770	13293.065	20.980	8.386	21.997
L17	36.211	41.936	6456.297	12.433	18.184	355.047	13082.208	20.640	8.403	22.408
	36.358	42.108	6536.091	12.484	18.258	357.982	13243.892	20.724	8.441	22.51
L18	36.392	31.666	4941.710	12.518	18.258	270.658	10013.245	15.585	8.693	30.907
	36.441	31.709	4961.876	12.535	18.283	271.397	10054.105	15.606	8.705	30.952
L19	36.441	31.709	4961.876	12.535	18.283	271.397	10054.105	15.606	8.705	30.952
	37.833	32.927	5555.987	13.016	18.980	292.736	11257.935	16.206	9.066	32.234
L20	37.217	41.849	6416.042	12.407	18.147	353.562	13000.641	20.597	8.384	22.357
	37.413	43.338	7125.710	12.849	18.786	379.314	14438.621	21.330	8.714	23.238
L21	37.413	43.338	7125.710	12.849	18.786	379.314	14438.621	21.330	8.714	23.238
	38.395	44.484	7705.875	13.189	19.277	399.740	15614.192	21.894	8.969	23.916
L22	38.395	44.484	7705.875	13.189	19.277	399.740	15614.192	21.894	8.969	23.916
	38.837	44.999	7976.907	13.341	19.498	409.106	16163.376	22.147	9.083	24.221
L23	38.798	58.323	10276.348	13.301	19.498	527.036	20822.668	28.705	8.781	18.013
	38.847	58.397	10315.761	13.318	19.523	528.391	20902.528	28.741	8.794	18.039
L24	38.849	57.658	10188.641	13.320	19.523	521.880	20644.949	28.378	8.811	18.308
	39.831	59.128	10988.084	13.660	20.014	549.009	22264.836	29.101	9.065	18.837
L25	39.833	58.370	10850.711	13.662	20.014	542.145	21986.483	28.728	9.082	19.12
	40.816	59.821	11680.272	14.002	20.506	569.606	23667.398	29.442	9.336	19.655
L26	40.816	59.821	11680.272	14.002	20.506	569.606	23667.398	29.442	9.336	19.655
	41.798	61.272	12551.072	14.342	20.997	597.746	25431.874	30.156	9.590	20.19
L27	41.798	61.272	12551.072	14.342	20.997	597.746	25431.874	30.156	9.590	20.19
	42.436	62.216	13139.680	14.562	21.317	616.401	26624.554	30.621	9.756	20.538
L28	42.379	83.166	17424.330	14.504	21.317	817.400	35306.416	40.932	9.320	14.62
	42.428	83.264	17485.607	14.521	21.341	819.330	35430.581	40.980	9.333	14.64
L29	42.428	83.264	17485.607	14.521	21.341	819.330	35430.581	40.980	9.333	14.64
	43.410	85.211	18741.517	14.861	21.833	858.411	37975.395	41.938	9.587	15.039
L30	43.410	85.211	18741.517	14.861	21.833	858.411	37975.395	41.938	9.587	15.039
	43.950	86.282	19457.221	15.048	22.103	880.293	39425.605	42.466	9.727	15.258
L31	44.043	51.071	11661.201	15.142	22.103	527.582	23628.755	25.136	10.431	27.815
	44.092	51.129	11700.483	15.159	22.128	528.771	23708.350	25.164	10.443	27.849
L32	44.092	51.129	11700.483	15.159	22.128	528.771	23708.350	25.164	10.443	27.849
	45.451	52.713	12822.570	15.628	22.808	562.207	25982.003	25.944	10.795	28.787
L33	44.563	93.231	20359.051	14.808	21.788	934.402	41252.958	45.885	9.397	13.424
	44.759	96.410	22513.471	15.313	22.519	999.759	45618.396	47.450	9.775	13.964
L34	44.759	96.410	22513.471	15.313	22.519	999.759	45618.396	47.450	9.775	13.964
	45.744	98.553	24048.465	15.653	23.011	1045.067	48728.710	48.505	10.030	14.328
L35	45.748	96.821	23639.291	15.658	23.011	1027.285	47899.613	47.652	10.063	14.637
	46.503	98.434	24841.083	15.918	23.389	1062.083	50334.768	48.446	10.258	14.921
L36	46.591	62.992	16076.099	16.008	23.389	687.335	32574.536	31.003	10.928	24.979
	46.640	63.059	16127.430	16.025	23.414	688.805	32678.545	31.036	10.941	25.008
L37	46.640	63.059	16127.430	16.025	23.414	688.805	32678.545	31.036	10.941	25.008
	46.936	63.461	16437.706	16.127	23.561	697.654	33307.250	31.234	11.018	25.183
L38	46.865	92.061	23634.479	16.056	23.561	1003.102	47889.861	45.310	10.482	16.442
	46.914	92.159	23709.719	16.073	23.586	1005.244	48042.318	45.358	10.494	16.462
L39	46.919	90.377	23264.243	16.077	23.586	986.357	47139.664	44.481	10.528	16.844

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
	47.903	92.291	24773.429	16.417	24.079	1028.859	50197.684	45.423	10.783	17.252
L40	47.903	92.291	24773.429	16.417	24.079	1028.859	50197.684	45.423	10.783	17.252
	48.887	94.204	26346.512	16.758	24.571	1072.258	53385.176	46.364	11.037	17.66
L41	48.887	94.204	26346.512	16.758	24.571	1072.258	53385.176	46.364	11.037	17.66
	49.872	96.118	27984.816	17.098	25.064	1116.553	56704.825	47.306	11.292	18.068
L42	49.872	96.118	27984.816	17.098	25.064	1116.553	56704.825	47.306	11.292	18.068
	50.019	96.405	28236.269	17.149	25.137	1123.275	57214.337	47.447	11.330	18.129
L43	49.988	109.700	32013.277	17.118	25.137	1273.529	64867.578	53.991	11.096	15.573
	50.038	109.810	32108.859	17.135	25.162	1276.081	65061.254	54.045	11.109	15.591
L44	50.038	109.810	32108.859	17.135	25.162	1276.081	65061.254	54.045	11.109	15.591
	50.924	111.773	33862.025	17.441	25.605	1322.459	68613.643	55.011	11.338	15.913
L45	50.941	104.036	31582.784	17.459	25.605	1233.445	63995.282	51.203	11.472	17.316
	50.990	104.137	31675.236	17.476	25.630	1235.867	64182.615	51.253	11.485	17.336
L46	50.990	104.137	31675.236	17.476	25.630	1235.867	64182.615	51.253	11.485	17.336
	51.975	106.165	33562.361	17.817	26.122	1284.807	68006.443	52.251	11.740	17.72
L47	51.979	104.189	32953.928	17.821	26.122	1261.516	66773.592	51.278	11.773	18.112
	52.570	105.383	34099.939	18.025	26.418	1290.784	69095.722	51.866	11.926	18.348

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 160.00-155.00				1	1	1			
L2 155.00-150.00				1	1	1			
L3 150.00-145.00				1	1	1			
L4 145.00-140.00				1	1	1			
L5 140.00-135.00				1	1	1			
L6 135.00-130.00				1	1	1			
L7 130.00-125.00				1	1	1			
L8 125.00-117.33				1	1	1			
L9 117.33-117.00				1	1	1			
L10 117.00-112.00				1	1	1			
L11 112.00-107.00				1	1	1			
L12 107.00-102.00				1	1	1			
L13 102.00-97.00				1	1	1			
L14 97.00-95.83				1	1	1			
L15 95.83-95.58				1	1	1.17465			
L16 95.58-90.58				1	1	1.1627			
L17 90.58-89.83				1	1	1.1801			
L18 89.83-89.58				1	1	1			
L19 89.58-82.50				1	1	1			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L20 82.50-81.50				1	1	1			
L21 81.50-76.50				1	1	1			
L22 76.50-74.25				1	1	1			
L23 74.25-74.00				1	1	0.977341			
L24 74.00-69.00				1	1	0.98463			
L25 69.00-64.00				1	1	0.992377			
L26 64.00-59.00				1	1	0.987572			
L27 59.00-55.75				1	1	0.984569			
L28 55.75-55.50				1	1	0.973156			
L29 55.50-50.50				1	1	0.964358			
L30 50.50-47.75				1	1	0.959689			
L31 47.75-47.50				1	1	1			
L32 47.50-40.58				1	1	1			
L33 40.58-39.58				1	1	0.973563			
L34 39.58-34.58				1	1	0.965983			
L35 34.58-30.75				1	1	0.977578			
L36 30.75-30.50				1	1	1			
L37 30.50-29.00				1	1	1			
L38 29.00-28.75				1	1	0.96948			
L39 28.75-23.75				1	1	0.982611			
L40 23.75-18.75				1	1	0.976871			
L41 18.75-13.75				1	1	0.971359			
L42 13.75-13.00				1	1	0.970551			
L43 13.00-12.75				1	1	1.01684			
L44 12.75-8.25				1	1	1.00976			
L45 8.25-8.00				1	1	1.07693			
L46 8.00-3.00				1	1	1.06897			
L47 3.00-0.00				1	1	1.08454			

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
Safety Line 3/8	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	-0.250 -0.250	0.375		0.220
*										
*										
132										
CU12PSM9P6XXX(1-1/2)	B	No	Surface Ar (CaAa)	132.00 - 0.00	1	1	0.000 0.000	1.600		2.350
LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	96.00 - 0.00	12	6	0.000 0.000	1.980		0.820
2" Flexible Conduit	B	No	Surface Ar (CaAa)	96.00 - 0.00	1	1	-0.250 -0.250	2.000		0.340
92										
LDF4-50A(1/2)	A	No	Surface Ar (CaAa)	92.00 - 0.00	1	1	0.500 0.500	0.625		0.150
*										
Mods										
PL 1.25x6.25	B	No	Surface Af (CaAa)	9.00 - 2.00	1	1	0.000 0.000	6.250	15.000	0.000
PL 1.25x6.875	A	No	Surface Af (CaAa)	31.25 - 2.00	1	1	0.250 0.250	6.875	16.250	0.000
PL 1.25x6.875	B	No	Surface Af (CaAa)	31.25 - 2.00	1	1	0.250 0.250	6.875	16.250	0.000
PL 1.25x6.875	C	No	Surface Af (CaAa)	31.25 - 5.00	1	1	0.250 0.250	6.875	16.250	0.000
*										
PL 1.25x5.25	A	No	Surface Af (CaAa)	58.00 - 31.25	1	1	0.250 0.250	5.250	13.000	0.000
PL 1.25x5.25	B	No	Surface Af (CaAa)	58.00 - 31.25	1	1	0.250 0.250	5.250	13.000	0.000
PL 1.25x5.25	C	No	Surface Af (CaAa)	58.00 - 31.25	1	1	0.250 0.250	5.250	13.000	0.000
****										
Crown 1x4 (100ksi)	A	No	Surface Af (CaAa)	76.00 - 46.00	1	1	0.500 0.500	4.000	10.000	0.000
Crown 1x4 (100ksi)	B	No	Surface Af (CaAa)	76.00 - 46.00	1	1	0.500 0.500	4.000	10.000	0.000
Crown 1x4 (100ksi)	C	No	Surface Af (CaAa)	76.00 - 46.00	1	1	0.500 0.500	4.000	10.000	0.000
****										
(Area) Sabre MS600 (1.00x6.00)	B	No	Surface Af (CaAa)	15.00 - 5.00	1	1	-0.250 -0.250	6.000	14.000	0.000
(Area) Sabre MS600 (1.00x6.00)	C	No	Surface Af (CaAa)	15.00 - 5.00	1	1	-0.250 -0.250	6.000	14.000	0.000
(Area) Sabre MS600 (1.00x6.00)	C	No	Surface Af (CaAa)	15.00 - 5.00	1	1	0.500 0.500	6.000	14.000	0.000
*										
(Area) Sabre MS450 (1.00x4.50)	A	No	Surface Af (CaAa)	44.25 - 29.25	1	1	-0.250 -0.250	4.500	11.000	0.000
(Area) Sabre MS450 (1.00x4.50)	B	No	Surface Af (CaAa)	44.25 - 29.25	1	1	-0.250 -0.250	4.500	11.000	0.000
(Area) Sabre MS450 (1.00x4.50)	C	No	Surface Af (CaAa)	44.25 - 29.25	1	1	-0.250 -0.250	4.500	11.000	0.000
*										
(Area) Sabre MS600 (1.00x6.00)	A	No	Surface Af (CaAa)	97.83 - 87.83	1	1	0.500 0.500	6.000	14.000	0.000
(Area) Sabre MS600 (1.00x6.00)	B	No	Surface Af (CaAa)	97.83 - 87.83	1	1	0.250 0.250	6.000	14.000	0.000
(Area) Sabre MS600 (1.00x6.00)	C	No	Surface Af (CaAa)	97.83 - 87.83	1	1	0.000 0.000	6.000	14.000	0.000
****										

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
HSS6x6x1/4	A	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.000 0.000	6.000	24.000	18.990
HSS6x6x1/4	A	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.250 0.250	6.000	24.000	18.990
HSS6x6x1/4	B	No	Surface Af (CaAa)	102.00 - 90.00	1	1	-0.250 -0.250	6.000	24.000	18.990
HSS6x6x1/4	B	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.000 0.000	6.000	24.000	18.990
HSS6x6x1/4	B	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.500 0.500	6.000	24.000	18.990
HSS6x6x1/4	C	No	Surface Af (CaAa)	102.00 - 90.00	1	1	-0.250 -0.250	6.000	24.000	18.990
HSS6x6x1/4	C	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.250 0.250	6.000	24.000	18.990
HSS6x6x1/4	C	No	Surface Af (CaAa)	102.00 - 90.00	1	1	0.500 0.500	6.000	24.000	18.990
*** *** ***										

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
* * **159**									
HB114-1-08U4-M5J (1-1/4)	C	No	No	Inside Pole	159.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.080 1.080 1.080 1.080
HB114-21U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	159.00 - 0.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.220 1.220 1.220 1.220
142 LDF7-50A(1-5/8)	C	No	No	Inside Pole	142.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.820 0.820 0.820 0.820
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	C	No	No	Inside Pole	142.00 - 0.00	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.070 1.070 1.070 1.070
HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	142.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	2.400 2.400 2.400 2.400
116 LDF7-50A(1-5/8)	A	No	No	Inside Pole	116.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.820 0.820 0.820 0.820
HB158-1-08U8-S8J 18(1-5/8)	A	No	No	Inside Pole	116.00 - 0.00	2	No Ice 1/2" Ice	0.00 0.00	1.300 1.300

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							1" Ice	0.00	1.300
							2" Ice	0.00	1.300
96									
LDF4-50A(1/2)	B	No	No	Inside Pole	96.00 - 0.00	1	No Ice	0.00	0.150
							1/2" Ice	0.00	0.150
							1" Ice	0.00	0.150
							2" Ice	0.00	0.150
FB-L98B-034-XXX(3/8)	B	No	No	Inside Pole	96.00 - 0.00	1	No Ice	0.00	0.057
							1/2" Ice	0.00	0.057
							1" Ice	0.00	0.057
							2" Ice	0.00	0.057
WR-VG86ST-BRD(3/4)	B	No	No	Inside Pole	96.00 - 0.00	2	No Ice	0.00	0.584
							1/2" Ice	0.00	0.584
							1" Ice	0.00	0.584
							2" Ice	0.00	0.584
2" Flexible Conduit	B	No	No	Inside Pole	96.00 - 0.00	1	No Ice	0.00	0.340
							1/2" Ice	0.00	0.340
							1" Ice	0.00	0.340
							2" Ice	0.00	0.340
*									
***									
***									
***									

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	160.00-155.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L2	155.00-150.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L3	150.00-145.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L4	145.00-140.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.05
L5	140.00-135.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.09
L6	135.00-130.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.320	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.09
L7	130.00-125.00	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.800	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.09
L8	125.00-117.33	A	0.000	0.000	0.288	0.000	0.00
		B	0.000	0.000	1.227	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.14
L9	117.33-117.00	A	0.000	0.000	0.012	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	0.053	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.01
L10	117.00-112.00	A	0.000	0.000	0.188	0.000	0.03
		B	0.000	0.000	0.800	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.09
L11	112.00-107.00	A	0.000	0.000	0.188	0.000	0.04
		B	0.000	0.000	0.800	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.09
L12	107.00-102.00	A	0.000	0.000	0.188	0.000	0.04
		B	0.000	0.000	0.800	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.09
L13	102.00-97.00	A	0.000	0.000	9.606	0.000	0.23
		B	0.000	0.000	14.550	0.000	0.30
		C	0.000	0.000	13.750	0.000	0.37
L14	97.00-95.83	A	0.000	0.000	3.138	0.000	0.05
		B	0.000	0.000	4.531	0.000	0.07
		C	0.000	0.000	4.107	0.000	0.09
L15	95.83-95.58	A	0.000	0.000	0.670	0.000	0.01
		B	0.000	0.000	1.265	0.000	0.02
		C	0.000	0.000	0.878	0.000	0.02
L16	95.58-90.58	A	0.000	0.000	13.499	0.000	0.23
		B	0.000	0.000	25.293	0.000	0.36
		C	0.000	0.000	17.553	0.000	0.37
L17	90.58-89.83	A	0.000	0.000	1.764	0.000	0.03
		B	0.000	0.000	3.352	0.000	0.04
		C	0.000	0.000	2.191	0.000	0.05
L18	89.83-89.58	A	0.000	0.000	0.253	0.000	0.00
		B	0.000	0.000	0.615	0.000	0.00
		C	0.000	0.000	0.228	0.000	0.00
L19	89.58-82.50	A	0.000	0.000	2.304	0.000	0.06
		B	0.000	0.000	12.556	0.000	0.10
		C	0.000	0.000	1.596	0.000	0.12
L20	82.50-81.50	A	0.000	0.000	0.100	0.000	0.01
		B	0.000	0.000	1.548	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.02
L21	81.50-76.50	A	0.000	0.000	0.500	0.000	0.04
		B	0.000	0.000	7.740	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.09
L22	76.50-74.25	A	0.000	0.000	1.392	0.000	0.02
		B	0.000	0.000	4.650	0.000	0.03
		C	0.000	0.000	1.167	0.000	0.04
L23	74.25-74.00	A	0.000	0.000	0.192	0.000	0.00
		B	0.000	0.000	0.554	0.000	0.00
		C	0.000	0.000	0.167	0.000	0.00
L24	74.00-69.00	A	0.000	0.000	3.833	0.000	0.04
		B	0.000	0.000	11.073	0.000	0.07
		C	0.000	0.000	3.333	0.000	0.09
L25	69.00-64.00	A	0.000	0.000	3.833	0.000	0.04
		B	0.000	0.000	11.073	0.000	0.07
		C	0.000	0.000	3.333	0.000	0.09
L26	64.00-59.00	A	0.000	0.000	3.833	0.000	0.04
		B	0.000	0.000	11.073	0.000	0.07
		C	0.000	0.000	3.333	0.000	0.09
L27	59.00-55.75	A	0.000	0.000	4.460	0.000	0.03
		B	0.000	0.000	9.166	0.000	0.05
		C	0.000	0.000	4.135	0.000	0.06
L28	55.75-55.50	A	0.000	0.000	0.410	0.000	0.00
		B	0.000	0.000	0.772	0.000	0.00
		C	0.000	0.000	0.385	0.000	0.00
L29	55.50-50.50	A	0.000	0.000	8.208	0.000	0.04
		B	0.000	0.000	15.448	0.000	0.07

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	7.708	0.000	0.09
L30	50.50-47.75	A	0.000	0.000	4.515	0.000	0.02
		B	0.000	0.000	8.497	0.000	0.04
		C	0.000	0.000	4.240	0.000	0.05
L31	47.75-47.50	A	0.000	0.000	0.410	0.000	0.00
		B	0.000	0.000	0.772	0.000	0.00
		C	0.000	0.000	0.385	0.000	0.00
L32	47.50-40.58	A	0.000	0.000	10.494	0.000	0.05
		B	0.000	0.000	20.509	0.000	0.10
		C	0.000	0.000	9.802	0.000	0.12
L33	40.58-39.58	A	0.000	0.000	1.725	0.000	0.01
		B	0.000	0.000	3.173	0.000	0.01
		C	0.000	0.000	1.625	0.000	0.02
L34	39.58-34.58	A	0.000	0.000	8.625	0.000	0.04
		B	0.000	0.000	15.865	0.000	0.07
		C	0.000	0.000	8.125	0.000	0.09
L35	34.58-30.75	A	0.000	0.000	6.748	0.000	0.03
		B	0.000	0.000	12.298	0.000	0.05
		C	0.000	0.000	6.365	0.000	0.07
L36	30.75-30.50	A	0.000	0.000	0.499	0.000	0.00
		B	0.000	0.000	0.861	0.000	0.00
		C	0.000	0.000	0.474	0.000	0.00
L37	30.50-29.00	A	0.000	0.000	2.806	0.000	0.01
		B	0.000	0.000	4.978	0.000	0.02
		C	0.000	0.000	2.656	0.000	0.03
L38	29.00-28.75	A	0.000	0.000	0.311	0.000	0.00
		B	0.000	0.000	0.673	0.000	0.00
		C	0.000	0.000	0.286	0.000	0.00
L39	28.75-23.75	A	0.000	0.000	6.229	0.000	0.04
		B	0.000	0.000	13.469	0.000	0.07
		C	0.000	0.000	5.729	0.000	0.09
L40	23.75-18.75	A	0.000	0.000	6.229	0.000	0.04
		B	0.000	0.000	13.469	0.000	0.07
		C	0.000	0.000	5.729	0.000	0.09
L41	18.75-13.75	A	0.000	0.000	6.229	0.000	0.04
		B	0.000	0.000	14.609	0.000	0.07
		C	0.000	0.000	8.009	0.000	0.09
L42	13.75-13.00	A	0.000	0.000	0.934	0.000	0.01
		B	0.000	0.000	2.704	0.000	0.01
		C	0.000	0.000	2.228	0.000	0.01
L43	13.00-12.75	A	0.000	0.000	0.311	0.000	0.00
		B	0.000	0.000	0.901	0.000	0.00
		C	0.000	0.000	0.743	0.000	0.00
L44	12.75-8.25	A	0.000	0.000	5.606	0.000	0.04
		B	0.000	0.000	16.854	0.000	0.06
		C	0.000	0.000	13.365	0.000	0.08
L45	8.25-8.00	A	0.000	0.000	0.311	0.000	0.00
		B	0.000	0.000	1.111	0.000	0.00
		C	0.000	0.000	0.743	0.000	0.00
L46	8.00-3.00	A	0.000	0.000	6.229	0.000	0.04
		B	0.000	0.000	20.388	0.000	0.07
		C	0.000	0.000	8.910	0.000	0.09
L47	3.00-0.00	A	0.000	0.000	1.446	0.000	0.02
		B	0.000	0.000	6.626	0.000	0.04
		C	0.000	0.000	0.000	0.000	0.05

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	160.00-155.00	A	1.491	0.000	0.000	1.678	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L2	155.00-150.00	A	1.486	0.000	0.000	1.673	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L3	150.00-145.00	A	1.481	0.000	0.000	1.668	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L4	145.00-140.00	A	1.476	0.000	0.000	1.663	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.05
L5	140.00-135.00	A	1.471	0.000	0.000	1.658	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.09
L6	135.00-130.00	A	1.465	0.000	0.000	1.653	0.000	0.02
		B		0.000	0.000	0.906	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.09
L7	130.00-125.00	A	1.460	0.000	0.000	1.647	0.000	0.02
		B		0.000	0.000	2.260	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.09
L8	125.00-117.33	A	1.452	0.000	0.000	2.514	0.000	0.03
		B		0.000	0.000	3.453	0.000	0.06
		C		0.000	0.000	0.000	0.000	0.14
L9	117.33-117.00	A	1.447	0.000	0.000	0.109	0.000	0.00
		B		0.000	0.000	0.150	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.01
L10	117.00-112.00	A	1.444	0.000	0.000	1.631	0.000	0.05
		B		0.000	0.000	2.244	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.09
L11	112.00-107.00	A	1.437	0.000	0.000	1.625	0.000	0.05
		B		0.000	0.000	2.237	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.09
L12	107.00-102.00	A	1.431	0.000	0.000	1.618	0.000	0.05
		B		0.000	0.000	2.231	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.09
L13	102.00-97.00	A	1.424	0.000	0.000	12.881	0.000	0.42
		B		0.000	0.000	18.688	0.000	0.58
		C		0.000	0.000	16.464	0.000	0.63
L14	97.00-95.83	A	1.419	0.000	0.000	4.049	0.000	0.11
		B		0.000	0.000	5.802	0.000	0.15
		C		0.000	0.000	4.888	0.000	0.16
L15	95.83-95.58	A	1.418	0.000	0.000	0.865	0.000	0.02
		B		0.000	0.000	1.736	0.000	0.04
		C		0.000	0.000	1.044	0.000	0.03
L16	95.58-90.58	A	1.414	0.000	0.000	17.781	0.000	0.46
		B		0.000	0.000	34.698	0.000	0.82
		C		0.000	0.000	20.877	0.000	0.67
L17	90.58-89.83	A	1.410	0.000	0.000	2.497	0.000	0.06
		B		0.000	0.000	4.672	0.000	0.10
		C		0.000	0.000	2.601	0.000	0.08
L18	89.83-89.58	A	1.409	0.000	0.000	0.431	0.000	0.01
		B		0.000	0.000	0.956	0.000	0.01
		C		0.000	0.000	0.265	0.000	0.01
L19	89.58-82.50	A	1.403	0.000	0.000	6.539	0.000	0.12
		B		0.000	0.000	21.377	0.000	0.36
		C		0.000	0.000	1.857	0.000	0.14
L20	82.50-81.50	A	1.396	0.000	0.000	0.661	0.000	0.01
		B		0.000	0.000	2.757	0.000	0.05
		C		0.000	0.000	0.000	0.000	0.02
L21	81.50-76.50	A	1.391	0.000	0.000	3.283	0.000	0.07

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	13.747	0.000	0.24
		C		0.000	0.000	0.000	0.000	0.09
L22	76.50-74.25	A	1.385	0.000	0.000	3.123	0.000	0.05
		B		0.000	0.000	7.828	0.000	0.12
		C		0.000	0.000	1.651	0.000	0.05
L23	74.25-74.00	A	1.382	0.000	0.000	0.399	0.000	0.01
		B		0.000	0.000	0.922	0.000	0.01
		C		0.000	0.000	0.236	0.000	0.01
L24	74.00-69.00	A	1.377	0.000	0.000	7.966	0.000	0.11
		B		0.000	0.000	18.413	0.000	0.28
		C		0.000	0.000	4.711	0.000	0.13
L25	69.00-64.00	A	1.368	0.000	0.000	7.936	0.000	0.11
		B		0.000	0.000	18.370	0.000	0.27
		C		0.000	0.000	4.701	0.000	0.13
L26	64.00-59.00	A	1.357	0.000	0.000	7.904	0.000	0.11
		B		0.000	0.000	18.325	0.000	0.27
		C		0.000	0.000	4.690	0.000	0.13
L27	59.00-55.75	A	1.347	0.000	0.000	7.694	0.000	0.09
		B		0.000	0.000	14.461	0.000	0.20
		C		0.000	0.000	5.618	0.000	0.10
L28	55.75-55.50	A	1.343	0.000	0.000	0.679	0.000	0.01
		B		0.000	0.000	1.199	0.000	0.02
		C		0.000	0.000	0.520	0.000	0.01
L29	55.50-50.50	A	1.337	0.000	0.000	13.556	0.000	0.16
		B		0.000	0.000	23.952	0.000	0.32
		C		0.000	0.000	10.382	0.000	0.17
L30	50.50-47.75	A	1.327	0.000	0.000	7.433	0.000	0.08
		B		0.000	0.000	13.144	0.000	0.17
		C		0.000	0.000	5.699	0.000	0.10
L31	47.75-47.50	A	1.323	0.000	0.000	0.675	0.000	0.01
		B		0.000	0.000	1.194	0.000	0.02
		C		0.000	0.000	0.518	0.000	0.01
L32	47.50-40.58	A	1.312	0.000	0.000	17.296	0.000	0.20
		B		0.000	0.000	31.635	0.000	0.42
		C		0.000	0.000	12.974	0.000	0.23
L33	40.58-39.58	A	1.300	0.000	0.000	2.775	0.000	0.03
		B		0.000	0.000	4.848	0.000	0.06
		C		0.000	0.000	2.150	0.000	0.03
L34	39.58-34.58	A	1.290	0.000	0.000	13.785	0.000	0.15
		B		0.000	0.000	24.122	0.000	0.31
		C		0.000	0.000	10.705	0.000	0.17
L35	34.58-30.75	A	1.274	0.000	0.000	10.654	0.000	0.12
		B		0.000	0.000	18.564	0.000	0.23
		C		0.000	0.000	8.317	0.000	0.13
L36	30.75-30.50	A	1.266	0.000	0.000	0.752	0.000	0.01
		B		0.000	0.000	1.267	0.000	0.02
		C		0.000	0.000	0.601	0.000	0.01
L37	30.50-29.00	A	1.262	0.000	0.000	4.257	0.000	0.05
		B		0.000	0.000	7.348	0.000	0.09
		C		0.000	0.000	3.350	0.000	0.05
L38	29.00-28.75	A	1.258	0.000	0.000	0.500	0.000	0.01
		B		0.000	0.000	1.015	0.000	0.01
		C		0.000	0.000	0.349	0.000	0.01
L39	28.75-23.75	A	1.246	0.000	0.000	9.968	0.000	0.12
		B		0.000	0.000	20.250	0.000	0.27
		C		0.000	0.000	6.975	0.000	0.14
L40	23.75-18.75	A	1.220	0.000	0.000	9.889	0.000	0.11
		B		0.000	0.000	20.139	0.000	0.26
		C		0.000	0.000	6.949	0.000	0.14
L41	18.75-13.75	A	1.188	0.000	0.000	9.792	0.000	0.11
		B		0.000	0.000	21.301	0.000	0.27

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	9.514	0.000	0.16
L42	13.75-13.00	A	1.165	0.000	0.000	1.459	0.000	0.02
		B		0.000	0.000	3.763	0.000	0.04
		C		0.000	0.000	2.589	0.000	0.03
L43	13.00-12.75	A	1.160	0.000	0.000	0.486	0.000	0.01
		B		0.000	0.000	1.253	0.000	0.01
		C		0.000	0.000	0.863	0.000	0.01
L44	12.75-8.25	A	1.137	0.000	0.000	8.676	0.000	0.10
		B		0.000	0.000	23.179	0.000	0.27
		C		0.000	0.000	15.482	0.000	0.19
L45	8.25-8.00	A	1.108	0.000	0.000	0.478	0.000	0.01
		B		0.000	0.000	1.480	0.000	0.02
		C		0.000	0.000	0.857	0.000	0.01
L46	8.00-3.00	A	1.066	0.000	0.000	9.426	0.000	0.10
		B		0.000	0.000	27.324	0.000	0.30
		C		0.000	0.000	10.234	0.000	0.16
L47	3.00-0.00	A	0.936	0.000	0.000	2.756	0.000	0.04
		B		0.000	0.000	9.631	0.000	0.12
		C		0.000	0.000	0.000	0.000	0.05

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	160.00-155.00	-0.229	0.000	-1.303	0.000
L2	155.00-150.00	-0.229	0.000	-1.310	0.000
L3	150.00-145.00	-0.229	0.000	-1.316	0.000
L4	145.00-140.00	-0.229	0.000	-1.322	0.000
L5	140.00-135.00	-0.229	0.000	-1.327	0.000
L6	135.00-130.00	0.124	-0.200	-0.632	-0.365
L7	130.00-125.00	0.611	-0.476	0.282	-0.847
L8	125.00-117.33	0.611	-0.477	0.284	-0.852
L9	117.33-117.00	0.612	-0.477	0.284	-0.855
L10	117.00-112.00	0.612	-0.477	0.285	-0.855
L11	112.00-107.00	0.612	-0.478	0.286	-0.859
L12	107.00-102.00	0.612	-0.478	0.287	-0.862
L13	102.00-97.00	-0.678	-1.323	-0.749	-1.481
L14	97.00-95.83	1.596	-0.773	1.540	-0.983
L15	95.83-95.58	2.710	-1.548	2.903	-1.985
L16	95.58-90.58	2.734	-1.583	2.919	-2.087
L17	90.58-89.83	3.338	-1.585	3.465	-2.322
L18	89.83-89.58	7.783	-1.298	6.741	-2.397
L19	89.58-82.50	6.167	-3.000	5.356	-3.901
L20	82.50-81.50	5.320	-3.886	4.719	-4.589
L21	81.50-76.50	5.342	-3.903	4.752	-4.615
L22	76.50-74.25	4.034	-2.948	3.770	-3.659
L23	74.25-74.00	3.779	-2.762	3.568	-3.462
L24	74.00-69.00	3.802	-2.779	3.595	-3.487
L25	69.00-64.00	3.844	-2.810	3.644	-3.532
L26	64.00-59.00	3.885	-2.841	3.694	-3.575
L27	59.00-55.75	3.109	-2.274	3.081	-2.980
L28	55.75-55.50	2.862	-2.094	2.875	-2.779
L29	55.50-50.50	2.882	-2.108	2.898	-2.799
L30	50.50-47.75	2.910	-2.130	2.930	-2.827
L31	47.75-47.50	2.919	-2.136	2.941	-2.835
L32	47.50-40.58	3.062	-2.241	3.090	-2.975

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L33	40.58-39.58	2.875	-2.104	2.924	-2.816
L34	39.58-34.58	2.896	-2.120	2.949	-2.830
L35	34.58-30.75	2.897	-2.121	2.963	-2.838
L36	30.75-30.50	2.723	-1.994	2.846	-2.722
L37	30.50-29.00	2.825	-2.068	2.945	-2.816
L38	29.00-28.75	3.436	-2.516	3.524	-3.367
L39	28.75-23.75	3.454	-2.530	3.546	-3.382
L40	23.75-18.75	3.490	-2.556	3.586	-3.407
L41	18.75-13.75	3.069	-2.886	3.257	-3.622
L42	13.75-13.00	2.039	-3.599	2.384	-4.103
L43	13.00-12.75	2.042	-3.604	2.387	-4.107
L44	12.75-8.25	2.284	-3.731	2.590	-4.205
L45	8.25-8.00	3.374	-4.241	3.503	-4.611
L46	8.00-3.00	5.138	-4.817	5.025	-5.153
L47	3.00-0.00	7.146	-5.017	6.538	-5.435

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	1	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L2	1	Safety Line 3/8	150.00 - 155.00	1.0000	1.0000
L3	1	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L4	1	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L5	1	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L6	1	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L6	12	CU12PSM9P6XXX(1-1/2)	130.00 - 132.00	1.0000	1.0000
L7	1	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L7	12	CU12PSM9P6XXX(1-1/2)	125.00 - 130.00	1.0000	1.0000
L8	1	Safety Line 3/8	117.33 - 125.00	1.0000	1.0000
L8	12	CU12PSM9P6XXX(1-1/2)	117.33 - 125.00	1.0000	1.0000
L9	1	Safety Line 3/8	117.00 - 117.33	1.0000	1.0000
L9	12	CU12PSM9P6XXX(1-1/2)	117.00 - 117.33	1.0000	1.0000
L10	1	Safety Line 3/8	112.00 - 117.00	1.0000	1.0000
L10	12	CU12PSM9P6XXX(1-1/2)	112.00 - 117.00	1.0000	1.0000
L11	1	Safety Line 3/8	107.00 - 112.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L11	12	CU12PSM9P6XXX(1-1/2)	107.00 - 112.00	1.0000	1.0000
L12	1	Safety Line 3/8	102.00 - 107.00	1.0000	1.0000
L12	12	CU12PSM9P6XXX(1-1/2)	102.00 - 107.00	1.0000	1.0000
L13	1	Safety Line 3/8	97.00 - 102.00	1.0000	1.0000
L13	12	CU12PSM9P6XXX(1-1/2)	97.00 - 102.00	1.0000	1.0000
L13	48	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	1.0000	1.0000
L13	49	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	1.0000	1.0000
L13	50	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	1.0000	1.0000
L13	52	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	53	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	54	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	55	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	56	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	57	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	58	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L13	59	HSS6x6x1/4	97.00 - 102.00	1.0000	1.0000
L14	1	Safety Line 3/8	95.83 - 97.00	1.0000	1.0000
L14	12	CU12PSM9P6XXX(1-1/2)	95.83 - 97.00	1.0000	1.0000
L14	18	LDF7-50A(1-5/8)	95.83 - 96.00	1.0000	1.0000
L14	21	2" Flexible Conduit	95.83 - 96.00	1.0000	1.0000
L14	48	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	1.0000	1.0000
L14	49	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	1.0000	1.0000
L14	50	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	1.0000	1.0000
L14	52	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	53	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	54	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	55	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	56	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	57	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	58	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L14	59	HSS6x6x1/4	95.83 - 97.00	1.0000	1.0000
L15	1	Safety Line 3/8	95.58 - 95.83	1.0000	1.0000
L15	12	CU12PSM9P6XXX(1-1/2)	95.58 - 95.83	1.0000	1.0000
L15	18	LDF7-50A(1-5/8)	95.58 - 95.83	1.0000	1.0000
L15	21	2" Flexible Conduit	95.58 - 95.83	1.0000	1.0000
L15	48	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	1.0000	1.0000
L15	49	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	1.0000	1.0000
L15	50	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	1.0000	1.0000
L15	52	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	53	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	54	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	55	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	56	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	57	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	58	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L15	59	HSS6x6x1/4	95.58 - 95.83	1.0000	1.0000
L16	1	Safety Line 3/8	90.58 - 95.58	1.0000	1.0000
L16	12	CU12PSM9P6XXX(1-1/2)	90.58 - 95.58	1.0000	1.0000
L16	18	LDF7-50A(1-5/8)	90.58 - 95.58	1.0000	1.0000
L16	21	2" Flexible Conduit	90.58 - 95.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L16	24	LDF4-50A(1/2)	90.58 - 92.00	1.0000	1.0000
L16	48	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	1.0000	1.0000
L16	49	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	1.0000	1.0000
L16	50	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	1.0000	1.0000
L16	52	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	53	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	54	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	55	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	56	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	57	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	58	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L16	59	HSS6x6x1/4	90.58 - 95.58	1.0000	1.0000
L17	1	Safety Line 3/8	89.83 - 90.58	1.0000	1.0000
L17	12	CU12PSM9P6XXX(1-1/2)	89.83 - 90.58	1.0000	1.0000
L17	18	LDF7-50A(1-5/8)	89.83 - 90.58	1.0000	1.0000
L17	21	2" Flexible Conduit	89.83 - 90.58	1.0000	1.0000
L17	24	LDF4-50A(1/2)	89.83 - 90.58	1.0000	1.0000
L17	48	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	1.0000	1.0000
L17	49	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	1.0000	1.0000
L17	50	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	1.0000	1.0000
L17	52	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	53	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	54	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	55	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	56	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	57	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	58	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L17	59	HSS6x6x1/4	90.00 - 90.58	1.0000	1.0000
L18	1	Safety Line 3/8	89.58 - 89.83	1.0000	1.0000
L18	12	CU12PSM9P6XXX(1-1/2)	89.58 - 89.83	1.0000	1.0000
L18	18	LDF7-50A(1-5/8)	89.58 - 89.83	1.0000	1.0000
L18	21	2" Flexible Conduit	89.58 - 89.83	1.0000	1.0000
L18	24	LDF4-50A(1/2)	89.58 - 89.83	1.0000	1.0000
L18	48	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	1.0000	1.0000
L18	49	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	1.0000	1.0000
L18	50	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	1.0000	1.0000
L19	1	Safety Line 3/8	82.50 - 89.58	1.0000	1.0000
L19	12	CU12PSM9P6XXX(1-1/2)	82.50 - 89.58	1.0000	1.0000
L19	18	LDF7-50A(1-5/8)	82.50 - 89.58	1.0000	1.0000
L19	21	2" Flexible Conduit	82.50 - 89.58	1.0000	1.0000
L19	24	LDF4-50A(1/2)	82.50 - 89.58	1.0000	1.0000
L19	48	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	1.0000	1.0000
L19	49	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	1.0000	1.0000
L19	50	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	1.0000	1.0000
L20	1	Safety Line 3/8	81.50 - 82.50	1.0000	1.0000
L20	12	CU12PSM9P6XXX(1-1/2)	81.50 - 82.50	1.0000	1.0000
L20	18	LDF7-50A(1-5/8)	81.50 - 82.50	1.0000	1.0000
L20	21	2" Flexible Conduit	81.50 - 82.50	1.0000	1.0000
L20	24	LDF4-50A(1/2)	81.50 - 82.50	1.0000	1.0000
L21	1	Safety Line 3/8	76.50 - 81.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L21	12	CU12PSM9P6XXX(1-1/2)	76.50 - 81.50	1.0000	1.0000
L21	18	LDF7-50A(1-5/8)	76.50 - 81.50	1.0000	1.0000
L21	21	2" Flexible Conduit	76.50 - 81.50	1.0000	1.0000
L21	24	LDF4-50A(1/2)	76.50 - 81.50	1.0000	1.0000
L22	1	Safety Line 3/8	74.25 - 76.50	1.0000	1.0000
L22	12	CU12PSM9P6XXX(1-1/2)	74.25 - 76.50	1.0000	1.0000
L22	18	LDF7-50A(1-5/8)	74.25 - 76.50	1.0000	1.0000
L22	21	2" Flexible Conduit	74.25 - 76.50	1.0000	1.0000
L22	24	LDF4-50A(1/2)	74.25 - 76.50	1.0000	1.0000
L22	36	Crown 1x4 (100ksi)	74.25 - 76.00	1.0000	1.0000
L22	37	Crown 1x4 (100ksi)	74.25 - 76.00	1.0000	1.0000
L22	38	Crown 1x4 (100ksi)	74.25 - 76.00	1.0000	1.0000
L23	1	Safety Line 3/8	74.00 - 74.25	1.0000	1.0000
L23	12	CU12PSM9P6XXX(1-1/2)	74.00 - 74.25	1.0000	1.0000
L23	18	LDF7-50A(1-5/8)	74.00 - 74.25	1.0000	1.0000
L23	21	2" Flexible Conduit	74.00 - 74.25	1.0000	1.0000
L23	24	LDF4-50A(1/2)	74.00 - 74.25	1.0000	1.0000
L23	36	Crown 1x4 (100ksi)	74.00 - 74.25	1.0000	1.0000
L23	37	Crown 1x4 (100ksi)	74.00 - 74.25	1.0000	1.0000
L23	38	Crown 1x4 (100ksi)	74.00 - 74.25	1.0000	1.0000
L24	1	Safety Line 3/8	69.00 - 74.00	1.0000	1.0000
L24	12	CU12PSM9P6XXX(1-1/2)	69.00 - 74.00	1.0000	1.0000
L24	18	LDF7-50A(1-5/8)	69.00 - 74.00	1.0000	1.0000
L24	21	2" Flexible Conduit	69.00 - 74.00	1.0000	1.0000
L24	24	LDF4-50A(1/2)	69.00 - 74.00	1.0000	1.0000
L24	36	Crown 1x4 (100ksi)	69.00 - 74.00	1.0000	1.0000
L24	37	Crown 1x4 (100ksi)	69.00 - 74.00	1.0000	1.0000
L24	38	Crown 1x4 (100ksi)	69.00 - 74.00	1.0000	1.0000
L25	1	Safety Line 3/8	64.00 - 69.00	1.0000	1.0000
L25	12	CU12PSM9P6XXX(1-1/2)	64.00 - 69.00	1.0000	1.0000
L25	18	LDF7-50A(1-5/8)	64.00 - 69.00	1.0000	1.0000
L25	21	2" Flexible Conduit	64.00 - 69.00	1.0000	1.0000
L25	24	LDF4-50A(1/2)	64.00 - 69.00	1.0000	1.0000
L25	36	Crown 1x4 (100ksi)	64.00 - 69.00	1.0000	1.0000
L25	37	Crown 1x4 (100ksi)	64.00 - 69.00	1.0000	1.0000
L25	38	Crown 1x4 (100ksi)	64.00 - 69.00	1.0000	1.0000
L26	1	Safety Line 3/8	59.00 - 64.00	1.0000	1.0000
L26	12	CU12PSM9P6XXX(1-1/2)	59.00 - 64.00	1.0000	1.0000
L26	18	LDF7-50A(1-5/8)	59.00 - 64.00	1.0000	1.0000
L26	21	2" Flexible Conduit	59.00 - 64.00	1.0000	1.0000
L26	24	LDF4-50A(1/2)	59.00 - 64.00	1.0000	1.0000
L26	36	Crown 1x4 (100ksi)	59.00 - 64.00	1.0000	1.0000
L26	37	Crown 1x4 (100ksi)	59.00 - 64.00	1.0000	1.0000
L26	38	Crown 1x4 (100ksi)	59.00 - 64.00	1.0000	1.0000
L27	1	Safety Line 3/8	55.75 - 59.00	1.0000	1.0000
L27	12	CU12PSM9P6XXX(1-1/2)	55.75 - 59.00	1.0000	1.0000
L27	18	LDF7-50A(1-5/8)	55.75 - 59.00	1.0000	1.0000
L27	21	2" Flexible Conduit	55.75 - 59.00	1.0000	1.0000
L27	24	LDF4-50A(1/2)	55.75 - 59.00	1.0000	1.0000
L27	32	PL 1.25x5.25	55.75 - 58.00	1.0000	1.0000
L27	33	PL 1.25x5.25	55.75 - 58.00	1.0000	1.0000
L27	34	PL 1.25x5.25	55.75 - 58.00	1.0000	1.0000
L27	36	Crown 1x4 (100ksi)	55.75 - 59.00	1.0000	1.0000
L27	37	Crown 1x4 (100ksi)	55.75 - 59.00	1.0000	1.0000
L27	38	Crown 1x4 (100ksi)	55.75 - 59.00	1.0000	1.0000
L28	1	Safety Line 3/8	55.50 - 55.75	1.0000	1.0000
L28	12	CU12PSM9P6XXX(1-1/2)	55.50 - 55.75	1.0000	1.0000
L28	18	LDF7-50A(1-5/8)	55.50 - 55.75	1.0000	1.0000
L28	21	2" Flexible Conduit	55.50 - 55.75	1.0000	1.0000
L28	24	LDF4-50A(1/2)	55.50 - 55.75	1.0000	1.0000
L28	32	PL 1.25x5.25	55.50 - 55.75	1.0000	1.0000
L28	33	PL 1.25x5.25	55.50 - 55.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L28	34	PL 1.25x5.25	55.50 - 55.75	1.0000	1.0000
L28	36	Crown 1x4 (100ksi)	55.50 - 55.75	1.0000	1.0000
L28	37	Crown 1x4 (100ksi)	55.50 - 55.75	1.0000	1.0000
L28	38	Crown 1x4 (100ksi)	55.50 - 55.75	1.0000	1.0000
L29	1	Safety Line 3/8	50.50 - 55.50	1.0000	1.0000
L29	12	CU12PSM9P6XXX(1-1/2)	50.50 - 55.50	1.0000	1.0000
L29	18	LDF7-50A(1-5/8)	50.50 - 55.50	1.0000	1.0000
L29	21	2" Flexible Conduit	50.50 - 55.50	1.0000	1.0000
L29	24	LDF4-50A(1/2)	50.50 - 55.50	1.0000	1.0000
L29	32	PL 1.25x5.25	50.50 - 55.50	1.0000	1.0000
L29	33	PL 1.25x5.25	50.50 - 55.50	1.0000	1.0000
L29	34	PL 1.25x5.25	50.50 - 55.50	1.0000	1.0000
L29	36	Crown 1x4 (100ksi)	50.50 - 55.50	1.0000	1.0000
L29	37	Crown 1x4 (100ksi)	50.50 - 55.50	1.0000	1.0000
L29	38	Crown 1x4 (100ksi)	50.50 - 55.50	1.0000	1.0000
L30	1	Safety Line 3/8	47.75 - 50.50	1.0000	1.0000
L30	12	CU12PSM9P6XXX(1-1/2)	47.75 - 50.50	1.0000	1.0000
L30	18	LDF7-50A(1-5/8)	47.75 - 50.50	1.0000	1.0000
L30	21	2" Flexible Conduit	47.75 - 50.50	1.0000	1.0000
L30	24	LDF4-50A(1/2)	47.75 - 50.50	1.0000	1.0000
L30	32	PL 1.25x5.25	47.75 - 50.50	1.0000	1.0000
L30	33	PL 1.25x5.25	47.75 - 50.50	1.0000	1.0000
L30	34	PL 1.25x5.25	47.75 - 50.50	1.0000	1.0000
L30	36	Crown 1x4 (100ksi)	47.75 - 50.50	1.0000	1.0000
L30	37	Crown 1x4 (100ksi)	47.75 - 50.50	1.0000	1.0000
L30	38	Crown 1x4 (100ksi)	47.75 - 50.50	1.0000	1.0000
L31	1	Safety Line 3/8	47.50 - 47.75	1.0000	1.0000
L31	12	CU12PSM9P6XXX(1-1/2)	47.50 - 47.75	1.0000	1.0000
L31	18	LDF7-50A(1-5/8)	47.50 - 47.75	1.0000	1.0000
L31	21	2" Flexible Conduit	47.50 - 47.75	1.0000	1.0000
L31	24	LDF4-50A(1/2)	47.50 - 47.75	1.0000	1.0000
L31	32	PL 1.25x5.25	47.50 - 47.75	1.0000	1.0000
L31	33	PL 1.25x5.25	47.50 - 47.75	1.0000	1.0000
L31	34	PL 1.25x5.25	47.50 - 47.75	1.0000	1.0000
L31	36	Crown 1x4 (100ksi)	47.50 - 47.75	1.0000	1.0000
L31	37	Crown 1x4 (100ksi)	47.50 - 47.75	1.0000	1.0000
L31	38	Crown 1x4 (100ksi)	47.50 - 47.75	1.0000	1.0000
L32	1	Safety Line 3/8	40.58 - 47.50	1.0000	1.0000
L32	12	CU12PSM9P6XXX(1-1/2)	40.58 - 47.50	1.0000	1.0000
L32	18	LDF7-50A(1-5/8)	40.58 - 47.50	1.0000	1.0000
L32	21	2" Flexible Conduit	40.58 - 47.50	1.0000	1.0000
L32	24	LDF4-50A(1/2)	40.58 - 47.50	1.0000	1.0000
L32	32	PL 1.25x5.25	40.58 - 47.50	1.0000	1.0000
L32	33	PL 1.25x5.25	40.58 - 47.50	1.0000	1.0000
L32	34	PL 1.25x5.25	40.58 - 47.50	1.0000	1.0000
L32	36	Crown 1x4 (100ksi)	46.00 - 47.50	1.0000	1.0000
L32	37	Crown 1x4 (100ksi)	46.00 - 47.50	1.0000	1.0000
L32	38	Crown 1x4 (100ksi)	46.00 - 47.50	1.0000	1.0000
L32	44	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	1.0000	1.0000
L32	45	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	1.0000	1.0000
L32	46	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	1.0000	1.0000
L33	1	Safety Line 3/8	39.58 - 40.58	1.0000	1.0000
L33	12	CU12PSM9P6XXX(1-1/2)	39.58 - 40.58	1.0000	1.0000
L33	18	LDF7-50A(1-5/8)	39.58 - 40.58	1.0000	1.0000
L33	21	2" Flexible Conduit	39.58 - 40.58	1.0000	1.0000
L33	24	LDF4-50A(1/2)	39.58 - 40.58	1.0000	1.0000
L33	32	PL 1.25x5.25	39.58 - 40.58	1.0000	1.0000
L33	33	PL 1.25x5.25	39.58 - 40.58	1.0000	1.0000
L33	34	PL 1.25x5.25	39.58 - 40.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L33	44	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	1.0000	1.0000
L33	45	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	1.0000	1.0000
L33	46	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	1.0000	1.0000
L34	1	Safety Line 3/8	34.58 - 39.58	1.0000	1.0000
L34	12	CU12PSM9P6XXX(1-1/2)	34.58 - 39.58	1.0000	1.0000
L34	18	LDF7-50A(1-5/8)	34.58 - 39.58	1.0000	1.0000
L34	21	2" Flexible Conduit	34.58 - 39.58	1.0000	1.0000
L34	24	LDF4-50A(1/2)	34.58 - 39.58	1.0000	1.0000
L34	32	PL 1.25x5.25	34.58 - 39.58	1.0000	1.0000
L34	33	PL 1.25x5.25	34.58 - 39.58	1.0000	1.0000
L34	34	PL 1.25x5.25	34.58 - 39.58	1.0000	1.0000
L34	44	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	1.0000	1.0000
L34	45	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	1.0000	1.0000
L34	46	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	1.0000	1.0000
L35	1	Safety Line 3/8	30.75 - 34.58	1.0000	1.0000
L35	12	CU12PSM9P6XXX(1-1/2)	30.75 - 34.58	1.0000	1.0000
L35	18	LDF7-50A(1-5/8)	30.75 - 34.58	1.0000	1.0000
L35	21	2" Flexible Conduit	30.75 - 34.58	1.0000	1.0000
L35	24	LDF4-50A(1/2)	30.75 - 34.58	1.0000	1.0000
L35	28	PL 1.25x6.875	30.75 - 31.25	1.0000	1.0000
L35	29	PL 1.25x6.875	30.75 - 31.25	1.0000	1.0000
L35	30	PL 1.25x6.875	30.75 - 31.25	1.0000	1.0000
L35	32	PL 1.25x5.25	31.25 - 34.58	1.0000	1.0000
L35	33	PL 1.25x5.25	31.25 - 34.58	1.0000	1.0000
L35	34	PL 1.25x5.25	31.25 - 34.58	1.0000	1.0000
L35	44	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	1.0000	1.0000
L35	45	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	1.0000	1.0000
L35	46	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	1.0000	1.0000
L36	1	Safety Line 3/8	30.50 - 30.75	1.0000	1.0000
L36	12	CU12PSM9P6XXX(1-1/2)	30.50 - 30.75	1.0000	1.0000
L36	18	LDF7-50A(1-5/8)	30.50 - 30.75	1.0000	1.0000
L36	21	2" Flexible Conduit	30.50 - 30.75	1.0000	1.0000
L36	24	LDF4-50A(1/2)	30.50 - 30.75	1.0000	1.0000
L36	28	PL 1.25x6.875	30.50 - 30.75	1.0000	1.0000
L36	29	PL 1.25x6.875	30.50 - 30.75	1.0000	1.0000
L36	30	PL 1.25x6.875	30.50 - 30.75	1.0000	1.0000
L36	44	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	1.0000	1.0000
L36	45	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	1.0000	1.0000
L36	46	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	1.0000	1.0000
L37	1	Safety Line 3/8	29.00 - 30.50	1.0000	1.0000
L37	12	CU12PSM9P6XXX(1-1/2)	29.00 - 30.50	1.0000	1.0000
L37	18	LDF7-50A(1-5/8)	29.00 - 30.50	1.0000	1.0000
L37	21	2" Flexible Conduit	29.00 - 30.50	1.0000	1.0000
L37	24	LDF4-50A(1/2)	29.00 - 30.50	1.0000	1.0000
L37	28	PL 1.25x6.875	29.00 - 30.50	1.0000	1.0000
L37	29	PL 1.25x6.875	29.00 - 30.50	1.0000	1.0000
L37	30	PL 1.25x6.875	29.00 - 30.50	1.0000	1.0000
L37	44	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	1.0000	1.0000
L37	45	(Area) Sabre MS450	29.25 - 30.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		(1.00x4.50)			
L37	46	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	1.0000	1.0000
L38	1	Safety Line 3/8	28.75 - 29.00	1.0000	1.0000
L38	12	CU12PSM9P6XXX(1-1/2)	28.75 - 29.00	1.0000	1.0000
L38	18	LDF7-50A(1-5/8)	28.75 - 29.00	1.0000	1.0000
L38	21	2" Flexible Conduit	28.75 - 29.00	1.0000	1.0000
L38	24	LDF4-50A(1/2)	28.75 - 29.00	1.0000	1.0000
L38	28	PL 1.25x6.875	28.75 - 29.00	1.0000	1.0000
L38	29	PL 1.25x6.875	28.75 - 29.00	1.0000	1.0000
L38	30	PL 1.25x6.875	28.75 - 29.00	1.0000	1.0000
L39	1	Safety Line 3/8	23.75 - 28.75	1.0000	1.0000
L39	12	CU12PSM9P6XXX(1-1/2)	23.75 - 28.75	1.0000	1.0000
L39	18	LDF7-50A(1-5/8)	23.75 - 28.75	1.0000	1.0000
L39	21	2" Flexible Conduit	23.75 - 28.75	1.0000	1.0000
L39	24	LDF4-50A(1/2)	23.75 - 28.75	1.0000	1.0000
L39	28	PL 1.25x6.875	23.75 - 28.75	1.0000	1.0000
L39	29	PL 1.25x6.875	23.75 - 28.75	1.0000	1.0000
L39	30	PL 1.25x6.875	23.75 - 28.75	1.0000	1.0000
L40	1	Safety Line 3/8	18.75 - 23.75	1.0000	1.0000
L40	12	CU12PSM9P6XXX(1-1/2)	18.75 - 23.75	1.0000	1.0000
L40	18	LDF7-50A(1-5/8)	18.75 - 23.75	1.0000	1.0000
L40	21	2" Flexible Conduit	18.75 - 23.75	1.0000	1.0000
L40	24	LDF4-50A(1/2)	18.75 - 23.75	1.0000	1.0000
L40	28	PL 1.25x6.875	18.75 - 23.75	1.0000	1.0000
L40	29	PL 1.25x6.875	18.75 - 23.75	1.0000	1.0000
L40	30	PL 1.25x6.875	18.75 - 23.75	1.0000	1.0000
L41	1	Safety Line 3/8	13.75 - 18.75	1.0000	1.0000
L41	12	CU12PSM9P6XXX(1-1/2)	13.75 - 18.75	1.0000	1.0000
L41	18	LDF7-50A(1-5/8)	13.75 - 18.75	1.0000	1.0000
L41	21	2" Flexible Conduit	13.75 - 18.75	1.0000	1.0000
L41	24	LDF4-50A(1/2)	13.75 - 18.75	1.0000	1.0000
L41	28	PL 1.25x6.875	13.75 - 18.75	1.0000	1.0000
L41	29	PL 1.25x6.875	13.75 - 18.75	1.0000	1.0000
L41	30	PL 1.25x6.875	13.75 - 18.75	1.0000	1.0000
L41	40	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	1.0000	1.0000
L41	41	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	1.0000	1.0000
L41	42	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	1.0000	1.0000
L42	1	Safety Line 3/8	13.00 - 13.75	1.0000	1.0000
L42	12	CU12PSM9P6XXX(1-1/2)	13.00 - 13.75	1.0000	1.0000
L42	18	LDF7-50A(1-5/8)	13.00 - 13.75	1.0000	1.0000
L42	21	2" Flexible Conduit	13.00 - 13.75	1.0000	1.0000
L42	24	LDF4-50A(1/2)	13.00 - 13.75	1.0000	1.0000
L42	28	PL 1.25x6.875	13.00 - 13.75	1.0000	1.0000
L42	29	PL 1.25x6.875	13.00 - 13.75	1.0000	1.0000
L42	30	PL 1.25x6.875	13.00 - 13.75	1.0000	1.0000
L42	40	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	1.0000	1.0000
L42	41	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	1.0000	1.0000
L42	42	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	1.0000	1.0000
L43	1	Safety Line 3/8	12.75 - 13.00	1.0000	1.0000
L43	12	CU12PSM9P6XXX(1-1/2)	12.75 - 13.00	1.0000	1.0000
L43	18	LDF7-50A(1-5/8)	12.75 - 13.00	1.0000	1.0000
L43	21	2" Flexible Conduit	12.75 - 13.00	1.0000	1.0000
L43	24	LDF4-50A(1/2)	12.75 - 13.00	1.0000	1.0000
L43	28	PL 1.25x6.875	12.75 - 13.00	1.0000	1.0000
L43	29	PL 1.25x6.875	12.75 - 13.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L43	30	PL 1.25x6.875	12.75 - 13.00	1.0000	1.0000
L43	40	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	1.0000	1.0000
L43	41	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	1.0000	1.0000
L43	42	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	1.0000	1.0000
L44	1	Safety Line 3/8	8.25 - 12.75	1.0000	1.0000
L44	12	CU12PSM9P6XXX(1-1/2)	8.25 - 12.75	1.0000	1.0000
L44	18	LDF7-50A(1-5/8)	8.25 - 12.75	1.0000	1.0000
L44	21	2" Flexible Conduit	8.25 - 12.75	1.0000	1.0000
L44	24	LDF4-50A(1/2)	8.25 - 12.75	1.0000	1.0000
L44	27	PL 1.25x6.25	8.25 - 9.00	1.0000	1.0000
L44	28	PL 1.25x6.875	8.25 - 12.75	1.0000	1.0000
L44	29	PL 1.25x6.875	8.25 - 12.75	1.0000	1.0000
L44	30	PL 1.25x6.875	8.25 - 12.75	1.0000	1.0000
L44	40	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	1.0000	1.0000
L44	41	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	1.0000	1.0000
L44	42	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	1.0000	1.0000
L45	1	Safety Line 3/8	8.00 - 8.25	1.0000	1.0000
L45	12	CU12PSM9P6XXX(1-1/2)	8.00 - 8.25	1.0000	1.0000
L45	18	LDF7-50A(1-5/8)	8.00 - 8.25	1.0000	1.0000
L45	21	2" Flexible Conduit	8.00 - 8.25	1.0000	1.0000
L45	24	LDF4-50A(1/2)	8.00 - 8.25	1.0000	1.0000
L45	27	PL 1.25x6.25	8.00 - 8.25	1.0000	1.0000
L45	28	PL 1.25x6.875	8.00 - 8.25	1.0000	1.0000
L45	29	PL 1.25x6.875	8.00 - 8.25	1.0000	1.0000
L45	30	PL 1.25x6.875	8.00 - 8.25	1.0000	1.0000
L45	40	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	1.0000	1.0000
L45	41	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	1.0000	1.0000
L45	42	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	1.0000	1.0000
L46	1	Safety Line 3/8	3.00 - 8.00	1.0000	1.0000
L46	12	CU12PSM9P6XXX(1-1/2)	3.00 - 8.00	1.0000	1.0000
L46	18	LDF7-50A(1-5/8)	3.00 - 8.00	1.0000	1.0000
L46	21	2" Flexible Conduit	3.00 - 8.00	1.0000	1.0000
L46	24	LDF4-50A(1/2)	3.00 - 8.00	1.0000	1.0000
L46	27	PL 1.25x6.25	3.00 - 8.00	1.0000	1.0000
L46	28	PL 1.25x6.875	3.00 - 8.00	1.0000	1.0000
L46	29	PL 1.25x6.875	3.00 - 8.00	1.0000	1.0000
L46	30	PL 1.25x6.875	5.00 - 8.00	1.0000	1.0000
L46	40	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	1.0000	1.0000
L46	41	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	1.0000	1.0000
L46	42	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	1.0000	1.0000
L47	1	Safety Line 3/8	0.00 - 3.00	1.0000	1.0000
L47	12	CU12PSM9P6XXX(1-1/2)	0.00 - 3.00	1.0000	1.0000
L47	18	LDF7-50A(1-5/8)	0.00 - 3.00	1.0000	1.0000
L47	21	2" Flexible Conduit	0.00 - 3.00	1.0000	1.0000
L47	24	LDF4-50A(1/2)	0.00 - 3.00	1.0000	1.0000
L47	27	PL 1.25x6.25	2.00 - 3.00	1.0000	1.0000
L47	28	PL 1.25x6.875	2.00 - 3.00	1.0000	1.0000
L47	29	PL 1.25x6.875	2.00 - 3.00	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L13	48	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	Auto	0.0000
L13	49	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	Auto	0.0000
L13	50	(Area) Sabre MS600 (1.00x6.00)	97.00 - 97.83	Auto	0.0000
L13	52	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	53	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	54	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	55	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	56	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	57	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	58	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L13	59	HSS6x6x1/4	97.00 - 102.00	Auto	0.0000
L14	48	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	Auto	0.0000
L14	49	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	Auto	0.0000
L14	50	(Area) Sabre MS600 (1.00x6.00)	95.83 - 97.00	Auto	0.0000
L14	52	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	53	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	54	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	55	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	56	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	57	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	58	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L14	59	HSS6x6x1/4	95.83 - 97.00	Auto	0.0000
L15	48	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	Auto	0.0000
L15	49	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	Auto	0.0000
L15	50	(Area) Sabre MS600 (1.00x6.00)	95.58 - 95.83	Auto	0.0000
L15	52	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	53	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	54	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	55	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	56	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	57	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	58	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L15	59	HSS6x6x1/4	95.58 - 95.83	Auto	0.0000
L16	48	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	Auto	0.0000
L16	49	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	Auto	0.0000
L16	50	(Area) Sabre MS600 (1.00x6.00)	90.58 - 95.58	Auto	0.0000
L16	52	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	53	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	54	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L16	55	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	56	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	57	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	58	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L16	59	HSS6x6x1/4	90.58 - 95.58	Auto	0.0000
L17	48	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	Auto	0.0000
L17	49	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	Auto	0.0000
L17	50	(Area) Sabre MS600 (1.00x6.00)	89.83 - 90.58	Auto	0.0000
L17	52	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	53	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	54	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	55	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	56	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	57	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	58	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L17	59	HSS6x6x1/4	90.00 - 90.58	Auto	0.0000
L18	48	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	Auto	0.0000
L18	49	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	Auto	0.0000
L18	50	(Area) Sabre MS600 (1.00x6.00)	89.58 - 89.83	Auto	0.0000
L19	48	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	Auto	0.0000
L19	49	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	Auto	0.0000
L19	50	(Area) Sabre MS600 (1.00x6.00)	87.83 - 89.58	Auto	0.0000
L22	36	Crown 1x4 (100ksi)	74.25 - 76.00	Auto	0.0000
L22	37	Crown 1x4 (100ksi)	74.25 - 76.00	Auto	0.0000
L22	38	Crown 1x4 (100ksi)	74.25 - 76.00	Auto	0.0000
L23	36	Crown 1x4 (100ksi)	74.00 - 74.25	Auto	0.0000
L23	37	Crown 1x4 (100ksi)	74.00 - 74.25	Auto	0.0000
L23	38	Crown 1x4 (100ksi)	74.00 - 74.25	Auto	0.0000
L24	36	Crown 1x4 (100ksi)	69.00 - 74.00	Auto	0.0000
L24	37	Crown 1x4 (100ksi)	69.00 - 74.00	Auto	0.0000
L24	38	Crown 1x4 (100ksi)	69.00 - 74.00	Auto	0.0000
L25	36	Crown 1x4 (100ksi)	64.00 - 69.00	Auto	0.0000
L25	37	Crown 1x4 (100ksi)	64.00 - 69.00	Auto	0.0000
L25	38	Crown 1x4 (100ksi)	64.00 - 69.00	Auto	0.0000
L26	36	Crown 1x4 (100ksi)	59.00 - 64.00	Auto	0.0000
L26	37	Crown 1x4 (100ksi)	59.00 - 64.00	Auto	0.0000
L26	38	Crown 1x4 (100ksi)	59.00 - 64.00	Auto	0.0000
L27	32	PL 1.25x5.25	55.75 - 58.00	Auto	0.0000
L27	33	PL 1.25x5.25	55.75 - 58.00	Auto	0.0000
L27	34	PL 1.25x5.25	55.75 - 58.00	Auto	0.0000
L27	36	Crown 1x4 (100ksi)	55.75 - 59.00	Auto	0.0000
L27	37	Crown 1x4 (100ksi)	55.75 - 59.00	Auto	0.0000
L27	38	Crown 1x4 (100ksi)	55.75 - 59.00	Auto	0.0000
L28	32	PL 1.25x5.25	55.50 - 55.75	Auto	0.0000
L28	33	PL 1.25x5.25	55.50 - 55.75	Auto	0.0000
L28	34	PL 1.25x5.25	55.50 - 55.75	Auto	0.0000
L28	36	Crown 1x4 (100ksi)	55.50 - 55.75	Auto	0.0000
L28	37	Crown 1x4 (100ksi)	55.50 - 55.75	Auto	0.0000
L28	38	Crown 1x4 (100ksi)	55.50 - 55.75	Auto	0.0000
L29	32	PL 1.25x5.25	50.50 - 55.50	Auto	0.0000
L29	33	PL 1.25x5.25	50.50 - 55.50	Auto	0.0000
L29	34	PL 1.25x5.25	50.50 - 55.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L29	36	Crown 1x4 (100ksi)	50.50 - 55.50	Auto	0.0000
L29	37	Crown 1x4 (100ksi)	50.50 - 55.50	Auto	0.0000
L29	38	Crown 1x4 (100ksi)	50.50 - 55.50	Auto	0.0000
L30	32	PL 1.25x5.25	47.75 - 50.50	Auto	0.0000
L30	33	PL 1.25x5.25	47.75 - 50.50	Auto	0.0000
L30	34	PL 1.25x5.25	47.75 - 50.50	Auto	0.0000
L30	36	Crown 1x4 (100ksi)	47.75 - 50.50	Auto	0.0000
L30	37	Crown 1x4 (100ksi)	47.75 - 50.50	Auto	0.0000
L30	38	Crown 1x4 (100ksi)	47.75 - 50.50	Auto	0.0000
L31	32	PL 1.25x5.25	47.50 - 47.75	Auto	0.0000
L31	33	PL 1.25x5.25	47.50 - 47.75	Auto	0.0000
L31	34	PL 1.25x5.25	47.50 - 47.75	Auto	0.0000
L31	36	Crown 1x4 (100ksi)	47.50 - 47.75	Auto	0.0000
L31	37	Crown 1x4 (100ksi)	47.50 - 47.75	Auto	0.0000
L31	38	Crown 1x4 (100ksi)	47.50 - 47.75	Auto	0.0000
L32	32	PL 1.25x5.25	40.58 - 47.50	Auto	0.0000
L32	33	PL 1.25x5.25	40.58 - 47.50	Auto	0.0000
L32	34	PL 1.25x5.25	40.58 - 47.50	Auto	0.0000
L32	36	Crown 1x4 (100ksi)	46.00 - 47.50	Auto	0.0000
L32	37	Crown 1x4 (100ksi)	46.00 - 47.50	Auto	0.0000
L32	38	Crown 1x4 (100ksi)	46.00 - 47.50	Auto	0.0000
L32	44	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	Auto	0.0000
L32	45	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	Auto	0.0000
L32	46	(Area) Sabre MS450 (1.00x4.50)	40.58 - 44.25	Auto	0.0000
L33	32	PL 1.25x5.25	39.58 - 40.58	Auto	0.0000
L33	33	PL 1.25x5.25	39.58 - 40.58	Auto	0.0000
L33	34	PL 1.25x5.25	39.58 - 40.58	Auto	0.0000
L33	44	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	Auto	0.0000
L33	45	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	Auto	0.0000
L33	46	(Area) Sabre MS450 (1.00x4.50)	39.58 - 40.58	Auto	0.0000
L34	32	PL 1.25x5.25	34.58 - 39.58	Auto	0.0000
L34	33	PL 1.25x5.25	34.58 - 39.58	Auto	0.0000
L34	34	PL 1.25x5.25	34.58 - 39.58	Auto	0.0000
L34	44	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	Auto	0.0000
L34	45	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	Auto	0.0000
L34	46	(Area) Sabre MS450 (1.00x4.50)	34.58 - 39.58	Auto	0.0000
L35	28	PL 1.25x6.875	30.75 - 31.25	Auto	0.0000
L35	29	PL 1.25x6.875	30.75 - 31.25	Auto	0.0000
L35	30	PL 1.25x6.875	30.75 - 31.25	Auto	0.0000
L35	32	PL 1.25x5.25	31.25 - 34.58	Auto	0.0000
L35	33	PL 1.25x5.25	31.25 - 34.58	Auto	0.0000
L35	34	PL 1.25x5.25	31.25 - 34.58	Auto	0.0000
L35	44	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	Auto	0.0000
L35	45	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	Auto	0.0000
L35	46	(Area) Sabre MS450 (1.00x4.50)	30.75 - 34.58	Auto	0.0000
L36	28	PL 1.25x6.875	30.50 - 30.75	Auto	0.0000
L36	29	PL 1.25x6.875	30.50 - 30.75	Auto	0.0000
L36	30	PL 1.25x6.875	30.50 - 30.75	Auto	0.0000
L36	44	(Area) Sabre MS450	30.50 - 30.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
		(1.00x4.50)			
L36	45	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	Auto	0.0000
L36	46	(Area) Sabre MS450 (1.00x4.50)	30.50 - 30.75	Auto	0.0000
L37	28	PL 1.25x6.875	29.00 - 30.50	Auto	0.0000
L37	29	PL 1.25x6.875	29.00 - 30.50	Auto	0.0000
L37	30	PL 1.25x6.875	29.00 - 30.50	Auto	0.0000
L37	44	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	Auto	0.0000
L37	45	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	Auto	0.0000
L37	46	(Area) Sabre MS450 (1.00x4.50)	29.25 - 30.50	Auto	0.0000
L38	28	PL 1.25x6.875	28.75 - 29.00	Auto	0.0000
L38	29	PL 1.25x6.875	28.75 - 29.00	Auto	0.0000
L38	30	PL 1.25x6.875	28.75 - 29.00	Auto	0.0000
L39	28	PL 1.25x6.875	23.75 - 28.75	Auto	0.0000
L39	29	PL 1.25x6.875	23.75 - 28.75	Auto	0.0000
L39	30	PL 1.25x6.875	23.75 - 28.75	Auto	0.0000
L40	28	PL 1.25x6.875	18.75 - 23.75	Auto	0.0000
L40	29	PL 1.25x6.875	18.75 - 23.75	Auto	0.0000
L40	30	PL 1.25x6.875	18.75 - 23.75	Auto	0.0000
L41	28	PL 1.25x6.875	13.75 - 18.75	Auto	0.0000
L41	29	PL 1.25x6.875	13.75 - 18.75	Auto	0.0000
L41	30	PL 1.25x6.875	13.75 - 18.75	Auto	0.0000
L41	40	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	Auto	0.0000
L41	41	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	Auto	0.0000
L41	42	(Area) Sabre MS600 (1.00x6.00)	13.75 - 15.00	Auto	0.0000
L42	28	PL 1.25x6.875	13.00 - 13.75	Auto	0.0000
L42	29	PL 1.25x6.875	13.00 - 13.75	Auto	0.0000
L42	30	PL 1.25x6.875	13.00 - 13.75	Auto	0.0000
L42	40	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	Auto	0.0000
L42	41	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	Auto	0.0000
L42	42	(Area) Sabre MS600 (1.00x6.00)	13.00 - 13.75	Auto	0.0000
L43	28	PL 1.25x6.875	12.75 - 13.00	Auto	0.0000
L43	29	PL 1.25x6.875	12.75 - 13.00	Auto	0.0000
L43	30	PL 1.25x6.875	12.75 - 13.00	Auto	0.0000
L43	40	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	Auto	0.0000
L43	41	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	Auto	0.0000
L43	42	(Area) Sabre MS600 (1.00x6.00)	12.75 - 13.00	Auto	0.0000
L44	27	PL 1.25x6.25	8.25 - 9.00	Auto	0.0000
L44	28	PL 1.25x6.875	8.25 - 12.75	Auto	0.0000
L44	29	PL 1.25x6.875	8.25 - 12.75	Auto	0.0000
L44	30	PL 1.25x6.875	8.25 - 12.75	Auto	0.0000
L44	40	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	Auto	0.0000
L44	41	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	Auto	0.0000
L44	42	(Area) Sabre MS600 (1.00x6.00)	8.25 - 12.75	Auto	0.0000
L45	27	PL 1.25x6.25	8.00 - 8.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L45	28	PL 1.25x6.875	8.00 - 8.25	Auto	0.0000
L45	29	PL 1.25x6.875	8.00 - 8.25	Auto	0.0000
L45	30	PL 1.25x6.875	8.00 - 8.25	Auto	0.0000
L45	40	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	Auto	0.0000
L45	41	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	Auto	0.0000
L45	42	(Area) Sabre MS600 (1.00x6.00)	8.00 - 8.25	Auto	0.0000
L46	27	PL 1.25x6.25	3.00 - 8.00	Auto	0.0000
L46	28	PL 1.25x6.875	3.00 - 8.00	Auto	0.0000
L46	29	PL 1.25x6.875	3.00 - 8.00	Auto	0.0000
L46	30	PL 1.25x6.875	5.00 - 8.00	Auto	0.0000
L46	40	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	Auto	0.0000
L46	41	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	Auto	0.0000
L46	42	(Area) Sabre MS600 (1.00x6.00)	5.00 - 8.00	Auto	0.0000
L47	27	PL 1.25x6.25	2.00 - 3.00	Auto	0.0000
L47	28	PL 1.25x6.875	2.00 - 3.00	Auto	0.0000
L47	29	PL 1.25x6.875	2.00 - 3.00	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
** 159' **									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXV9ERR18-C-A20 w/ Mount Pipe	B	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVTM14-C-120 w/ Mount Pipe	A	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	B	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/	C	From	4.00	0.000	159.00	No Ice	4.09	2.86	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Mount Pipe		Centroid-Face	0.000 1.000			1/2" Ice 1" Ice 2" Ice	4.48 4.88 5.71	3.23 3.61 4.40	0.13 0.19 0.33
TD-RRH8x20-25	A	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8x20-25	B	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8x20-25	C	From Centroid-Face	4.00 0.000 1.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
2.4" Dia x 6-ft Pipe	A	From Centroid-Face	4.00 0.000 0.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	B	From Centroid-Face	4.00 0.000 0.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	C	From Centroid-Face	4.00 0.000 0.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(3) 2.4" Dia x 4-ft Mount Pipe	A	From Centroid-Face	4.00 0.000 0.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
(3) 2.4" Dia x 4-ft Mount Pipe	B	From Centroid-Face	4.00 0.000 0.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
(3) 2.4" Dia x 4-ft Mount Pipe	C	From Centroid-Face	4.00 0.000 0.000	0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
Platform Mount [LP 713-1]	C	None		0.000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	32.89 35.76 38.76 45.26	32.89 35.76 38.76 45.26	1.51 2.23 3.03 4.86
155									
800MHZ 2X50W RRH W/FILTER	A	From Face	2.00 0.000 1.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
800MHZ 2X50W RRH W/FILTER	B	From Face	2.00 0.000 1.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
800MHZ 2X50W RRH W/FILTER	C	From Face	2.00 0.000 1.000	0.000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
PCS 1900MHZ	A	From Face	2.00	0.000	155.00	No Ice	2.32	2.24	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
4X45W-65MHZ			0.000			1/2" Ice	2.53	2.44	0.08
			-1.000			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHZ	B	From Face	2.00	0.000	155.00	No Ice	2.32	2.24	0.06
4X45W-65MHZ			0.000			1/2" Ice	2.53	2.44	0.08
			-1.000			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHZ	C	From Face	2.00	0.000	155.00	No Ice	2.32	2.24	0.06
4X45W-65MHZ			0.000			1/2" Ice	2.53	2.44	0.08
			-1.000			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
2.4" Dia x 4-ft Mount Pipe	A	From Face	1.00	0.000	155.00	No Ice	0.87	0.87	0.01
			0.000			1/2" Ice	1.12	1.12	0.02
			0.000			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
2.4" Dia x 4-ft Mount Pipe	B	From Face	1.00	0.000	155.00	No Ice	0.87	0.87	0.01
			0.000			1/2" Ice	1.12	1.12	0.02
			0.000			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
2.4" Dia x 4-ft Mount Pipe	C	From Face	1.00	0.000	155.00	No Ice	0.87	0.87	0.01
			0.000			1/2" Ice	1.12	1.12	0.02
			0.000			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
Side Arm Mount [SO 102-3]	C	None		0.000	155.00	No Ice	3.60	3.60	0.07
						1/2" Ice	4.18	4.18	0.11
						1" Ice	4.75	4.75	0.14
						2" Ice	5.90	5.90	0.20
142									
ERICSSON AIR 21 B2A	A	From	4.00	0.000	142.00	No Ice	3.14	2.59	0.11
B4P w/ Mount Pipe		Centroid-Face	0.000			1/2" Ice	3.45	2.88	0.16
			3.000			1" Ice	3.77	3.19	0.23
						2" Ice	4.43	3.84	0.38
ERICSSON AIR 21 B2A	B	From	4.00	0.000	142.00	No Ice	3.14	2.59	0.11
B4P w/ Mount Pipe		Centroid-Face	0.000			1/2" Ice	3.45	2.88	0.16
			3.000			1" Ice	3.77	3.19	0.23
						2" Ice	4.43	3.84	0.38
ERICSSON AIR 21 B2A	C	From	4.00	0.000	142.00	No Ice	3.14	2.59	0.11
B4P w/ Mount Pipe		Centroid-Face	0.000			1/2" Ice	3.45	2.88	0.16
			3.000			1" Ice	3.77	3.19	0.23
						2" Ice	4.43	3.84	0.38
AIR 32 B2A B66AA w/	A	From	4.00	0.000	142.00	No Ice	3.76	3.15	0.19
Mount Pipe		Centroid-Face	0.000			1/2" Ice	4.12	3.49	0.25
			3.000			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR 32 B2A B66AA w/	B	From	4.00	0.000	142.00	No Ice	3.76	3.15	0.19
Mount Pipe		Centroid-Face	0.000			1/2" Ice	4.12	3.49	0.25
			3.000			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR 32 B2A B66AA w/	C	From	4.00	0.000	142.00	No Ice	3.76	3.15	0.19
Mount Pipe		Centroid-Face	0.000			1/2" Ice	4.12	3.49	0.25
			3.000			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
APXVAARR24_43-U-NA20	A	From	4.00	0.000	142.00	No Ice	14.69	6.87	0.19
w/ Mount Pipe		Centroid-Face	0.000			1/2" Ice	15.46	7.55	0.31
			3.000			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20	B	From	4.00	0.000	142.00	No Ice	14.69	6.87	0.19

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
w/ Mount Pipe		Centroid-Face	0.000 3.000			1/2" Ice 1" Ice 2" Ice	15.46 16.23 17.82	7.55 8.25 9.67	0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Centroid-Face	4.00 0.000 3.000	0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.19 0.31 0.46 0.79
KRY 112 144/1	A	From Centroid-Face	4.00 0.000 3.000	0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	B	From Centroid-Face	4.00 0.000 3.000	0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	C	From Centroid-Face	4.00 0.000 3.000	0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
RADIO 4449 B12/B71	A	From Centroid-Face	4.00 0.000 3.000	0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Centroid-Face	4.00 0.000 3.000	0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Centroid-Face	4.00 0.000 3.000	0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
Platform Mount [LP 602-1_KCKR]	C	None		0.000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	42.30 49.04 55.87 69.85	42.30 49.04 55.87 69.85	1.62 2.38 3.27 5.40
132									
MX08FRO665-20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
MX08FRO665-20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
MX08FRO665-20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
TA08025-B604	A	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	B	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	C	From	4.00	0.000	132.00	No Ice	1.96	0.98	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.000 0.000			1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.71	1.11 1.25 1.55	0.08 0.10 0.15
TA08025-B605	A	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	B	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	C	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
RDIDC-9181-PF-48	A	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.01 2.19 2.37 2.76	1.17 1.31 1.46 1.78	0.02 0.04 0.06 0.11
(2) 2.4" Dia x 6-ft Pipe	A	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	B	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	C	From Centroid-Leg	4.00 0.000 0.000	0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 716-1]	C	None		0.000	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	26.80 32.20 37.60 48.40	26.80 32.20 37.60 48.40	1.51 1.81 2.11 2.72
116									
MT6407-77A w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/	C	From	4.00	0.000	116.00	No Ice	5.50	4.38	0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Mount Pipe		Centroid-Leg	0.000 1.000			1/2" Ice 1" Ice 2" Ice	5.97 6.45 7.44	4.84 5.30 6.26	0.17 0.25 0.46
LPA-80080/4CF w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.11 3.58 4.02 4.90	6.82 7.65 8.35 9.81	0.03 0.08 0.14 0.27
LPA-80080-4CF-EDIN-0 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.22 3.59 4.34	6.57 7.19 7.84 9.17	0.03 0.08 0.13 0.25
(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.38 6.78 7.19 8.03	6.56 7.19 7.84 9.17	0.04 0.10 0.18 0.34
(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.38 6.78 7.19 8.03	6.56 7.19 7.84 9.17	0.04 0.10 0.18 0.34
DB-T1-6Z-8AB-0Z	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	0.04 0.08 0.12 0.21
DB-T1-6Z-8AB-0Z	B	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	0.04 0.08 0.12 0.21
CBC78T-DS-43-2X	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	B	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	C	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
RFV01U-D1A	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	B	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	C	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
(2) RFV01U-D2A	A	From Centroid-Leg	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
(2) RFV01U-D2A	B	From Centroid-Le	4.00 0.000	0.000	116.00	No Ice 1/2" Ice	1.88 2.05	1.01 1.14	0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		g	1.000			1" Ice	2.22	1.28	0.11
						2" Ice	2.60	1.59	0.15
(2) RFV01U-D2A	C	From Centroid-Le g	4.00 0.000 1.000	0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
Platform Mount [LP 303-1_HR-1]	C	None		0.000	116.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.09 21.47 25.72 33.96	17.09 21.47 25.72 33.96	1.50 1.88 2.35 3.52
** **96**									
AM-X-CD-14-65-00T-RET w/ Mount Pipe	A	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.99 3.30 3.62 4.28	2.14 2.43 2.73 3.36	0.05 0.10 0.14 0.27
AM-X-CD-14-65-00T-RET w/ Mount Pipe	B	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.99 3.30 3.62 4.28	2.14 2.43 2.73 3.36	0.05 0.10 0.14 0.27
AM-X-CD-14-65-00T-RET w/ Mount Pipe	C	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.99 3.30 3.62 4.28	2.14 2.43 2.73 3.36	0.05 0.10 0.14 0.27
(2) 7770.00 w/ Mount Pipe	A	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
GPS_A	B	From Leg	4.00 0.000 7.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.11 0.21 0.28 0.44	0.11 0.21 0.28 0.44	0.00 0.00 0.01 0.02
(2) TT19-08BP111-001	A	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.64 0.74 0.97	0.44 0.53 0.63 0.84	0.02 0.02 0.03 0.05
(2) TT19-08BP111-001	B	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.64 0.74 0.97	0.44 0.53 0.63 0.84	0.02 0.02 0.03 0.05
(2) TT19-08BP111-001	C	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.64 0.74 0.97	0.44 0.53 0.63 0.84	0.02 0.02 0.03 0.05
DC6-48-60-18-8F	A	From Leg	4.00 0.000 2.000	0.000	96.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
RRUS 12 B2	A	From Leg	2.00	0.000	96.00	No Ice	3.15	1.29	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	3.36	1.44	0.07
			2.000			1" Ice	3.59	1.60	0.10
						2" Ice	4.07	1.95	0.16
RRUS 12 B2	B	From Leg	2.00	0.000	96.00	No Ice	3.15	1.29	0.05
			0.000			1/2" Ice	3.36	1.44	0.07
			2.000			1" Ice	3.59	1.60	0.10
						2" Ice	4.07	1.95	0.16
RRUS 12 B2	C	From Leg	2.00	0.000	96.00	No Ice	3.15	1.29	0.05
			0.000			1/2" Ice	3.36	1.44	0.07
			2.000			1" Ice	3.59	1.60	0.10
						2" Ice	4.07	1.95	0.16
RRUS 11	A	From Leg	2.00	0.000	96.00	No Ice	2.79	1.19	0.05
			0.000			1/2" Ice	3.00	1.34	0.07
			2.000			1" Ice	3.21	1.50	0.10
						2" Ice	3.67	1.84	0.15
RRUS 11	B	From Leg	2.00	0.000	96.00	No Ice	2.79	1.19	0.05
			0.000			1/2" Ice	3.00	1.34	0.07
			2.000			1" Ice	3.21	1.50	0.10
						2" Ice	3.67	1.84	0.15
RRUS 11	C	From Leg	2.00	0.000	96.00	No Ice	2.79	1.19	0.05
			0.000			1/2" Ice	3.00	1.34	0.07
			2.000			1" Ice	3.21	1.50	0.10
						2" Ice	3.67	1.84	0.15
2.4" Dia x 4-ft Mount Pipe	A	From Leg	2.00	0.000	96.00	No Ice	0.87	0.87	0.01
			0.000			1/2" Ice	1.12	1.12	0.02
			0.000			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
2.4" Dia x 4-ft Mount Pipe	B	From Leg	2.00	0.000	96.00	No Ice	0.87	0.87	0.01
			0.000			1/2" Ice	1.12	1.12	0.02
			0.000			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
2.4" Dia x 4-ft Mount Pipe	C	From Leg	2.00	0.000	96.00	No Ice	0.87	0.87	0.01
			0.000			1/2" Ice	1.12	1.12	0.02
			0.000			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06
T-Arm Mount [TA 602-3]	C	None		0.000	96.00	No Ice	13.40	13.40	0.77
						1/2" Ice	16.44	16.44	1.00
						1" Ice	19.70	19.70	1.29
						2" Ice	25.86	25.86	2.05
92									
KS24019-L112A	C	From Leg	3.00	0.000	92.00	No Ice	0.08	0.08	0.01
			0.000			1/2" Ice	0.13	0.13	0.01
			1.000			1" Ice	0.19	0.19	0.01
						2" Ice	0.35	0.35	0.02
2.4" Dia x 2.5-ft Mount Pipe	C	From Leg	3.00	0.000	92.00	No Ice	0.46	0.46	0.01
			0.000			1/2" Ice	0.62	0.62	0.01
			0.000			1" Ice	0.78	0.78	0.02
						2" Ice	1.15	1.15	0.04
Side Arm Mount [SO 701-1]	C	From Leg	1.50	0.000	92.00	No Ice	0.85	1.67	0.07
			0.000			1/2" Ice	1.14	2.34	0.08
			0.000			1" Ice	1.43	3.01	0.09
						2" Ice	2.01	4.35	0.12
87									
2.4" Dia x 4-ft Mount Pipe	C	From Face	3.00	0.000	87.00	No Ice	0.87	0.87	0.01
			0.000			1/2" Ice	1.12	1.12	0.02
			0.000			1" Ice	1.37	1.37	0.03
						2" Ice	1.91	1.91	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
2.4" Dia x 4-ft Mount Pipe	A	From Leg	3.00 0.000 0.000	0.000	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.12 1.37 1.91	0.87 1.12 1.37 1.91	0.01 0.02 0.03 0.06
Side Arm Mount [SO 701-1]	C	From Face	1.50 0.000 0.000	0.000	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.000 0.000	0.000	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
HSS 4"x4"x4'-0"	A	From Leg	0.00 0.000 0.000	0.000	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.60 1.89 2.19 2.81	0.13 0.18 0.24 0.37	0.05 0.06 0.08 0.13
HSS 4"x4"x4'-0"	C	From Face	0.00 0.000 0.000	0.000	87.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.60 1.89 2.19 2.81	0.13 0.18 0.24 0.37	0.05 0.06 0.08 0.13
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Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice

Comb. No.	Description
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 Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	20.551	44	1.143	0.001
L2	155 - 150	19.355	44	1.141	0.001
L3	150 - 145	18.164	44	1.133	0.001
L4	145 - 140	16.983	44	1.121	0.001
L5	140 - 135	15.818	44	1.103	0.001
L6	135 - 130	14.675	44	1.078	0.001
L7	130 - 125	13.562	44	1.047	0.001
L8	125 - 117.333	12.486	44	1.008	0.001
L9	122 - 117	11.861	44	0.982	0.001
L10	117 - 112	10.843	44	0.959	0.001
L11	112 - 107	9.861	44	0.916	0.000
L12	107 - 102	8.927	44	0.867	0.000
L13	102 - 97	8.046	44	0.815	0.000
L14	97 - 95.83	7.221	44	0.759	0.000
L15	95.83 - 95.58	7.037	44	0.746	0.000
L16	95.58 - 90.58	6.998	44	0.744	0.000
L17	90.58 - 89.83	6.242	44	0.699	0.000
L18	89.83 - 89.58	6.132	44	0.692	0.000
L19	89.58 - 82.5	6.096	44	0.689	0.000
L20	88 - 81.5	5.871	44	0.670	0.000
L21	81.5 - 76.5	4.985	44	0.628	0.000
L22	76.5 - 74.25	4.356	44	0.574	0.000
L23	74.25 - 74	4.091	44	0.550	0.000
L24	74 - 69	4.063	44	0.547	0.000
L25	69 - 64	3.512	44	0.504	0.000
L26	64 - 59	3.008	44	0.459	0.000

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L27	59 - 55.75	2.551	44	0.413	0.000
L28	55.75 - 55.5	2.280	44	0.384	0.000
L29	55.5 - 50.5	2.260	44	0.382	0.000
L30	50.5 - 47.75	1.878	44	0.347	0.000
L31	47.75 - 47.5	1.684	44	0.328	0.000
L32	47.5 - 40.5833	1.667	44	0.325	0.000
L33	47 - 39.5833	1.633	44	0.319	0.000
L34	39.5833 - 34.5833	1.163	44	0.285	0.000
L35	34.5833 - 30.75	0.882	44	0.251	0.000
L36	30.75 - 30.5	0.691	44	0.225	0.000
L37	30.5 - 29	0.680	44	0.222	0.000
L38	29 - 28.75	0.612	44	0.206	0.000
L39	28.75 - 23.75	0.602	44	0.204	0.000
L40	23.75 - 18.75	0.407	44	0.167	0.000
L41	18.75 - 13.75	0.252	44	0.130	0.000
L42	13.75 - 13	0.135	44	0.093	0.000
L43	13 - 12.75	0.121	44	0.087	0.000
L44	12.75 - 8.25	0.116	44	0.086	0.000
L45	8.25 - 8	0.049	44	0.057	0.000
L46	8 - 3	0.046	44	0.055	0.000
L47	3 - 0	0.007	44	0.021	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.00	APXVSPP18-C-A20 w/ Mount Pipe	44	20.311	1.142	0.001	62615
155.00	800MHZ 2X50W RRH W/FILTER	44	19.355	1.141	0.001	62615
142.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	44	16.282	1.111	0.001	15467
132.00	MX08FRO665-20 w/ Mount Pipe	44	14.003	1.060	0.001	8921
116.00	MT6407-77A w/ Mount Pipe	44	10.643	0.953	0.001	7936
96.00	AM-X-CD-14-65-00T-RET w/ Mount Pipe	44	7.063	0.748	0.000	5643
92.00	KS24019-L112A	44	6.452	0.712	0.000	6118
87.00	2.4" Dia x 4-ft Mount Pipe	44	5.731	0.660	0.000	7414

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	111.070	12	6.190	0.003
L2	155 - 150	104.613	12	6.179	0.003
L3	150 - 145	98.182	12	6.140	0.003
L4	145 - 140	91.807	12	6.073	0.003
L5	140 - 135	85.514	12	5.978	0.003
L6	135 - 130	79.341	12	5.842	0.003
L7	130 - 125	73.329	12	5.670	0.003
L8	125 - 117.333	67.513	12	5.461	0.003
L9	122 - 117	64.134	12	5.320	0.003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L10	117 - 112	58.636	12	5.197	0.003
L11	112 - 107	53.328	12	4.960	0.002
L12	107 - 102	48.280	12	4.698	0.002
L13	102 - 97	43.516	12	4.414	0.002
L14	97 - 95.83	39.057	12	4.112	0.002
L15	95.83 - 95.58	38.060	12	4.040	0.002
L16	95.58 - 90.58	37.849	12	4.029	0.002
L17	90.58 - 89.83	33.761	12	3.787	0.001
L18	89.83 - 89.58	33.170	12	3.749	0.001
L19	89.58 - 82.5	32.974	12	3.732	0.001
L20	88 - 81.5	31.758	12	3.625	0.001
L21	81.5 - 76.5	26.966	12	3.398	0.001
L22	76.5 - 74.25	23.562	12	3.108	0.001
L23	74.25 - 74	22.130	12	2.975	0.001
L24	74 - 69	21.974	12	2.964	0.001
L25	69 - 64	18.997	12	2.727	0.001
L26	64 - 59	16.269	12	2.484	0.001
L27	59 - 55.75	13.798	12	2.237	0.001
L28	55.75 - 55.5	12.331	12	2.075	0.001
L29	55.5 - 50.5	12.223	12	2.066	0.001
L30	50.5 - 47.75	10.159	12	1.877	0.000
L31	47.75 - 47.5	9.108	12	1.773	0.000
L32	47.5 - 40.5833	9.016	12	1.757	0.000
L33	47 - 39.5833	8.833	12	1.726	0.000
L34	39.5833 - 34.5833	6.287	12	1.540	0.000
L35	34.5833 - 30.75	4.770	12	1.357	0.000
L36	30.75 - 30.5	3.738	12	1.215	0.000
L37	30.5 - 29	3.675	12	1.200	0.000
L38	29 - 28.75	3.311	12	1.115	0.000
L39	28.75 - 23.75	3.253	12	1.105	0.000
L40	23.75 - 18.75	2.202	12	0.903	0.000
L41	18.75 - 13.75	1.361	12	0.702	0.000
L42	13.75 - 13	0.730	12	0.503	0.000
L43	13 - 12.75	0.654	12	0.473	0.000
L44	12.75 - 8.25	0.629	12	0.464	0.000
L45	8.25 - 8	0.266	12	0.307	0.000
L46	8 - 3	0.250	12	0.298	0.000
L47	3 - 0	0.035	12	0.112	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.00	APXVSPP18-C-A20 w/ Mount Pipe	12	109.777	6.189	0.003	11827
155.00	800MHZ 2X50W RRH W/FILTER	12	104.613	6.179	0.003	11827
142.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	12	88.019	6.020	0.003	2918
132.00	MX08FRO665-20 w/ Mount Pipe	12	75.712	5.742	0.003	1680
116.00	MT6407-77A w/ Mount Pipe	12	57.557	5.161	0.003	1488
96.00	AM-X-CD-14-65-00T-RET w/ Mount Pipe	12	38.204	4.049	0.002	1053
92.00	KS24019-L112A	12	34.896	3.854	0.002	1141
87.00	2.4" Dia x 4-ft Mount Pipe	12	31.000	3.573	0.001	1381

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	160 - 155 (1)	TP23.3x22.35x0.219	5.00	0.00	0.0	16.258	-2.74	951.10	0.003
L2	155 - 150 (2)	TP24.251x23.3x0.219	5.00	0.00	0.0	16.928	-3.52	990.26	0.004
L3	150 - 145 (3)	TP25.201x24.251x0.219	5.00	0.00	0.0	17.597	-3.85	1029.42	0.004
L4	145 - 140 (4)	TP26.152x25.201x0.219	5.00	0.00	0.0	18.266	-7.78	1068.59	0.007
L5	140 - 135 (5)	TP27.102x26.152x0.219	5.00	0.00	0.0	18.936	-8.24	1107.75	0.007
L6	135 - 130 (6)	TP28.052x27.102x0.219	5.00	0.00	0.0	19.605	-11.27	1146.91	0.010
L7	130 - 125 (7)	TP29.003x28.052x0.219	5.00	0.00	0.0	20.275	-11.80	1186.07	0.010
L8	125 - 117.333 (8)	TP30.46x29.003x0.219	7.67	0.00	0.0	20.676	-12.13	1209.57	0.010
L9	117.333 - 117 (9)	TP30.085x29.135x0.281	5.00	0.00	0.0	26.991	-13.17	1579.00	0.008
L10	117 - 112 (10)	TP31.035x30.085x0.281	5.00	0.00	0.0	27.852	-17.57	1629.32	0.011
L11	112 - 107 (11)	TP31.985x31.035x0.281	5.00	0.00	0.0	28.712	-18.37	1679.65	0.011
L12	107 - 102 (12)	TP32.935x31.985x0.281	5.00	0.00	0.0	29.572	-19.19	1729.98	0.011
L13	102 - 97 (13)	TP33.885x32.935x0.281	5.00	0.00	0.0	30.433	-20.92	1780.30	0.012
L14	97 - 95.83 (14)	TP34.107x33.885x0.281	1.17	0.00	0.0	30.634	-23.26	1792.08	0.013
L15	95.83 - 95.58 (15)	TP34.155x34.107x0.381	0.25	0.00	0.0	41.461	-23.39	2425.49	0.010
L16	95.58 - 90.58 (16)	TP35.105x34.155x0.381	5.00	0.00	0.0	42.628	-25.64	2493.72	0.010
L17	90.58 - 89.83 (17)	TP35.247x35.105x0.375	0.75	0.00	0.0	42.108	-25.95	2463.34	0.011
L18	89.83 - 89.58 (18)	TP35.295x35.247x0.281	0.25	0.00	0.0	31.709	-26.00	1854.99	0.014
L19	89.58 - 82.5 (19)	TP36.64x35.295x0.281	7.08	0.00	0.0	31.981	-26.30	1870.89	0.014
L20	82.5 - 81.5 (20)	TP36.266x35.033x0.375	6.50	0.00	0.0	43.338	-28.81	2535.29	0.011
L21	81.5 - 76.5 (21)	TP37.215x36.266x0.375	5.00	0.00	0.0	44.484	-30.06	2602.31	0.012
L22	76.5 - 74.25 (22)	TP37.642x37.215x0.375	2.25	0.00	0.0	45.000	-30.64	2632.47	0.012
L23	74.25 - 74 (23)	TP37.689x37.642x0.488	0.25	0.00	0.0	58.397	-30.73	3416.24	0.009
L24	74 - 69 (24)	TP38.638x37.689x0.481	5.00	0.00	0.0	59.128	-32.23	3459.01	0.009
L25	69 - 64 (25)	TP39.587x38.638x0.475	5.00	0.00	0.0	59.821	-33.77	3499.54	0.010
L26	64 - 59 (26)	TP40.535x39.587x0.475	5.00	0.00	0.0	61.272	-35.35	3584.43	0.010
L27	59 - 55.75 (27)	TP41.152x40.535x0.475	3.25	0.00	0.0	62.216	-36.39	3639.61	0.010
L28	55.75 - 55.5 (28)	TP41.2x41.152x0.638	0.25	0.00	0.0	83.264	-36.50	4870.93	0.007
L29	55.5 - 50.5 (29)	TP42.148x41.2x0.638	5.00	0.00	0.0	85.211	-38.48	4984.86	0.008
L30	50.5 - 47.75 (30)	TP42.67x42.148x0.638	2.75	0.00	0.0	86.282	-39.59	5047.52	0.008
L31	47.75 - 47.5 (31)	TP42.718x42.67x0.375	0.25	0.00	0.0	51.129	-39.67	2991.02	0.013
L32	47.5 - 40.5833 (32)	TP44.03x42.718x0.375	6.92	0.00	0.0	51.243	-39.81	2997.73	0.013
L33	40.5833 - 39.5833 (33)	TP43.473x42.062x0.7	7.42	0.00	0.0	96.410	-44.41	5639.98	0.008
L34	39.5833 - 34.5833 (34)	TP44.424x43.473x0.7	5.00	0.00	0.0	98.553	-46.68	5765.35	0.008
L35	34.5833 - 30.75 (35)	TP45.153x44.424x0.688	3.83	0.00	0.0	98.435	-48.43	5758.42	0.008
L36	30.75 - 30.5 (36)	TP45.2x45.153x0.438	0.25	0.00	0.0	63.059	-48.53	3688.97	0.013

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L37	30.5 - 29 (37)	TP45.485x45.2x0.438	1.50	0.00	0.0	63.461	-49.02	3712.48	0.013
L38	29 - 28.75 (38)	TP45.533x45.485x0.638	0.25	0.00	0.0	92.159	-49.16	5391.30	0.009
L39	28.75 - 23.75 (39)	TP46.484x45.533x0.625	5.00	0.00	0.0	92.291	-51.34	5399.00	0.010
L40	23.75 - 18.75 (40)	TP47.434x46.484x0.625	5.00	0.00	0.0	94.204	-53.57	5510.94	0.010
L41	18.75 - 13.75 (41)	TP48.385x47.434x0.625	5.00	0.00	0.0	96.118	-55.83	5622.88	0.010
L42	13.75 - 13 (42)	TP48.528x48.385x0.625	0.75	0.00	0.0	96.405	-56.18	5639.67	0.010
L43	13 - 12.75 (43)	TP48.575x48.528x0.713	0.25	0.00	0.0	109.810	-56.32	6423.86	0.009
L44	12.75 - 8.25 (44)	TP49.431x48.575x0.713	4.50	0.00	0.0	111.773	-58.68	6538.71	0.009
L45	8.25 - 8 (45)	TP49.479x49.431x0.663	0.25	0.00	0.0	104.137	-58.83	6092.03	0.010
L46	8 - 3 (46)	TP50.43x49.479x0.663	5.00	0.00	0.0	106.165	-61.48	6210.68	0.010
L47	3 - 0 (47)	TP51x50.43x0.65	3.00	0.00	0.0	105.383	-63.10	6164.88	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	160 - 155 (1)	TP23.3x22.35x0.219	18.80	515.54	0.036	0.00	515.54	0.000
L2	155 - 150 (2)	TP24.251x23.3x0.219	47.17	549.62	0.086	0.00	549.62	0.000
L3	150 - 145 (3)	TP25.201x24.251x0.219	78.27	583.92	0.134	0.00	583.92	0.000
L4	145 - 140 (4)	TP26.152x25.201x0.219	128.64	618.37	0.208	0.00	618.37	0.000
L5	140 - 135 (5)	TP27.102x26.152x0.219	189.44	652.87	0.290	0.00	652.87	0.000
L6	135 - 130 (6)	TP28.052x27.102x0.219	259.36	687.34	0.377	0.00	687.34	0.000
L7	130 - 125 (7)	TP29.003x28.052x0.219	341.34	721.67	0.473	0.00	721.67	0.000
L8	125 - 117.333 (8)	TP30.46x29.003x0.219	391.91	742.18	0.528	0.00	742.18	0.000
L9	117.333 - 117 (9)	TP30.085x29.135x0.281	478.72	1103.26	0.434	0.00	1103.26	0.000
L10	117 - 112 (10)	TP31.035x30.085x0.281	591.94	1159.56	0.510	0.00	1159.56	0.000
L11	112 - 107 (11)	TP31.985x31.035x0.281	709.62	1216.18	0.583	0.00	1216.18	0.000
L12	107 - 102 (12)	TP32.935x31.985x0.281	830.20	1273.01	0.652	0.00	1273.01	0.000
L13	102 - 97 (13)	TP33.885x32.935x0.281	955.61	1329.97	0.719	0.00	1329.97	0.000
L14	97 - 95.83 (14)	TP34.107x33.885x0.281	990.27	1343.31	0.737	0.00	1343.31	0.000
L15	95.83 - 95.58 (15)	TP34.155x34.107x0.381	997.49	2046.93	0.487	0.00	2046.93	0.000
L16	95.58 - 90.58 (16)	TP35.105x34.155x0.381	1145.72	2144.66	0.534	0.00	2144.66	0.000
L17	90.58 - 89.83 (17)	TP35.247x35.105x0.375	1168.63	2113.06	0.553	0.00	2113.06	0.000
L18	89.83 - 89.58 (18)	TP35.295x35.247x0.281	1176.28	1414.56	0.832	0.00	1414.56	0.000
L19	89.58 - 82.5 (19)	TP36.64x35.295x0.281	1224.83	1432.56	0.855	0.00	1432.56	0.000
L20	82.5 - 81.5 (20)	TP36.266x35.033x0.375	1429.80	2216.39	0.645	0.00	2216.39	0.000
L21	81.5 - 76.5 (21)	TP37.215x36.266x0.375	1592.41	2313.57	0.688	0.00	2313.57	0.000
L22	76.5 - 74.25 (22)	TP37.642x37.215x0.375	1666.65	2357.57	0.707	0.00	2357.57	0.000
L23	74.25 - 74 (23)	TP37.689x37.642x0.488	1674.94	3245.64	0.516	0.00	3245.64	0.000
L24	74 - 69 (24)	TP38.638x37.689x0.481	1842.63	3372.28	0.546	0.00	3372.28	0.000
L25	69 - 64 (25)	TP39.587x38.638x0.475	2013.84	3495.23	0.576	0.00	3495.23	0.000
L26	64 - 59 (26)	TP40.535x39.587x0.475	2188.47	3641.73	0.601	0.00	3641.73	0.000
L27	59 - 55.75 (27)	TP41.152x40.535x0.475	2303.78	3737.84	0.616	0.00	3737.84	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 $\frac{M_{uy}}{\phi M_{ny}}$
L28	55.75 - 55.5 (28)	TP41.2x41.152x0.638	2312.70	5032.73	0.460	0.00	5032.73	0.000
L29	55.5 - 50.5 (29)	TP42.148x41.2x0.638	2493.05	5272.79	0.473	0.00	5272.79	0.000
L30	50.5 - 47.75 (30)	TP42.67x42.148x0.638	2593.71	5407.20	0.480	0.00	5407.20	0.000
L31	47.75 - 47.5 (31)	TP42.718x42.67x0.375	2602.91	2890.26	0.901	0.00	2890.26	0.000
L32	47.5 - 40.5833 (32)	TP44.03x42.718x0.375	2621.32	2900.34	0.904	0.00	2900.34	0.000
L33	40.5833 - 39.5833 (33)	TP43.473x42.062x0.7	2898.59	6141.02	0.472	0.00	6141.02	0.000
L34	39.5833 - 34.5833 (34)	TP44.424x43.473x0.7	3089.43	6419.32	0.481	0.00	6419.32	0.000
L35	34.5833 - 30.75 (35)	TP45.153x44.424x0.688	3237.60	6523.85	0.496	0.00	6523.85	0.000
L36	30.75 - 30.5 (36)	TP45.2x45.153x0.438	3247.32	3925.05	0.827	0.00	3925.05	0.000
L37	30.5 - 29 (37)	TP45.485x45.2x0.438	3305.73	3965.51	0.834	0.00	3965.51	0.000
L38	29 - 28.75 (38)	TP45.533x45.485x0.638	3315.48	6174.72	0.537	0.00	6174.72	0.000
L39	28.75 - 23.75 (39)	TP46.484x45.533x0.625	3511.89	6319.77	0.556	0.00	6319.77	0.000
L40	23.75 - 18.75 (40)	TP47.434x46.484x0.625	3710.78	6586.34	0.563	0.00	6586.34	0.000
L41	18.75 - 13.75 (41)	TP48.385x47.434x0.625	3912.13	6858.42	0.570	0.00	6858.42	0.000
L42	13.75 - 13 (42)	TP48.528x48.385x0.625	3942.54	6899.72	0.571	0.00	6899.72	0.000
L43	13 - 12.75 (43)	TP48.575x48.528x0.713	3952.70	7838.33	0.504	0.00	7838.33	0.000
L44	12.75 - 8.25 (44)	TP49.431x48.575x0.713	4136.63	8123.21	0.509	0.00	8123.21	0.000
L45	8.25 - 8 (45)	TP49.479x49.431x0.663	4146.91	7591.32	0.546	0.00	7591.32	0.000
L46	8 - 3 (46)	TP50.43x49.479x0.663	4354.07	7891.92	0.552	0.00	7891.92	0.000
L47	3 - 0 (47)	TP51x50.43x0.65	4479.65	7928.64	0.565	0.00	7928.64	0.000

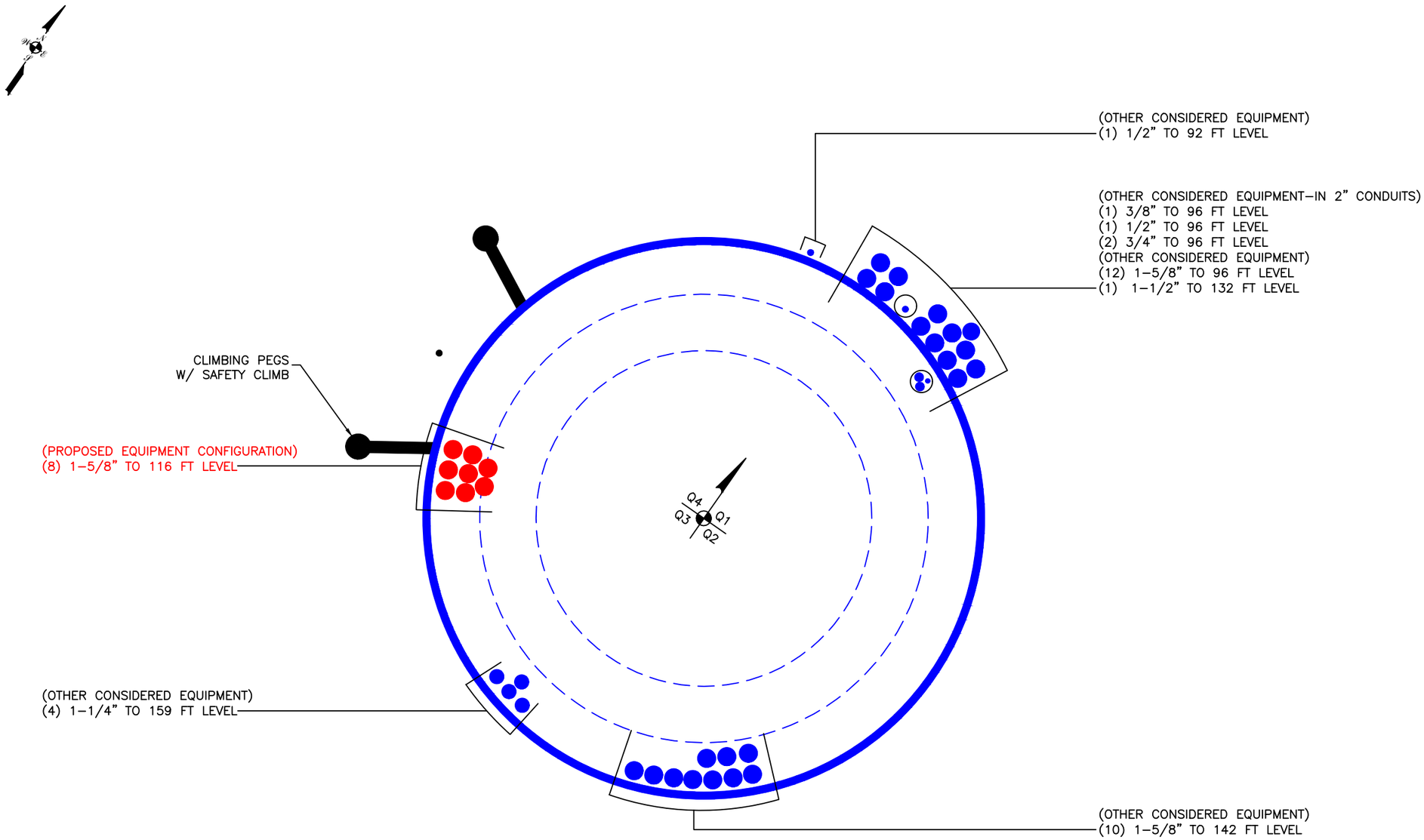
Pole Shear Design Data

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	160 - 155 (1)	TP23.3x22.35x0.219	4.53	285.33	0.016	0.00	579.31	0.000
L2	155 - 150 (2)	TP24.251x23.3x0.219	5.95	297.08	0.020	0.00	628.00	0.000
L3	150 - 145 (3)	TP25.201x24.251x0.219	6.50	308.83	0.021	0.00	678.66	0.000
L4	145 - 140 (4)	TP26.152x25.201x0.219	11.88	320.58	0.037	0.00	731.27	0.000
L5	140 - 135 (5)	TP27.102x26.152x0.219	12.45	332.32	0.037	0.00	785.86	0.000
L6	135 - 130 (6)	TP28.052x27.102x0.219	16.11	344.07	0.047	0.10	842.40	0.000
L7	130 - 125 (7)	TP29.003x28.052x0.219	16.69	355.82	0.047	0.10	900.91	0.000
L8	125 - 117.333 (8)	TP30.46x29.003x0.219	17.04	362.87	0.047	0.10	936.96	0.000
L9	117.333 - 117 (9)	TP30.085x29.135x0.281	17.70	473.70	0.037	0.10	1241.88	0.000
L10	117 - 112 (10)	TP31.035x30.085x0.281	23.25	488.80	0.048	0.48	1322.30	0.000
L11	112 - 107 (11)	TP31.985x31.035x0.281	23.83	503.89	0.047	0.48	1405.25	0.000
L12	107 - 102 (12)	TP32.935x31.985x0.281	24.41	518.99	0.047	0.48	1490.72	0.000
L13	102 - 97 (13)	TP33.885x32.935x0.281	25.72	534.09	0.048	0.53	1578.72	0.000
L14	97 - 95.83 (14)	TP34.107x33.885x0.281	28.86	537.62	0.054	0.75	1599.68	0.000
L15	95.83 - 95.58 (15)	TP34.155x34.107x0.381	28.92	727.65	0.040	0.76	2161.72	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 $\frac{T_u}{\phi T_n}$
L16	95.58 - 90.58 (16)	TP35.105x34.155x0.381	30.42	748.12	0.041	0.66	2285.03	0.000
L17	90.58 - 89.83 (17)	TP35.247x35.105x0.375	30.61	739.00	0.041	0.68	2266.88	0.000
L18	89.83 - 89.58 (18)	TP35.295x35.247x0.281	30.64	556.50	0.055	0.68	1713.96	0.000
L19	89.58 - 82.5 (19)	TP36.64x35.295x0.281	30.82	561.27	0.055	0.68	1743.47	0.000
L20	82.5 - 81.5 (20)	TP36.266x35.033x0.375	32.22	760.59	0.042	0.56	2401.23	0.000
L21	81.5 - 76.5 (21)	TP37.215x36.266x0.375	32.86	780.69	0.042	0.56	2529.86	0.000
L22	76.5 - 74.25 (22)	TP37.642x37.215x0.375	33.16	789.74	0.042	0.56	2588.84	0.000
L23	74.25 - 74 (23)	TP37.689x37.642x0.488	33.19	1024.87	0.032	0.56	3353.75	0.000
L24	74 - 69 (24)	TP38.638x37.689x0.481	33.91	1037.70	0.033	0.56	3482.92	0.000
L25	69 - 64 (25)	TP39.587x38.638x0.475	34.60	1049.86	0.033	0.56	3611.92	0.000
L26	64 - 59 (26)	TP40.535x39.587x0.475	35.28	1075.33	0.033	0.56	3789.28	0.000
L27	59 - 55.75 (27)	TP41.152x40.535x0.475	35.71	1091.88	0.033	0.56	3906.84	0.000
L28	55.75 - 55.5 (28)	TP41.2x41.152x0.638	35.73	1461.28	0.024	0.56	5213.77	0.000
L29	55.5 - 50.5 (29)	TP42.148x41.2x0.638	36.43	1495.46	0.024	0.56	5460.53	0.000
L30	50.5 - 47.75 (30)	TP42.67x42.148x0.638	36.80	1514.26	0.024	0.56	5598.67	0.000
L31	47.75 - 47.5 (31)	TP42.718x42.67x0.375	36.82	897.31	0.041	0.56	3342.09	0.000
L32	47.5 - 40.5833 (32)	TP44.03x42.718x0.375	36.88	899.32	0.041	0.56	3357.08	0.000
L33	40.5833 - 39.5833 (33)	TP43.473x42.062x0.7	37.90	1691.99	0.022	0.56	6365.99	0.000
L34	39.5833 - 34.5833 (34)	TP44.424x43.473x0.7	38.46	1729.60	0.022	0.56	6652.16	0.000
L35	34.5833 - 30.75 (35)	TP45.153x44.424x0.688	38.88	1727.53	0.023	0.56	6756.82	0.000
L36	30.75 - 30.5 (36)	TP45.2x45.153x0.438	38.89	1106.69	0.035	0.56	4357.53	0.000
L37	30.5 - 29 (37)	TP45.485x45.2x0.438	39.05	1113.74	0.035	0.56	4413.25	0.000
L38	29 - 28.75 (38)	TP45.533x45.485x0.638	39.04	1617.39	0.024	0.56	6387.28	0.000
L39	28.75 - 23.75 (39)	TP46.484x45.533x0.625	39.55	1619.70	0.024	0.56	6533.65	0.000
L40	23.75 - 18.75 (40)	TP47.434x46.484x0.625	40.04	1653.28	0.024	0.56	6807.38	0.000
L41	18.75 - 13.75 (41)	TP48.385x47.434x0.625	40.54	1686.86	0.024	0.56	7086.74	0.000
L42	13.75 - 13 (42)	TP48.528x48.385x0.625	40.61	1691.90	0.024	0.56	7129.13	0.000
L43	13 - 12.75 (43)	TP48.575x48.528x0.713	40.63	1927.16	0.021	0.56	8113.65	0.000
L44	12.75 - 8.25 (44)	TP49.431x48.575x0.713	41.14	1961.61	0.021	0.56	8406.33	0.000
L45	8.25 - 8 (45)	TP49.479x49.431x0.663	41.16	1827.61	0.023	0.56	7847.78	0.000
L46	8 - 3 (46)	TP50.43x49.479x0.663	41.73	1863.20	0.022	0.56	8156.47	0.000
L47	3 - 0 (47)	TP51x50.43x0.65	42.03	1849.46	0.023	0.56	8191.16	0.000

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 92 FT LEVEL
(OTHER CONSIDERED EQUIPMENT–IN 2" CONDUITS)
(1) 3/8" TO 96 FT LEVEL
(1) 1/2" TO 96 FT LEVEL
(2) 3/4" TO 96 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(12) 1–5/8" TO 96 FT LEVEL
(1) 1–1/2" TO 132 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB
(PROPOSED EQUIPMENT CONFIGURATION)
(8) 1–5/8" TO 116 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT)
(4) 1–1/4" TO 159 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(10) 1–5/8" TO 142 FT LEVEL

APPENDIX C

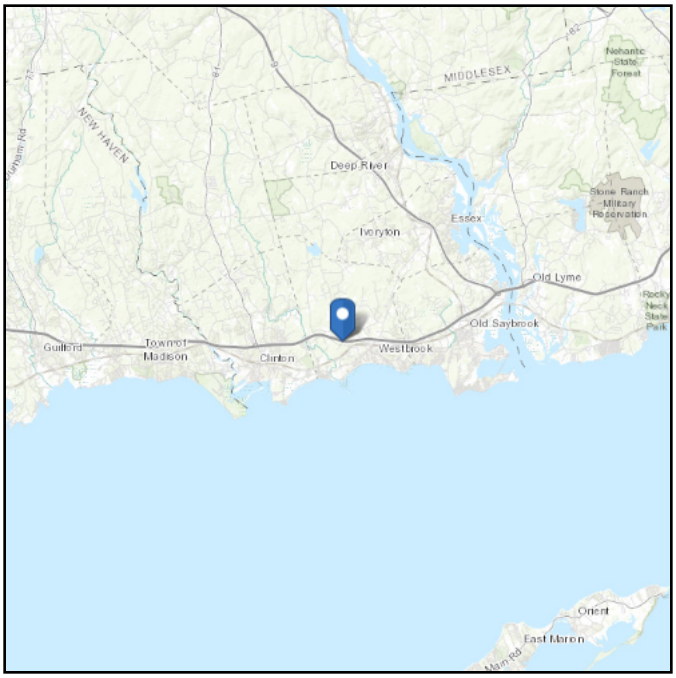
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 94.72 ft (NAVD 88)
Latitude: 41.290472
Longitude: -72.468861



Wind

Results:

Wind Speed:	131 Vmph 135 Vmph per Jurisdictional Requirement
10-year MRI	79 Vmph
25-year MRI	89 Vmph
50-year MRI	97 Vmph
100-year MRI	107 Vmph

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

Date Accessed: Wed Apr 28 2021

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

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

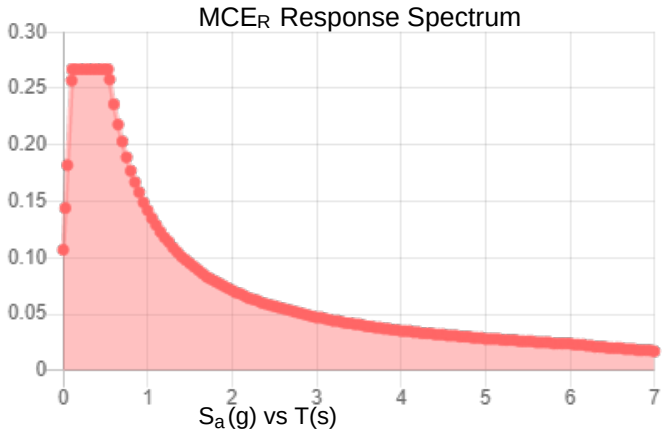
Seismic

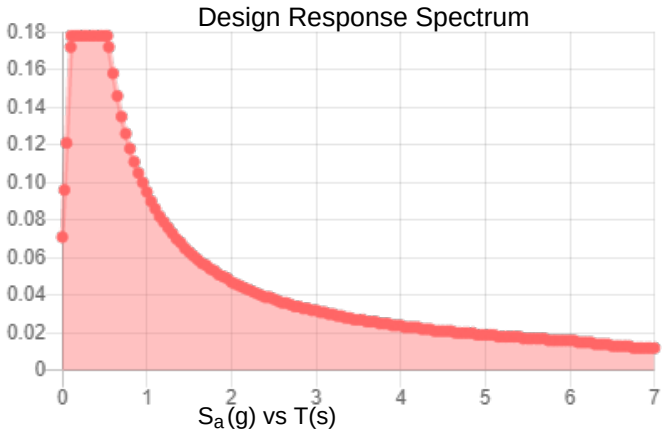
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.167	S_{DS} :	0.178
S_1 :	0.059	S_{D1} :	0.095
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.084
S_{MS} :	0.267	PGA_M :	0.134
S_{M1} :	0.142	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Wed Apr 28 2021

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Wed Apr 28 2021

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

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

CCIpole

per TIA-222- H

Site BU: 876339

Work Order: 1954117

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	160	42.6667	4.6667	12	22.35	30.46	0.21875	Auto	A572-65
2	122	39.5	5.5	12	29.14	36.64	0.28125	Auto	A572-65
3	88	47.4167	6.4167	12	35.03	44.03	0.375	Auto	A572-65
4	47	47	0	12	42.06	51	0.4375	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
1	0	8.25	plate	WPL 1.25x6.25 (65ksi)	1								x				
2	0	29	plate	WPL 1.25x6.875 (65ksi	2			x								x	
3	8.25	29	plate	PL 1.25x6.875 (65ksi)	1							x					
4	29	55.75	plate	PL 1.25x5.25 (65ksi)	3			x				x				x	
5	47.75	74.25	plate	ISP-UR-0754	3		x				x				x		
6	0	13	plate	MS-600 (1.1875")	3		x			x				x			
7	30.75	42.75	plate	MS-450 (1.1875")	3	x				x				x			
8	89.83	95.83	plate	MS-600 (1.1875")	3				x			x			x		
9																	
10																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	6.25	1.25	7.8125	0.625	Welded	n/a	PC 8.8 - M20 (100)	33.000	19.000	6.209	1.2205	A572-65
2	6.875	1.25	8.59375	0.625	Welded	n/a	PC 8.8 - M20 (100)	54.000	18.000	6.990	1.2205	A572-65
3	6.875	1.25	8.59375	0.625	PC 8.8 - M20 (100)	39	PC 8.8 - M20 (100)	54.000	18.000	6.990	1.2205	A572-65
4	5.25	1.25	6.5625	0.625	Welded	n/a	PC 8.8 - M20 (100)	27.000	22.000	4.959	1.2205	A572-65
5	4	1	4	0.5	PC 8.8 - M20 (100)	21	PC 8.8 - M20 (100)	21.000	20.000	2.750	1.1875	A514-GR100
6	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
7	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65
8	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
WPL 1.25x6.25 (65ksi)	Top	11	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	CJP Groove	6.25	1.25	45	0.5	-	-	-
WPL 1.25x6.875 (65ksi)	Top	18	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	CJP Groove	6.875	1.25	45	0.5	-	-	-
PL 1.25x6.875 (65ksi)	Top	18	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	13	N	3	3	-	-	-	-	-	-	-	-	-
PL 1.25x5.25 (65ksi)	Top	9	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	80	Fillet	5.25	-	-	0.5	9	0.500	-
ISP-UR-0754	Top	7	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	7	N	3	3	-	-	-	-	-	-	-	-	-

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	160 - 155	5		12	22.350	23.300	0.21875	A572-65	1.000
2	155 - 150	5		12	23.300	24.251	0.21875	A572-65	1.000
3	150 - 145	5		12	24.251	25.201	0.21875	A572-65	1.000
4	145 - 140	5		12	25.201	26.152	0.21875	A572-65	1.000
5	140 - 135	5		12	26.152	27.102	0.21875	A572-65	1.000
6	135 - 130	5		12	27.102	28.052	0.21875	A572-65	1.000
7	130 - 125	5		12	28.052	29.003	0.21875	A572-65	1.000
8	125 - 122	7.6667	4.6667	12	29.003	30.460	0.21875	A572-65	1.000
9	122 - 117	5		12	29.135	30.085	0.28125	A572-65	1.000
10	117 - 112	5		12	30.085	31.035	0.28125	A572-65	1.000
11	112 - 107	5		12	31.035	31.985	0.28125	A572-65	1.000
12	107 - 102	5		12	31.985	32.935	0.28125	A572-65	1.000
13	102 - 97	5		12	32.935	33.885	0.28125	A572-65	1.000
14	97 - 95.83	1.17		12	33.885	34.107	0.28125	A572-65	1.000
15	95.83 - 95.58	0.25		12	34.107	34.155	0.38125	A572-65	1.175
16	95.58 - 90.58	5		12	34.155	35.105	0.38125	A572-65	1.163
17	90.58 - 89.83	0.75		12	35.105	35.247	0.375	A572-65	1.180
18	89.83 - 89.58	0.25		12	35.247	35.295	0.28125	A572-65	1.000
19	89.58 - 88	7.08	5.5	12	35.295	36.640	0.28125	A572-65	1.000
20	88 - 81.5	6.5		12	35.033	36.266	0.375	A572-65	1.000
21	81.5 - 76.5	5		12	36.266	37.215	0.375	A572-65	1.000
22	76.5 - 74.25	2.25		12	37.215	37.642	0.375	A572-65	1.000
23	74.25 - 74	0.25		12	37.642	37.689	0.4875	A572-65	0.977
24	74 - 69	5		12	37.689	38.638	0.48125	A572-65	0.985
25	69 - 64	5		12	38.638	39.587	0.475	A572-65	0.992
26	64 - 59	5		12	39.587	40.535	0.475	A572-65	0.988
27	59 - 55.75	3.25		12	40.535	41.152	0.475	A572-65	0.985
28	55.75 - 55.5	0.25		12	41.152	41.200	0.6375	A572-65	0.973
29	55.5 - 50.5	5		12	41.200	42.148	0.6375	A572-65	0.964
30	50.5 - 47.75	2.75		12	42.148	42.670	0.6375	A572-65	0.960
31	47.75 - 47.5	0.25		12	42.670	42.718	0.375	A572-65	1.000
32	47.5 - 47	6.9167	6.4167	12	42.718	44.030	0.375	A572-65	1.000
33	47 - 39.5833	7.4167		12	42.062	43.473	0.7	A572-65	0.974
34	39.5833 - 34.5833	5		12	43.473	44.424	0.7	A572-65	0.966
35	34.5833 - 30.75	3.8333		12	44.424	45.153	0.6875	A572-65	0.978
36	30.75 - 30.5	0.25		12	45.153	45.200	0.4375	A572-65	1.000
37	30.5 - 29	1.5		12	45.200	45.485	0.4375	A572-65	1.000
38	29 - 28.75	0.25		12	45.485	45.533	0.6375	A572-65	0.969
39	28.75 - 23.75	5		12	45.533	46.484	0.625	A572-65	0.983
40	23.75 - 18.75	5		12	46.484	47.434	0.625	A572-65	0.977
41	18.75 - 13.75	5		12	47.434	48.385	0.625	A572-65	0.971
42	13.75 - 13	0.75		12	48.385	48.528	0.625	A572-65	0.971
43	13 - 12.75	0.25		12	48.528	48.575	0.7125	A572-65	1.017
44	12.75 - 8.25	4.5		12	48.575	49.431	0.7125	A572-65	1.010
45	8.25 - 8	0.25		12	49.431	49.479	0.6625	A572-65	1.077
46	8 - 3	5		12	49.479	50.430	0.6625	A572-65	1.069
47	3 - 0	3		12	50.430	51.000	0.65	A572-65	1.085

TNX Section Forces

Increment (ft): 5

	Section Height (ft)	TNX Output P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	160 - 155	2.74	18.80	4.53
2	155 - 150	3.52	47.17	5.95
3	150 - 145	3.85	78.27	6.50
4	145 - 140	7.78	128.64	11.88
5	140 - 135	8.24	189.44	12.45
6	135 - 130	11.27	259.36	16.11
7	130 - 125	11.80	341.34	16.69
8	125 - 122	12.13	391.91	17.04
9	122 - 117	13.17	478.72	17.70
10	117 - 112	17.57	591.94	23.25
11	112 - 107	18.37	709.62	23.83
12	107 - 102	19.19	830.20	24.41
13	102 - 97	20.92	955.61	25.72
14	97 - 95.83	23.26	990.26	28.86
15	95.83 - 95.58	23.39	997.49	28.92
16	95.58 - 90.58	25.64	1145.72	30.42
17	90.58 - 89.83	25.95	1168.63	30.61
18	89.83 - 89.58	26.00	1176.28	30.64
19	89.58 - 88	26.30	1224.83	30.82
20	88 - 81.5	28.81	1429.80	32.22
21	81.5 - 76.5	30.06	1592.41	32.86
22	76.5 - 74.25	30.64	1666.65	33.16
23	74.25 - 74	30.73	1674.94	33.19
24	74 - 69	32.23	1842.63	33.91
25	69 - 64	33.77	2013.84	34.61
26	64 - 59	35.35	2188.47	35.28
27	59 - 55.75	36.39	2303.77	35.71
28	55.75 - 55.5	36.50	2312.70	35.73
29	55.5 - 50.5	38.48	2493.05	36.43
30	50.5 - 47.75	39.59	2593.71	36.80
31	47.75 - 47.5	39.67	2602.91	36.82
32	47.5 - 47	39.81	2621.33	36.88
33	47 - 39.5833	44.41	2898.59	37.90
34	39.5833 - 34.5833	46.68	3089.42	38.46
35	34.5833 - 30.75	48.43	3237.60	38.88
36	30.75 - 30.5	48.53	3247.31	38.89
37	30.5 - 29	49.02	3305.73	39.05
38	29 - 28.75	49.16	3315.49	39.04
39	28.75 - 23.75	51.34	3511.89	39.55
40	23.75 - 18.75	53.57	3710.77	40.04
41	18.75 - 13.75	55.83	3912.12	40.54
42	13.75 - 13	56.18	3942.54	40.61
43	13 - 12.75	56.32	3952.70	40.63
44	12.75 - 8.25	58.68	4136.63	41.14
45	8.25 - 8	58.83	4146.91	41.16
46	8 - 3	61.48	4354.07	41.73
47	3 - 0	63.10	4479.65	42.03

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP23.3x22.35x0.2188	Pole	3.8%	Pass
155 - 150	Pole	TP24.251x23.3x0.2188	Pole	8.5%	Pass
150 - 145	Pole	TP25.201x24.251x0.2188	Pole	13.1%	Pass
145 - 140	Pole	TP26.152x25.201x0.2188	Pole	20.6%	Pass
140 - 135	Pole	TP27.102x26.152x0.2188	Pole	28.4%	Pass
135 - 130	Pole	TP28.052x27.102x0.2188	Pole	37.0%	Pass
130 - 125	Pole	TP29.003x28.052x0.2188	Pole	46.1%	Pass
125 - 122	Pole	TP30.46x29.003x0.2188	Pole	51.3%	Pass
122 - 117	Pole	TP30.085x29.135x0.2813	Pole	42.1%	Pass
117 - 112	Pole	TP31.035x30.085x0.2813	Pole	49.7%	Pass
112 - 107	Pole	TP31.985x31.035x0.2813	Pole	56.7%	Pass
107 - 102	Pole	TP32.935x31.985x0.2813	Pole	63.2%	Pass
102 - 97	Pole	TP33.885x32.935x0.2813	Pole	69.6%	Pass
97 - 95.83	Pole	TP34.107x33.885x0.2813	Pole	71.5%	Pass
95.83 - 95.58	Pole + Reinf.	TP34.155x34.107x0.3813	Reinf. 8 Tension Rupture	60.9%	Pass
95.58 - 90.58	Pole + Reinf.	TP35.105x34.155x0.3813	Reinf. 8 Tension Rupture	66.8%	Pass
90.58 - 89.83	Pole + Reinf.	TP35.247x35.105x0.375	Reinf. 8 Tension Rupture	67.7%	Pass
89.83 - 89.58	Pole	TP35.295x35.247x0.2813	Pole	80.6%	Pass
89.58 - 88	Pole	TP36.64x35.295x0.2813	Pole	82.8%	Pass
88 - 81.5	Pole	TP36.266x35.033x0.375	Pole	62.5%	Pass
81.5 - 76.5	Pole	TP37.215x36.266x0.375	Pole	66.6%	Pass
76.5 - 74.25	Pole	TP37.642x37.215x0.375	Pole	68.4%	Pass
74.25 - 74	Pole + Reinf.	TP37.689x37.642x0.4875	Reinf. 5 Tension Rupture	64.5%	Pass
74 - 69	Pole + Reinf.	TP38.638x37.689x0.4813	Reinf. 5 Tension Rupture	67.8%	Pass
69 - 64	Pole + Reinf.	TP39.587x38.638x0.475	Reinf. 5 Tension Rupture	70.9%	Pass
64 - 59	Pole + Reinf.	TP40.535x39.587x0.475	Reinf. 5 Tension Rupture	73.7%	Pass
59 - 55.75	Pole + Reinf.	TP41.152x40.535x0.475	Reinf. 5 Tension Rupture	75.5%	Pass
55.75 - 55.5	Pole + Reinf.	TP41.2x41.152x0.6375	Reinf. 4 Tension Rupture	71.0%	Pass
55.5 - 50.5	Pole + Reinf.	TP42.148x41.2x0.6375	Reinf. 4 Tension Rupture	73.7%	Pass
50.5 - 47.75	Pole + Reinf.	TP42.67x42.148x0.6375	Reinf. 4 Tension Rupture	75.2%	Pass
47.75 - 47.5	Pole	TP42.718x42.67x0.375	Pole	87.0%	Pass
47.5 - 47	Pole	TP44.03x42.718x0.375	Pole	87.3%	Pass
47 - 39.58	Pole + Reinf.	TP43.473x42.062x0.7	Reinf. 7 Compression	76.7%	Pass
39.58 - 34.58	Pole + Reinf.	TP44.424x43.473x0.7	Reinf. 7 Compression	78.9%	Pass
34.58 - 30.75	Pole + Reinf.	TP45.153x44.424x0.6875	Reinf. 7 Compression	80.5%	Pass
30.75 - 30.5	Pole	TP45.2x45.153x0.4375	Pole	79.9%	Pass
30.5 - 29	Pole	TP45.485x45.2x0.4375	Pole	80.5%	Pass
29 - 28.75	Pole + Reinf.	TP45.533x45.485x0.6375	Reinf. 2 Tension Rupture	77.9%	Pass
28.75 - 23.75	Pole + Reinf.	TP46.484x45.533x0.625	Reinf. 2 Tension Rupture	79.6%	Pass
23.75 - 18.75	Pole + Reinf.	TP47.434x46.484x0.625	Reinf. 2 Tension Rupture	81.2%	Pass
18.75 - 13.75	Pole + Reinf.	TP48.385x47.434x0.625	Reinf. 2 Tension Rupture	82.7%	Pass
13.75 - 13	Pole + Reinf.	TP48.528x48.385x0.625	Reinf. 2 Tension Rupture	82.9%	Pass
13 - 12.75	Pole + Reinf.	TP48.575x48.528x0.7125	Reinf. 2 Tension Rupture	73.5%	Pass
12.75 - 8.25	Pole + Reinf.	TP49.431x48.575x0.7125	Reinf. 2 Tension Rupture	74.7%	Pass
8.25 - 8	Pole + Reinf.	TP49.479x49.431x0.6625	Reinf. 6 Tension Rupture	80.0%	Pass
8 - 3	Pole + Reinf.	TP50.43x49.479x0.6625	Reinf. 6 Tension Rupture	81.4%	Pass
3 - 0	Pole + Reinf.	TP51x50.43x0.65	Reinf. 6 Tension Rupture	82.1%	Pass
				Summary	
			Pole	87.3%	Pass
			Reinforcement	82.9%	Pass
			Overall	87.3%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*								
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8
160 - 155	1107	n/a	1107	16.23	n/a	16.23	3.8%								
155 - 150	1250	n/a	1250	16.90	n/a	16.90	8.5%								
150 - 145	1404	n/a	1404	17.57	n/a	17.57	13.1%								
145 - 140	1570	n/a	1570	18.24	n/a	18.24	20.6%								
140 - 135	1749	n/a	1749	18.91	n/a	18.91	28.4%								
135 - 130	1941	n/a	1941	19.58	n/a	19.58	37.0%								
130 - 125	2147	n/a	2147	20.25	n/a	20.25	46.1%								
125 - 122	2277	n/a	2277	20.65	n/a	20.65	51.3%								
122 - 117	3064	n/a	3064	26.95	n/a	26.95	42.1%								
117 - 112	3367	n/a	3367	27.81	n/a	27.81	49.7%								
112 - 107	3689	n/a	3689	28.67	n/a	28.67	56.7%								
107 - 102	4030	n/a	4030	29.53	n/a	29.53	63.2%								
102 - 97	4392	n/a	4392	30.39	n/a	30.39	69.6%								
97 - 95.83	4480	n/a	4480	30.59	n/a	30.59	71.5%								
95.83 - 95.58	4643	1518	6160	30.63	18.00	48.63	56.9%								60.9%
95.58 - 90.58	5039	1604	6643	31.49	18.00	49.49	63.0%								66.8%
90.58 - 89.83	5100	1617	6717	31.62	18.00	49.62	63.9%								67.7%
89.83 - 89.58	4969	n/a	4969	31.66	n/a	31.66	80.6%								
89.58 - 88	5097	n/a	5097	31.94	n/a	31.94	82.8%								
88 - 81.5	7135	n/a	7135	43.28	n/a	43.28	62.5%								
81.5 - 76.5	7716	n/a	7716	44.42	n/a	44.42	66.6%								
76.5 - 74.25	7988	n/a	7988	44.94	n/a	44.94	68.4%								
74.25 - 74	8018	2254	10272	44.99	12.00	56.99	51.7%					64.5%			
74 - 69	8646	2365	11011	46.14	12.00	58.14	54.9%					67.8%			
69 - 64	9305	2479	11784	47.28	12.00	59.28	58.0%					70.9%			
64 - 59	9997	2596	12593	48.42	12.00	60.42	61.0%					73.7%			
59 - 55.75	10464	2674	13138	49.17	12.00	61.17	62.9%					75.5%			
55.75 - 55.5	10501	7138	17639	49.23	31.69	80.91	47.1%				71.0%	56.5%			
55.5 - 50.5	11250	7460	18710	50.37	31.69	82.06	49.5%				73.7%	58.8%			
50.5 - 47.75	11677	7640	19317	51.00	31.69	82.69	50.7%				75.2%	59.9%			
47.75 - 47.5	11716	n/a	11716	51.06	n/a	51.06	87.0%								
47.5 - 47	11795	n/a	11795	51.17	n/a	51.17	87.3%								
47 - 39.58	14351	8296	22647	60.54	33.19	93.73	46.7%				73.0%			76.7%	
39.58 - 34.58	15323	8651	23975	61.88	33.19	95.06	48.4%				75.1%			78.9%	
34.58 - 30.75	16098	8929	25027	62.90	33.19	96.09	49.7%				76.6%			80.5%	
30.75 - 30.5	16149	n/a	16149	62.97	n/a	62.97	79.9%								
30.5 - 29	16460	n/a	16460	63.37	n/a	63.37	80.5%								
29 - 28.75	16512	7106	23618	63.44	25.78	89.22	54.5%		77.9%	77.9%					
28.75 - 23.75	17579	7395	24974	64.77	25.78	90.56	56.2%		79.6%	79.6%					
23.75 - 18.75	18690	7691	26381	66.11	25.78	91.89	57.9%		81.2%	81.2%					
18.75 - 13.75	19848	7992	27840	67.45	25.78	93.23	59.5%		82.7%	82.7%					
13.75 - 13	20025	8038	28063	67.65	25.78	93.43	59.7%		82.9%	82.9%					
13 - 12.75	20113	12356	32469	67.72	43.78	111.50	54.2%		73.5%	70.9%			71.3%		
12.75 - 8.25	21204	12782	33987	68.92	43.78	112.70	55.5%		74.7%	72.1%			72.6%		
8.25 - 8	21243	10504	31747	68.99	43.00	111.99	59.5%	71.3%	76.4%				80.0%		
8 - 3	22503	10899	33401	70.33	43.00	113.33	61.0%	72.5%	77.7%				81.4%		
3 - 0	23282	11139	34421	71.13	43.00	114.13	62.0%	73.3%	78.4%				82.1%		

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

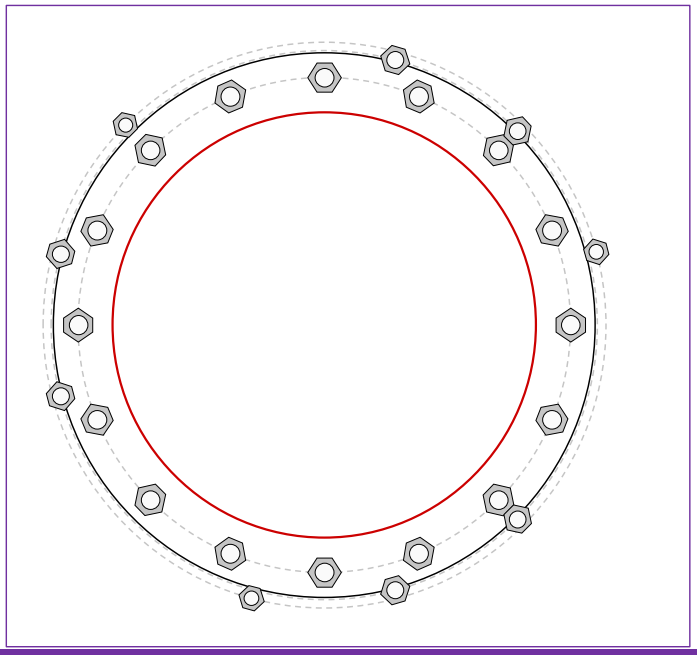
Monopole Base Plate Connection

Site Info	
BU #	876339
Site Name	Pond Meadow Rd. Sta
Order #	552704 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
l_{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	4480
Axial Force (kips)	63
Shear Force (kips)	42

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 59.3" BC
GROUP 2: (6) 2" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 65.8" BC
GROUP 3: (3) 1-3/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 67.8" BC

Base Plate Data

65.3" OD x 2.75" Plate (S-128; Fy=60 ksi, Fu=80 ksi)

Stiffener Data

N/A

Pole Data

51" x 0.4375" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:		
Pu_t = 147.24	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.63	ϕVn = 149.1	**57.5%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_t = 129.04	ϕPn_t = 234.38	**Stress Rating**
Vu = 0	ϕVn = 147.26	**52.4%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 3:		
Pu_t = 101.05	ϕPn_t = 178.13	**Stress Rating**
Vu = 0	ϕVn = 112.75	**54.0%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	20.76	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**36.6%**	**Pass**

Pier and Pad Foundation

BU # :	876339
Site Name:	Pond Meadow Rd. Stabl
App. Number:	552704 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	63	kips
Base Shear, Vu_comp:	42	kips
Moment, M_u:	4480	ft-kips
Tower Height, **H**:	160	ft
BP Dist. Above Fdn, bp_{dist}:	0	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	36	
Pier Tie/Spiral Size, **St**:	5	
Pier Tie/Spiral Quantity, **mt**:	5	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	7.67	ft
Pad Width, W_1:	23	ft
Pad Thickness, **T**:	3.67	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	24	
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:	120	pcf
Ultimate Gross Bearing, Qult:	30	ksf
Cohesion, **Cu**:		ksf
Friction Angle, φ:	33	degrees
SPT Blow Count, N_{blows}:	20	
Base Friction, μ:	0.45	
Neglected Depth, **N**:	3.33	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)	339.14	42.00	**11.8%**	**Pass**
Bearing Pressure (ksf)	22.50	4.19	**18.6%**	**Pass**
*Overturning (kip*ft)*	6508.00	4823.00	**74.1%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	8682.06	4669.00	**51.2%**	**Pass**
Pier Compression (kip)	24494.62	94.17	**0.4%**	**Pass**
*Pad Flexure (kip*ft)*	6349.69	2235.37	**33.5%**	**Pass**
Pad Shear - 1-way (kips)	1018.15	356.17	**33.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	9792.03	2801.40	**27.2%**	**Pass**

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

Soil Rating*:	**74.1%**
Structural Rating*:	**51.2%**

Version 4.0.1

Exhibit E

Mount Analysis

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10039626
Maser Consulting Project # 21777139A

June 11, 2021

Site Information	*Site ID:*	*468781-VZW / WESTBROOK 2 CT*
	Site Name:	*WESTBROOK 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*782 Old Clinton Rd* *Westbrook, Connecticut 06498,* *Middlesex County*
	Latitude:	*41.290472°*
	Longitude:	*-72.468278°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.92-Ft Platform*

FUZE ID # 16244183

Analysis Results

Platform: **81.1% 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: Jean Pierre Chahwan

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID 325100, dated April 8, 2021
Mount Mapping Report	Hudson Design Group LLC, Site Name: WESTBROOK 2 CT, dated March 23, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 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:	0.997
Seismic Parameters:	S_S:	0.204
	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
114.00	117.00	3	Samsung	MT6407-77A	Added
		6	Commscope	JAHH-65B-R3B	Retained
		4	Amphenol Antel	LPA-80063-4CF-EDIN-8	
		2	Amphenol Antel	LPA-80080-4CF-EDIN-0	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	
		1	Raycap	RRFDC-3315-PF-48	
		1	Raycap	RRFDC-3315-PF-48	

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 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 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, 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 is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	25%	Pass
Standoff Horizontal	63%	Pass
Corner Plate	28%	Pass
Platform Crossmember	27%	Pass
Grating Support	15%	Pass
Mount Pipe	76%	Pass
Cross Arm Plate	41%	Pass
Connection Handrail	73%	Pass
Mount Connection	81.1%	Pass

Structure Rating – ***(Controlling Utilization of all Components)***	**81.1%**

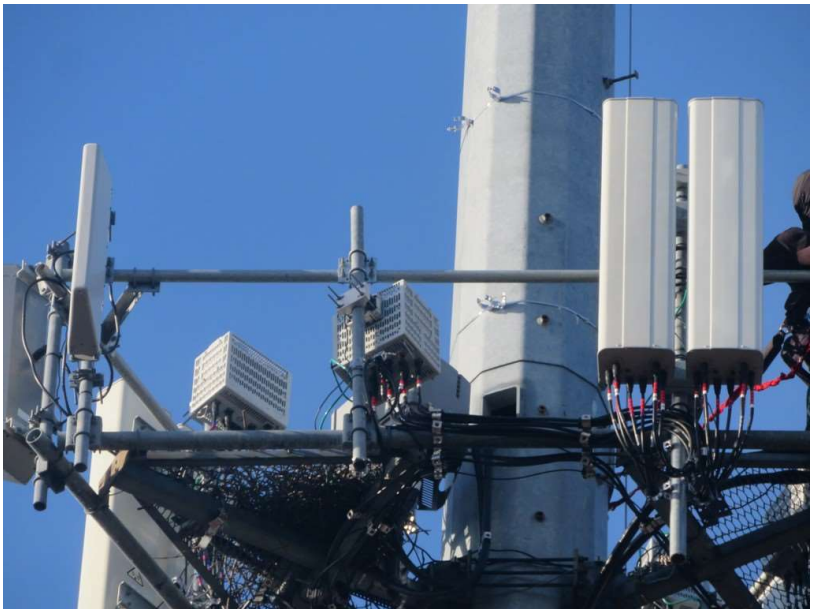
Recommendation:

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

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

Attachments:

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



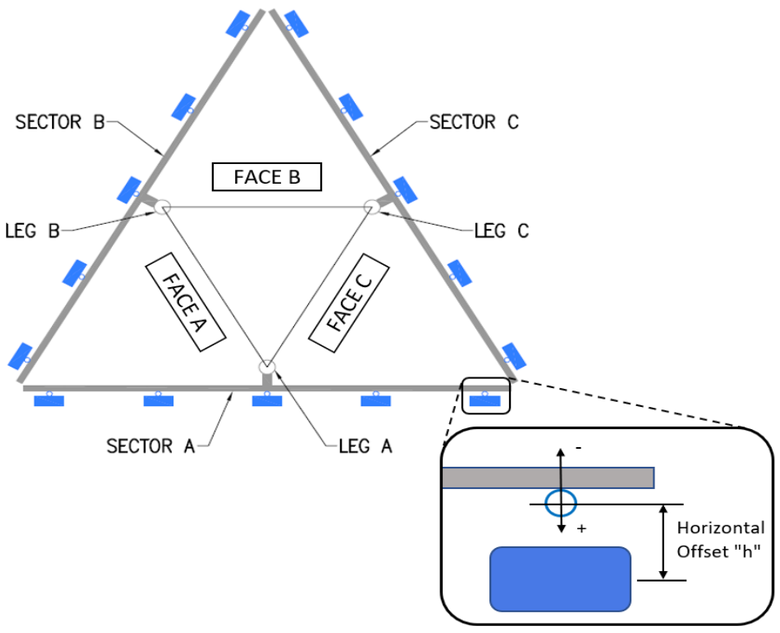
V3.0 Updated on 8-31-2020

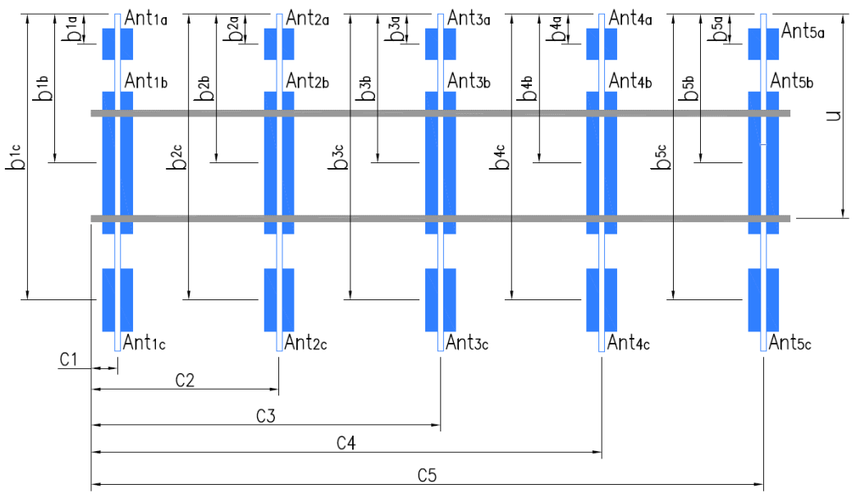
Antenna Mount Mapping Form (PATENT PENDING)

FCC #	

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	WESTBROOK 2 CT	**Tower Type:**	Monopole
Site Number or ID:	468781	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	114

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	60.00	4.00	C1	2" STD. PIPE X 72" LONG	60.00	4.00
A2	2.5" STD. PIPE X 108" LONG	70.00	51.00	C2	2.5" STD. PIPE X 108" LONG	70.00	51.00
A3	2" STD. PIPE X 72" LONG	60.00	111.00	C3	2" STD. PIPE X 72" LONG	60.00	111.00
A4	2" STD. PIPE X 72" LONG	60.00	159.00	C4	2" STD. PIPE X 72" LONG	60.00	159.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	60.00	4.00	D1			
B2	2.5" STD. PIPE X 108" LONG	70.00	51.00	D2			
B3	2" STD. PIPE X 72" LONG	60.00	111.00	D3			
B4	2" STD. PIPE X 72" LONG	60.00	159.00	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. :	45.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

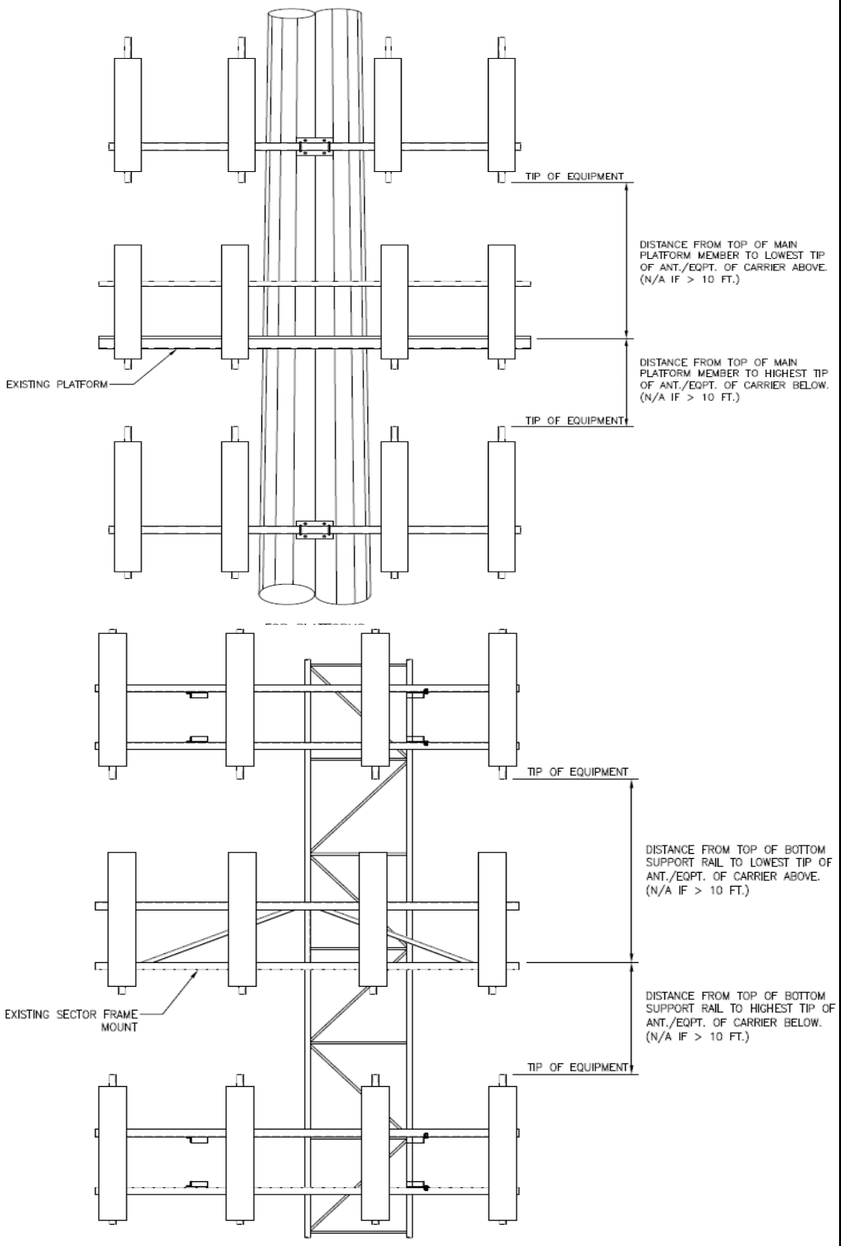
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	30

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}	LPA-80080-4CF	6.00	13.00	47.00		113.167	25.00	13.00	40.00	1,15
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	10.00	15.50		115.417	8.00	-8.00		2,17
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		113.083	36.00	14.00	40.00	2,16
Ant_{2c}	(2) CBC78T-DS-43-2X	5.00	7.00	6.50		112.333	45.00	-8.00		2,18
Ant_{3a}										
Ant_{3b}	RFV01U-D1A	15.50	12.00	15.50		112.75	30.00	-9.00		3,19
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-4CF	6.00	13.00	47.00		113.167	25.00	13.00	40.00	4,15
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) RRFDC-3315-PF-48	15.00	10.00	28.00						7,8,60
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

Climbing Facility Information		
Location:	290.00 Deg	N/A
Climbing Facility	Corrosion Type:	Minor corrosion observed.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	180.00	5,21
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	10.00	15.50		115.417	8.00	-8.00		6,17
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		113.083	36.00	14.00	180.00	6,16
Ant_{2c}	(2) CBC78T-DS-43-2X	5.00	7.00	6.50		112.333	45.00	-8.00		6,18
Ant_{3a}										
Ant_{3b}	RFV01U-D1A	15.50	12.00	15.50		112.75	30.00	-9.00		9,19
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	180.00	10,21
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	280.00	11,21
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.50	10.00	15.50		115.417	8.00	-8.00		12,17
Ant_{2b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		113.083	36.00	14.00	280.00	12,16
Ant_{2c}	(2) CBC78T-DS-43-2X	5.00	7.00	6.50		112.333	45.00	-8.00		12,18
Ant_{3a}										
Ant_{3b}	RFV01U-D1A	15.50	12.00	15.50		112.75	30.00	-9.00		13,19
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-4CF	15.00	12.00	47.00		113.167	25.00	13.00	280.00	14,21
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(6) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	73-76
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.

MASER CONSULTING P.A.	Antenna Mount Mapping Form (PATENT PENDING)		FCC #
Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	WESTBROOK 2 CT	**Tower Type:**	Monopole
Site Number or ID:	468781	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	114

Please Insert Sketches of the Antenna Mount

3/24/2021

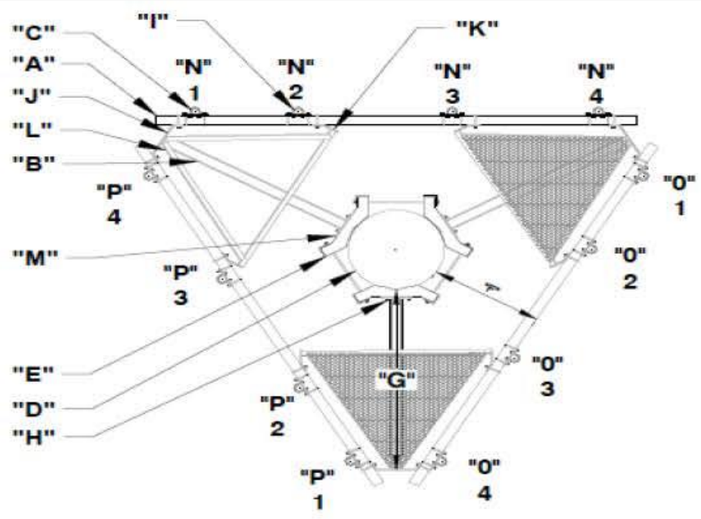
HDG HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

MOUNT MAPPING CHECKLIST

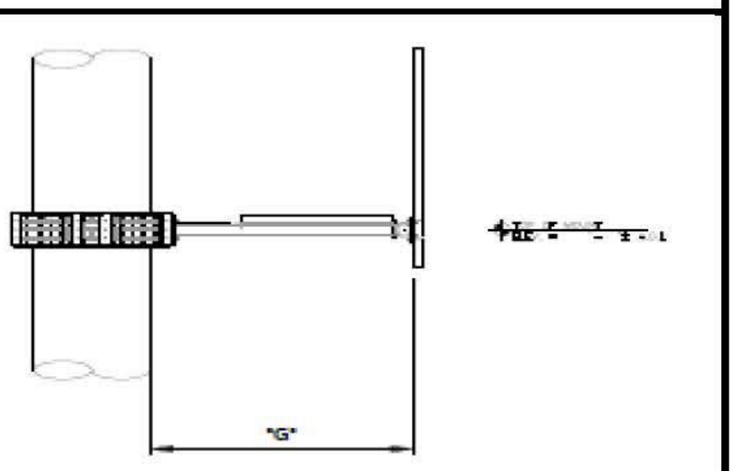
CARRIER:	VERIZON	SITE #:		SITE NAME:	Westbrook 2 CT
DATE:	3/23/2021	MAPPED BY:	PROVERTIC JC	SITE OWNER:	

DESCRIPTION		STATUS	Value
A: FACE PIPE CONFIG.		☐	
SIZE			3-1/2"
LENGTH			167"
B: STAND OFF SIZE		☐	4x4x3/16
C: ANTENNA PIPE MAST		☐	2" STD, #2 2.5" STD
DIA.			
LENGTH			6', #2 9'
D: MONOPOLE DIA.		☐	30
E: RINGMOUNT		☐	10"x 3/8"
F: TOWER TO FACE		☐	38"
G: TOWER TO APEX		☐	69"
H: HARDWARE		☐	5/8"Ø
I: U-BOLTS		☐	1/2"Ø
J: A PLATE		☐	6"x 3.5"x 12.5"x 1/2"
K: B PLATE		☐	6"x 5.5"x 3" x 3/8"
L: ANGLE		☐	2"X2"
M: MOUNTING PLATE		☐	10"x 10"x 5/8"
N: ALPHA POS 1		☐	LPA-80080-4CF
ALPHA POS 2		☐	(2) JAHH-65B-R3B
ALPHA POS 3		☐	RFV01U-D1A
ALPHA POS 4		☐	LPA-80080-4CF
O: BETA POS 1		☐	LPA-80063-4CF
BETA POS 2		☐	(2) JAHH-65B-R3B
BETA POS 3		☐	RFV01U-D1A
BETA POS 4		☐	LPA-80063-4CF
P: GAMMA POS 1		☐	LPA-80063-4CF
GAMMA POS 2		☐	(2) JAHH-65B-R3B
GAMMA POS 3		☐	RFV01U-D1A
GAMMA POS 4		☐	LPA-80063-4CF
Q: TMA	QTY. 4	☐	(6) E1405P50
R: RADIOS		☐	(3) RFV01U-D1A (3) RFV01U
S: SURGE	QTY. 3	☐	(2) OVP
T: SECOND MOUNT		☐	

Legend



PLAN

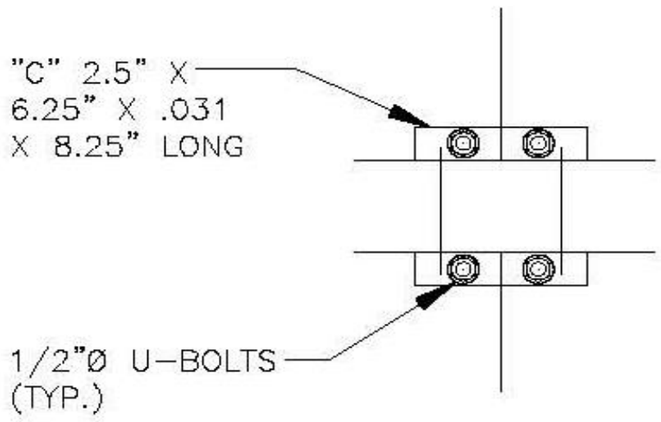


ELEVATION

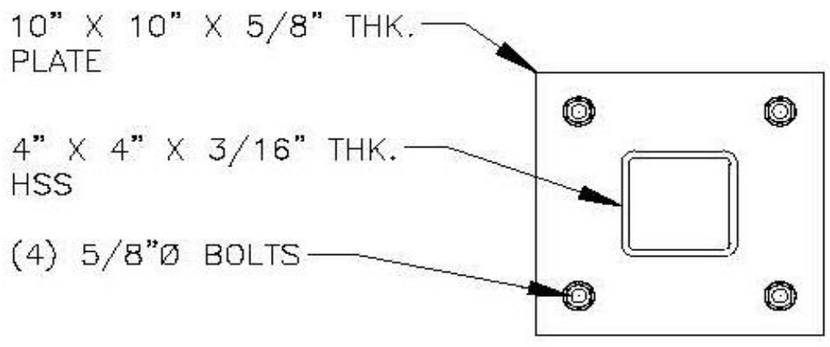
COMMENTS:

FACE SKETCH

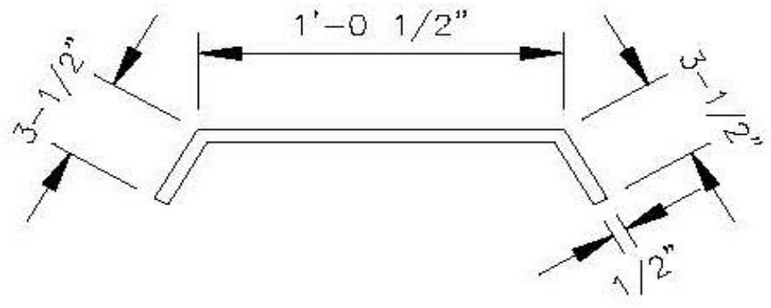
Please Insert Sketches of the Antenna Mount, cont'd



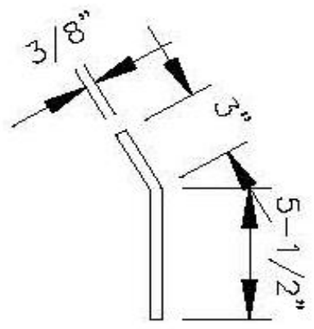
DETAIL A



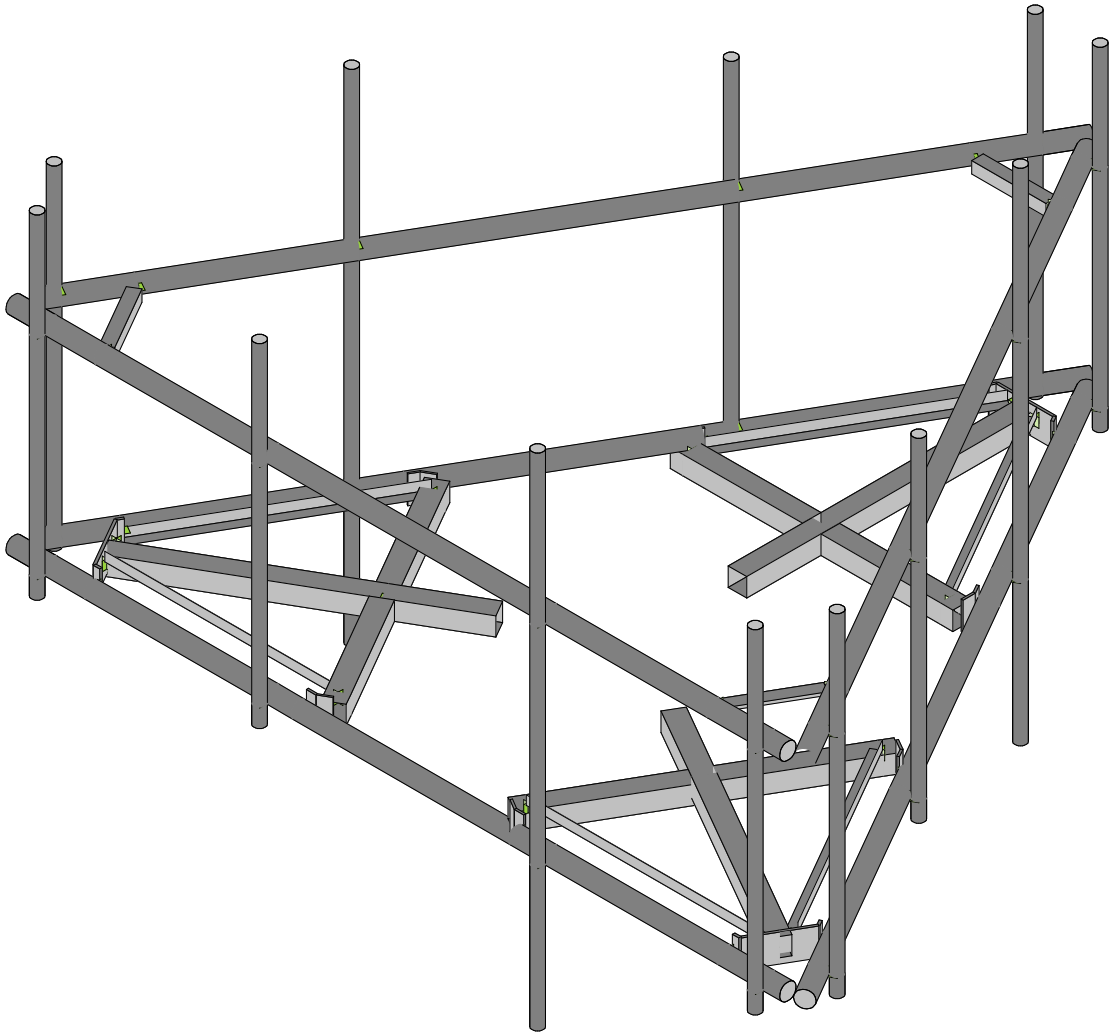
DETAIL B-B



DETAIL C

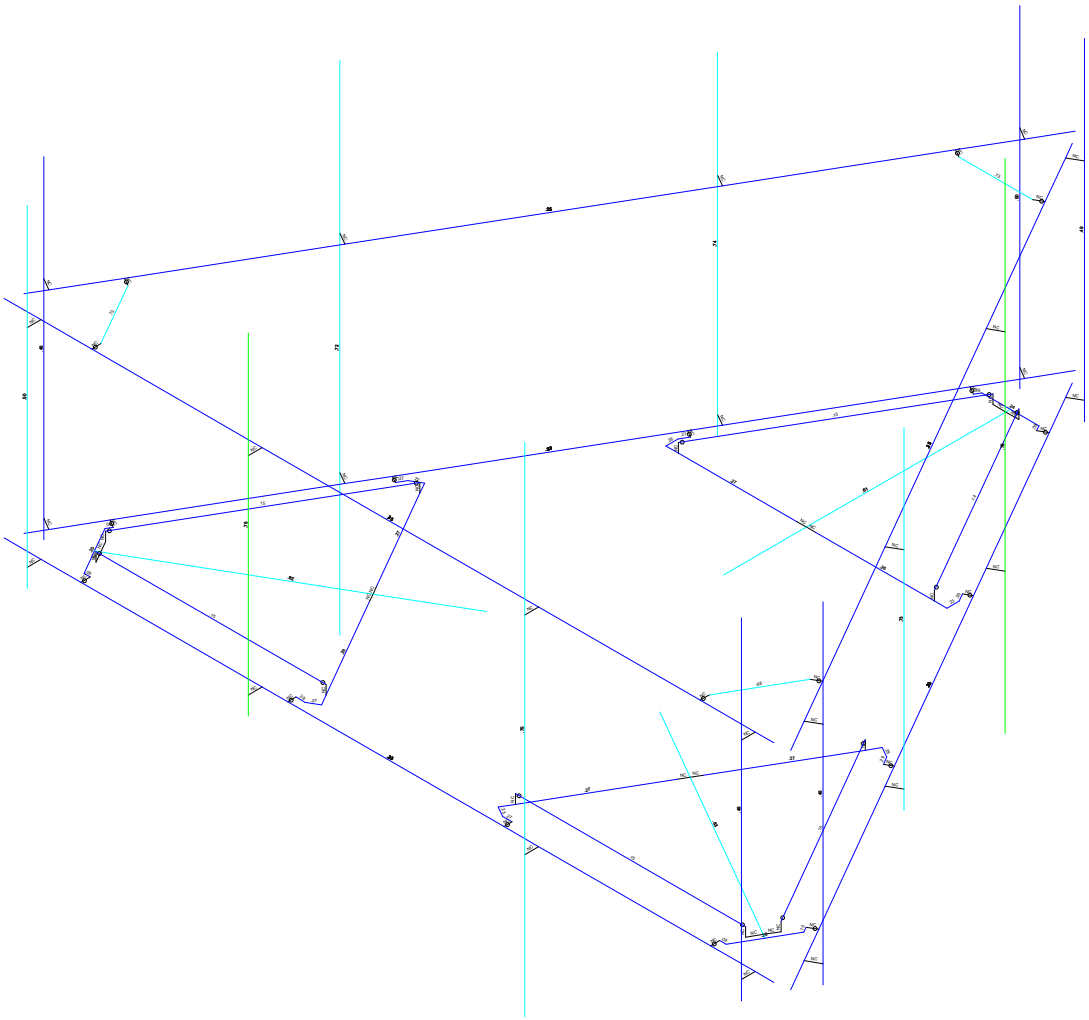


DETAIL D



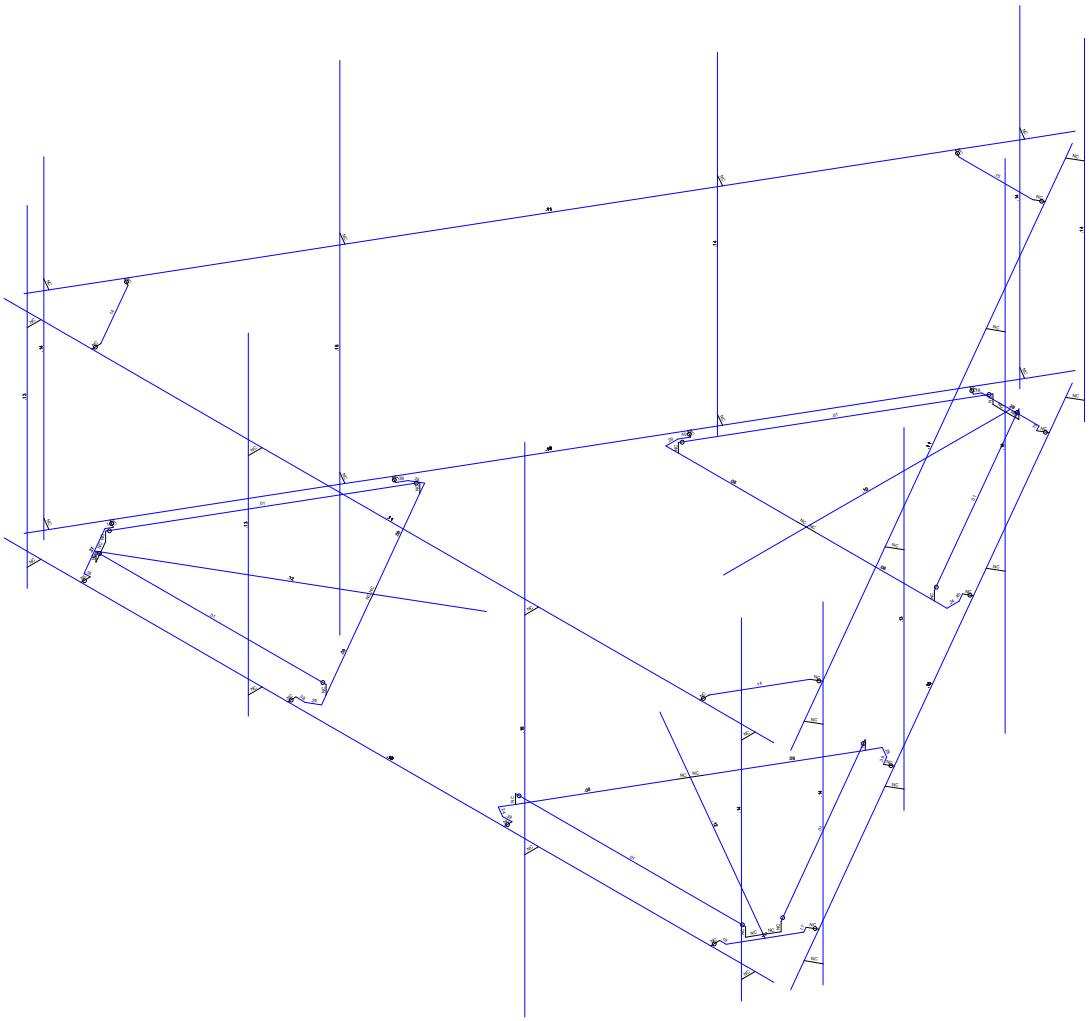
Envelope Only Solution

		SK - 1
		June 9, 2021 at 2:25 PM
		468781-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Envelope)
Envelope Only Solution

		SK - 2
		June 11, 2021 at 8:26 AM
		468781-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		June 11, 2021 at 8:26 AM
		468781-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					123		3	
2	Antenna Di	None					123		3	
3	Antenna Wo (0 Deg)	None					123			
4	Antenna Wo (30 Deg)	None					123			
5	Antenna Wo (60 Deg)	None					123			
6	Antenna Wo (90 Deg)	None					123			
7	Antenna Wo (120 Deg)	None					123			
8	Antenna Wo (150 Deg)	None					123			
9	Antenna Wo (180 Deg)	None					123			
10	Antenna Wo (210 Deg)	None					123			
11	Antenna Wo (240 Deg)	None					123			
12	Antenna Wo (270 Deg)	None					123			
13	Antenna Wo (300 Deg)	None					123			
14	Antenna Wo (330 Deg)	None					123			
15	Antenna Wi (0 Deg)	None					123			
16	Antenna Wi (30 Deg)	None					123			
17	Antenna Wi (60 Deg)	None					123			
18	Antenna Wi (90 Deg)	None					123			
19	Antenna Wi (120 Deg)	None					123			
20	Antenna Wi (150 Deg)	None					123			
21	Antenna Wi (180 Deg)	None					123			
22	Antenna Wi (210 Deg)	None					123			
23	Antenna Wi (240 Deg)	None					123			
24	Antenna Wi (270 Deg)	None					123			
25	Antenna Wi (300 Deg)	None					123			
26	Antenna Wi (330 Deg)	None					123			
27	Antenna Wm (0 Deg)	None					123			
28	Antenna Wm (30 Deg)	None					123			
29	Antenna Wm (60 Deg)	None					123			
30	Antenna Wm (90 Deg)	None					123			
31	Antenna Wm (120 Deg)	None					123			
32	Antenna Wm (150 Deg)	None					123			
33	Antenna Wm (180 Deg)	None					123			
34	Antenna Wm (210 Deg)	None					123			
35	Antenna Wm (240 Deg)	None					123			
36	Antenna Wm (270 Deg)	None					123			
37	Antenna Wm (300 Deg)	None					123			
38	Antenna Wm (330 Deg)	None					123			
39	Structure D	None		-1						
40	Structure Di	None						57		
41	Structure Wo (0 Deg)	None						114		
42	Structure Wo (30 Deg)	None						114		
43	Structure Wo (60 Deg)	None						114		
44	Structure Wo (90 Deg)	None						114		
45	Structure Wo (120 D...	None						114		
46	Structure Wo (150 D...	None						114		
47	Structure Wo (180 D...	None						114		
48	Structure Wo (210 D...	None						114		
49	Structure Wo (240 D...	None						114		
50	Structure Wo (270 D...	None						114		
51	Structure Wo (300 D...	None						114		
52	Structure Wo (330 D...	None						114		
53	Structure Wi (0 Deg)	None						114		
54	Structure Wi (30 Deg)	None						114		
55	Structure Wi (60 Deg)	None						114		
56	Structure Wi (90 Deg)	None						114		

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						114		
58	Structure Wi (150 De...	None						114		
59	Structure Wi (180 De...	None						114		
60	Structure Wi (210 De...	None						114		
61	Structure Wi (240 De...	None						114		
62	Structure Wi (270 De...	None						114		
63	Structure Wi (300 De...	None						114		
64	Structure Wi (330 De...	None						114		
65	Structure Wm (0 Deg)	None						114		
66	Structure Wm (30 De...	None						114		
67	Structure Wm (60 De...	None						114		
68	Structure Wm (90 De...	None						114		
69	Structure Wm (120 D...	None						114		
70	Structure Wm (150 D...	None						114		
71	Structure Wm (180 D...	None						114		
72	Structure Wm (210 D...	None						114		
73	Structure Wm (240 D...	None						114		
74	Structure Wm (270 D...	None						114		
75	Structure Wm (300 D...	None						114		
76	Structure Wm (330 D...	None						114		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 1 Transient Area...	None						135		
82	BLC 2 Transient Area...	None						135		

Load Combinations

	Descripti...	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Descripti...	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic ...		Y		1	1	39	1																
53	1.2D + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 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	N145	-0.17501	0	-7.31792	0	
2	N146	1.569671	0	0.90625	0	
3	N147	4.139542	0	-0.544898	0	
4	N148A	1.711157	0.166667	3.661189	0	
5	N149	4.026261	0.166667	-0.348689	0	
6	N166	2.868709	0	1.65625	0	
7	N167	6.062178	0	3.5	0	
8	N168	0	0	0	0	
9	N169	1.711157	0	3.661189	0	
10	N170	4.026261	0	-0.348689	0	
11	N171	1.597876	0	3.857398	0	
12	N172	2.952042	0	1.511912	0	
13	N173	2.785376	0	1.800588	0	
14	N174	4.328986	0	-0.435523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N175	1.787319	0	3.966773	0	
16	N176	1.953986	0	3.966773	0	
17	N177	5.692386	0	3.946544	0	
18	N178	4.412319	0	-0.291185	0	
19	N179	6.264001	0	2.956479	0	
20	N180	1.953986	0	4.112607	0	
21	N181	4.538615	0	-0.364102	0	
22	N182	6.31999	0	3.053456	0	
23	N183	5.804365	0	3.946544	0	
24	N184	5.692386	0	4.112607	0	
25	N185	6.407815	0	2.873448	0	
26	N186	5.990009	0	3.458333	0	
27	N187	5.87289	0.166667	3.661189	0	
28	N188	5.87289	0	3.661189	0	
29	N189	6.107128	0.166667	3.255478	0	
30	N190	6.107128	0	3.255478	0	
31	N191	-0.	0	-1.8125	0	
32	N192	-2.541667	0	-3.3125	0	
33	N193	2.315104	0.166667	-3.3125	0	
34	N194	-2.315104	0.166667	-3.3125	0	
35	N195	-0.	0	-3.3125	0	
36	N196	-0.	0	-7	0	
37	N197	2.315104	0	-3.3125	0	
38	N198	-2.315104	0	-3.3125	0	
39	N199	2.541667	0	-3.3125	0	
40	N200	-0.166667	0	-3.3125	0	
41	N201	0.166667	0	-3.3125	0	
42	N202	-2.541667	0	-3.53125	0	
43	N203	2.541667	0	-3.53125	0	
44	N204	2.458333	0	-3.675588	0	
45	N205	0.571615	0	-6.903023	0	
46	N206	-2.458333	0	-3.675588	0	
47	N207	-0.571615	0	-6.903023	0	
48	N208	2.584629	0	-3.748504	0	
49	N209	-2.584629	0	-3.748504	0	
50	N210	-0.515625	0	-7	0	
51	N211	0.515625	0	-7	0	
52	N212	0.715429	0	-6.986054	0	
53	N213	-0.715429	0	-6.986054	0	
54	N214	-0.	0	-6.916667	0	
55	N215	0.234238	0.166667	-6.916667	0	
56	N216	0.234238	0	-6.916667	0	
57	N217	-0.234238	0.166667	-6.916667	0	
58	N218	-0.234238	0	-6.916667	0	
59	N219	-1.569671	0	0.90625	0	
60	N220	-1.597876	0	3.857398	0	
61	N221	-4.026261	0.166667	-0.348689	0	
62	N222	-1.711157	0.166667	3.661189	0	
63	N223	-2.868709	0	1.65625	0	
64	N224	-6.062178	0	3.5	0	
65	N225	-4.026261	0	-0.348689	0	
66	N226	-1.711157	0	3.661189	0	
67	N227	-4.139542	0	-0.544898	0	
68	N228	-2.785376	0	1.800588	0	
69	N229	-2.952042	0	1.511912	0	
70	N230	-1.787319	0	3.966773	0	
71	N231	-4.328986	0	-0.435523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N232	-4.412319	0	-0.291185	0	
73	N233	-6.264001	0	2.956479	0	
74	N234	-1.953986	0	3.966773	0	
75	N235	-5.692386	0	3.946544	0	
76	N236	-4.538615	0	-0.364102	0	
77	N237	-1.953986	0	4.112607	0	
78	N238	-5.804365	0	3.946544	0	
79	N239	-6.31999	0	3.053456	0	
80	N240	-6.407815	0	2.873448	0	
81	N241	-5.692386	0	4.112607	0	
82	N242	-5.990009	0	3.458333	0	
83	N243	-6.107128	0.166667	3.255478	0	
84	N244	-6.107128	0	3.255478	0	
85	N245	-5.87289	0.166667	3.661189	0	
86	N246	-5.87289	0	3.661189	0	
87	N247	6.833333	0	4.112607	0	
88	N248	-7.083333	0	4.112607	0	
89	N135A	0.144955	0	-7.974144	0	
90	N136	7.103288	0	4.078043	0	
91	N139	-6.978288	0	3.861537	0	
92	N140	-0.019955	0	-8.19065	0	
93	N109	6.833333	3.75	4.112607	0	
94	N110	-7.083333	3.75	4.112607	0	
95	N119	0.144955	3.75	-7.974144	0	
96	N120	7.103288	3.75	4.078043	0	
97	N121	-6.978288	3.75	3.861537	0	
98	N122	-0.019955	3.75	-8.19065	0	
99	N99	6.5	0	4.112607	0	
100	N100	6.5	3.75	4.112607	0	
101	N101	6.5	0	4.362607	0	
102	N102	6.5	3.75	4.362607	0	
103	N103	2.583333	0	4.112607	0	
104	N104	2.583333	3.75	4.112607	0	
105	N105	2.583333	0	4.362607	0	
106	N106	2.583333	3.75	4.362607	0	
107	N107	-2.416667	0	4.112607	0	
108	N108	-2.416667	3.75	4.112607	0	
109	N109A	-2.416667	0	4.362607	0	
110	N110A	-2.416667	3.75	4.362607	0	
111	N111	-6.416667	0	4.112607	0	
112	N112	-6.416667	3.75	4.112607	0	
113	N113	-6.416667	0	4.362607	0	
114	N114	-6.416667	3.75	4.362607	0	
115	N115	6.5	5.666667	4.362607	0	
116	N116	6.5	-0.333333	4.362607	0	
117	N117	2.583333	6.458333	4.362607	0	
118	N118	2.583333	-2.541667	4.362607	0	
119	N119A	-2.416667	5.666667	4.362607	0	
120	N120A	-2.416667	-0.333333	4.362607	0	
121	N121A	-6.416667	5.666667	4.362607	0	
122	N122A	-6.416667	-0.333333	4.362607	0	
123	N125	0.311622	0	-7.685468	0	
124	N126	0.311622	3.75	-7.685468	0	
125	N127	0.528128	0	-7.810468	0	
126	N128	0.528128	3.75	-7.810468	0	
127	N129	2.269955	0	-4.293536	0	
128	N130	2.269955	3.75	-4.293536	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131	2.486461	0	-4.418536	0	
130	N132	2.486461	3.75	-4.418536	0	
131	N133	4.769955	0	0.036591	0	
132	N134	4.769955	3.75	0.036591	0	
133	N135	4.986461	0	-0.088409	0	
134	N136A	4.986461	3.75	-0.088409	0	
135	N137	6.769955	0	3.500693	0	
136	N138	6.769955	3.75	3.500693	0	
137	N139A	6.986461	0	3.375693	0	
138	N140A	6.986461	3.75	3.375693	0	
139	N141	0.528128	5.666667	-7.810468	0	
140	N142	0.528128	-0.333333	-7.810468	0	
141	N143	2.486461	6.458333	-4.418536	0	
142	N144	2.486461	-2.541667	-4.418536	0	
143	N145A	4.986461	5.666667	-0.088409	0	
144	N146A	4.986461	-0.333333	-0.088409	0	
145	N147A	6.986461	5.666667	3.375693	0	
146	N148	6.986461	-0.333333	3.375693	0	
147	N151	-6.811622	0	3.572862	0	
148	N152	-6.811622	3.75	3.572862	0	
149	N153	-7.028128	0	3.447862	0	
150	N154	-7.028128	3.75	3.447862	0	
151	N155	-4.853288	0	0.180929	0	
152	N156	-4.853288	3.75	0.180929	0	
153	N157	-5.069795	0	0.055929	0	
154	N158	-5.069795	3.75	0.055929	0	
155	N159	-2.353288	0	-4.149198	0	
156	N160	-2.353288	3.75	-4.149198	0	
157	N161	-2.569795	0	-4.274198	0	
158	N162	-2.569795	3.75	-4.274198	0	
159	N163	-0.353288	0	-7.6133	0	
160	N164	-0.353288	3.75	-7.6133	0	
161	N165	-0.569795	0	-7.7383	0	
162	N166A	-0.569795	3.75	-7.7383	0	
163	N167A	-7.028128	5.666667	3.447862	0	
164	N168A	-7.028128	-0.333333	3.447862	0	
165	N169A	-5.069795	6.458333	0.055929	0	
166	N170A	-5.069795	-2.541667	0.055929	0	
167	N171A	-2.569795	5.666667	-4.274198	0	
168	N172A	-2.569795	-0.333333	-4.274198	0	
169	N173A	-0.569795	5.666667	-7.7383	0	
170	N174A	-0.569795	-0.333333	-7.7383	0	
171	N171B	-5.5	3.75	4.112607	0	
172	N172B	-5.5	3.75	3.94594	0	
173	N173B	5.5	3.75	4.112607	0	
174	N174B	5.5	3.75	3.94594	0	
175	N176A	6.311622	3.75	2.706836	0	
176	N177A	6.167284	3.75	2.79017	0	
177	N178A	0.811622	3.75	-6.819443	0	
178	N179A	0.667284	3.75	-6.73611	0	
179	N181A	-0.811622	3.75	-6.819443	0	
180	N182A	-0.667284	3.75	-6.73611	0	
181	N183A	-6.311622	3.75	2.706836	0	
182	N184A	-6.167284	3.75	2.79017	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	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 Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmemb...	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
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	Connection Handrail	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

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	M101	N146	N167			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M102	N171	N173			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M111	N172	N147			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M112	N182	N183			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M113	N149	N170			RIGID	None	None	RIGID	Typical
6	M114	N148A	N169			RIGID	None	None	RIGID	Typical
7	M115	N187	N148A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M116	N149	N189			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M117	N189	N190			RIGID	None	None	RIGID	Typical
10	M118	N172	N166			RIGID	None	None	RIGID	Typical
11	M119	N166	N173			RIGID	None	None	RIGID	Typical
12	M120	N171	N175			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M121	N175	N176			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M122	N176	N180			RIGID	None	None	RIGID	Typical
15	M123	N183	N177			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M124	N177	N184			RIGID	None	None	RIGID	Typical
17	M125	N147	N174			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M126	N174	N178			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M127	N178	N181			RIGID	None	None	RIGID	Typical
20	M128	N182	N179			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M129	N179	N185			RIGID	None	None	RIGID	Typical
22	M130	N190	N186			RIGID	None	None	RIGID	Typical
23	M131	N186	N188			RIGID	None	None	RIGID	Typical
24	M132	N187	N188			RIGID	None	None	RIGID	Typical
25	M133	N191	N196			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M134	N199	N201			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M135	N200	N192			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M136	N210	N211			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M137	N194	N198			RIGID	None	None	RIGID	Typical
30	M138	N193	N197			RIGID	None	None	RIGID	Typical
31	M139	N215	N193			Grating Support	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
32	M140	N194	N217			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M141	N217	N218			RIGID	None	None	RIGID	Typical
34	M142	N200	N195			RIGID	None	None	RIGID	Typical
35	M143	N195	N201			RIGID	None	None	RIGID	Typical
36	M144	N199	N203			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M145	N203	N204			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M146	N204	N208			RIGID	None	None	RIGID	Typical
39	M147	N211	N205			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M148	N205	N212			RIGID	None	None	RIGID	Typical
41	M149	N192	N202			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M150	N202	N206			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M151	N206	N209			RIGID	None	None	RIGID	Typical
44	M152	N210	N207			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M153	N207	N213			RIGID	None	None	RIGID	Typical
46	M154	N218	N214			RIGID	None	None	RIGID	Typical
47	M155	N214	N216			RIGID	None	None	RIGID	Typical
48	M156	N215	N216			RIGID	None	None	RIGID	Typical
49	M157	N219	N224			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M158	N227	N229			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M159	N228	N220			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M160	N238	N239			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M161	N222	N226			RIGID	None	None	RIGID	Typical
54	M162	N221	N225			RIGID	None	None	RIGID	Typical
55	M163	N243	N221			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M164	N222	N245			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M165	N245	N246			RIGID	None	None	RIGID	Typical
58	M166	N228	N223			RIGID	None	None	RIGID	Typical
59	M167	N223	N229			RIGID	None	None	RIGID	Typical
60	M168	N227	N231			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M169	N231	N232			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M170	N232	N236			RIGID	None	None	RIGID	Typical
63	M171	N239	N233			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M172	N233	N240			RIGID	None	None	RIGID	Typical
65	M173	N220	N230			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M174	N230	N234			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M175	N234	N237			RIGID	None	None	RIGID	Typical
68	M176	N238	N235			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M177	N235	N241			RIGID	None	None	RIGID	Typical
70	M178	N246	N242			RIGID	None	None	RIGID	Typical
71	M179	N242	N244			RIGID	None	None	RIGID	Typical
72	M180	N243	N244			RIGID	None	None	RIGID	Typical
73	M181	N247	N248			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M106	N135A	N136			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M108	N139	N140			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M84	N109	N110			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
77	M88	N119	N120			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
78	M89	N121	N122			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
79	M79	N99	N101			RIGID	None	None	RIGID	Typical
80	M80	N100	N102			RIGID	None	None	RIGID	Typical
81	M81	N103	N105			RIGID	None	None	RIGID	Typical
82	M82	N104	N106			RIGID	None	None	RIGID	Typical
83	M83	N107	N109A			RIGID	None	None	RIGID	Typical
84	M84A	N108	N110A			RIGID	None	None	RIGID	Typical
85	M85	N111	N113			RIGID	None	None	RIGID	Typical
86	M86	N112	N114			RIGID	None	None	RIGID	Typical
87	MP1A	N115	N116			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP2A	N117	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
89	MP3A	N119A	N120A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP4A	N121A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91	N125	N127			RIGID	None	None	RIGID	Typical
92	M92	N126	N128			RIGID	None	None	RIGID	Typical
93	M93	N129	N131			RIGID	None	None	RIGID	Typical
94	M94	N130	N132			RIGID	None	None	RIGID	Typical
95	M95	N133	N135			RIGID	None	None	RIGID	Typical
96	M96	N134	N136A			RIGID	None	None	RIGID	Typical
97	M97	N137	N139A			RIGID	None	None	RIGID	Typical
98	M98	N138	N140A			RIGID	None	None	RIGID	Typical
99	MP1C	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	MP2C	N143	N144			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	MP3C	N145A	N146A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	MP4C	N147A	N148			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M103	N151	N153			RIGID	None	None	RIGID	Typical
104	M104	N152	N154			RIGID	None	None	RIGID	Typical
105	M105	N155	N157			RIGID	None	None	RIGID	Typical
106	M106A	N156	N158			RIGID	None	None	RIGID	Typical
107	M107	N159	N161			RIGID	None	None	RIGID	Typical
108	M108A	N160	N162			RIGID	None	None	RIGID	Typical
109	M109	N163	N165			RIGID	None	None	RIGID	Typical
110	M110	N164	N166A			RIGID	None	None	RIGID	Typical
111	MP1B	N167A	N168A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	MP2B	N169A	N170A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
113	MP3B	N171A	N172A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
114	MP4B	N173A	N174A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
115	M115A	N171B	N172B			RIGID	None	None	RIGID	Typical
116	M116A	N173B	N174B			RIGID	None	None	RIGID	Typical
117	M117A	N176A	N177A			RIGID	None	None	RIGID	Typical
118	M118A	N178A	N179A			RIGID	None	None	RIGID	Typical
119	M119A	N181A	N182A			RIGID	None	None	RIGID	Typical
120	M120A	N183A	N184A			RIGID	None	None	RIGID	Typical
121	M121A	N172B	N184A		180	Connection Ha...	Column	Single Angle	A36 Gr.36	Typical
122	M122A	N177A	N174B		180	Connection Ha...	Column	Single Angle	A36 Gr.36	Typical
123	M123A	N182A	N179A		180	Connection Ha...	Column	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	M101						Yes				None
2	M102						Yes	Default			None
3	M111						Yes	Default			None
4	M112						Yes	Default			None
5	M113						Yes	** NA **			None
6	M114						Yes	** NA **			None
7	M115	OOOOOX	OOOOOX				Yes	Default			None
8	M116	OOOOOX	OOOOOX				Yes	Default			None
9	M117						Yes	** NA **			None
10	M118						Yes	** NA **			None
11	M119						Yes	** NA **			None
12	M120						Yes	** NA **			None
13	M121						Yes	** NA **			None
14	M122		BenPIN				Yes	** NA **			None
15	M123						Yes				None
16	M124		BenPIN				Yes	** NA **			None
17	M125						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...
18	M126						Yes	** NA **			None
19	M127		BenPIN				Yes	** NA **			None
20	M128						Yes				None
21	M129		BenPIN				Yes	** NA **			None
22	M130						Yes	** NA **			None
23	M131						Yes	** NA **			None
24	M132						Yes	** NA **			None
25	M133						Yes	Default			None
26	M134						Yes	Default			None
27	M135						Yes	Default			None
28	M136						Yes	Default			None
29	M137						Yes	** NA **			None
30	M138						Yes	** NA **			None
31	M139	OOOOOX	OOOOOX				Yes	Default			None
32	M140	OOOOOX	OOOOOX				Yes	Default			None
33	M141						Yes	** NA **			None
34	M142						Yes	** NA **			None
35	M143						Yes	** NA **			None
36	M144						Yes	** NA **			None
37	M145						Yes	** NA **			None
38	M146		BenPIN				Yes	** NA **			None
39	M147						Yes				None
40	M148		BenPIN				Yes	** NA **			None
41	M149						Yes	** NA **			None
42	M150						Yes	** NA **			None
43	M151		BenPIN				Yes	** NA **			None
44	M152						Yes				None
45	M153		BenPIN				Yes	** NA **			None
46	M154						Yes	** NA **			None
47	M155						Yes	** NA **			None
48	M156						Yes	** NA **			None
49	M157						Yes				None
50	M158						Yes	Default			None
51	M159						Yes	Default			None
52	M160						Yes	Default			None
53	M161						Yes	** NA **			None
54	M162						Yes	** NA **			None
55	M163	OOOOOX	OOOOOX				Yes	Default			None
56	M164	OOOOOX	OOOOOX				Yes	Default			None
57	M165						Yes	** NA **			None
58	M166						Yes	** NA **			None
59	M167						Yes	** NA **			None
60	M168						Yes	** NA **			None
61	M169						Yes	** NA **			None
62	M170		BenPIN				Yes	** NA **			None
63	M171						Yes				None
64	M172		BenPIN				Yes	** NA **			None
65	M173						Yes	** NA **			None
66	M174						Yes	** NA **			None
67	M175		BenPIN				Yes	** NA **			None
68	M176						Yes				None
69	M177		BenPIN				Yes	** NA **			None
70	M178						Yes	** NA **			None
71	M179						Yes	** NA **			None
72	M180						Yes	** NA **			None
73	M181						Yes	Default			None
74	M106						Yes	Default			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...
75	M108						Yes	Default			None
76	M84						Yes	Default			None
77	M88						Yes	Default			None
78	M89						Yes	Default			None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP1A						Yes	** NA **			None
88	MP2A						Yes	** NA **			None
89	MP3A						Yes	** NA **			None
90	MP4A						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP1C						Yes	** NA **			None
100	MP2C						Yes	** NA **			None
101	MP3C						Yes	** NA **			None
102	MP4C						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106A						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108A						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	MP1B						Yes	** NA **			None
112	MP2B						Yes	** NA **			None
113	MP3B						Yes	** NA **			None
114	MP4B						Yes	** NA **			None
115	M115A	OOOOOX					Yes	** NA **			None
116	M116A	OOOOOX					Yes	** NA **			None
117	M117A	OOOOOX					Yes	** NA **			None
118	M118A	OOOOOX					Yes	** NA **			None
119	M119A	OOOOOX					Yes	** NA **			None
120	M120A	OOOOOX					Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	M122A						Yes	** NA **			None
123	M123A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.55	.5
2	MP3A	My	.021	.5
3	MP3A	Mz	.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	Y	-43.55	5.5
5	MP3A	My	.021	5.5
6	MP3A	Mz	.004	5.5
7	MP3B	Y	-43.55	.5
8	MP3B	My	-.014	.5
9	MP3B	Mz	.017	.5
10	MP3B	Y	-43.55	5.5
11	MP3B	My	-.014	5.5
12	MP3B	Mz	.017	5.5
13	MP3C	Y	-43.55	.5
14	MP3C	My	-.007	.5
15	MP3C	Mz	-.02	.5
16	MP3C	Y	-43.55	5.5
17	MP3C	My	-.007	5.5
18	MP3C	Mz	-.02	5.5
19	MP2A	Y	-31.65	.5
20	MP2A	My	-.018	.5
21	MP2A	Mz	.013	.5
22	MP2A	Y	-31.65	5.5
23	MP2A	My	-.018	5.5
24	MP2A	Mz	.013	5.5
25	MP2B	Y	-31.65	.5
26	MP2B	My	-.002	.5
27	MP2B	Mz	-.022	.5
28	MP2B	Y	-31.65	5.5
29	MP2B	My	-.002	5.5
30	MP2B	Mz	-.022	5.5
31	MP2C	Y	-31.65	.5
32	MP2C	My	.02	.5
33	MP2C	Mz	.009	.5
34	MP2C	Y	-31.65	5.5
35	MP2C	My	.02	5.5
36	MP2C	Mz	.009	5.5
37	MP2A	Y	-31.65	.5
38	MP2A	My	-.013	.5
39	MP2A	Mz	-.018	.5
40	MP2A	Y	-31.65	5.5
41	MP2A	My	-.013	5.5
42	MP2A	Mz	-.018	5.5
43	MP2B	Y	-31.65	.5
44	MP2B	My	.022	.5
45	MP2B	Mz	-.002	.5
46	MP2B	Y	-31.65	5.5
47	MP2B	My	.022	5.5
48	MP2B	Mz	-.002	5.5
49	MP2C	Y	-31.65	.5
50	MP2C	My	-.009	.5
51	MP2C	Mz	.02	.5
52	MP2C	Y	-31.65	5.5
53	MP2C	My	-.009	5.5
54	MP2C	Mz	.02	5.5
55	MP1B	Y	-10	.5
56	MP1B	My	.003	.5
57	MP1B	Mz	-.004	.5
58	MP1B	Y	-10	5.5
59	MP1B	My	.003	5.5
60	MP1B	Mz	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	Y	-10	.5
62	MP1C	My	.002	.5
63	MP1C	Mz	.005	.5
64	MP1C	Y	-10	5.5
65	MP1C	My	.002	5.5
66	MP1C	Mz	.005	5.5
67	MP4B	Y	-10	.5
68	MP4B	My	.003	.5
69	MP4B	Mz	-.004	.5
70	MP4B	Y	-10	5.5
71	MP4B	My	.003	5.5
72	MP4B	Mz	-.004	5.5
73	MP4C	Y	-10	.5
74	MP4C	My	.002	.5
75	MP4C	Mz	.005	.5
76	MP4C	Y	-10	5.5
77	MP4C	My	.002	5.5
78	MP4C	Mz	.005	5.5
79	MP1A	Y	-6	.5
80	MP1A	My	-.003	.5
81	MP1A	Mz	-.000521	.5
82	MP1A	Y	-6	5.5
83	MP1A	My	-.003	5.5
84	MP1A	Mz	-.000521	5.5
85	MP4A	Y	-6	.5
86	MP4A	My	-.003	.5
87	MP4A	Mz	-.000521	.5
88	MP4A	Y	-6	5.5
89	MP4A	My	-.003	5.5
90	MP4A	Mz	-.000521	5.5
91	MP2A	Y	-10.4	4.5
92	MP2A	My	.005	4.5
93	MP2A	Mz	.000903	4.5
94	MP2B	Y	-10.4	4.5
95	MP2B	My	-.003	4.5
96	MP2B	Mz	.004	4.5
97	MP2C	Y	-10.4	4.5
98	MP2C	My	-.002	4.5
99	MP2C	Mz	-.005	4.5
100	MP3A	Y	-84.4	4.5
101	MP3A	My	.042	4.5
102	MP3A	Mz	.007	4.5
103	MP3B	Y	-84.4	4.5
104	MP3B	My	-.027	4.5
105	MP3B	Mz	.032	4.5
106	MP3C	Y	-84.4	3
107	MP3C	My	-.014	3
108	MP3C	Mz	-.04	3
109	MP2A	Y	-70.3	1
110	MP2A	My	.035	1
111	MP2A	Mz	.006	1
112	MP2B	Y	-70.3	1
113	MP2B	My	-.023	1
114	MP2B	Mz	.027	1
115	MP2C	Y	-70.3	1
116	MP2C	My	-.012	1
117	MP2C	Mz	-.033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	M101	Y	-26.9	1
119	M101	My	0	1
120	M101	Mz	0	1
121	M157	Y	-26.9	1
122	M157	My	0	1
123	M157	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-34.858	.5
2	MP3A	My	.017	.5
3	MP3A	Mz	.003	.5
4	MP3A	Y	-34.858	5.5
5	MP3A	My	.017	5.5
6	MP3A	Mz	.003	5.5
7	MP3B	Y	-34.858	.5
8	MP3B	My	-.011	.5
9	MP3B	Mz	.013	.5
10	MP3B	Y	-34.858	5.5
11	MP3B	My	-.011	5.5
12	MP3B	Mz	.013	5.5
13	MP3C	Y	-34.858	.5
14	MP3C	My	-.006	.5
15	MP3C	Mz	-.016	.5
16	MP3C	Y	-34.858	5.5
17	MP3C	My	-.006	5.5
18	MP3C	Mz	-.016	5.5
19	MP2A	Y	-68.49	.5
20	MP2A	My	-.04	.5
21	MP2A	Mz	.028	.5
22	MP2A	Y	-68.49	5.5
23	MP2A	My	-.04	5.5
24	MP2A	Mz	.028	5.5
25	MP2B	Y	-68.49	.5
26	MP2B	My	-.004	.5
27	MP2B	Mz	-.048	.5
28	MP2B	Y	-68.49	5.5
29	MP2B	My	-.004	5.5
30	MP2B	Mz	-.048	5.5
31	MP2C	Y	-68.49	.5
32	MP2C	My	.044	.5
33	MP2C	Mz	.02	.5
34	MP2C	Y	-68.49	5.5
35	MP2C	My	.044	5.5
36	MP2C	Mz	.02	5.5
37	MP2A	Y	-68.49	.5
38	MP2A	My	-.028	.5
39	MP2A	Mz	-.04	.5
40	MP2A	Y	-68.49	5.5
41	MP2A	My	-.028	5.5
42	MP2A	Mz	-.04	5.5
43	MP2B	Y	-68.49	.5
44	MP2B	My	.048	.5
45	MP2B	Mz	-.004	.5
46	MP2B	Y	-68.49	5.5
47	MP2B	My	.048	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mz	-.004	5.5
49	MP2C	Y	-68.49	.5
50	MP2C	My	-.02	.5
51	MP2C	Mz	.044	.5
52	MP2C	Y	-68.49	5.5
53	MP2C	My	-.02	5.5
54	MP2C	Mz	.044	5.5
55	MP1B	Y	-61.55	.5
56	MP1B	My	.02	.5
57	MP1B	Mz	-.024	.5
58	MP1B	Y	-61.55	5.5
59	MP1B	My	.02	5.5
60	MP1B	Mz	-.024	5.5
61	MP1C	Y	-61.55	.5
62	MP1C	My	.011	.5
63	MP1C	Mz	.029	.5
64	MP1C	Y	-61.55	5.5
65	MP1C	My	.011	5.5
66	MP1C	Mz	.029	5.5
67	MP4B	Y	-61.55	.5
68	MP4B	My	.02	.5
69	MP4B	Mz	-.024	.5
70	MP4B	Y	-61.55	5.5
71	MP4B	My	.02	5.5
72	MP4B	Mz	-.024	5.5
73	MP4C	Y	-61.55	.5
74	MP4C	My	.011	.5
75	MP4C	Mz	.029	.5
76	MP4C	Y	-61.55	5.5
77	MP4C	My	.011	5.5
78	MP4C	Mz	.029	5.5
79	MP1A	Y	-39.44	.5
80	MP1A	My	-.019	.5
81	MP1A	Mz	-.003	.5
82	MP1A	Y	-39.44	5.5
83	MP1A	My	-.019	5.5
84	MP1A	Mz	-.003	5.5
85	MP4A	Y	-39.44	.5
86	MP4A	My	-.019	.5
87	MP4A	Mz	-.003	.5
88	MP4A	Y	-39.44	5.5
89	MP4A	My	-.019	5.5
90	MP4A	Mz	-.003	5.5
91	MP2A	Y	-10.482	4.5
92	MP2A	My	.005	4.5
93	MP2A	Mz	.00091	4.5
94	MP2B	Y	-10.482	4.5
95	MP2B	My	-.003	4.5
96	MP2B	Mz	.004	4.5
97	MP2C	Y	-10.482	4.5
98	MP2C	My	-.002	4.5
99	MP2C	Mz	-.005	4.5
100	MP3A	Y	-43.934	4.5
101	MP3A	My	.022	4.5
102	MP3A	Mz	.004	4.5
103	MP3B	Y	-43.934	4.5
104	MP3B	My	-.014	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP3B	Mz	.017	4.5
106	MP3C	Y	-43.934	3
107	MP3C	My	-.008	3
108	MP3C	Mz	-.021	3
109	MP2A	Y	-39.504	1
110	MP2A	My	.019	1
111	MP2A	Mz	.003	1
112	MP2B	Y	-39.504	1
113	MP2B	My	-.013	1
114	MP2B	Mz	.015	1
115	MP2C	Y	-39.504	1
116	MP2C	My	-.007	1
117	MP2C	Mz	-.019	1
118	M101	Y	-15.325	1
119	M101	My	0	1
120	M101	Mz	0	1
121	M157	Y	-15.325	1
122	M157	My	0	1
123	M157	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-80.672	.5
3	MP3A	Mx	-.007	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-80.672	5.5
6	MP3A	Mx	-.007	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-52.835	.5
9	MP3B	Mx	-.02	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-52.835	5.5
12	MP3B	Mx	-.02	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-38.023	.5
15	MP3C	Mx	.018	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-38.023	5.5
18	MP3C	Mx	.018	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-157.641	.5
21	MP2A	Mx	-.064	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-157.641	5.5
24	MP2A	Mx	-.064	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-127.208	.5
27	MP2B	Mx	.09	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-127.208	5.5
30	MP2B	Mx	.09	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-111.014	.5
33	MP2C	Mx	-.033	.5
34	MP2C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-111.014	5.5
36	MP2C	Mx	-.033	5.5
37	MP2A	X	0	.5
38	MP2A	Z	-157.641	.5
39	MP2A	Mx	.091	.5
40	MP2A	X	0	5.5
41	MP2A	Z	-157.641	5.5
42	MP2A	Mx	.091	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-127.208	.5
45	MP2B	Mx	.008	.5
46	MP2B	X	0	5.5
47	MP2B	Z	-127.208	5.5
48	MP2B	Mx	.008	5.5
49	MP2C	X	0	.5
50	MP2C	Z	-111.014	.5
51	MP2C	Mx	-.071	.5
52	MP2C	X	0	5.5
53	MP2C	Z	-111.014	5.5
54	MP2C	Mx	-.071	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-99.723	.5
57	MP1B	Mx	.038	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-99.723	5.5
60	MP1B	Mx	.038	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-95.781	.5
63	MP1C	Mx	-.045	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-95.781	5.5
66	MP1C	Mx	-.045	5.5
67	MP4B	X	0	.5
68	MP4B	Z	-99.723	.5
69	MP4B	Mx	.038	.5
70	MP4B	X	0	5.5
71	MP4B	Z	-99.723	5.5
72	MP4B	Mx	.038	5.5
73	MP4C	X	0	.5
74	MP4C	Z	-95.781	.5
75	MP4C	Mx	-.045	.5
76	MP4C	X	0	5.5
77	MP4C	Z	-95.781	5.5
78	MP4C	Mx	-.045	5.5
79	MP1A	X	0	.5
80	MP1A	Z	-47.107	.5
81	MP1A	Mx	.004	.5
82	MP1A	X	0	5.5
83	MP1A	Z	-47.107	5.5
84	MP1A	Mx	.004	5.5
85	MP4A	X	0	.5
86	MP4A	Z	-47.107	.5
87	MP4A	Mx	.004	.5
88	MP4A	X	0	5.5
89	MP4A	Z	-47.107	5.5
90	MP4A	Mx	.004	5.5
91	MP2A	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP2A	Z	-12.819	4.5
93	MP2A	Mx	-.001	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	-10.6	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	-9.419	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	-64.74	4.5
102	MP3A	Mx	-.006	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	-52.671	4.5
105	MP3B	Mx	-.02	4.5
106	MP3C	X	0	3
107	MP3C	Z	-46.249	3
108	MP3C	Mx	.022	3
109	MP2A	X	0	1
110	MP2A	Z	-64.49	1
111	MP2A	Mx	-.006	1
112	MP2B	X	0	1
113	MP2B	Z	-47.797	1
114	MP2B	Mx	-.018	1
115	MP2C	X	0	1
116	MP2C	Z	-38.915	1
117	MP2C	Mx	.018	1
118	M101	X	0	1
119	M101	Z	-65.569	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	-65.569	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	38.165	.5
2	MP3A	Z	-66.104	.5
3	MP3A	Mx	.013	.5
4	MP3A	X	38.165	5.5
5	MP3A	Z	-66.104	5.5
6	MP3A	Mx	.013	5.5
7	MP3B	X	16.841	.5
8	MP3B	Z	-29.169	.5
9	MP3B	Mx	-.017	.5
10	MP3B	X	16.841	5.5
11	MP3B	Z	-29.169	5.5
12	MP3B	Mx	-.017	5.5
13	MP3C	X	30.759	.5
14	MP3C	Z	-53.277	.5
15	MP3C	Mx	.02	.5
16	MP3C	X	30.759	5.5
17	MP3C	Z	-53.277	5.5
18	MP3C	Mx	.02	5.5
19	MP2A	X	76.447	.5
20	MP2A	Z	-132.41	.5
21	MP2A	Mx	-.098	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	76.447	5.5
23	MP2A	Z	-132.41	5.5
24	MP2A	Mx	-.098	5.5
25	MP2B	X	53.134	.5
26	MP2B	Z	-92.031	.5
27	MP2B	Mx	.062	.5
28	MP2B	X	53.134	5.5
29	MP2B	Z	-92.031	5.5
30	MP2B	Mx	.062	5.5
31	MP2C	X	68.35	.5
32	MP2C	Z	-118.386	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	68.35	5.5
35	MP2C	Z	-118.386	5.5
36	MP2C	Mx	.008	5.5
37	MP2A	X	76.447	.5
38	MP2A	Z	-132.41	.5
39	MP2A	Mx	.046	.5
40	MP2A	X	76.447	5.5
41	MP2A	Z	-132.41	5.5
42	MP2A	Mx	.046	5.5
43	MP2B	X	53.134	.5
44	MP2B	Z	-92.031	.5
45	MP2B	Mx	.043	.5
46	MP2B	X	53.134	5.5
47	MP2B	Z	-92.031	5.5
48	MP2B	Mx	.043	5.5
49	MP2C	X	68.35	.5
50	MP2C	Z	-118.386	.5
51	MP2C	Mx	-.096	.5
52	MP2C	X	68.35	5.5
53	MP2C	Z	-118.386	5.5
54	MP2C	Mx	-.096	5.5
55	MP1B	X	47.313	.5
56	MP1B	Z	-81.948	.5
57	MP1B	Mx	.047	.5
58	MP1B	X	47.313	5.5
59	MP1B	Z	-81.948	5.5
60	MP1B	Mx	.047	5.5
61	MP1C	X	51.017	.5
62	MP1C	Z	-88.364	.5
63	MP1C	Mx	-.033	.5
64	MP1C	X	51.017	5.5
65	MP1C	Z	-88.364	5.5
66	MP1C	Mx	-.033	5.5
67	MP4B	X	47.313	.5
68	MP4B	Z	-81.948	.5
69	MP4B	Mx	.047	.5
70	MP4B	X	47.313	5.5
71	MP4B	Z	-81.948	5.5
72	MP4B	Mx	.047	5.5
73	MP4C	X	51.017	.5
74	MP4C	Z	-88.364	.5
75	MP4C	Mx	-.033	.5
76	MP4C	X	51.017	5.5
77	MP4C	Z	-88.364	5.5
78	MP4C	Mx	-.033	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	25.67	.5
80	MP1A	Z	-44.462	.5
81	MP1A	Mx	-.009	.5
82	MP1A	X	25.67	5.5
83	MP1A	Z	-44.462	5.5
84	MP1A	Mx	-.009	5.5
85	MP4A	X	25.67	.5
86	MP4A	Z	-44.462	.5
87	MP4A	Mx	-.009	.5
88	MP4A	X	25.67	5.5
89	MP4A	Z	-44.462	5.5
90	MP4A	Mx	-.009	5.5
91	MP2A	X	6.236	4.5
92	MP2A	Z	-10.802	4.5
93	MP2A	Mx	.002	4.5
94	MP2B	X	4.536	4.5
95	MP2B	Z	-7.857	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	5.646	4.5
98	MP2C	Z	-9.779	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	31.429	4.5
101	MP3A	Z	-54.437	4.5
102	MP3A	Mx	.011	4.5
103	MP3B	X	22.183	4.5
104	MP3B	Z	-38.423	4.5
105	MP3B	Mx	-.022	4.5
106	MP3C	X	28.218	3
107	MP3C	Z	-48.875	3
108	MP3C	Mx	.018	3
109	MP2A	X	30.943	1
110	MP2A	Z	-53.595	1
111	MP2A	Mx	.011	1
112	MP2B	X	18.156	1
113	MP2B	Z	-31.447	1
114	MP2B	Mx	-.018	1
115	MP2C	X	26.502	1
116	MP2C	Z	-45.903	1
117	MP2C	Mx	.017	1
118	M101	X	10.928	1
119	M101	Z	-18.928	1
120	M101	Mx	0	1
121	M157	X	10.928	1
122	M157	Z	-18.928	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	45.756	.5
2	MP3A	Z	-26.417	.5
3	MP3A	Mx	.02	.5
4	MP3A	X	45.756	5.5
5	MP3A	Z	-26.417	5.5
6	MP3A	Mx	.02	5.5
7	MP3B	X	32.929	.5
8	MP3B	Z	-19.011	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.018	.5
10	MP3B	X	32.929	5.5
11	MP3B	Z	-19.011	5.5
12	MP3B	Mx	-.018	5.5
13	MP3C	X	69.864	.5
14	MP3C	Z	-40.336	.5
15	MP3C	Mx	.007	.5
16	MP3C	X	69.864	5.5
17	MP3C	Z	-40.336	5.5
18	MP3C	Mx	.007	5.5
19	MP2A	X	110.165	.5
20	MP2A	Z	-63.604	.5
21	MP2A	Mx	-.09	.5
22	MP2A	X	110.165	5.5
23	MP2A	Z	-63.604	5.5
24	MP2A	Mx	-.09	5.5
25	MP2B	X	96.141	.5
26	MP2B	Z	-55.507	.5
27	MP2B	Mx	.033	.5
28	MP2B	X	96.141	5.5
29	MP2B	Z	-55.507	5.5
30	MP2B	Mx	.033	5.5
31	MP2C	X	136.521	.5
32	MP2C	Z	-78.82	.5
33	MP2C	Mx	.064	.5
34	MP2C	X	136.521	5.5
35	MP2C	Z	-78.82	5.5
36	MP2C	Mx	.064	5.5
37	MP2A	X	110.165	.5
38	MP2A	Z	-63.604	.5
39	MP2A	Mx	-.008	.5
40	MP2A	X	110.165	5.5
41	MP2A	Z	-63.604	5.5
42	MP2A	Mx	-.008	5.5
43	MP2B	X	96.141	.5
44	MP2B	Z	-55.507	.5
45	MP2B	Mx	.071	.5
46	MP2B	X	96.141	5.5
47	MP2B	Z	-55.507	5.5
48	MP2B	Mx	.071	5.5
49	MP2C	X	136.521	.5
50	MP2C	Z	-78.82	.5
51	MP2C	Mx	-.091	.5
52	MP2C	X	136.521	5.5
53	MP2C	Z	-78.82	5.5
54	MP2C	Mx	-.091	5.5
55	MP1B	X	82.949	.5
56	MP1B	Z	-47.891	.5
57	MP1B	Mx	.045	.5
58	MP1B	X	82.949	5.5
59	MP1B	Z	-47.891	5.5
60	MP1B	Mx	.045	5.5
61	MP1C	X	92.779	.5
62	MP1C	Z	-53.566	.5
63	MP1C	Mx	-.009	.5
64	MP1C	X	92.779	5.5
65	MP1C	Z	-53.566	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.009	5.5
67	MP4B	X	82.949	.5
68	MP4B	Z	-47.891	.5
69	MP4B	Mx	.045	.5
70	MP4B	X	82.949	5.5
71	MP4B	Z	-47.891	5.5
72	MP4B	Mx	.045	5.5
73	MP4C	X	92.779	.5
74	MP4C	Z	-53.566	.5
75	MP4C	Mx	-.009	.5
76	MP4C	X	92.779	5.5
77	MP4C	Z	-53.566	5.5
78	MP4C	Mx	-.009	5.5
79	MP1A	X	64.304	.5
80	MP1A	Z	-37.126	.5
81	MP1A	Mx	-.028	.5
82	MP1A	X	64.304	5.5
83	MP1A	Z	-37.126	5.5
84	MP1A	Mx	-.028	5.5
85	MP4A	X	64.304	.5
86	MP4A	Z	-37.126	.5
87	MP4A	Mx	-.028	.5
88	MP4A	X	64.304	5.5
89	MP4A	Z	-37.126	5.5
90	MP4A	Mx	-.028	5.5
91	MP2A	X	9.179	4.5
92	MP2A	Z	-5.3	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	8.157	4.5
95	MP2B	Z	-4.709	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	11.101	4.5
98	MP2C	Z	-6.409	4.5
99	MP2C	Mx	.001	4.5
100	MP3A	X	45.614	4.5
101	MP3A	Z	-26.336	4.5
102	MP3A	Mx	.02	4.5
103	MP3B	X	40.053	4.5
104	MP3B	Z	-23.125	4.5
105	MP3B	Mx	-.022	4.5
106	MP3C	X	56.067	3
107	MP3C	Z	-32.37	3
108	MP3C	Mx	.006	3
109	MP2A	X	41.394	1
110	MP2A	Z	-23.899	1
111	MP2A	Mx	.018	1
112	MP2B	X	33.701	1
113	MP2B	Z	-19.458	1
114	MP2B	Mx	-.018	1
115	MP2C	X	55.85	1
116	MP2C	Z	-32.245	1
117	MP2C	Mx	.006	1
118	M101	X	0	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	33.681	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.017	.5
4	MP3A	X	33.681	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.017	5.5
7	MP3B	X	61.518	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.02	.5
10	MP3B	X	61.518	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.02	5.5
13	MP3C	X	76.33	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.013	.5
16	MP3C	X	76.33	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.013	5.5
19	MP2A	X	106.268	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.062	.5
22	MP2A	X	106.268	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.062	5.5
25	MP2B	X	136.701	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	136.701	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.008	5.5
31	MP2C	X	152.894	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.098	.5
34	MP2C	X	152.894	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.098	5.5
37	MP2A	X	106.268	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.043	.5
40	MP2A	X	106.268	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.043	5.5
43	MP2B	X	136.701	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.096	.5
46	MP2B	X	136.701	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.096	5.5
49	MP2C	X	152.894	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.046	.5
52	MP2C	X	152.894	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.046	5.5
55	MP1B	X	102.034	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.033	.5
58	MP1B	X	102.034	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.033	5.5
61	MP1C	X	105.976	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	.018	.5
64	MP1C	X	105.976	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	.018	5.5
67	MP4B	X	102.034	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.033	.5
70	MP4B	X	102.034	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.033	5.5
73	MP4C	X	105.976	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	.018	.5
76	MP4C	X	105.976	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	.018	5.5
79	MP1A	X	92.929	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	-.046	.5
82	MP1A	X	92.929	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	-.046	5.5
85	MP4A	X	92.929	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	-.046	.5
88	MP4A	X	92.929	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	-.046	5.5
91	MP2A	X	9.073	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	11.292	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	-.004	4.5
97	MP2C	X	12.473	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	-.002	4.5
100	MP3A	X	44.367	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	.022	4.5
103	MP3B	X	56.436	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	-.018	4.5
106	MP3C	X	62.858	3
107	MP3C	Z	0	3
108	MP3C	Mx	-.011	3
109	MP2A	X	36.312	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP2A	Z	0	1
111	MP2A	Mx	.018	1
112	MP2B	X	53.004	1
113	MP2B	Z	0	1
114	MP2B	Mx	-.017	1
115	MP2C	X	61.886	1
116	MP2C	Z	0	1
117	MP2C	Mx	-.011	1
118	M101	X	21.856	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	21.856	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	32.929	.5
2	MP3A	Z	19.011	.5
3	MP3A	Mx	.018	.5
4	MP3A	X	32.929	5.5
5	MP3A	Z	19.011	5.5
6	MP3A	Mx	.018	5.5
7	MP3B	X	69.864	.5
8	MP3B	Z	40.336	.5
9	MP3B	Mx	-.007	.5
10	MP3B	X	69.864	5.5
11	MP3B	Z	40.336	5.5
12	MP3B	Mx	-.007	5.5
13	MP3C	X	45.756	.5
14	MP3C	Z	26.417	.5
15	MP3C	Mx	-.02	.5
16	MP3C	X	45.756	5.5
17	MP3C	Z	26.417	5.5
18	MP3C	Mx	-.02	5.5
19	MP2A	X	96.141	.5
20	MP2A	Z	55.507	.5
21	MP2A	Mx	-.033	.5
22	MP2A	X	96.141	5.5
23	MP2A	Z	55.507	5.5
24	MP2A	Mx	-.033	5.5
25	MP2B	X	136.521	.5
26	MP2B	Z	78.82	.5
27	MP2B	Mx	-.064	.5
28	MP2B	X	136.521	5.5
29	MP2B	Z	78.82	5.5
30	MP2B	Mx	-.064	5.5
31	MP2C	X	110.165	.5
32	MP2C	Z	63.604	.5
33	MP2C	Mx	.09	.5
34	MP2C	X	110.165	5.5
35	MP2C	Z	63.604	5.5
36	MP2C	Mx	.09	5.5
37	MP2A	X	96.141	.5
38	MP2A	Z	55.507	.5
39	MP2A	Mx	-.071	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	96.141	5.5
41	MP2A	Z	55.507	5.5
42	MP2A	Mx	-.071	5.5
43	MP2B	X	136.521	.5
44	MP2B	Z	78.82	.5
45	MP2B	Mx	.091	.5
46	MP2B	X	136.521	5.5
47	MP2B	Z	78.82	5.5
48	MP2B	Mx	.091	5.5
49	MP2C	X	110.165	.5
50	MP2C	Z	63.604	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	110.165	5.5
53	MP2C	Z	63.604	5.5
54	MP2C	Mx	.008	5.5
55	MP1B	X	92.779	.5
56	MP1B	Z	53.566	.5
57	MP1B	Mx	.009	.5
58	MP1B	X	92.779	5.5
59	MP1B	Z	53.566	5.5
60	MP1B	Mx	.009	5.5
61	MP1C	X	86.363	.5
62	MP1C	Z	49.862	.5
63	MP1C	Mx	.038	.5
64	MP1C	X	86.363	5.5
65	MP1C	Z	49.862	5.5
66	MP1C	Mx	.038	5.5
67	MP4B	X	92.779	.5
68	MP4B	Z	53.566	.5
69	MP4B	Mx	.009	.5
70	MP4B	X	92.779	5.5
71	MP4B	Z	53.566	5.5
72	MP4B	Mx	.009	5.5
73	MP4C	X	86.363	.5
74	MP4C	Z	49.862	.5
75	MP4C	Mx	.038	.5
76	MP4C	X	86.363	5.5
77	MP4C	Z	49.862	5.5
78	MP4C	Mx	.038	5.5
79	MP1A	X	76.812	.5
80	MP1A	Z	44.348	.5
81	MP1A	Mx	-.042	.5
82	MP1A	X	76.812	5.5
83	MP1A	Z	44.348	5.5
84	MP1A	Mx	-.042	5.5
85	MP4A	X	76.812	.5
86	MP4A	Z	44.348	.5
87	MP4A	Mx	-.042	.5
88	MP4A	X	76.812	5.5
89	MP4A	Z	44.348	5.5
90	MP4A	Mx	-.042	5.5
91	MP2A	X	8.157	4.5
92	MP2A	Z	4.709	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	11.101	4.5
95	MP2B	Z	6.409	4.5
96	MP2B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP2C	X	9.179	4.5
98	MP2C	Z	5.3	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	40.053	4.5
101	MP3A	Z	23.125	4.5
102	MP3A	Mx	.022	4.5
103	MP3B	X	56.067	4.5
104	MP3B	Z	32.37	4.5
105	MP3B	Mx	-.006	4.5
106	MP3C	X	45.614	3
107	MP3C	Z	26.336	3
108	MP3C	Mx	-.02	3
109	MP2A	X	33.701	1
110	MP2A	Z	19.458	1
111	MP2A	Mx	.018	1
112	MP2B	X	55.85	1
113	MP2B	Z	32.245	1
114	MP2B	Mx	-.006	1
115	MP2C	X	41.394	1
116	MP2C	Z	23.899	1
117	MP2C	Mx	-.018	1
118	M101	X	56.785	1
119	M101	Z	32.785	1
120	M101	Mx	0	1
121	M157	X	56.785	1
122	M157	Z	32.785	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	30.759	.5
2	MP3A	Z	53.277	.5
3	MP3A	Mx	.02	.5
4	MP3A	X	30.759	5.5
5	MP3A	Z	53.277	5.5
6	MP3A	Mx	.02	5.5
7	MP3B	X	38.165	.5
8	MP3B	Z	66.104	.5
9	MP3B	Mx	.013	.5
10	MP3B	X	38.165	5.5
11	MP3B	Z	66.104	5.5
12	MP3B	Mx	.013	5.5
13	MP3C	X	16.841	.5
14	MP3C	Z	29.169	.5
15	MP3C	Mx	-.017	.5
16	MP3C	X	16.841	5.5
17	MP3C	Z	29.169	5.5
18	MP3C	Mx	-.017	5.5
19	MP2A	X	68.35	.5
20	MP2A	Z	118.386	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	68.35	5.5
23	MP2A	Z	118.386	5.5
24	MP2A	Mx	.008	5.5
25	MP2B	X	76.447	.5
26	MP2B	Z	132.41	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.098	.5
28	MP2B	X	76.447	5.5
29	MP2B	Z	132.41	5.5
30	MP2B	Mx	-.098	5.5
31	MP2C	X	53.134	.5
32	MP2C	Z	92.031	.5
33	MP2C	Mx	.062	.5
34	MP2C	X	53.134	5.5
35	MP2C	Z	92.031	5.5
36	MP2C	Mx	.062	5.5
37	MP2A	X	68.35	.5
38	MP2A	Z	118.386	.5
39	MP2A	Mx	-.096	.5
40	MP2A	X	68.35	5.5
41	MP2A	Z	118.386	5.5
42	MP2A	Mx	-.096	5.5
43	MP2B	X	76.447	.5
44	MP2B	Z	132.41	.5
45	MP2B	Mx	.046	.5
46	MP2B	X	76.447	5.5
47	MP2B	Z	132.41	5.5
48	MP2B	Mx	.046	5.5
49	MP2C	X	53.134	.5
50	MP2C	Z	92.031	.5
51	MP2C	Mx	.043	.5
52	MP2C	X	53.134	5.5
53	MP2C	Z	92.031	5.5
54	MP2C	Mx	.043	5.5
55	MP1B	X	52.988	.5
56	MP1B	Z	91.778	.5
57	MP1B	Mx	-.018	.5
58	MP1B	X	52.988	5.5
59	MP1B	Z	91.778	5.5
60	MP1B	Mx	-.018	5.5
61	MP1C	X	47.313	.5
62	MP1C	Z	81.948	.5
63	MP1C	Mx	.047	.5
64	MP1C	X	47.313	5.5
65	MP1C	Z	81.948	5.5
66	MP1C	Mx	.047	5.5
67	MP4B	X	52.988	.5
68	MP4B	Z	91.778	.5
69	MP4B	Mx	-.018	.5
70	MP4B	X	52.988	5.5
71	MP4B	Z	91.778	5.5
72	MP4B	Mx	-.018	5.5
73	MP4C	X	47.313	.5
74	MP4C	Z	81.948	.5
75	MP4C	Mx	.047	.5
76	MP4C	X	47.313	5.5
77	MP4C	Z	81.948	5.5
78	MP4C	Mx	.047	5.5
79	MP1A	X	32.892	.5
80	MP1A	Z	56.971	.5
81	MP1A	Mx	-.021	.5
82	MP1A	X	32.892	5.5
83	MP1A	Z	56.971	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1A	Mx	-.021	5.5
85	MP4A	X	32.892	.5
86	MP4A	Z	56.971	.5
87	MP4A	Mx	-.021	.5
88	MP4A	X	32.892	5.5
89	MP4A	Z	56.971	5.5
90	MP4A	Mx	-.021	5.5
91	MP2A	X	5.646	4.5
92	MP2A	Z	9.779	4.5
93	MP2A	Mx	.004	4.5
94	MP2B	X	6.236	4.5
95	MP2B	Z	10.802	4.5
96	MP2B	Mx	.002	4.5
97	MP2C	X	4.536	4.5
98	MP2C	Z	7.857	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	28.218	4.5
101	MP3A	Z	48.875	4.5
102	MP3A	Mx	.018	4.5
103	MP3B	X	31.429	4.5
104	MP3B	Z	54.437	4.5
105	MP3B	Mx	.011	4.5
106	MP3C	X	22.183	3
107	MP3C	Z	38.423	3
108	MP3C	Mx	-.022	3
109	MP2A	X	26.502	1
110	MP2A	Z	45.903	1
111	MP2A	Mx	.017	1
112	MP2B	X	30.943	1
113	MP2B	Z	53.595	1
114	MP2B	Mx	.011	1
115	MP2C	X	18.156	1
116	MP2C	Z	31.447	1
117	MP2C	Mx	-.018	1
118	M101	X	43.713	1
119	M101	Z	75.713	1
120	M101	Mx	0	1
121	M157	X	43.713	1
122	M157	Z	75.713	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	80.672	.5
3	MP3A	Mx	.007	.5
4	MP3A	X	0	5.5
5	MP3A	Z	80.672	5.5
6	MP3A	Mx	.007	5.5
7	MP3B	X	0	.5
8	MP3B	Z	52.835	.5
9	MP3B	Mx	.02	.5
10	MP3B	X	0	5.5
11	MP3B	Z	52.835	5.5
12	MP3B	Mx	.02	5.5
13	MP3C	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3C	Z	38.023	.5
15	MP3C	Mx	-.018	.5
16	MP3C	X	0	5.5
17	MP3C	Z	38.023	5.5
18	MP3C	Mx	-.018	5.5
19	MP2A	X	0	.5
20	MP2A	Z	157.641	.5
21	MP2A	Mx	.064	.5
22	MP2A	X	0	5.5
23	MP2A	Z	157.641	5.5
24	MP2A	Mx	.064	5.5
25	MP2B	X	0	.5
26	MP2B	Z	127.208	.5
27	MP2B	Mx	-.09	.5
28	MP2B	X	0	5.5
29	MP2B	Z	127.208	5.5
30	MP2B	Mx	-.09	5.5
31	MP2C	X	0	.5
32	MP2C	Z	111.014	.5
33	MP2C	Mx	.033	.5
34	MP2C	X	0	5.5
35	MP2C	Z	111.014	5.5
36	MP2C	Mx	.033	5.5
37	MP2A	X	0	.5
38	MP2A	Z	157.641	.5
39	MP2A	Mx	-.091	.5
40	MP2A	X	0	5.5
41	MP2A	Z	157.641	5.5
42	MP2A	Mx	-.091	5.5
43	MP2B	X	0	.5
44	MP2B	Z	127.208	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	0	5.5
47	MP2B	Z	127.208	5.5
48	MP2B	Mx	-.008	5.5
49	MP2C	X	0	.5
50	MP2C	Z	111.014	.5
51	MP2C	Mx	.071	.5
52	MP2C	X	0	5.5
53	MP2C	Z	111.014	5.5
54	MP2C	Mx	.071	5.5
55	MP1B	X	0	.5
56	MP1B	Z	99.723	.5
57	MP1B	Mx	-.038	.5
58	MP1B	X	0	5.5
59	MP1B	Z	99.723	5.5
60	MP1B	Mx	-.038	5.5
61	MP1C	X	0	.5
62	MP1C	Z	95.781	.5
63	MP1C	Mx	.045	.5
64	MP1C	X	0	5.5
65	MP1C	Z	95.781	5.5
66	MP1C	Mx	.045	5.5
67	MP4B	X	0	.5
68	MP4B	Z	99.723	.5
69	MP4B	Mx	-.038	.5
70	MP4B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4B	Z	99.723	5.5
72	MP4B	Mx	-.038	5.5
73	MP4C	X	0	.5
74	MP4C	Z	95.781	.5
75	MP4C	Mx	.045	.5
76	MP4C	X	0	5.5
77	MP4C	Z	95.781	5.5
78	MP4C	Mx	.045	5.5
79	MP1A	X	0	.5
80	MP1A	Z	47.107	.5
81	MP1A	Mx	-.004	.5
82	MP1A	X	0	5.5
83	MP1A	Z	47.107	5.5
84	MP1A	Mx	-.004	5.5
85	MP4A	X	0	.5
86	MP4A	Z	47.107	.5
87	MP4A	Mx	-.004	.5
88	MP4A	X	0	5.5
89	MP4A	Z	47.107	5.5
90	MP4A	Mx	-.004	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	12.819	4.5
93	MP2A	Mx	.001	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	10.6	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	9.419	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	64.74	4.5
102	MP3A	Mx	.006	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	52.671	4.5
105	MP3B	Mx	.02	4.5
106	MP3C	X	0	3
107	MP3C	Z	46.249	3
108	MP3C	Mx	-.022	3
109	MP2A	X	0	1
110	MP2A	Z	64.49	1
111	MP2A	Mx	.006	1
112	MP2B	X	0	1
113	MP2B	Z	47.797	1
114	MP2B	Mx	.018	1
115	MP2C	X	0	1
116	MP2C	Z	38.915	1
117	MP2C	Mx	-.018	1
118	M101	X	0	1
119	M101	Z	65.569	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	65.569	1
123	M157	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-38.165	.5
2	MP3A	Z	66.104	.5
3	MP3A	Mx	-.013	.5
4	MP3A	X	-38.165	5.5
5	MP3A	Z	66.104	5.5
6	MP3A	Mx	-.013	5.5
7	MP3B	X	-16.841	.5
8	MP3B	Z	29.169	.5
9	MP3B	Mx	.017	.5
10	MP3B	X	-16.841	5.5
11	MP3B	Z	29.169	5.5
12	MP3B	Mx	.017	5.5
13	MP3C	X	-30.759	.5
14	MP3C	Z	53.277	.5
15	MP3C	Mx	-.02	.5
16	MP3C	X	-30.759	5.5
17	MP3C	Z	53.277	5.5
18	MP3C	Mx	-.02	5.5
19	MP2A	X	-76.447	.5
20	MP2A	Z	132.41	.5
21	MP2A	Mx	.098	.5
22	MP2A	X	-76.447	5.5
23	MP2A	Z	132.41	5.5
24	MP2A	Mx	.098	5.5
25	MP2B	X	-53.134	.5
26	MP2B	Z	92.031	.5
27	MP2B	Mx	-.062	.5
28	MP2B	X	-53.134	5.5
29	MP2B	Z	92.031	5.5
30	MP2B	Mx	-.062	5.5
31	MP2C	X	-68.35	.5
32	MP2C	Z	118.386	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	-68.35	5.5
35	MP2C	Z	118.386	5.5
36	MP2C	Mx	-.008	5.5
37	MP2A	X	-76.447	.5
38	MP2A	Z	132.41	.5
39	MP2A	Mx	-.046	.5
40	MP2A	X	-76.447	5.5
41	MP2A	Z	132.41	5.5
42	MP2A	Mx	-.046	5.5
43	MP2B	X	-53.134	.5
44	MP2B	Z	92.031	.5
45	MP2B	Mx	-.043	.5
46	MP2B	X	-53.134	5.5
47	MP2B	Z	92.031	5.5
48	MP2B	Mx	-.043	5.5
49	MP2C	X	-68.35	.5
50	MP2C	Z	118.386	.5
51	MP2C	Mx	.096	.5
52	MP2C	X	-68.35	5.5
53	MP2C	Z	118.386	5.5
54	MP2C	Mx	.096	5.5
55	MP1B	X	-47.313	.5
56	MP1B	Z	81.948	.5
57	MP1B	Mx	-.047	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-47.313	5.5
59	MP1B	Z	81.948	5.5
60	MP1B	Mx	-.047	5.5
61	MP1C	X	-51.017	.5
62	MP1C	Z	88.364	.5
63	MP1C	Mx	.033	.5
64	MP1C	X	-51.017	5.5
65	MP1C	Z	88.364	5.5
66	MP1C	Mx	.033	5.5
67	MP4B	X	-47.313	.5
68	MP4B	Z	81.948	.5
69	MP4B	Mx	-.047	.5
70	MP4B	X	-47.313	5.5
71	MP4B	Z	81.948	5.5
72	MP4B	Mx	-.047	5.5
73	MP4C	X	-51.017	.5
74	MP4C	Z	88.364	.5
75	MP4C	Mx	.033	.5
76	MP4C	X	-51.017	5.5
77	MP4C	Z	88.364	5.5
78	MP4C	Mx	.033	5.5
79	MP1A	X	-25.67	.5
80	MP1A	Z	44.462	.5
81	MP1A	Mx	.009	.5
82	MP1A	X	-25.67	5.5
83	MP1A	Z	44.462	5.5
84	MP1A	Mx	.009	5.5
85	MP4A	X	-25.67	.5
86	MP4A	Z	44.462	.5
87	MP4A	Mx	.009	.5
88	MP4A	X	-25.67	5.5
89	MP4A	Z	44.462	5.5
90	MP4A	Mx	.009	5.5
91	MP2A	X	-6.236	4.5
92	MP2A	Z	10.802	4.5
93	MP2A	Mx	-.002	4.5
94	MP2B	X	-4.536	4.5
95	MP2B	Z	7.857	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	-5.646	4.5
98	MP2C	Z	9.779	4.5
99	MP2C	Mx	-.004	4.5
100	MP3A	X	-31.429	4.5
101	MP3A	Z	54.437	4.5
102	MP3A	Mx	-.011	4.5
103	MP3B	X	-22.183	4.5
104	MP3B	Z	38.423	4.5
105	MP3B	Mx	.022	4.5
106	MP3C	X	-28.218	3
107	MP3C	Z	48.875	3
108	MP3C	Mx	-.018	3
109	MP2A	X	-30.943	1
110	MP2A	Z	53.595	1
111	MP2A	Mx	-.011	1
112	MP2B	X	-18.156	1
113	MP2B	Z	31.447	1
114	MP2B	Mx	.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	-26.502	1
116	MP2C	Z	45.903	1
117	MP2C	Mx	-.017	1
118	M101	X	-10.928	1
119	M101	Z	18.928	1
120	M101	Mx	0	1
121	M157	X	-10.928	1
122	M157	Z	18.928	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-45.756	.5
2	MP3A	Z	26.417	.5
3	MP3A	Mx	-.02	.5
4	MP3A	X	-45.756	5.5
5	MP3A	Z	26.417	5.5
6	MP3A	Mx	-.02	5.5
7	MP3B	X	-32.929	.5
8	MP3B	Z	19.011	.5
9	MP3B	Mx	.018	.5
10	MP3B	X	-32.929	5.5
11	MP3B	Z	19.011	5.5
12	MP3B	Mx	.018	5.5
13	MP3C	X	-69.864	.5
14	MP3C	Z	40.336	.5
15	MP3C	Mx	-.007	.5
16	MP3C	X	-69.864	5.5
17	MP3C	Z	40.336	5.5
18	MP3C	Mx	-.007	5.5
19	MP2A	X	-110.165	.5
20	MP2A	Z	63.604	.5
21	MP2A	Mx	.09	.5
22	MP2A	X	-110.165	5.5
23	MP2A	Z	63.604	5.5
24	MP2A	Mx	.09	5.5
25	MP2B	X	-96.141	.5
26	MP2B	Z	55.507	.5
27	MP2B	Mx	-.033	.5
28	MP2B	X	-96.141	5.5
29	MP2B	Z	55.507	5.5
30	MP2B	Mx	-.033	5.5
31	MP2C	X	-136.521	.5
32	MP2C	Z	78.82	.5
33	MP2C	Mx	-.064	.5
34	MP2C	X	-136.521	5.5
35	MP2C	Z	78.82	5.5
36	MP2C	Mx	-.064	5.5
37	MP2A	X	-110.165	.5
38	MP2A	Z	63.604	.5
39	MP2A	Mx	.008	.5
40	MP2A	X	-110.165	5.5
41	MP2A	Z	63.604	5.5
42	MP2A	Mx	.008	5.5
43	MP2B	X	-96.141	.5
44	MP2B	Z	55.507	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	-.071	.5
46	MP2B	X	-96.141	5.5
47	MP2B	Z	55.507	5.5
48	MP2B	Mx	-.071	5.5
49	MP2C	X	-136.521	.5
50	MP2C	Z	78.82	.5
51	MP2C	Mx	.091	.5
52	MP2C	X	-136.521	5.5
53	MP2C	Z	78.82	5.5
54	MP2C	Mx	.091	5.5
55	MP1B	X	-82.949	.5
56	MP1B	Z	47.891	.5
57	MP1B	Mx	-.045	.5
58	MP1B	X	-82.949	5.5
59	MP1B	Z	47.891	5.5
60	MP1B	Mx	-.045	5.5
61	MP1C	X	-92.779	.5
62	MP1C	Z	53.566	.5
63	MP1C	Mx	.009	.5
64	MP1C	X	-92.779	5.5
65	MP1C	Z	53.566	5.5
66	MP1C	Mx	.009	5.5
67	MP4B	X	-82.949	.5
68	MP4B	Z	47.891	.5
69	MP4B	Mx	-.045	.5
70	MP4B	X	-82.949	5.5
71	MP4B	Z	47.891	5.5
72	MP4B	Mx	-.045	5.5
73	MP4C	X	-92.779	.5
74	MP4C	Z	53.566	.5
75	MP4C	Mx	.009	.5
76	MP4C	X	-92.779	5.5
77	MP4C	Z	53.566	5.5
78	MP4C	Mx	.009	5.5
79	MP1A	X	-64.304	.5
80	MP1A	Z	37.126	.5
81	MP1A	Mx	.028	.5
82	MP1A	X	-64.304	5.5
83	MP1A	Z	37.126	5.5
84	MP1A	Mx	.028	5.5
85	MP4A	X	-64.304	.5
86	MP4A	Z	37.126	.5
87	MP4A	Mx	.028	.5
88	MP4A	X	-64.304	5.5
89	MP4A	Z	37.126	5.5
90	MP4A	Mx	.028	5.5
91	MP2A	X	-9.179	4.5
92	MP2A	Z	5.3	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-8.157	4.5
95	MP2B	Z	4.709	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	-11.101	4.5
98	MP2C	Z	6.409	4.5
99	MP2C	Mx	-.001	4.5
100	MP3A	X	-45.614	4.5
101	MP3A	Z	26.336	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP3A	Mx	-.02	4.5
103	MP3B	X	-40.053	4.5
104	MP3B	Z	23.125	4.5
105	MP3B	Mx	.022	4.5
106	MP3C	X	-56.067	3
107	MP3C	Z	32.37	3
108	MP3C	Mx	-.006	3
109	MP2A	X	-41.394	1
110	MP2A	Z	23.899	1
111	MP2A	Mx	-.018	1
112	MP2B	X	-33.701	1
113	MP2B	Z	19.458	1
114	MP2B	Mx	.018	1
115	MP2C	X	-55.85	1
116	MP2C	Z	32.245	1
117	MP2C	Mx	-.006	1
118	M101	X	0	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-33.681	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.017	.5
4	MP3A	X	-33.681	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.017	5.5
7	MP3B	X	-61.518	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.02	.5
10	MP3B	X	-61.518	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.02	5.5
13	MP3C	X	-76.33	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.013	.5
16	MP3C	X	-76.33	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.013	5.5
19	MP2A	X	-106.268	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.062	.5
22	MP2A	X	-106.268	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.062	5.5
25	MP2B	X	-136.701	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	-136.701	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.008	5.5
31	MP2C	X	-152.894	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	0	.5
33	MP2C	Mx	-.098	.5
34	MP2C	X	-152.894	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.098	5.5
37	MP2A	X	-106.268	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.043	.5
40	MP2A	X	-106.268	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.043	5.5
43	MP2B	X	-136.701	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.096	.5
46	MP2B	X	-136.701	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.096	5.5
49	MP2C	X	-152.894	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.046	.5
52	MP2C	X	-152.894	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.046	5.5
55	MP1B	X	-102.034	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.033	.5
58	MP1B	X	-102.034	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.033	5.5
61	MP1C	X	-105.976	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.018	.5
64	MP1C	X	-105.976	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.018	5.5
67	MP4B	X	-102.034	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	-.033	.5
70	MP4B	X	-102.034	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.033	5.5
73	MP4C	X	-105.976	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	-.018	.5
76	MP4C	X	-105.976	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	-.018	5.5
79	MP1A	X	-92.929	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	.046	.5
82	MP1A	X	-92.929	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	.046	5.5
85	MP4A	X	-92.929	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	.046	.5
88	MP4A	X	-92.929	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4A	Z	0	5.5
90	MP4A	Mx	.046	5.5
91	MP2A	X	-9.073	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-11.292	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	.004	4.5
97	MP2C	X	-12.473	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	.002	4.5
100	MP3A	X	-44.367	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	-.022	4.5
103	MP3B	X	-56.436	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	.018	4.5
106	MP3C	X	-62.858	3
107	MP3C	Z	0	3
108	MP3C	Mx	.011	3
109	MP2A	X	-36.312	1
110	MP2A	Z	0	1
111	MP2A	Mx	-.018	1
112	MP2B	X	-53.004	1
113	MP2B	Z	0	1
114	MP2B	Mx	.017	1
115	MP2C	X	-61.886	1
116	MP2C	Z	0	1
117	MP2C	Mx	.011	1
118	M101	X	-21.856	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	-21.856	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-32.929	.5
2	MP3A	Z	-19.011	.5
3	MP3A	Mx	-.018	.5
4	MP3A	X	-32.929	5.5
5	MP3A	Z	-19.011	5.5
6	MP3A	Mx	-.018	5.5
7	MP3B	X	-69.864	.5
8	MP3B	Z	-40.336	.5
9	MP3B	Mx	.007	.5
10	MP3B	X	-69.864	5.5
11	MP3B	Z	-40.336	5.5
12	MP3B	Mx	.007	5.5
13	MP3C	X	-45.756	.5
14	MP3C	Z	-26.417	.5
15	MP3C	Mx	.02	.5
16	MP3C	X	-45.756	5.5
17	MP3C	Z	-26.417	5.5
18	MP3C	Mx	.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	-96.141	.5
20	MP2A	Z	-55.507	.5
21	MP2A	Mx	.033	.5
22	MP2A	X	-96.141	5.5
23	MP2A	Z	-55.507	5.5
24	MP2A	Mx	.033	5.5
25	MP2B	X	-136.521	.5
26	MP2B	Z	-78.82	.5
27	MP2B	Mx	.064	.5
28	MP2B	X	-136.521	5.5
29	MP2B	Z	-78.82	5.5
30	MP2B	Mx	.064	5.5
31	MP2C	X	-110.165	.5
32	MP2C	Z	-63.604	.5
33	MP2C	Mx	-.09	.5
34	MP2C	X	-110.165	5.5
35	MP2C	Z	-63.604	5.5
36	MP2C	Mx	-.09	5.5
37	MP2A	X	-96.141	.5
38	MP2A	Z	-55.507	.5
39	MP2A	Mx	.071	.5
40	MP2A	X	-96.141	5.5
41	MP2A	Z	-55.507	5.5
42	MP2A	Mx	.071	5.5
43	MP2B	X	-136.521	.5
44	MP2B	Z	-78.82	.5
45	MP2B	Mx	-.091	.5
46	MP2B	X	-136.521	5.5
47	MP2B	Z	-78.82	5.5
48	MP2B	Mx	-.091	5.5
49	MP2C	X	-110.165	.5
50	MP2C	Z	-63.604	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	-110.165	5.5
53	MP2C	Z	-63.604	5.5
54	MP2C	Mx	-.008	5.5
55	MP1B	X	-92.779	.5
56	MP1B	Z	-53.566	.5
57	MP1B	Mx	-.009	.5
58	MP1B	X	-92.779	5.5
59	MP1B	Z	-53.566	5.5
60	MP1B	Mx	-.009	5.5
61	MP1C	X	-86.363	.5
62	MP1C	Z	-49.862	.5
63	MP1C	Mx	-.038	.5
64	MP1C	X	-86.363	5.5
65	MP1C	Z	-49.862	5.5
66	MP1C	Mx	-.038	5.5
67	MP4B	X	-92.779	.5
68	MP4B	Z	-53.566	.5
69	MP4B	Mx	-.009	.5
70	MP4B	X	-92.779	5.5
71	MP4B	Z	-53.566	5.5
72	MP4B	Mx	-.009	5.5
73	MP4C	X	-86.363	.5
74	MP4C	Z	-49.862	.5
75	MP4C	Mx	-.038	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP4C	X	-86.363	5.5
77	MP4C	Z	-49.862	5.5
78	MP4C	Mx	-.038	5.5
79	MP1A	X	-76.812	.5
80	MP1A	Z	-44.348	.5
81	MP1A	Mx	.042	.5
82	MP1A	X	-76.812	5.5
83	MP1A	Z	-44.348	5.5
84	MP1A	Mx	.042	5.5
85	MP4A	X	-76.812	.5
86	MP4A	Z	-44.348	.5
87	MP4A	Mx	.042	.5
88	MP4A	X	-76.812	5.5
89	MP4A	Z	-44.348	5.5
90	MP4A	Mx	.042	5.5
91	MP2A	X	-8.157	4.5
92	MP2A	Z	-4.709	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-11.101	4.5
95	MP2B	Z	-6.409	4.5
96	MP2B	Mx	.001	4.5
97	MP2C	X	-9.179	4.5
98	MP2C	Z	-5.3	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	-40.053	4.5
101	MP3A	Z	-23.125	4.5
102	MP3A	Mx	-.022	4.5
103	MP3B	X	-56.067	4.5
104	MP3B	Z	-32.37	4.5
105	MP3B	Mx	.006	4.5
106	MP3C	X	-45.614	3
107	MP3C	Z	-26.336	3
108	MP3C	Mx	.02	3
109	MP2A	X	-33.701	1
110	MP2A	Z	-19.458	1
111	MP2A	Mx	-.018	1
112	MP2B	X	-55.85	1
113	MP2B	Z	-32.245	1
114	MP2B	Mx	.006	1
115	MP2C	X	-41.394	1
116	MP2C	Z	-23.899	1
117	MP2C	Mx	.018	1
118	M101	X	-56.785	1
119	M101	Z	-32.785	1
120	M101	Mx	0	1
121	M157	X	-56.785	1
122	M157	Z	-32.785	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-30.759	.5
2	MP3A	Z	-53.277	.5
3	MP3A	Mx	-.02	.5
4	MP3A	X	-30.759	5.5
5	MP3A	Z	-53.277	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.02	5.5
7	MP3B	X	-38.165	.5
8	MP3B	Z	-66.104	.5
9	MP3B	Mx	-.013	.5
10	MP3B	X	-38.165	5.5
11	MP3B	Z	-66.104	5.5
12	MP3B	Mx	-.013	5.5
13	MP3C	X	-16.841	.5
14	MP3C	Z	-29.169	.5
15	MP3C	Mx	.017	.5
16	MP3C	X	-16.841	5.5
17	MP3C	Z	-29.169	5.5
18	MP3C	Mx	.017	5.5
19	MP2A	X	-68.35	.5
20	MP2A	Z	-118.386	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	-68.35	5.5
23	MP2A	Z	-118.386	5.5
24	MP2A	Mx	-.008	5.5
25	MP2B	X	-76.447	.5
26	MP2B	Z	-132.41	.5
27	MP2B	Mx	.098	.5
28	MP2B	X	-76.447	5.5
29	MP2B	Z	-132.41	5.5
30	MP2B	Mx	.098	5.5
31	MP2C	X	-53.134	.5
32	MP2C	Z	-92.031	.5
33	MP2C	Mx	-.062	.5
34	MP2C	X	-53.134	5.5
35	MP2C	Z	-92.031	5.5
36	MP2C	Mx	-.062	5.5
37	MP2A	X	-68.35	.5
38	MP2A	Z	-118.386	.5
39	MP2A	Mx	.096	.5
40	MP2A	X	-68.35	5.5
41	MP2A	Z	-118.386	5.5
42	MP2A	Mx	.096	5.5
43	MP2B	X	-76.447	.5
44	MP2B	Z	-132.41	.5
45	MP2B	Mx	-.046	.5
46	MP2B	X	-76.447	5.5
47	MP2B	Z	-132.41	5.5
48	MP2B	Mx	-.046	5.5
49	MP2C	X	-53.134	.5
50	MP2C	Z	-92.031	.5
51	MP2C	Mx	-.043	.5
52	MP2C	X	-53.134	5.5
53	MP2C	Z	-92.031	5.5
54	MP2C	Mx	-.043	5.5
55	MP1B	X	-52.988	.5
56	MP1B	Z	-91.778	.5
57	MP1B	Mx	.018	.5
58	MP1B	X	-52.988	5.5
59	MP1B	Z	-91.778	5.5
60	MP1B	Mx	.018	5.5
61	MP1C	X	-47.313	.5
62	MP1C	Z	-81.948	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	-.047	.5
64	MP1C	X	-47.313	5.5
65	MP1C	Z	-81.948	5.5
66	MP1C	Mx	-.047	5.5
67	MP4B	X	-52.988	.5
68	MP4B	Z	-91.778	.5
69	MP4B	Mx	.018	.5
70	MP4B	X	-52.988	5.5
71	MP4B	Z	-91.778	5.5
72	MP4B	Mx	.018	5.5
73	MP4C	X	-47.313	.5
74	MP4C	Z	-81.948	.5
75	MP4C	Mx	-.047	.5
76	MP4C	X	-47.313	5.5
77	MP4C	Z	-81.948	5.5
78	MP4C	Mx	-.047	5.5
79	MP1A	X	-32.892	.5
80	MP1A	Z	-56.971	.5
81	MP1A	Mx	.021	.5
82	MP1A	X	-32.892	5.5
83	MP1A	Z	-56.971	5.5
84	MP1A	Mx	.021	5.5
85	MP4A	X	-32.892	.5
86	MP4A	Z	-56.971	.5
87	MP4A	Mx	.021	.5
88	MP4A	X	-32.892	5.5
89	MP4A	Z	-56.971	5.5
90	MP4A	Mx	.021	5.5
91	MP2A	X	-5.646	4.5
92	MP2A	Z	-9.779	4.5
93	MP2A	Mx	-.004	4.5
94	MP2B	X	-6.236	4.5
95	MP2B	Z	-10.802	4.5
96	MP2B	Mx	-.002	4.5
97	MP2C	X	-4.536	4.5
98	MP2C	Z	-7.857	4.5
99	MP2C	Mx	.004	4.5
100	MP3A	X	-28.218	4.5
101	MP3A	Z	-48.875	4.5
102	MP3A	Mx	-.018	4.5
103	MP3B	X	-31.429	4.5
104	MP3B	Z	-54.437	4.5
105	MP3B	Mx	-.011	4.5
106	MP3C	X	-22.183	3
107	MP3C	Z	-38.423	3
108	MP3C	Mx	.022	3
109	MP2A	X	-26.502	1
110	MP2A	Z	-45.903	1
111	MP2A	Mx	-.017	1
112	MP2B	X	-30.943	1
113	MP2B	Z	-53.595	1
114	MP2B	Mx	-.011	1
115	MP2C	X	-18.156	1
116	MP2C	Z	-31.447	1
117	MP2C	Mx	.018	1
118	M101	X	-43.713	1
119	M101	Z	-75.713	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	M101	Mx	0	1
121	M157	X	-43.713	1
122	M157	Z	-75.713	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-14.564	.5
3	MP3A	Mx	-.001	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-14.564	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-9.822	.5
9	MP3B	Mx	-.004	.5
10	MP3B	X	0	5.5
11	MP3B	Z	-9.822	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-7.299	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-7.299	5.5
18	MP3C	Mx	.003	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-27.612	.5
21	MP2A	Mx	-.011	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-27.612	5.5
24	MP2A	Mx	-.011	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-22.672	.5
27	MP2B	Mx	.016	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-22.672	5.5
30	MP2B	Mx	.016	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-20.043	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-20.043	5.5
36	MP2C	Mx	-.006	5.5
37	MP2A	X	0	.5
38	MP2A	Z	-27.612	.5
39	MP2A	Mx	.016	.5
40	MP2A	X	0	5.5
41	MP2A	Z	-27.612	5.5
42	MP2A	Mx	.016	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-22.672	.5
45	MP2B	Mx	.001	.5
46	MP2B	X	0	5.5
47	MP2B	Z	-22.672	5.5
48	MP2B	Mx	.001	5.5
49	MP2C	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Z	-20.043	.5
51	MP2C	Mx	-.013	.5
52	MP2C	X	0	5.5
53	MP2C	Z	-20.043	5.5
54	MP2C	Mx	-.013	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-17.748	.5
57	MP1B	Mx	.007	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-17.748	5.5
60	MP1B	Mx	.007	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-17.102	.5
63	MP1C	Mx	-.008	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-17.102	5.5
66	MP1C	Mx	-.008	5.5
67	MP4B	X	0	.5
68	MP4B	Z	-17.748	.5
69	MP4B	Mx	.007	.5
70	MP4B	X	0	5.5
71	MP4B	Z	-17.748	5.5
72	MP4B	Mx	.007	5.5
73	MP4C	X	0	.5
74	MP4C	Z	-17.102	.5
75	MP4C	Mx	-.008	.5
76	MP4C	X	0	5.5
77	MP4C	Z	-17.102	5.5
78	MP4C	Mx	-.008	5.5
79	MP1A	X	0	.5
80	MP1A	Z	-9.063	.5
81	MP1A	Mx	.000787	.5
82	MP1A	X	0	5.5
83	MP1A	Z	-9.063	5.5
84	MP1A	Mx	.000787	5.5
85	MP4A	X	0	.5
86	MP4A	Z	-9.063	.5
87	MP4A	Mx	.000787	.5
88	MP4A	X	0	5.5
89	MP4A	Z	-9.063	5.5
90	MP4A	Mx	.000787	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	-2.995	4.5
93	MP2A	Mx	-.00026	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	-2.574	4.5
96	MP2B	Mx	-.000986	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	-2.35	4.5
99	MP2C	Mx	.001	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	-12.363	4.5
102	MP3A	Mx	-.001	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	-10.245	4.5
105	MP3B	Mx	-.004	4.5
106	MP3C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	-9.118	3
108	MP3C	Mx	.004	3
109	MP2A	X	0	1
110	MP2A	Z	-12.319	1
111	MP2A	Mx	-.001	1
112	MP2B	X	0	1
113	MP2B	Z	-9.397	1
114	MP2B	Mx	-.004	1
115	MP2C	X	0	1
116	MP2C	Z	-7.841	1
117	MP2C	Mx	.004	1
118	M101	X	0	1
119	M101	Z	-1.022	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	-1.022	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.912	.5
2	MP3A	Z	-11.972	.5
3	MP3A	Mx	.002	.5
4	MP3A	X	6.912	5.5
5	MP3A	Z	-11.972	5.5
6	MP3A	Mx	.002	5.5
7	MP3B	X	3.28	.5
8	MP3B	Z	-5.681	.5
9	MP3B	Mx	-.003	.5
10	MP3B	X	3.28	5.5
11	MP3B	Z	-5.681	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	5.651	.5
14	MP3C	Z	-9.787	.5
15	MP3C	Mx	.004	.5
16	MP3C	X	5.651	5.5
17	MP3C	Z	-9.787	5.5
18	MP3C	Mx	.004	5.5
19	MP2A	X	13.421	.5
20	MP2A	Z	-23.246	.5
21	MP2A	Mx	-.017	.5
22	MP2A	X	13.421	5.5
23	MP2A	Z	-23.246	5.5
24	MP2A	Mx	-.017	5.5
25	MP2B	X	9.636	.5
26	MP2B	Z	-16.691	.5
27	MP2B	Mx	.011	.5
28	MP2B	X	9.636	5.5
29	MP2B	Z	-16.691	5.5
30	MP2B	Mx	.011	5.5
31	MP2C	X	12.106	.5
32	MP2C	Z	-20.969	.5
33	MP2C	Mx	.001	.5
34	MP2C	X	12.106	5.5
35	MP2C	Z	-20.969	5.5
36	MP2C	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	13.421	.5
38	MP2A	Z	-23.246	.5
39	MP2A	Mx	.008	.5
40	MP2A	X	13.421	5.5
41	MP2A	Z	-23.246	5.5
42	MP2A	Mx	.008	5.5
43	MP2B	X	9.636	.5
44	MP2B	Z	-16.691	.5
45	MP2B	Mx	.008	.5
46	MP2B	X	9.636	5.5
47	MP2B	Z	-16.691	5.5
48	MP2B	Mx	.008	5.5
49	MP2C	X	12.106	.5
50	MP2C	Z	-20.969	.5
51	MP2C	Mx	-.017	.5
52	MP2C	X	12.106	5.5
53	MP2C	Z	-20.969	5.5
54	MP2C	Mx	-.017	5.5
55	MP1B	X	8.456	.5
56	MP1B	Z	-14.646	.5
57	MP1B	Mx	.008	.5
58	MP1B	X	8.456	5.5
59	MP1B	Z	-14.646	5.5
60	MP1B	Mx	.008	5.5
61	MP1C	X	9.064	.5
62	MP1C	Z	-15.699	.5
63	MP1C	Mx	-.006	.5
64	MP1C	X	9.064	5.5
65	MP1C	Z	-15.699	5.5
66	MP1C	Mx	-.006	5.5
67	MP4B	X	8.456	.5
68	MP4B	Z	-14.646	.5
69	MP4B	Mx	.008	.5
70	MP4B	X	8.456	5.5
71	MP4B	Z	-14.646	5.5
72	MP4B	Mx	.008	5.5
73	MP4C	X	9.064	.5
74	MP4C	Z	-15.699	.5
75	MP4C	Mx	-.006	.5
76	MP4C	X	9.064	5.5
77	MP4C	Z	-15.699	5.5
78	MP4C	Mx	-.006	5.5
79	MP1A	X	4.881	.5
80	MP1A	Z	-8.454	.5
81	MP1A	Mx	-.002	.5
82	MP1A	X	4.881	5.5
83	MP1A	Z	-8.454	5.5
84	MP1A	Mx	-.002	5.5
85	MP4A	X	4.881	.5
86	MP4A	Z	-8.454	.5
87	MP4A	Mx	-.002	.5
88	MP4A	X	4.881	5.5
89	MP4A	Z	-8.454	5.5
90	MP4A	Mx	-.002	5.5
91	MP2A	X	1.465	4.5
92	MP2A	Z	-2.537	4.5
93	MP2A	Mx	.000501	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP2B	X	1.142	4.5
95	MP2B	Z	-1.978	4.5
96	MP2B	Mx	-.001	4.5
97	MP2C	X	1.353	4.5
98	MP2C	Z	-2.343	4.5
99	MP2C	Mx	.000869	4.5
100	MP3A	X	6.016	4.5
101	MP3A	Z	-10.421	4.5
102	MP3A	Mx	.002	4.5
103	MP3B	X	4.394	4.5
104	MP3B	Z	-7.61	4.5
105	MP3B	Mx	-.004	4.5
106	MP3C	X	5.453	3
107	MP3C	Z	-9.445	3
108	MP3C	Mx	.004	3
109	MP2A	X	5.932	1
110	MP2A	Z	-10.274	1
111	MP2A	Mx	.002	1
112	MP2B	X	3.693	1
113	MP2B	Z	-6.396	1
114	MP2B	Mx	-.004	1
115	MP2C	X	5.154	1
116	MP2C	Z	-8.927	1
117	MP2C	Mx	.003	1
118	M101	X	.426	1
119	M101	Z	-.738	1
120	M101	Mx	0	1
121	M157	X	.426	1
122	M157	Z	-.738	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.506	.5
2	MP3A	Z	-4.911	.5
3	MP3A	Mx	.004	.5
4	MP3A	X	8.506	5.5
5	MP3A	Z	-4.911	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	6.321	.5
8	MP3B	Z	-3.65	.5
9	MP3B	Mx	-.003	.5
10	MP3B	X	6.321	5.5
11	MP3B	Z	-3.65	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	12.613	.5
14	MP3C	Z	-7.282	.5
15	MP3C	Mx	.001	.5
16	MP3C	X	12.613	5.5
17	MP3C	Z	-7.282	5.5
18	MP3C	Mx	.001	5.5
19	MP2A	X	19.634	.5
20	MP2A	Z	-11.336	.5
21	MP2A	Mx	-.016	.5
22	MP2A	X	19.634	5.5
23	MP2A	Z	-11.336	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.016	5.5
25	MP2B	X	17.358	.5
26	MP2B	Z	-10.022	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	17.358	5.5
29	MP2B	Z	-10.022	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	23.913	.5
32	MP2C	Z	-13.806	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	23.913	5.5
35	MP2C	Z	-13.806	5.5
36	MP2C	Mx	.011	5.5
37	MP2A	X	19.634	.5
38	MP2A	Z	-11.336	.5
39	MP2A	Mx	-.001	.5
40	MP2A	X	19.634	5.5
41	MP2A	Z	-11.336	5.5
42	MP2A	Mx	-.001	5.5
43	MP2B	X	17.358	.5
44	MP2B	Z	-10.022	.5
45	MP2B	Mx	.013	.5
46	MP2B	X	17.358	5.5
47	MP2B	Z	-10.022	5.5
48	MP2B	Mx	.013	5.5
49	MP2C	X	23.913	.5
50	MP2C	Z	-13.806	.5
51	MP2C	Mx	-.016	.5
52	MP2C	X	23.913	5.5
53	MP2C	Z	-13.806	5.5
54	MP2C	Mx	-.016	5.5
55	MP1B	X	14.811	.5
56	MP1B	Z	-8.551	.5
57	MP1B	Mx	.008	.5
58	MP1B	X	14.811	5.5
59	MP1B	Z	-8.551	5.5
60	MP1B	Mx	.008	5.5
61	MP1C	X	16.423	.5
62	MP1C	Z	-9.482	.5
63	MP1C	Mx	-.002	.5
64	MP1C	X	16.423	5.5
65	MP1C	Z	-9.482	5.5
66	MP1C	Mx	-.002	5.5
67	MP4B	X	14.811	.5
68	MP4B	Z	-8.551	.5
69	MP4B	Mx	.008	.5
70	MP4B	X	14.811	5.5
71	MP4B	Z	-8.551	5.5
72	MP4B	Mx	.008	5.5
73	MP4C	X	16.423	.5
74	MP4C	Z	-9.482	.5
75	MP4C	Mx	-.002	.5
76	MP4C	X	16.423	5.5
77	MP4C	Z	-9.482	5.5
78	MP4C	Mx	-.002	5.5
79	MP1A	X	11.731	.5
80	MP1A	Z	-6.773	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	-.005	.5
82	MP1A	X	11.731	5.5
83	MP1A	Z	-6.773	5.5
84	MP1A	Mx	-.005	5.5
85	MP4A	X	11.731	.5
86	MP4A	Z	-6.773	.5
87	MP4A	Mx	-.005	.5
88	MP4A	X	11.731	5.5
89	MP4A	Z	-6.773	5.5
90	MP4A	Mx	-.005	5.5
91	MP2A	X	2.229	4.5
92	MP2A	Z	-1.287	4.5
93	MP2A	Mx	.000986	4.5
94	MP2B	X	2.035	4.5
95	MP2B	Z	-1.175	4.5
96	MP2B	Mx	-.001	4.5
97	MP2C	X	2.593	4.5
98	MP2C	Z	-1.497	4.5
99	MP2C	Mx	.00026	4.5
100	MP3A	X	8.872	4.5
101	MP3A	Z	-5.122	4.5
102	MP3A	Mx	.004	4.5
103	MP3B	X	7.896	4.5
104	MP3B	Z	-4.559	4.5
105	MP3B	Mx	-.004	4.5
106	MP3C	X	10.707	3
107	MP3C	Z	-6.182	3
108	MP3C	Mx	.001	3
109	MP2A	X	8.138	1
110	MP2A	Z	-4.698	1
111	MP2A	Mx	.004	1
112	MP2B	X	6.791	1
113	MP2B	Z	-3.921	1
114	MP2B	Mx	-.004	1
115	MP2C	X	10.669	1
116	MP2C	Z	-6.16	1
117	MP2C	Mx	.001	1
118	M101	X	.665	1
119	M101	Z	-.384	1
120	M101	Mx	0	1
121	M157	X	.665	1
122	M157	Z	-.384	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.56	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	6.56	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	11.301	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.004	.5
10	MP3B	X	11.301	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	13.824	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.002	.5
16	MP3C	X	13.824	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.002	5.5
19	MP2A	X	19.273	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.011	.5
22	MP2A	X	19.273	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.011	5.5
25	MP2B	X	24.213	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.001	.5
28	MP2B	X	24.213	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.001	5.5
31	MP2C	X	26.842	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.017	.5
34	MP2C	X	26.842	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.017	5.5
37	MP2A	X	19.273	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.008	.5
40	MP2A	X	19.273	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.008	5.5
43	MP2B	X	24.213	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.017	.5
46	MP2B	X	24.213	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.017	5.5
49	MP2C	X	26.842	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	26.842	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.008	5.5
55	MP1B	X	18.128	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.006	.5
58	MP1B	X	18.128	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.006	5.5
61	MP1C	X	18.774	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	.003	.5
64	MP1C	X	18.774	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	.003	5.5
67	MP4B	X	18.128	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	Z	0	.5
69	MP4B	Mx	.006	.5
70	MP4B	X	18.128	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.006	5.5
73	MP4C	X	18.774	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	.003	.5
76	MP4C	X	18.774	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	.003	5.5
79	MP1A	X	16.63	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	-.008	.5
82	MP1A	X	16.63	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	-.008	5.5
85	MP4A	X	16.63	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	-.008	.5
88	MP4A	X	16.63	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	-.008	5.5
91	MP2A	X	2.284	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	.001	4.5
94	MP2B	X	2.705	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	-.000869	4.5
97	MP2C	X	2.929	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	-.000501	4.5
100	MP3A	X	8.788	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	.004	4.5
103	MP3B	X	10.906	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	-.004	4.5
106	MP3C	X	12.033	3
107	MP3C	Z	0	3
108	MP3C	Mx	-.002	3
109	MP2A	X	7.385	1
110	MP2A	Z	0	1
111	MP2A	Mx	.004	1
112	MP2B	X	10.308	1
113	MP2B	Z	0	1
114	MP2B	Mx	-.003	1
115	MP2C	X	11.864	1
116	MP2C	Z	0	1
117	MP2C	Mx	-.002	1
118	M101	X	.852	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	.852	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.321	.5
2	MP3A	Z	3.65	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	6.321	5.5
5	MP3A	Z	3.65	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	12.613	.5
8	MP3B	Z	7.282	.5
9	MP3B	Mx	-.001	.5
10	MP3B	X	12.613	5.5
11	MP3B	Z	7.282	5.5
12	MP3B	Mx	-.001	5.5
13	MP3C	X	8.506	.5
14	MP3C	Z	4.911	.5
15	MP3C	Mx	-.004	.5
16	MP3C	X	8.506	5.5
17	MP3C	Z	4.911	5.5
18	MP3C	Mx	-.004	5.5
19	MP2A	X	17.358	.5
20	MP2A	Z	10.022	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	17.358	5.5
23	MP2A	Z	10.022	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	23.913	.5
26	MP2B	Z	13.806	.5
27	MP2B	Mx	-.011	.5
28	MP2B	X	23.913	5.5
29	MP2B	Z	13.806	5.5
30	MP2B	Mx	-.011	5.5
31	MP2C	X	19.634	.5
32	MP2C	Z	11.336	.5
33	MP2C	Mx	.016	.5
34	MP2C	X	19.634	5.5
35	MP2C	Z	11.336	5.5
36	MP2C	Mx	.016	5.5
37	MP2A	X	17.358	.5
38	MP2A	Z	10.022	.5
39	MP2A	Mx	-.013	.5
40	MP2A	X	17.358	5.5
41	MP2A	Z	10.022	5.5
42	MP2A	Mx	-.013	5.5
43	MP2B	X	23.913	.5
44	MP2B	Z	13.806	.5
45	MP2B	Mx	.016	.5
46	MP2B	X	23.913	5.5
47	MP2B	Z	13.806	5.5
48	MP2B	Mx	.016	5.5
49	MP2C	X	19.634	.5
50	MP2C	Z	11.336	.5
51	MP2C	Mx	.001	.5
52	MP2C	X	19.634	5.5
53	MP2C	Z	11.336	5.5
54	MP2C	Mx	.001	5.5
55	MP1B	X	16.423	.5
56	MP1B	Z	9.482	.5
57	MP1B	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	16.423	5.5
59	MP1B	Z	9.482	5.5
60	MP1B	Mx	.002	5.5
61	MP1C	X	15.371	.5
62	MP1C	Z	8.874	.5
63	MP1C	Mx	.007	.5
64	MP1C	X	15.371	5.5
65	MP1C	Z	8.874	5.5
66	MP1C	Mx	.007	5.5
67	MP4B	X	16.423	.5
68	MP4B	Z	9.482	.5
69	MP4B	Mx	.002	.5
70	MP4B	X	16.423	5.5
71	MP4B	Z	9.482	5.5
72	MP4B	Mx	.002	5.5
73	MP4C	X	15.371	.5
74	MP4C	Z	8.874	.5
75	MP4C	Mx	.007	.5
76	MP4C	X	15.371	5.5
77	MP4C	Z	8.874	5.5
78	MP4C	Mx	.007	5.5
79	MP1A	X	13.797	.5
80	MP1A	Z	7.966	.5
81	MP1A	Mx	-.007	.5
82	MP1A	X	13.797	5.5
83	MP1A	Z	7.966	5.5
84	MP1A	Mx	-.007	5.5
85	MP4A	X	13.797	.5
86	MP4A	Z	7.966	.5
87	MP4A	Mx	-.007	.5
88	MP4A	X	13.797	5.5
89	MP4A	Z	7.966	5.5
90	MP4A	Mx	-.007	5.5
91	MP2A	X	2.035	4.5
92	MP2A	Z	1.175	4.5
93	MP2A	Mx	.001	4.5
94	MP2B	X	2.593	4.5
95	MP2B	Z	1.497	4.5
96	MP2B	Mx	-.00026	4.5
97	MP2C	X	2.229	4.5
98	MP2C	Z	1.287	4.5
99	MP2C	Mx	-.000986	4.5
100	MP3A	X	7.896	4.5
101	MP3A	Z	4.559	4.5
102	MP3A	Mx	.004	4.5
103	MP3B	X	10.707	4.5
104	MP3B	Z	6.182	4.5
105	MP3B	Mx	-.001	4.5
106	MP3C	X	8.872	3
107	MP3C	Z	5.122	3
108	MP3C	Mx	-.004	3
109	MP2A	X	6.791	1
110	MP2A	Z	3.921	1
111	MP2A	Mx	.004	1
112	MP2B	X	10.669	1
113	MP2B	Z	6.16	1
114	MP2B	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	8.138	1
116	MP2C	Z	4.698	1
117	MP2C	Mx	-.004	1
118	M101	X	.885	1
119	M101	Z	.511	1
120	M101	Mx	0	1
121	M157	X	.885	1
122	M157	Z	.511	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.651	.5
2	MP3A	Z	9.787	.5
3	MP3A	Mx	.004	.5
4	MP3A	X	5.651	5.5
5	MP3A	Z	9.787	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	6.912	.5
8	MP3B	Z	11.972	.5
9	MP3B	Mx	.002	.5
10	MP3B	X	6.912	5.5
11	MP3B	Z	11.972	5.5
12	MP3B	Mx	.002	5.5
13	MP3C	X	3.28	.5
14	MP3C	Z	5.681	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	3.28	5.5
17	MP3C	Z	5.681	5.5
18	MP3C	Mx	-.003	5.5
19	MP2A	X	12.106	.5
20	MP2A	Z	20.969	.5
21	MP2A	Mx	.001	.5
22	MP2A	X	12.106	5.5
23	MP2A	Z	20.969	5.5
24	MP2A	Mx	.001	5.5
25	MP2B	X	13.421	.5
26	MP2B	Z	23.246	.5
27	MP2B	Mx	-.017	.5
28	MP2B	X	13.421	5.5
29	MP2B	Z	23.246	5.5
30	MP2B	Mx	-.017	5.5
31	MP2C	X	9.636	.5
32	MP2C	Z	16.691	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	9.636	5.5
35	MP2C	Z	16.691	5.5
36	MP2C	Mx	.011	5.5
37	MP2A	X	12.106	.5
38	MP2A	Z	20.969	.5
39	MP2A	Mx	-.017	.5
40	MP2A	X	12.106	5.5
41	MP2A	Z	20.969	5.5
42	MP2A	Mx	-.017	5.5
43	MP2B	X	13.421	.5
44	MP2B	Z	23.246	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	.008	.5
46	MP2B	X	13.421	5.5
47	MP2B	Z	23.246	5.5
48	MP2B	Mx	.008	5.5
49	MP2C	X	9.636	.5
50	MP2C	Z	16.691	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	9.636	5.5
53	MP2C	Z	16.691	5.5
54	MP2C	Mx	.008	5.5
55	MP1B	X	9.387	.5
56	MP1B	Z	16.259	.5
57	MP1B	Mx	-.003	.5
58	MP1B	X	9.387	5.5
59	MP1B	Z	16.259	5.5
60	MP1B	Mx	-.003	5.5
61	MP1C	X	8.456	.5
62	MP1C	Z	14.646	.5
63	MP1C	Mx	.008	.5
64	MP1C	X	8.456	5.5
65	MP1C	Z	14.646	5.5
66	MP1C	Mx	.008	5.5
67	MP4B	X	9.387	.5
68	MP4B	Z	16.259	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	9.387	5.5
71	MP4B	Z	16.259	5.5
72	MP4B	Mx	-.003	5.5
73	MP4C	X	8.456	.5
74	MP4C	Z	14.646	.5
75	MP4C	Mx	.008	.5
76	MP4C	X	8.456	5.5
77	MP4C	Z	14.646	5.5
78	MP4C	Mx	.008	5.5
79	MP1A	X	6.074	.5
80	MP1A	Z	10.52	.5
81	MP1A	Mx	-.004	.5
82	MP1A	X	6.074	5.5
83	MP1A	Z	10.52	5.5
84	MP1A	Mx	-.004	5.5
85	MP4A	X	6.074	.5
86	MP4A	Z	10.52	.5
87	MP4A	Mx	-.004	.5
88	MP4A	X	6.074	5.5
89	MP4A	Z	10.52	5.5
90	MP4A	Mx	-.004	5.5
91	MP2A	X	1.353	4.5
92	MP2A	Z	2.343	4.5
93	MP2A	Mx	.00087	4.5
94	MP2B	X	1.465	4.5
95	MP2B	Z	2.537	4.5
96	MP2B	Mx	.000501	4.5
97	MP2C	X	1.142	4.5
98	MP2C	Z	1.978	4.5
99	MP2C	Mx	-.001	4.5
100	MP3A	X	5.453	4.5
101	MP3A	Z	9.445	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP3A	Mx	.004	4.5
103	MP3B	X	6.016	4.5
104	MP3B	Z	10.421	4.5
105	MP3B	Mx	.002	4.5
106	MP3C	X	4.394	3
107	MP3C	Z	7.61	3
108	MP3C	Mx	-.004	3
109	MP2A	X	5.154	1
110	MP2A	Z	8.927	1
111	MP2A	Mx	.003	1
112	MP2B	X	5.932	1
113	MP2B	Z	10.274	1
114	MP2B	Mx	.002	1
115	MP2C	X	3.693	1
116	MP2C	Z	6.396	1
117	MP2C	Mx	-.004	1
118	M101	X	.553	1
119	M101	Z	.958	1
120	M101	Mx	0	1
121	M157	X	.553	1
122	M157	Z	.958	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	14.564	.5
3	MP3A	Mx	.001	.5
4	MP3A	X	0	5.5
5	MP3A	Z	14.564	5.5
6	MP3A	Mx	.001	5.5
7	MP3B	X	0	.5
8	MP3B	Z	9.822	.5
9	MP3B	Mx	.004	.5
10	MP3B	X	0	5.5
11	MP3B	Z	9.822	5.5
12	MP3B	Mx	.004	5.5
13	MP3C	X	0	.5
14	MP3C	Z	7.299	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	0	5.5
17	MP3C	Z	7.299	5.5
18	MP3C	Mx	-.003	5.5
19	MP2A	X	0	.5
20	MP2A	Z	27.612	.5
21	MP2A	Mx	.011	.5
22	MP2A	X	0	5.5
23	MP2A	Z	27.612	5.5
24	MP2A	Mx	.011	5.5
25	MP2B	X	0	.5
26	MP2B	Z	22.672	.5
27	MP2B	Mx	-.016	.5
28	MP2B	X	0	5.5
29	MP2B	Z	22.672	5.5
30	MP2B	Mx	-.016	5.5
31	MP2C	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	20.043	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	0	5.5
35	MP2C	Z	20.043	5.5
36	MP2C	Mx	.006	5.5
37	MP2A	X	0	.5
38	MP2A	Z	27.612	.5
39	MP2A	Mx	-.016	.5
40	MP2A	X	0	5.5
41	MP2A	Z	27.612	5.5
42	MP2A	Mx	-.016	5.5
43	MP2B	X	0	.5
44	MP2B	Z	22.672	.5
45	MP2B	Mx	-.001	.5
46	MP2B	X	0	5.5
47	MP2B	Z	22.672	5.5
48	MP2B	Mx	-.001	5.5
49	MP2C	X	0	.5
50	MP2C	Z	20.043	.5
51	MP2C	Mx	.013	.5
52	MP2C	X	0	5.5
53	MP2C	Z	20.043	5.5
54	MP2C	Mx	.013	5.5
55	MP1B	X	0	.5
56	MP1B	Z	17.748	.5
57	MP1B	Mx	-.007	.5
58	MP1B	X	0	5.5
59	MP1B	Z	17.748	5.5
60	MP1B	Mx	-.007	5.5
61	MP1C	X	0	.5
62	MP1C	Z	17.102	.5
63	MP1C	Mx	.008	.5
64	MP1C	X	0	5.5
65	MP1C	Z	17.102	5.5
66	MP1C	Mx	.008	5.5
67	MP4B	X	0	.5
68	MP4B	Z	17.748	.5
69	MP4B	Mx	-.007	.5
70	MP4B	X	0	5.5
71	MP4B	Z	17.748	5.5
72	MP4B	Mx	-.007	5.5
73	MP4C	X	0	.5
74	MP4C	Z	17.102	.5
75	MP4C	Mx	.008	.5
76	MP4C	X	0	5.5
77	MP4C	Z	17.102	5.5
78	MP4C	Mx	.008	5.5
79	MP1A	X	0	.5
80	MP1A	Z	9.063	.5
81	MP1A	Mx	-.000787	.5
82	MP1A	X	0	5.5
83	MP1A	Z	9.063	5.5
84	MP1A	Mx	-.000787	5.5
85	MP4A	X	0	.5
86	MP4A	Z	9.063	.5
87	MP4A	Mx	-.000787	.5
88	MP4A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4A	Z	9.063	5.5
90	MP4A	Mx	-.000787	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	2.995	4.5
93	MP2A	Mx	.00026	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	2.574	4.5
96	MP2B	Mx	.000986	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	2.35	4.5
99	MP2C	Mx	-.001	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	12.363	4.5
102	MP3A	Mx	.001	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	10.245	4.5
105	MP3B	Mx	.004	4.5
106	MP3C	X	0	3
107	MP3C	Z	9.118	3
108	MP3C	Mx	-.004	3
109	MP2A	X	0	1
110	MP2A	Z	12.319	1
111	MP2A	Mx	.001	1
112	MP2B	X	0	1
113	MP2B	Z	9.397	1
114	MP2B	Mx	.004	1
115	MP2C	X	0	1
116	MP2C	Z	7.841	1
117	MP2C	Mx	-.004	1
118	M101	X	0	1
119	M101	Z	1.022	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	1.022	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.912	.5
2	MP3A	Z	11.972	.5
3	MP3A	Mx	-.002	.5
4	MP3A	X	-6.912	5.5
5	MP3A	Z	11.972	5.5
6	MP3A	Mx	-.002	5.5
7	MP3B	X	-3.28	.5
8	MP3B	Z	5.681	.5
9	MP3B	Mx	.003	.5
10	MP3B	X	-3.28	5.5
11	MP3B	Z	5.681	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	-5.651	.5
14	MP3C	Z	9.787	.5
15	MP3C	Mx	-.004	.5
16	MP3C	X	-5.651	5.5
17	MP3C	Z	9.787	5.5
18	MP3C	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	-13.421	.5
20	MP2A	Z	23.246	.5
21	MP2A	Mx	.017	.5
22	MP2A	X	-13.421	5.5
23	MP2A	Z	23.246	5.5
24	MP2A	Mx	.017	5.5
25	MP2B	X	-9.636	.5
26	MP2B	Z	16.691	.5
27	MP2B	Mx	-.011	.5
28	MP2B	X	-9.636	5.5
29	MP2B	Z	16.691	5.5
30	MP2B	Mx	-.011	5.5
31	MP2C	X	-12.106	.5
32	MP2C	Z	20.969	.5
33	MP2C	Mx	-.001	.5
34	MP2C	X	-12.106	5.5
35	MP2C	Z	20.969	5.5
36	MP2C	Mx	-.001	5.5
37	MP2A	X	-13.421	.5
38	MP2A	Z	23.246	.5
39	MP2A	Mx	-.008	.5
40	MP2A	X	-13.421	5.5
41	MP2A	Z	23.246	5.5
42	MP2A	Mx	-.008	5.5
43	MP2B	X	-9.636	.5
44	MP2B	Z	16.691	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	-9.636	5.5
47	MP2B	Z	16.691	5.5
48	MP2B	Mx	-.008	5.5
49	MP2C	X	-12.106	.5
50	MP2C	Z	20.969	.5
51	MP2C	Mx	.017	.5
52	MP2C	X	-12.106	5.5
53	MP2C	Z	20.969	5.5
54	MP2C	Mx	.017	5.5
55	MP1B	X	-8.456	.5
56	MP1B	Z	14.646	.5
57	MP1B	Mx	-.008	.5
58	MP1B	X	-8.456	5.5
59	MP1B	Z	14.646	5.5
60	MP1B	Mx	-.008	5.5
61	MP1C	X	-9.064	.5
62	MP1C	Z	15.699	.5
63	MP1C	Mx	.006	.5
64	MP1C	X	-9.064	5.5
65	MP1C	Z	15.699	5.5
66	MP1C	Mx	.006	5.5
67	MP4B	X	-8.456	.5
68	MP4B	Z	14.646	.5
69	MP4B	Mx	-.008	.5
70	MP4B	X	-8.456	5.5
71	MP4B	Z	14.646	5.5
72	MP4B	Mx	-.008	5.5
73	MP4C	X	-9.064	.5
74	MP4C	Z	15.699	.5
75	MP4C	Mx	.006	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP4C	X	-9.064	5.5
77	MP4C	Z	15.699	5.5
78	MP4C	Mx	.006	5.5
79	MP1A	X	-4.881	.5
80	MP1A	Z	8.454	.5
81	MP1A	Mx	.002	.5
82	MP1A	X	-4.881	5.5
83	MP1A	Z	8.454	5.5
84	MP1A	Mx	.002	5.5
85	MP4A	X	-4.881	.5
86	MP4A	Z	8.454	.5
87	MP4A	Mx	.002	.5
88	MP4A	X	-4.881	5.5
89	MP4A	Z	8.454	5.5
90	MP4A	Mx	.002	5.5
91	MP2A	X	-1.465	4.5
92	MP2A	Z	2.537	4.5
93	MP2A	Mx	-.000501	4.5
94	MP2B	X	-1.142	4.5
95	MP2B	Z	1.978	4.5
96	MP2B	Mx	.001	4.5
97	MP2C	X	-1.353	4.5
98	MP2C	Z	2.343	4.5
99	MP2C	Mx	-.000869	4.5
100	MP3A	X	-6.016	4.5
101	MP3A	Z	10.421	4.5
102	MP3A	Mx	-.002	4.5
103	MP3B	X	-4.394	4.5
104	MP3B	Z	7.61	4.5
105	MP3B	Mx	.004	4.5
106	MP3C	X	-5.453	3
107	MP3C	Z	9.445	3
108	MP3C	Mx	-.004	3
109	MP2A	X	-5.932	1
110	MP2A	Z	10.274	1
111	MP2A	Mx	-.002	1
112	MP2B	X	-3.693	1
113	MP2B	Z	6.396	1
114	MP2B	Mx	.004	1
115	MP2C	X	-5.154	1
116	MP2C	Z	8.927	1
117	MP2C	Mx	-.003	1
118	M101	X	-.426	1
119	M101	Z	.738	1
120	M101	Mx	0	1
121	M157	X	-.426	1
122	M157	Z	.738	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.506	.5
2	MP3A	Z	4.911	.5
3	MP3A	Mx	-.004	.5
4	MP3A	X	-8.506	5.5
5	MP3A	Z	4.911	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.004	5.5
7	MP3B	X	-6.321	.5
8	MP3B	Z	3.65	.5
9	MP3B	Mx	.003	.5
10	MP3B	X	-6.321	5.5
11	MP3B	Z	3.65	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	-12.613	.5
14	MP3C	Z	7.282	.5
15	MP3C	Mx	-.001	.5
16	MP3C	X	-12.613	5.5
17	MP3C	Z	7.282	5.5
18	MP3C	Mx	-.001	5.5
19	MP2A	X	-19.634	.5
20	MP2A	Z	11.336	.5
21	MP2A	Mx	.016	.5
22	MP2A	X	-19.634	5.5
23	MP2A	Z	11.336	5.5
24	MP2A	Mx	.016	5.5
25	MP2B	X	-17.358	.5
26	MP2B	Z	10.022	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	-17.358	5.5
29	MP2B	Z	10.022	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	-23.913	.5
32	MP2C	Z	13.806	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	-23.913	5.5
35	MP2C	Z	13.806	5.5
36	MP2C	Mx	-.011	5.5
37	MP2A	X	-19.634	.5
38	MP2A	Z	11.336	.5
39	MP2A	Mx	.001	.5
40	MP2A	X	-19.634	5.5
41	MP2A	Z	11.336	5.5
42	MP2A	Mx	.001	5.5
43	MP2B	X	-17.358	.5
44	MP2B	Z	10.022	.5
45	MP2B	Mx	-.013	.5
46	MP2B	X	-17.358	5.5
47	MP2B	Z	10.022	5.5
48	MP2B	Mx	-.013	5.5
49	MP2C	X	-23.913	.5
50	MP2C	Z	13.806	.5
51	MP2C	Mx	.016	.5
52	MP2C	X	-23.913	5.5
53	MP2C	Z	13.806	5.5
54	MP2C	Mx	.016	5.5
55	MP1B	X	-14.811	.5
56	MP1B	Z	8.551	.5
57	MP1B	Mx	-.008	.5
58	MP1B	X	-14.811	5.5
59	MP1B	Z	8.551	5.5
60	MP1B	Mx	-.008	5.5
61	MP1C	X	-16.423	.5
62	MP1C	Z	9.482	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	.002	.5
64	MP1C	X	-16.423	5.5
65	MP1C	Z	9.482	5.5
66	MP1C	Mx	.002	5.5
67	MP4B	X	-14.811	.5
68	MP4B	Z	8.551	.5
69	MP4B	Mx	-.008	.5
70	MP4B	X	-14.811	5.5
71	MP4B	Z	8.551	5.5
72	MP4B	Mx	-.008	5.5
73	MP4C	X	-16.423	.5
74	MP4C	Z	9.482	.5
75	MP4C	Mx	.002	.5
76	MP4C	X	-16.423	5.5
77	MP4C	Z	9.482	5.5
78	MP4C	Mx	.002	5.5
79	MP1A	X	-11.731	.5
80	MP1A	Z	6.773	.5
81	MP1A	Mx	.005	.5
82	MP1A	X	-11.731	5.5
83	MP1A	Z	6.773	5.5
84	MP1A	Mx	.005	5.5
85	MP4A	X	-11.731	.5
86	MP4A	Z	6.773	.5
87	MP4A	Mx	.005	.5
88	MP4A	X	-11.731	5.5
89	MP4A	Z	6.773	5.5
90	MP4A	Mx	.005	5.5
91	MP2A	X	-2.229	4.5
92	MP2A	Z	1.287	4.5
93	MP2A	Mx	-.000986	4.5
94	MP2B	X	-2.035	4.5
95	MP2B	Z	1.175	4.5
96	MP2B	Mx	.001	4.5
97	MP2C	X	-2.593	4.5
98	MP2C	Z	1.497	4.5
99	MP2C	Mx	-.00026	4.5
100	MP3A	X	-8.872	4.5
101	MP3A	Z	5.122	4.5
102	MP3A	Mx	-.004	4.5
103	MP3B	X	-7.896	4.5
104	MP3B	Z	4.559	4.5
105	MP3B	Mx	.004	4.5
106	MP3C	X	-10.707	3
107	MP3C	Z	6.182	3
108	MP3C	Mx	-.001	3
109	MP2A	X	-8.138	1
110	MP2A	Z	4.698	1
111	MP2A	Mx	-.004	1
112	MP2B	X	-6.791	1
113	MP2B	Z	3.921	1
114	MP2B	Mx	.004	1
115	MP2C	X	-10.669	1
116	MP2C	Z	6.16	1
117	MP2C	Mx	-.001	1
118	M101	X	-.665	1
119	M101	Z	.384	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	M101	Mx	0	1
121	M157	X	-.665	1
122	M157	Z	.384	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.56	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	-6.56	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	-11.301	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.004	.5
10	MP3B	X	-11.301	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.004	5.5
13	MP3C	X	-13.824	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.002	.5
16	MP3C	X	-13.824	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.002	5.5
19	MP2A	X	-19.273	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.011	.5
22	MP2A	X	-19.273	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.011	5.5
25	MP2B	X	-24.213	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.001	.5
28	MP2B	X	-24.213	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.001	5.5
31	MP2C	X	-26.842	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.017	.5
34	MP2C	X	-26.842	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.017	5.5
37	MP2A	X	-19.273	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.008	.5
40	MP2A	X	-19.273	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.008	5.5
43	MP2B	X	-24.213	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.017	.5
46	MP2B	X	-24.213	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.017	5.5
49	MP2C	X	-26.842	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Z	0	.5
51	MP2C	Mx	.008	.5
52	MP2C	X	-26.842	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.008	5.5
55	MP1B	X	-18.128	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.006	.5
58	MP1B	X	-18.128	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.006	5.5
61	MP1C	X	-18.774	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.003	.5
64	MP1C	X	-18.774	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.003	5.5
67	MP4B	X	-18.128	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	-.006	.5
70	MP4B	X	-18.128	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.006	5.5
73	MP4C	X	-18.774	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	-.003	.5
76	MP4C	X	-18.774	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	-.003	5.5
79	MP1A	X	-16.63	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	.008	.5
82	MP1A	X	-16.63	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	.008	5.5
85	MP4A	X	-16.63	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	.008	.5
88	MP4A	X	-16.63	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	.008	5.5
91	MP2A	X	-2.284	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	-.001	4.5
94	MP2B	X	-2.705	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	.000869	4.5
97	MP2C	X	-2.929	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	.000501	4.5
100	MP3A	X	-8.788	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	-.004	4.5
103	MP3B	X	-10.906	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	.004	4.5
106	MP3C	X	-12.033	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	0	3
108	MP3C	Mx	.002	3
109	MP2A	X	-7.385	1
110	MP2A	Z	0	1
111	MP2A	Mx	-.004	1
112	MP2B	X	-10.308	1
113	MP2B	Z	0	1
114	MP2B	Mx	.003	1
115	MP2C	X	-11.864	1
116	MP2C	Z	0	1
117	MP2C	Mx	.002	1
118	M101	X	-.852	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	-.852	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.321	.5
2	MP3A	Z	-3.65	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	-6.321	5.5
5	MP3A	Z	-3.65	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	-12.613	.5
8	MP3B	Z	-7.282	.5
9	MP3B	Mx	.001	.5
10	MP3B	X	-12.613	5.5
11	MP3B	Z	-7.282	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	-8.506	.5
14	MP3C	Z	-4.911	.5
15	MP3C	Mx	.004	.5
16	MP3C	X	-8.506	5.5
17	MP3C	Z	-4.911	5.5
18	MP3C	Mx	.004	5.5
19	MP2A	X	-17.358	.5
20	MP2A	Z	-10.022	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	-17.358	5.5
23	MP2A	Z	-10.022	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	-23.913	.5
26	MP2B	Z	-13.806	.5
27	MP2B	Mx	.011	.5
28	MP2B	X	-23.913	5.5
29	MP2B	Z	-13.806	5.5
30	MP2B	Mx	.011	5.5
31	MP2C	X	-19.634	.5
32	MP2C	Z	-11.336	.5
33	MP2C	Mx	-.016	.5
34	MP2C	X	-19.634	5.5
35	MP2C	Z	-11.336	5.5
36	MP2C	Mx	-.016	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	-17.358	.5
38	MP2A	Z	-10.022	.5
39	MP2A	Mx	.013	.5
40	MP2A	X	-17.358	5.5
41	MP2A	Z	-10.022	5.5
42	MP2A	Mx	.013	5.5
43	MP2B	X	-23.913	.5
44	MP2B	Z	-13.806	.5
45	MP2B	Mx	-.016	.5
46	MP2B	X	-23.913	5.5
47	MP2B	Z	-13.806	5.5
48	MP2B	Mx	-.016	5.5
49	MP2C	X	-19.634	.5
50	MP2C	Z	-11.336	.5
51	MP2C	Mx	-.001	.5
52	MP2C	X	-19.634	5.5
53	MP2C	Z	-11.336	5.5
54	MP2C	Mx	-.001	5.5
55	MP1B	X	-16.423	.5
56	MP1B	Z	-9.482	.5
57	MP1B	Mx	-.002	.5
58	MP1B	X	-16.423	5.5
59	MP1B	Z	-9.482	5.5
60	MP1B	Mx	-.002	5.5
61	MP1C	X	-15.371	.5
62	MP1C	Z	-8.874	.5
63	MP1C	Mx	-.007	.5
64	MP1C	X	-15.371	5.5
65	MP1C	Z	-8.874	5.5
66	MP1C	Mx	-.007	5.5
67	MP4B	X	-16.423	.5
68	MP4B	Z	-9.482	.5
69	MP4B	Mx	-.002	.5
70	MP4B	X	-16.423	5.5
71	MP4B	Z	-9.482	5.5
72	MP4B	Mx	-.002	5.5
73	MP4C	X	-15.371	.5
74	MP4C	Z	-8.874	.5
75	MP4C	Mx	-.007	.5
76	MP4C	X	-15.371	5.5
77	MP4C	Z	-8.874	5.5
78	MP4C	Mx	-.007	5.5
79	MP1A	X	-13.797	.5
80	MP1A	Z	-7.966	.5
81	MP1A	Mx	.007	.5
82	MP1A	X	-13.797	5.5
83	MP1A	Z	-7.966	5.5
84	MP1A	Mx	.007	5.5
85	MP4A	X	-13.797	.5
86	MP4A	Z	-7.966	.5
87	MP4A	Mx	.007	.5
88	MP4A	X	-13.797	5.5
89	MP4A	Z	-7.966	5.5
90	MP4A	Mx	.007	5.5
91	MP2A	X	-2.035	4.5
92	MP2A	Z	-1.175	4.5
93	MP2A	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP2B	X	-2.593	4.5
95	MP2B	Z	-1.497	4.5
96	MP2B	Mx	.00026	4.5
97	MP2C	X	-2.229	4.5
98	MP2C	Z	-1.287	4.5
99	MP2C	Mx	.000986	4.5
100	MP3A	X	-7.896	4.5
101	MP3A	Z	-4.559	4.5
102	MP3A	Mx	-.004	4.5
103	MP3B	X	-10.707	4.5
104	MP3B	Z	-6.182	4.5
105	MP3B	Mx	.001	4.5
106	MP3C	X	-8.872	3
107	MP3C	Z	-5.122	3
108	MP3C	Mx	.004	3
109	MP2A	X	-6.791	1
110	MP2A	Z	-3.921	1
111	MP2A	Mx	-.004	1
112	MP2B	X	-10.669	1
113	MP2B	Z	-6.16	1
114	MP2B	Mx	.001	1
115	MP2C	X	-8.138	1
116	MP2C	Z	-4.698	1
117	MP2C	Mx	.004	1
118	M101	X	-.885	1
119	M101	Z	-.511	1
120	M101	Mx	0	1
121	M157	X	-.885	1
122	M157	Z	-.511	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.651	.5
2	MP3A	Z	-9.787	.5
3	MP3A	Mx	-.004	.5
4	MP3A	X	-5.651	5.5
5	MP3A	Z	-9.787	5.5
6	MP3A	Mx	-.004	5.5
7	MP3B	X	-6.912	.5
8	MP3B	Z	-11.972	.5
9	MP3B	Mx	-.002	.5
10	MP3B	X	-6.912	5.5
11	MP3B	Z	-11.972	5.5
12	MP3B	Mx	-.002	5.5
13	MP3C	X	-3.28	.5
14	MP3C	Z	-5.681	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	-3.28	5.5
17	MP3C	Z	-5.681	5.5
18	MP3C	Mx	.003	5.5
19	MP2A	X	-12.106	.5
20	MP2A	Z	-20.969	.5
21	MP2A	Mx	-.001	.5
22	MP2A	X	-12.106	5.5
23	MP2A	Z	-20.969	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.001	5.5
25	MP2B	X	-13.421	.5
26	MP2B	Z	-23.246	.5
27	MP2B	Mx	.017	.5
28	MP2B	X	-13.421	5.5
29	MP2B	Z	-23.246	5.5
30	MP2B	Mx	.017	5.5
31	MP2C	X	-9.636	.5
32	MP2C	Z	-16.691	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	-9.636	5.5
35	MP2C	Z	-16.691	5.5
36	MP2C	Mx	-.011	5.5
37	MP2A	X	-12.106	.5
38	MP2A	Z	-20.969	.5
39	MP2A	Mx	.017	.5
40	MP2A	X	-12.106	5.5
41	MP2A	Z	-20.969	5.5
42	MP2A	Mx	.017	5.5
43	MP2B	X	-13.421	.5
44	MP2B	Z	-23.246	.5
45	MP2B	Mx	-.008	.5
46	MP2B	X	-13.421	5.5
47	MP2B	Z	-23.246	5.5
48	MP2B	Mx	-.008	5.5
49	MP2C	X	-9.636	.5
50	MP2C	Z	-16.691	.5
51	MP2C	Mx	-.008	.5
52	MP2C	X	-9.636	5.5
53	MP2C	Z	-16.691	5.5
54	MP2C	Mx	-.008	5.5
55	MP1B	X	-9.387	.5
56	MP1B	Z	-16.259	.5
57	MP1B	Mx	.003	.5
58	MP1B	X	-9.387	5.5
59	MP1B	Z	-16.259	5.5
60	MP1B	Mx	.003	5.5
61	MP1C	X	-8.456	.5
62	MP1C	Z	-14.646	.5
63	MP1C	Mx	-.008	.5
64	MP1C	X	-8.456	5.5
65	MP1C	Z	-14.646	5.5
66	MP1C	Mx	-.008	5.5
67	MP4B	X	-9.387	.5
68	MP4B	Z	-16.259	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	-9.387	5.5
71	MP4B	Z	-16.259	5.5
72	MP4B	Mx	.003	5.5
73	MP4C	X	-8.456	.5
74	MP4C	Z	-14.646	.5
75	MP4C	Mx	-.008	.5
76	MP4C	X	-8.456	5.5
77	MP4C	Z	-14.646	5.5
78	MP4C	Mx	-.008	5.5
79	MP1A	X	-6.074	.5
80	MP1A	Z	-10.52	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	.004	.5
82	MP1A	X	-6.074	5.5
83	MP1A	Z	-10.52	5.5
84	MP1A	Mx	.004	5.5
85	MP4A	X	-6.074	.5
86	MP4A	Z	-10.52	.5
87	MP4A	Mx	.004	.5
88	MP4A	X	-6.074	5.5
89	MP4A	Z	-10.52	5.5
90	MP4A	Mx	.004	5.5
91	MP2A	X	-1.353	4.5
92	MP2A	Z	-2.343	4.5
93	MP2A	Mx	-.00087	4.5
94	MP2B	X	-1.465	4.5
95	MP2B	Z	-2.537	4.5
96	MP2B	Mx	-.000501	4.5
97	MP2C	X	-1.142	4.5
98	MP2C	Z	-1.978	4.5
99	MP2C	Mx	.001	4.5
100	MP3A	X	-5.453	4.5
101	MP3A	Z	-9.445	4.5
102	MP3A	Mx	-.004	4.5
103	MP3B	X	-6.016	4.5
104	MP3B	Z	-10.421	4.5
105	MP3B	Mx	-.002	4.5
106	MP3C	X	-4.394	3
107	MP3C	Z	-7.61	3
108	MP3C	Mx	.004	3
109	MP2A	X	-5.154	1
110	MP2A	Z	-8.927	1
111	MP2A	Mx	-.003	1
112	MP2B	X	-5.932	1
113	MP2B	Z	-10.274	1
114	MP2B	Mx	-.002	1
115	MP2C	X	-3.693	1
116	MP2C	Z	-6.396	1
117	MP2C	Mx	.004	1
118	M101	X	-.553	1
119	M101	Z	-.958	1
120	M101	Mx	0	1
121	M157	X	-.553	1
122	M157	Z	-.958	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-4.647	.5
3	MP3A	Mx	-.000403	.5
4	MP3A	X	0	5.5
5	MP3A	Z	-4.647	5.5
6	MP3A	Mx	-.000403	5.5
7	MP3B	X	0	.5
8	MP3B	Z	-3.043	.5
9	MP3B	Mx	-.001	.5
10	MP3B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	-3.043	5.5
12	MP3B	Mx	-.001	5.5
13	MP3C	X	0	.5
14	MP3C	Z	-2.19	.5
15	MP3C	Mx	.001	.5
16	MP3C	X	0	5.5
17	MP3C	Z	-2.19	5.5
18	MP3C	Mx	.001	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-9.08	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-9.08	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-7.327	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-7.327	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-6.394	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-6.394	5.5
36	MP2C	Mx	-.002	5.5
37	MP2A	X	0	.5
38	MP2A	Z	-9.08	.5
39	MP2A	Mx	.005	.5
40	MP2A	X	0	5.5
41	MP2A	Z	-9.08	5.5
42	MP2A	Mx	.005	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-7.327	.5
45	MP2B	Mx	.000452	.5
46	MP2B	X	0	5.5
47	MP2B	Z	-7.327	5.5
48	MP2B	Mx	.000452	5.5
49	MP2C	X	0	.5
50	MP2C	Z	-6.394	.5
51	MP2C	Mx	-.004	.5
52	MP2C	X	0	5.5
53	MP2C	Z	-6.394	5.5
54	MP2C	Mx	-.004	5.5
55	MP1B	X	0	.5
56	MP1B	Z	-5.744	.5
57	MP1B	Mx	.002	.5
58	MP1B	X	0	5.5
59	MP1B	Z	-5.744	5.5
60	MP1B	Mx	.002	5.5
61	MP1C	X	0	.5
62	MP1C	Z	-5.517	.5
63	MP1C	Mx	-.003	.5
64	MP1C	X	0	5.5
65	MP1C	Z	-5.517	5.5
66	MP1C	Mx	-.003	5.5
67	MP4B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	Z	-5.744	.5
69	MP4B	Mx	.002	.5
70	MP4B	X	0	5.5
71	MP4B	Z	-5.744	5.5
72	MP4B	Mx	.002	5.5
73	MP4C	X	0	.5
74	MP4C	Z	-5.517	.5
75	MP4C	Mx	-.003	.5
76	MP4C	X	0	5.5
77	MP4C	Z	-5.517	5.5
78	MP4C	Mx	-.003	5.5
79	MP1A	X	0	.5
80	MP1A	Z	-2.713	.5
81	MP1A	Mx	.000236	.5
82	MP1A	X	0	5.5
83	MP1A	Z	-2.713	5.5
84	MP1A	Mx	.000236	5.5
85	MP4A	X	0	.5
86	MP4A	Z	-2.713	.5
87	MP4A	Mx	.000236	.5
88	MP4A	X	0	5.5
89	MP4A	Z	-2.713	5.5
90	MP4A	Mx	.000236	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	-.738	4.5
93	MP2A	Mx	-6.4e-5	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	-.611	4.5
96	MP2B	Mx	-.000234	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	-.543	4.5
99	MP2C	Mx	.000255	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	-3.729	4.5
102	MP3A	Mx	-.000324	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	-3.034	4.5
105	MP3B	Mx	-.001	4.5
106	MP3C	X	0	3
107	MP3C	Z	-2.664	3
108	MP3C	Mx	.001	3
109	MP2A	X	0	1
110	MP2A	Z	-3.715	1
111	MP2A	Mx	-.000323	1
112	MP2B	X	0	1
113	MP2B	Z	-2.753	1
114	MP2B	Mx	-.001	1
115	MP2C	X	0	1
116	MP2C	Z	-2.242	1
117	MP2C	Mx	.001	1
118	M101	X	0	1
119	M101	Z	-3.777	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	-3.777	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.198	.5
2	MP3A	Z	-3.808	.5
3	MP3A	Mx	.000752	.5
4	MP3A	X	2.198	5.5
5	MP3A	Z	-3.808	5.5
6	MP3A	Mx	.000752	5.5
7	MP3B	X	.97	.5
8	MP3B	Z	-1.68	.5
9	MP3B	Mx	-.000955	.5
10	MP3B	X	.97	5.5
11	MP3B	Z	-1.68	5.5
12	MP3B	Mx	-.000955	5.5
13	MP3C	X	1.772	.5
14	MP3C	Z	-3.069	.5
15	MP3C	Mx	.001	.5
16	MP3C	X	1.772	5.5
17	MP3C	Z	-3.069	5.5
18	MP3C	Mx	.001	5.5
19	MP2A	X	4.403	.5
20	MP2A	Z	-7.627	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	4.403	5.5
23	MP2A	Z	-7.627	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	3.061	.5
26	MP2B	Z	-5.301	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	3.061	5.5
29	MP2B	Z	-5.301	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	3.937	.5
32	MP2C	Z	-6.819	.5
33	MP2C	Mx	.000485	.5
34	MP2C	X	3.937	5.5
35	MP2C	Z	-6.819	5.5
36	MP2C	Mx	.000485	5.5
37	MP2A	X	4.403	.5
38	MP2A	Z	-7.627	.5
39	MP2A	Mx	.003	.5
40	MP2A	X	4.403	5.5
41	MP2A	Z	-7.627	5.5
42	MP2A	Mx	.003	5.5
43	MP2B	X	3.061	.5
44	MP2B	Z	-5.301	.5
45	MP2B	Mx	.002	.5
46	MP2B	X	3.061	5.5
47	MP2B	Z	-5.301	5.5
48	MP2B	Mx	.002	5.5
49	MP2C	X	3.937	.5
50	MP2C	Z	-6.819	.5
51	MP2C	Mx	-.006	.5
52	MP2C	X	3.937	5.5
53	MP2C	Z	-6.819	5.5
54	MP2C	Mx	-.006	5.5
55	MP1B	X	2.725	.5
56	MP1B	Z	-4.72	.5
57	MP1B	Mx	.003	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	2.725	5.5
59	MP1B	Z	-4.72	5.5
60	MP1B	Mx	.003	5.5
61	MP1C	X	2.939	.5
62	MP1C	Z	-5.09	.5
63	MP1C	Mx	-.002	.5
64	MP1C	X	2.939	5.5
65	MP1C	Z	-5.09	5.5
66	MP1C	Mx	-.002	5.5
67	MP4B	X	2.725	.5
68	MP4B	Z	-4.72	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	2.725	5.5
71	MP4B	Z	-4.72	5.5
72	MP4B	Mx	.003	5.5
73	MP4C	X	2.939	.5
74	MP4C	Z	-5.09	.5
75	MP4C	Mx	-.002	.5
76	MP4C	X	2.939	5.5
77	MP4C	Z	-5.09	5.5
78	MP4C	Mx	-.002	5.5
79	MP1A	X	1.479	.5
80	MP1A	Z	-2.561	.5
81	MP1A	Mx	-.000506	.5
82	MP1A	X	1.479	5.5
83	MP1A	Z	-2.561	5.5
84	MP1A	Mx	-.000506	5.5
85	MP4A	X	1.479	.5
86	MP4A	Z	-2.561	.5
87	MP4A	Mx	-.000506	.5
88	MP4A	X	1.479	5.5
89	MP4A	Z	-2.561	5.5
90	MP4A	Mx	-.000506	5.5
91	MP2A	X	.359	4.5
92	MP2A	Z	-.622	4.5
93	MP2A	Mx	.000123	4.5
94	MP2B	X	.261	4.5
95	MP2B	Z	-.453	4.5
96	MP2B	Mx	-.000257	4.5
97	MP2C	X	.325	4.5
98	MP2C	Z	-.563	4.5
99	MP2C	Mx	.000209	4.5
100	MP3A	X	1.81	4.5
101	MP3A	Z	-3.136	4.5
102	MP3A	Mx	.000619	4.5
103	MP3B	X	1.278	4.5
104	MP3B	Z	-2.213	4.5
105	MP3B	Mx	-.001	4.5
106	MP3C	X	1.625	3
107	MP3C	Z	-2.815	3
108	MP3C	Mx	.001	3
109	MP2A	X	1.782	1
110	MP2A	Z	-3.087	1
111	MP2A	Mx	.000609	1
112	MP2B	X	1.046	1
113	MP2B	Z	-1.811	1
114	MP2B	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	1.527	1
116	MP2C	Z	-2.644	1
117	MP2C	Mx	.000981	1
118	M101	X	.629	1
119	M101	Z	-1.09	1
120	M101	Mx	0	1
121	M157	X	.629	1
122	M157	Z	-1.09	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.636	.5
2	MP3A	Z	-1.522	.5
3	MP3A	Mx	.001	.5
4	MP3A	X	2.636	5.5
5	MP3A	Z	-1.522	5.5
6	MP3A	Mx	.001	5.5
7	MP3B	X	1.897	.5
8	MP3B	Z	-1.095	.5
9	MP3B	Mx	-.001	.5
10	MP3B	X	1.897	5.5
11	MP3B	Z	-1.095	5.5
12	MP3B	Mx	-.001	5.5
13	MP3C	X	4.024	.5
14	MP3C	Z	-2.323	.5
15	MP3C	Mx	.000403	.5
16	MP3C	X	4.024	5.5
17	MP3C	Z	-2.323	5.5
18	MP3C	Mx	.000403	5.5
19	MP2A	X	6.346	.5
20	MP2A	Z	-3.664	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	6.346	5.5
23	MP2A	Z	-3.664	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	5.538	.5
26	MP2B	Z	-3.197	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	5.538	5.5
29	MP2B	Z	-3.197	5.5
30	MP2B	Mx	.002	5.5
31	MP2C	X	7.864	.5
32	MP2C	Z	-4.54	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	7.864	5.5
35	MP2C	Z	-4.54	5.5
36	MP2C	Mx	.004	5.5
37	MP2A	X	6.346	.5
38	MP2A	Z	-3.664	.5
39	MP2A	Mx	-.000452	.5
40	MP2A	X	6.346	5.5
41	MP2A	Z	-3.664	5.5
42	MP2A	Mx	-.000452	5.5
43	MP2B	X	5.538	.5
44	MP2B	Z	-3.197	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	.004	.5
46	MP2B	X	5.538	5.5
47	MP2B	Z	-3.197	5.5
48	MP2B	Mx	.004	5.5
49	MP2C	X	7.864	.5
50	MP2C	Z	-4.54	.5
51	MP2C	Mx	-.005	.5
52	MP2C	X	7.864	5.5
53	MP2C	Z	-4.54	5.5
54	MP2C	Mx	-.005	5.5
55	MP1B	X	4.778	.5
56	MP1B	Z	-2.758	.5
57	MP1B	Mx	.003	.5
58	MP1B	X	4.778	5.5
59	MP1B	Z	-2.758	5.5
60	MP1B	Mx	.003	5.5
61	MP1C	X	5.344	.5
62	MP1C	Z	-3.085	.5
63	MP1C	Mx	-.000536	.5
64	MP1C	X	5.344	5.5
65	MP1C	Z	-3.085	5.5
66	MP1C	Mx	-.000536	5.5
67	MP4B	X	4.778	.5
68	MP4B	Z	-2.758	.5
69	MP4B	Mx	.003	.5
70	MP4B	X	4.778	5.5
71	MP4B	Z	-2.758	5.5
72	MP4B	Mx	.003	5.5
73	MP4C	X	5.344	.5
74	MP4C	Z	-3.085	.5
75	MP4C	Mx	-.000536	.5
76	MP4C	X	5.344	5.5
77	MP4C	Z	-3.085	5.5
78	MP4C	Mx	-.000536	5.5
79	MP1A	X	3.704	.5
80	MP1A	Z	-2.138	.5
81	MP1A	Mx	-.002	.5
82	MP1A	X	3.704	5.5
83	MP1A	Z	-2.138	5.5
84	MP1A	Mx	-.002	5.5
85	MP4A	X	3.704	.5
86	MP4A	Z	-2.138	.5
87	MP4A	Mx	-.002	.5
88	MP4A	X	3.704	5.5
89	MP4A	Z	-2.138	5.5
90	MP4A	Mx	-.002	5.5
91	MP2A	X	.529	4.5
92	MP2A	Z	-.305	4.5
93	MP2A	Mx	.000234	4.5
94	MP2B	X	.47	4.5
95	MP2B	Z	-.271	4.5
96	MP2B	Mx	-.000255	4.5
97	MP2C	X	.639	4.5
98	MP2C	Z	-.369	4.5
99	MP2C	Mx	6.4e-5	4.5
100	MP3A	X	2.627	4.5
101	MP3A	Z	-1.517	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP3A	Mx	.001	4.5
103	MP3B	X	2.307	4.5
104	MP3B	Z	-1.332	4.5
105	MP3B	Mx	-.001	4.5
106	MP3C	X	3.229	3
107	MP3C	Z	-1.865	3
108	MP3C	Mx	.000324	3
109	MP2A	X	2.384	1
110	MP2A	Z	-1.377	1
111	MP2A	Mx	.001	1
112	MP2B	X	1.941	1
113	MP2B	Z	-1.121	1
114	MP2B	Mx	-.001	1
115	MP2C	X	3.217	1
116	MP2C	Z	-1.857	1
117	MP2C	Mx	.000322	1
118	M101	X	0	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.94	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.000955	.5
4	MP3A	X	1.94	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.000955	5.5
7	MP3B	X	3.543	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.001	.5
10	MP3B	X	3.543	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.001	5.5
13	MP3C	X	4.397	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.000752	.5
16	MP3C	X	4.397	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.000752	5.5
19	MP2A	X	6.121	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	6.121	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	7.874	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.000485	.5
28	MP2B	X	7.874	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.000485	5.5
31	MP2C	X	8.807	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	0	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	8.807	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.006	5.5
37	MP2A	X	6.121	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	-.002	.5
40	MP2A	X	6.121	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.002	5.5
43	MP2B	X	7.874	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.006	.5
46	MP2B	X	7.874	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.006	5.5
49	MP2C	X	8.807	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	-.003	.5
52	MP2C	X	8.807	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.003	5.5
55	MP1B	X	5.877	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	.002	.5
58	MP1B	X	5.877	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	.002	5.5
61	MP1C	X	6.104	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	.001	.5
64	MP1C	X	6.104	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	.001	5.5
67	MP4B	X	5.877	.5
68	MP4B	Z	0	.5
69	MP4B	Mx	.002	.5
70	MP4B	X	5.877	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.002	5.5
73	MP4C	X	6.104	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	.001	.5
76	MP4C	X	6.104	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	.001	5.5
79	MP1A	X	5.353	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	-.003	.5
82	MP1A	X	5.353	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	-.003	5.5
85	MP4A	X	5.353	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	-.003	.5
88	MP4A	X	5.353	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4A	Z	0	5.5
90	MP4A	Mx	-.003	5.5
91	MP2A	X	.523	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	.000258	4.5
94	MP2B	X	.65	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	-.000209	4.5
97	MP2C	X	.718	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	-.000123	4.5
100	MP3A	X	2.556	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	.001	4.5
103	MP3B	X	3.251	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	-.001	4.5
106	MP3C	X	3.621	3
107	MP3C	Z	0	3
108	MP3C	Mx	-.000619	3
109	MP2A	X	2.092	1
110	MP2A	Z	0	1
111	MP2A	Mx	.001	1
112	MP2B	X	3.053	1
113	MP2B	Z	0	1
114	MP2B	Mx	-.000981	1
115	MP2C	X	3.565	1
116	MP2C	Z	0	1
117	MP2C	Mx	-.00061	1
118	M101	X	1.259	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	1.259	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.897	.5
2	MP3A	Z	1.095	.5
3	MP3A	Mx	.001	.5
4	MP3A	X	1.897	5.5
5	MP3A	Z	1.095	5.5
6	MP3A	Mx	.001	5.5
7	MP3B	X	4.024	.5
8	MP3B	Z	2.323	.5
9	MP3B	Mx	-.000404	.5
10	MP3B	X	4.024	5.5
11	MP3B	Z	2.323	5.5
12	MP3B	Mx	-.000404	5.5
13	MP3C	X	2.636	.5
14	MP3C	Z	1.522	.5
15	MP3C	Mx	-.001	.5
16	MP3C	X	2.636	5.5
17	MP3C	Z	1.522	5.5
18	MP3C	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	5.538	.5
20	MP2A	Z	3.197	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	5.538	5.5
23	MP2A	Z	3.197	5.5
24	MP2A	Mx	-.002	5.5
25	MP2B	X	7.864	.5
26	MP2B	Z	4.54	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	7.864	5.5
29	MP2B	Z	4.54	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	6.346	.5
32	MP2C	Z	3.664	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	6.346	5.5
35	MP2C	Z	3.664	5.5
36	MP2C	Mx	.005	5.5
37	MP2A	X	5.538	.5
38	MP2A	Z	3.197	.5
39	MP2A	Mx	-.004	.5
40	MP2A	X	5.538	5.5
41	MP2A	Z	3.197	5.5
42	MP2A	Mx	-.004	5.5
43	MP2B	X	7.864	.5
44	MP2B	Z	4.54	.5
45	MP2B	Mx	.005	.5
46	MP2B	X	7.864	5.5
47	MP2B	Z	4.54	5.5
48	MP2B	Mx	.005	5.5
49	MP2C	X	6.346	.5
50	MP2C	Z	3.664	.5
51	MP2C	Mx	.000452	.5
52	MP2C	X	6.346	5.5
53	MP2C	Z	3.664	5.5
54	MP2C	Mx	.000452	5.5
55	MP1B	X	5.344	.5
56	MP1B	Z	3.085	.5
57	MP1B	Mx	.000536	.5
58	MP1B	X	5.344	5.5
59	MP1B	Z	3.085	5.5
60	MP1B	Mx	.000536	5.5
61	MP1C	X	4.974	.5
62	MP1C	Z	2.872	.5
63	MP1C	Mx	.002	.5
64	MP1C	X	4.974	5.5
65	MP1C	Z	2.872	5.5
66	MP1C	Mx	.002	5.5
67	MP4B	X	5.344	.5
68	MP4B	Z	3.085	.5
69	MP4B	Mx	.000536	.5
70	MP4B	X	5.344	5.5
71	MP4B	Z	3.085	5.5
72	MP4B	Mx	.000536	5.5
73	MP4C	X	4.974	.5
74	MP4C	Z	2.872	.5
75	MP4C	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP4C	X	4.974	5.5
77	MP4C	Z	2.872	5.5
78	MP4C	Mx	.002	5.5
79	MP1A	X	4.424	.5
80	MP1A	Z	2.554	.5
81	MP1A	Mx	-.002	.5
82	MP1A	X	4.424	5.5
83	MP1A	Z	2.554	5.5
84	MP1A	Mx	-.002	5.5
85	MP4A	X	4.424	.5
86	MP4A	Z	2.554	.5
87	MP4A	Mx	-.002	.5
88	MP4A	X	4.424	5.5
89	MP4A	Z	2.554	5.5
90	MP4A	Mx	-.002	5.5
91	MP2A	X	.47	4.5
92	MP2A	Z	.271	4.5
93	MP2A	Mx	.000255	4.5
94	MP2B	X	.639	4.5
95	MP2B	Z	.369	4.5
96	MP2B	Mx	-6.4e-5	4.5
97	MP2C	X	.529	4.5
98	MP2C	Z	.305	4.5
99	MP2C	Mx	-.000234	4.5
100	MP3A	X	2.307	4.5
101	MP3A	Z	1.332	4.5
102	MP3A	Mx	.001	4.5
103	MP3B	X	3.229	4.5
104	MP3B	Z	1.865	4.5
105	MP3B	Mx	-.000323	4.5
106	MP3C	X	2.627	3
107	MP3C	Z	1.517	3
108	MP3C	Mx	-.001	3
109	MP2A	X	1.941	1
110	MP2A	Z	1.121	1
111	MP2A	Mx	.001	1
112	MP2B	X	3.217	1
113	MP2B	Z	1.857	1
114	MP2B	Mx	-.000323	1
115	MP2C	X	2.384	1
116	MP2C	Z	1.377	1
117	MP2C	Mx	-.001	1
118	M101	X	3.271	1
119	M101	Z	1.888	1
120	M101	Mx	0	1
121	M157	X	3.271	1
122	M157	Z	1.888	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.772	.5
2	MP3A	Z	3.069	.5
3	MP3A	Mx	.001	.5
4	MP3A	X	1.772	5.5
5	MP3A	Z	3.069	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	.001	5.5
7	MP3B	X	2.198	.5
8	MP3B	Z	3.808	.5
9	MP3B	Mx	.000752	.5
10	MP3B	X	2.198	5.5
11	MP3B	Z	3.808	5.5
12	MP3B	Mx	.000752	5.5
13	MP3C	X	.97	.5
14	MP3C	Z	1.68	.5
15	MP3C	Mx	-.000955	.5
16	MP3C	X	.97	5.5
17	MP3C	Z	1.68	5.5
18	MP3C	Mx	-.000955	5.5
19	MP2A	X	3.937	.5
20	MP2A	Z	6.819	.5
21	MP2A	Mx	.000485	.5
22	MP2A	X	3.937	5.5
23	MP2A	Z	6.819	5.5
24	MP2A	Mx	.000485	5.5
25	MP2B	X	4.403	.5
26	MP2B	Z	7.627	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	4.403	5.5
29	MP2B	Z	7.627	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	3.061	.5
32	MP2C	Z	5.301	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	3.061	5.5
35	MP2C	Z	5.301	5.5
36	MP2C	Mx	.004	5.5
37	MP2A	X	3.937	.5
38	MP2A	Z	6.819	.5
39	MP2A	Mx	-.006	.5
40	MP2A	X	3.937	5.5
41	MP2A	Z	6.819	5.5
42	MP2A	Mx	-.006	5.5
43	MP2B	X	4.403	.5
44	MP2B	Z	7.627	.5
45	MP2B	Mx	.003	.5
46	MP2B	X	4.403	5.5
47	MP2B	Z	7.627	5.5
48	MP2B	Mx	.003	5.5
49	MP2C	X	3.061	.5
50	MP2C	Z	5.301	.5
51	MP2C	Mx	.002	.5
52	MP2C	X	3.061	5.5
53	MP2C	Z	5.301	5.5
54	MP2C	Mx	.002	5.5
55	MP1B	X	3.052	.5
56	MP1B	Z	5.286	.5
57	MP1B	Mx	-.001	.5
58	MP1B	X	3.052	5.5
59	MP1B	Z	5.286	5.5
60	MP1B	Mx	-.001	5.5
61	MP1C	X	2.725	.5
62	MP1C	Z	4.72	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	.003	.5
64	MP1C	X	2.725	5.5
65	MP1C	Z	4.72	5.5
66	MP1C	Mx	.003	5.5
67	MP4B	X	3.052	.5
68	MP4B	Z	5.286	.5
69	MP4B	Mx	-.001	.5
70	MP4B	X	3.052	5.5
71	MP4B	Z	5.286	5.5
72	MP4B	Mx	-.001	5.5
73	MP4C	X	2.725	.5
74	MP4C	Z	4.72	.5
75	MP4C	Mx	.003	.5
76	MP4C	X	2.725	5.5
77	MP4C	Z	4.72	5.5
78	MP4C	Mx	.003	5.5
79	MP1A	X	1.895	.5
80	MP1A	Z	3.282	.5
81	MP1A	Mx	-.001	.5
82	MP1A	X	1.895	5.5
83	MP1A	Z	3.282	5.5
84	MP1A	Mx	-.001	5.5
85	MP4A	X	1.895	.5
86	MP4A	Z	3.282	.5
87	MP4A	Mx	-.001	.5
88	MP4A	X	1.895	5.5
89	MP4A	Z	3.282	5.5
90	MP4A	Mx	-.001	5.5
91	MP2A	X	.325	4.5
92	MP2A	Z	.563	4.5
93	MP2A	Mx	.000209	4.5
94	MP2B	X	.359	4.5
95	MP2B	Z	.622	4.5
96	MP2B	Mx	.000123	4.5
97	MP2C	X	.261	4.5
98	MP2C	Z	.453	4.5
99	MP2C	Mx	-.000257	4.5
100	MP3A	X	1.625	4.5
101	MP3A	Z	2.815	4.5
102	MP3A	Mx	.001	4.5
103	MP3B	X	1.81	4.5
104	MP3B	Z	3.136	4.5
105	MP3B	Mx	.000619	4.5
106	MP3C	X	1.278	3
107	MP3C	Z	2.213	3
108	MP3C	Mx	-.001	3
109	MP2A	X	1.527	1
110	MP2A	Z	2.644	1
111	MP2A	Mx	.000981	1
112	MP2B	X	1.782	1
113	MP2B	Z	3.087	1
114	MP2B	Mx	.00061	1
115	MP2C	X	1.046	1
116	MP2C	Z	1.811	1
117	MP2C	Mx	-.001	1
118	M101	X	2.518	1
119	M101	Z	4.361	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	M101	Mx	0	1
121	M157	X	2.518	1
122	M157	Z	4.361	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	4.647	.5
3	MP3A	Mx	.000403	.5
4	MP3A	X	0	5.5
5	MP3A	Z	4.647	5.5
6	MP3A	Mx	.000403	5.5
7	MP3B	X	0	.5
8	MP3B	Z	3.043	.5
9	MP3B	Mx	.001	.5
10	MP3B	X	0	5.5
11	MP3B	Z	3.043	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	0	.5
14	MP3C	Z	2.19	.5
15	MP3C	Mx	-.001	.5
16	MP3C	X	0	5.5
17	MP3C	Z	2.19	5.5
18	MP3C	Mx	-.001	5.5
19	MP2A	X	0	.5
20	MP2A	Z	9.08	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	0	5.5
23	MP2A	Z	9.08	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	0	.5
26	MP2B	Z	7.327	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	0	5.5
29	MP2B	Z	7.327	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	0	.5
32	MP2C	Z	6.394	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	0	5.5
35	MP2C	Z	6.394	5.5
36	MP2C	Mx	.002	5.5
37	MP2A	X	0	.5
38	MP2A	Z	9.08	.5
39	MP2A	Mx	-.005	.5
40	MP2A	X	0	5.5
41	MP2A	Z	9.08	5.5
42	MP2A	Mx	-.005	5.5
43	MP2B	X	0	.5
44	MP2B	Z	7.327	.5
45	MP2B	Mx	-.000452	.5
46	MP2B	X	0	5.5
47	MP2B	Z	7.327	5.5
48	MP2B	Mx	-.000452	5.5
49	MP2C	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Z	6.394	.5
51	MP2C	Mx	.004	.5
52	MP2C	X	0	5.5
53	MP2C	Z	6.394	5.5
54	MP2C	Mx	.004	5.5
55	MP1B	X	0	.5
56	MP1B	Z	5.744	.5
57	MP1B	Mx	-.002	.5
58	MP1B	X	0	5.5
59	MP1B	Z	5.744	5.5
60	MP1B	Mx	-.002	5.5
61	MP1C	X	0	.5
62	MP1C	Z	5.517	.5
63	MP1C	Mx	.003	.5
64	MP1C	X	0	5.5
65	MP1C	Z	5.517	5.5
66	MP1C	Mx	.003	5.5
67	MP4B	X	0	.5
68	MP4B	Z	5.744	.5
69	MP4B	Mx	-.002	.5
70	MP4B	X	0	5.5
71	MP4B	Z	5.744	5.5
72	MP4B	Mx	-.002	5.5
73	MP4C	X	0	.5
74	MP4C	Z	5.517	.5
75	MP4C	Mx	.003	.5
76	MP4C	X	0	5.5
77	MP4C	Z	5.517	5.5
78	MP4C	Mx	.003	5.5
79	MP1A	X	0	.5
80	MP1A	Z	2.713	.5
81	MP1A	Mx	-.000236	.5
82	MP1A	X	0	5.5
83	MP1A	Z	2.713	5.5
84	MP1A	Mx	-.000236	5.5
85	MP4A	X	0	.5
86	MP4A	Z	2.713	.5
87	MP4A	Mx	-.000236	.5
88	MP4A	X	0	5.5
89	MP4A	Z	2.713	5.5
90	MP4A	Mx	-.000236	5.5
91	MP2A	X	0	4.5
92	MP2A	Z	.738	4.5
93	MP2A	Mx	6.4e-5	4.5
94	MP2B	X	0	4.5
95	MP2B	Z	.611	4.5
96	MP2B	Mx	.000234	4.5
97	MP2C	X	0	4.5
98	MP2C	Z	.543	4.5
99	MP2C	Mx	-.000255	4.5
100	MP3A	X	0	4.5
101	MP3A	Z	3.729	4.5
102	MP3A	Mx	.000324	4.5
103	MP3B	X	0	4.5
104	MP3B	Z	3.034	4.5
105	MP3B	Mx	.001	4.5
106	MP3C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP3C	Z	2.664	3
108	MP3C	Mx	-.001	3
109	MP2A	X	0	1
110	MP2A	Z	3.715	1
111	MP2A	Mx	.000323	1
112	MP2B	X	0	1
113	MP2B	Z	2.753	1
114	MP2B	Mx	.001	1
115	MP2C	X	0	1
116	MP2C	Z	2.242	1
117	MP2C	Mx	-.001	1
118	M101	X	0	1
119	M101	Z	3.777	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	3.777	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.198	.5
2	MP3A	Z	3.808	.5
3	MP3A	Mx	-.000752	.5
4	MP3A	X	-2.198	5.5
5	MP3A	Z	3.808	5.5
6	MP3A	Mx	-.000752	5.5
7	MP3B	X	-.97	.5
8	MP3B	Z	1.68	.5
9	MP3B	Mx	.000955	.5
10	MP3B	X	-.97	5.5
11	MP3B	Z	1.68	5.5
12	MP3B	Mx	.000955	5.5
13	MP3C	X	-1.772	.5
14	MP3C	Z	3.069	.5
15	MP3C	Mx	-.001	.5
16	MP3C	X	-1.772	5.5
17	MP3C	Z	3.069	5.5
18	MP3C	Mx	-.001	5.5
19	MP2A	X	-4.403	.5
20	MP2A	Z	7.627	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	-4.403	5.5
23	MP2A	Z	7.627	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	-3.061	.5
26	MP2B	Z	5.301	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	-3.061	5.5
29	MP2B	Z	5.301	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	-3.937	.5
32	MP2C	Z	6.819	.5
33	MP2C	Mx	-.000485	.5
34	MP2C	X	-3.937	5.5
35	MP2C	Z	6.819	5.5
36	MP2C	Mx	-.000485	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	-4.403	.5
38	MP2A	Z	7.627	.5
39	MP2A	Mx	-.003	.5
40	MP2A	X	-4.403	5.5
41	MP2A	Z	7.627	5.5
42	MP2A	Mx	-.003	5.5
43	MP2B	X	-3.061	.5
44	MP2B	Z	5.301	.5
45	MP2B	Mx	-.002	.5
46	MP2B	X	-3.061	5.5
47	MP2B	Z	5.301	5.5
48	MP2B	Mx	-.002	5.5
49	MP2C	X	-3.937	.5
50	MP2C	Z	6.819	.5
51	MP2C	Mx	.006	.5
52	MP2C	X	-3.937	5.5
53	MP2C	Z	6.819	5.5
54	MP2C	Mx	.006	5.5
55	MP1B	X	-2.725	.5
56	MP1B	Z	4.72	.5
57	MP1B	Mx	-.003	.5
58	MP1B	X	-2.725	5.5
59	MP1B	Z	4.72	5.5
60	MP1B	Mx	-.003	5.5
61	MP1C	X	-2.939	.5
62	MP1C	Z	5.09	.5
63	MP1C	Mx	.002	.5
64	MP1C	X	-2.939	5.5
65	MP1C	Z	5.09	5.5
66	MP1C	Mx	.002	5.5
67	MP4B	X	-2.725	.5
68	MP4B	Z	4.72	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	-2.725	5.5
71	MP4B	Z	4.72	5.5
72	MP4B	Mx	-.003	5.5
73	MP4C	X	-2.939	.5
74	MP4C	Z	5.09	.5
75	MP4C	Mx	.002	.5
76	MP4C	X	-2.939	5.5
77	MP4C	Z	5.09	5.5
78	MP4C	Mx	.002	5.5
79	MP1A	X	-1.479	.5
80	MP1A	Z	2.561	.5
81	MP1A	Mx	.000506	.5
82	MP1A	X	-1.479	5.5
83	MP1A	Z	2.561	5.5
84	MP1A	Mx	.000506	5.5
85	MP4A	X	-1.479	.5
86	MP4A	Z	2.561	.5
87	MP4A	Mx	.000506	.5
88	MP4A	X	-1.479	5.5
89	MP4A	Z	2.561	5.5
90	MP4A	Mx	.000506	5.5
91	MP2A	X	-.359	4.5
92	MP2A	Z	.622	4.5
93	MP2A	Mx	-.000123	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP2B	X	-.261	4.5
95	MP2B	Z	.453	4.5
96	MP2B	Mx	.000257	4.5
97	MP2C	X	-.325	4.5
98	MP2C	Z	.563	4.5
99	MP2C	Mx	-.000209	4.5
100	MP3A	X	-1.81	4.5
101	MP3A	Z	3.136	4.5
102	MP3A	Mx	-.000619	4.5
103	MP3B	X	-1.278	4.5
104	MP3B	Z	2.213	4.5
105	MP3B	Mx	.001	4.5
106	MP3C	X	-1.625	3
107	MP3C	Z	2.815	3
108	MP3C	Mx	-.001	3
109	MP2A	X	-1.782	1
110	MP2A	Z	3.087	1
111	MP2A	Mx	-.000609	1
112	MP2B	X	-1.046	1
113	MP2B	Z	1.811	1
114	MP2B	Mx	.001	1
115	MP2C	X	-1.527	1
116	MP2C	Z	2.644	1
117	MP2C	Mx	-.000981	1
118	M101	X	-.629	1
119	M101	Z	1.09	1
120	M101	Mx	0	1
121	M157	X	-.629	1
122	M157	Z	1.09	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.636	.5
2	MP3A	Z	1.522	.5
3	MP3A	Mx	-.001	.5
4	MP3A	X	-2.636	5.5
5	MP3A	Z	1.522	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	-1.897	.5
8	MP3B	Z	1.095	.5
9	MP3B	Mx	.001	.5
10	MP3B	X	-1.897	5.5
11	MP3B	Z	1.095	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	-4.024	.5
14	MP3C	Z	2.323	.5
15	MP3C	Mx	-.000403	.5
16	MP3C	X	-4.024	5.5
17	MP3C	Z	2.323	5.5
18	MP3C	Mx	-.000403	5.5
19	MP2A	X	-6.346	.5
20	MP2A	Z	3.664	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	-6.346	5.5
23	MP2A	Z	3.664	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.005	5.5
25	MP2B	X	-5.538	.5
26	MP2B	Z	3.197	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	-5.538	5.5
29	MP2B	Z	3.197	5.5
30	MP2B	Mx	-.002	5.5
31	MP2C	X	-7.864	.5
32	MP2C	Z	4.54	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-7.864	5.5
35	MP2C	Z	4.54	5.5
36	MP2C	Mx	-.004	5.5
37	MP2A	X	-6.346	.5
38	MP2A	Z	3.664	.5
39	MP2A	Mx	.000452	.5
40	MP2A	X	-6.346	5.5
41	MP2A	Z	3.664	5.5
42	MP2A	Mx	.000452	5.5
43	MP2B	X	-5.538	.5
44	MP2B	Z	3.197	.5
45	MP2B	Mx	-.004	.5
46	MP2B	X	-5.538	5.5
47	MP2B	Z	3.197	5.5
48	MP2B	Mx	-.004	5.5
49	MP2C	X	-7.864	.5
50	MP2C	Z	4.54	.5
51	MP2C	Mx	.005	.5
52	MP2C	X	-7.864	5.5
53	MP2C	Z	4.54	5.5
54	MP2C	Mx	.005	5.5
55	MP1B	X	-4.778	.5
56	MP1B	Z	2.758	.5
57	MP1B	Mx	-.003	.5
58	MP1B	X	-4.778	5.5
59	MP1B	Z	2.758	5.5
60	MP1B	Mx	-.003	5.5
61	MP1C	X	-5.344	.5
62	MP1C	Z	3.085	.5
63	MP1C	Mx	.000536	.5
64	MP1C	X	-5.344	5.5
65	MP1C	Z	3.085	5.5
66	MP1C	Mx	.000536	5.5
67	MP4B	X	-4.778	.5
68	MP4B	Z	2.758	.5
69	MP4B	Mx	-.003	.5
70	MP4B	X	-4.778	5.5
71	MP4B	Z	2.758	5.5
72	MP4B	Mx	-.003	5.5
73	MP4C	X	-5.344	.5
74	MP4C	Z	3.085	.5
75	MP4C	Mx	.000536	.5
76	MP4C	X	-5.344	5.5
77	MP4C	Z	3.085	5.5
78	MP4C	Mx	.000536	5.5
79	MP1A	X	-3.704	.5
80	MP1A	Z	2.138	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	.002	.5
82	MP1A	X	-3.704	5.5
83	MP1A	Z	2.138	5.5
84	MP1A	Mx	.002	5.5
85	MP4A	X	-3.704	.5
86	MP4A	Z	2.138	.5
87	MP4A	Mx	.002	.5
88	MP4A	X	-3.704	5.5
89	MP4A	Z	2.138	5.5
90	MP4A	Mx	.002	5.5
91	MP2A	X	-.529	4.5
92	MP2A	Z	.305	4.5
93	MP2A	Mx	-.000234	4.5
94	MP2B	X	-.47	4.5
95	MP2B	Z	.271	4.5
96	MP2B	Mx	.000255	4.5
97	MP2C	X	-.639	4.5
98	MP2C	Z	.369	4.5
99	MP2C	Mx	-6.4e-5	4.5
100	MP3A	X	-2.627	4.5
101	MP3A	Z	1.517	4.5
102	MP3A	Mx	-.001	4.5
103	MP3B	X	-2.307	4.5
104	MP3B	Z	1.332	4.5
105	MP3B	Mx	.001	4.5
106	MP3C	X	-3.229	3
107	MP3C	Z	1.865	3
108	MP3C	Mx	-.000324	3
109	MP2A	X	-2.384	1
110	MP2A	Z	1.377	1
111	MP2A	Mx	-.001	1
112	MP2B	X	-1.941	1
113	MP2B	Z	1.121	1
114	MP2B	Mx	.001	1
115	MP2C	X	-3.217	1
116	MP2C	Z	1.857	1
117	MP2C	Mx	-.000322	1
118	M101	X	0	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	0	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.94	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.000955	.5
4	MP3A	X	-1.94	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.000955	5.5
7	MP3B	X	-3.543	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.001	.5
10	MP3B	X	-3.543	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	0	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	-4.397	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.000752	.5
16	MP3C	X	-4.397	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.000752	5.5
19	MP2A	X	-6.121	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-6.121	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	-7.874	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.000485	.5
28	MP2B	X	-7.874	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.000485	5.5
31	MP2C	X	-8.807	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	-8.807	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.006	5.5
37	MP2A	X	-6.121	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.002	.5
40	MP2A	X	-6.121	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.002	5.5
43	MP2B	X	-7.874	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	-.006	.5
46	MP2B	X	-7.874	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.006	5.5
49	MP2C	X	-8.807	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.003	.5
52	MP2C	X	-8.807	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.003	5.5
55	MP1B	X	-5.877	.5
56	MP1B	Z	0	.5
57	MP1B	Mx	-.002	.5
58	MP1B	X	-5.877	5.5
59	MP1B	Z	0	5.5
60	MP1B	Mx	-.002	5.5
61	MP1C	X	-6.104	.5
62	MP1C	Z	0	.5
63	MP1C	Mx	-.001	.5
64	MP1C	X	-6.104	5.5
65	MP1C	Z	0	5.5
66	MP1C	Mx	-.001	5.5
67	MP4B	X	-5.877	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	Z	0	.5
69	MP4B	Mx	-.002	.5
70	MP4B	X	-5.877	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.002	5.5
73	MP4C	X	-6.104	.5
74	MP4C	Z	0	.5
75	MP4C	Mx	-.001	.5
76	MP4C	X	-6.104	5.5
77	MP4C	Z	0	5.5
78	MP4C	Mx	-.001	5.5
79	MP1A	X	-5.353	.5
80	MP1A	Z	0	.5
81	MP1A	Mx	.003	.5
82	MP1A	X	-5.353	5.5
83	MP1A	Z	0	5.5
84	MP1A	Mx	.003	5.5
85	MP4A	X	-5.353	.5
86	MP4A	Z	0	.5
87	MP4A	Mx	.003	.5
88	MP4A	X	-5.353	5.5
89	MP4A	Z	0	5.5
90	MP4A	Mx	.003	5.5
91	MP2A	X	-.523	4.5
92	MP2A	Z	0	4.5
93	MP2A	Mx	-.000258	4.5
94	MP2B	X	-.65	4.5
95	MP2B	Z	0	4.5
96	MP2B	Mx	.000209	4.5
97	MP2C	X	-.718	4.5
98	MP2C	Z	0	4.5
99	MP2C	Mx	.000123	4.5
100	MP3A	X	-2.556	4.5
101	MP3A	Z	0	4.5
102	MP3A	Mx	-.001	4.5
103	MP3B	X	-3.251	4.5
104	MP3B	Z	0	4.5
105	MP3B	Mx	.001	4.5
106	MP3C	X	-3.621	3
107	MP3C	Z	0	3
108	MP3C	Mx	.000619	3
109	MP2A	X	-2.092	1
110	MP2A	Z	0	1
111	MP2A	Mx	-.001	1
112	MP2B	X	-3.053	1
113	MP2B	Z	0	1
114	MP2B	Mx	.000981	1
115	MP2C	X	-3.565	1
116	MP2C	Z	0	1
117	MP2C	Mx	.00061	1
118	M101	X	-1.259	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M157	X	-1.259	1
122	M157	Z	0	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.897	.5
2	MP3A	Z	-1.095	.5
3	MP3A	Mx	-.001	.5
4	MP3A	X	-1.897	5.5
5	MP3A	Z	-1.095	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	-4.024	.5
8	MP3B	Z	-2.323	.5
9	MP3B	Mx	.000404	.5
10	MP3B	X	-4.024	5.5
11	MP3B	Z	-2.323	5.5
12	MP3B	Mx	.000404	5.5
13	MP3C	X	-2.636	.5
14	MP3C	Z	-1.522	.5
15	MP3C	Mx	.001	.5
16	MP3C	X	-2.636	5.5
17	MP3C	Z	-1.522	5.5
18	MP3C	Mx	.001	5.5
19	MP2A	X	-5.538	.5
20	MP2A	Z	-3.197	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	-5.538	5.5
23	MP2A	Z	-3.197	5.5
24	MP2A	Mx	.002	5.5
25	MP2B	X	-7.864	.5
26	MP2B	Z	-4.54	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	-7.864	5.5
29	MP2B	Z	-4.54	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	-6.346	.5
32	MP2C	Z	-3.664	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	-6.346	5.5
35	MP2C	Z	-3.664	5.5
36	MP2C	Mx	-.005	5.5
37	MP2A	X	-5.538	.5
38	MP2A	Z	-3.197	.5
39	MP2A	Mx	.004	.5
40	MP2A	X	-5.538	5.5
41	MP2A	Z	-3.197	5.5
42	MP2A	Mx	.004	5.5
43	MP2B	X	-7.864	.5
44	MP2B	Z	-4.54	.5
45	MP2B	Mx	-.005	.5
46	MP2B	X	-7.864	5.5
47	MP2B	Z	-4.54	5.5
48	MP2B	Mx	-.005	5.5
49	MP2C	X	-6.346	.5
50	MP2C	Z	-3.664	.5
51	MP2C	Mx	-.000452	.5
52	MP2C	X	-6.346	5.5
53	MP2C	Z	-3.664	5.5
54	MP2C	Mx	-.000452	5.5
55	MP1B	X	-5.344	.5
56	MP1B	Z	-3.085	.5
57	MP1B	Mx	-.000536	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-5.344	5.5
59	MP1B	Z	-3.085	5.5
60	MP1B	Mx	-.000536	5.5
61	MP1C	X	-4.974	.5
62	MP1C	Z	-2.872	.5
63	MP1C	Mx	-.002	.5
64	MP1C	X	-4.974	5.5
65	MP1C	Z	-2.872	5.5
66	MP1C	Mx	-.002	5.5
67	MP4B	X	-5.344	.5
68	MP4B	Z	-3.085	.5
69	MP4B	Mx	-.000536	.5
70	MP4B	X	-5.344	5.5
71	MP4B	Z	-3.085	5.5
72	MP4B	Mx	-.000536	5.5
73	MP4C	X	-4.974	.5
74	MP4C	Z	-2.872	.5
75	MP4C	Mx	-.002	.5
76	MP4C	X	-4.974	5.5
77	MP4C	Z	-2.872	5.5
78	MP4C	Mx	-.002	5.5
79	MP1A	X	-4.424	.5
80	MP1A	Z	-2.554	.5
81	MP1A	Mx	.002	.5
82	MP1A	X	-4.424	5.5
83	MP1A	Z	-2.554	5.5
84	MP1A	Mx	.002	5.5
85	MP4A	X	-4.424	.5
86	MP4A	Z	-2.554	.5
87	MP4A	Mx	.002	.5
88	MP4A	X	-4.424	5.5
89	MP4A	Z	-2.554	5.5
90	MP4A	Mx	.002	5.5
91	MP2A	X	-.47	4.5
92	MP2A	Z	-.271	4.5
93	MP2A	Mx	-.000255	4.5
94	MP2B	X	-.639	4.5
95	MP2B	Z	-.369	4.5
96	MP2B	Mx	6.4e-5	4.5
97	MP2C	X	-.529	4.5
98	MP2C	Z	-.305	4.5
99	MP2C	Mx	.000234	4.5
100	MP3A	X	-2.307	4.5
101	MP3A	Z	-1.332	4.5
102	MP3A	Mx	-.001	4.5
103	MP3B	X	-3.229	4.5
104	MP3B	Z	-1.865	4.5
105	MP3B	Mx	.000323	4.5
106	MP3C	X	-2.627	3
107	MP3C	Z	-1.517	3
108	MP3C	Mx	.001	3
109	MP2A	X	-1.941	1
110	MP2A	Z	-1.121	1
111	MP2A	Mx	-.001	1
112	MP2B	X	-3.217	1
113	MP2B	Z	-1.857	1
114	MP2B	Mx	.000323	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2C	X	-2.384	1
116	MP2C	Z	-1.377	1
117	MP2C	Mx	.001	1
118	M101	X	-3.271	1
119	M101	Z	-1.888	1
120	M101	Mx	0	1
121	M157	X	-3.271	1
122	M157	Z	-1.888	1
123	M157	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.772	.5
2	MP3A	Z	-3.069	.5
3	MP3A	Mx	-.001	.5
4	MP3A	X	-1.772	5.5
5	MP3A	Z	-3.069	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	-2.198	.5
8	MP3B	Z	-3.808	.5
9	MP3B	Mx	-.000752	.5
10	MP3B	X	-2.198	5.5
11	MP3B	Z	-3.808	5.5
12	MP3B	Mx	-.000752	5.5
13	MP3C	X	-.97	.5
14	MP3C	Z	-1.68	.5
15	MP3C	Mx	.000955	.5
16	MP3C	X	-.97	5.5
17	MP3C	Z	-1.68	5.5
18	MP3C	Mx	.000955	5.5
19	MP2A	X	-3.937	.5
20	MP2A	Z	-6.819	.5
21	MP2A	Mx	-.000485	.5
22	MP2A	X	-3.937	5.5
23	MP2A	Z	-6.819	5.5
24	MP2A	Mx	-.000485	5.5
25	MP2B	X	-4.403	.5
26	MP2B	Z	-7.627	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	-4.403	5.5
29	MP2B	Z	-7.627	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	-3.061	.5
32	MP2C	Z	-5.301	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-3.061	5.5
35	MP2C	Z	-5.301	5.5
36	MP2C	Mx	-.004	5.5
37	MP2A	X	-3.937	.5
38	MP2A	Z	-6.819	.5
39	MP2A	Mx	.006	.5
40	MP2A	X	-3.937	5.5
41	MP2A	Z	-6.819	5.5
42	MP2A	Mx	.006	5.5
43	MP2B	X	-4.403	.5
44	MP2B	Z	-7.627	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	-.003	.5
46	MP2B	X	-4.403	5.5
47	MP2B	Z	-7.627	5.5
48	MP2B	Mx	-.003	5.5
49	MP2C	X	-3.061	.5
50	MP2C	Z	-5.301	.5
51	MP2C	Mx	-.002	.5
52	MP2C	X	-3.061	5.5
53	MP2C	Z	-5.301	5.5
54	MP2C	Mx	-.002	5.5
55	MP1B	X	-3.052	.5
56	MP1B	Z	-5.286	.5
57	MP1B	Mx	.001	.5
58	MP1B	X	-3.052	5.5
59	MP1B	Z	-5.286	5.5
60	MP1B	Mx	.001	5.5
61	MP1C	X	-2.725	.5
62	MP1C	Z	-4.72	.5
63	MP1C	Mx	-.003	.5
64	MP1C	X	-2.725	5.5
65	MP1C	Z	-4.72	5.5
66	MP1C	Mx	-.003	5.5
67	MP4B	X	-3.052	.5
68	MP4B	Z	-5.286	.5
69	MP4B	Mx	.001	.5
70	MP4B	X	-3.052	5.5
71	MP4B	Z	-5.286	5.5
72	MP4B	Mx	.001	5.5
73	MP4C	X	-2.725	.5
74	MP4C	Z	-4.72	.5
75	MP4C	Mx	-.003	.5
76	MP4C	X	-2.725	5.5
77	MP4C	Z	-4.72	5.5
78	MP4C	Mx	-.003	5.5
79	MP1A	X	-1.895	.5
80	MP1A	Z	-3.282	.5
81	MP1A	Mx	.001	.5
82	MP1A	X	-1.895	5.5
83	MP1A	Z	-3.282	5.5
84	MP1A	Mx	.001	5.5
85	MP4A	X	-1.895	.5
86	MP4A	Z	-3.282	.5
87	MP4A	Mx	.001	.5
88	MP4A	X	-1.895	5.5
89	MP4A	Z	-3.282	5.5
90	MP4A	Mx	.001	5.5
91	MP2A	X	-.325	4.5
92	MP2A	Z	-.563	4.5
93	MP2A	Mx	-.000209	4.5
94	MP2B	X	-.359	4.5
95	MP2B	Z	-.622	4.5
96	MP2B	Mx	-.000123	4.5
97	MP2C	X	-.261	4.5
98	MP2C	Z	-.453	4.5
99	MP2C	Mx	.000257	4.5
100	MP3A	X	-1.625	4.5
101	MP3A	Z	-2.815	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP3A	Mx	-.001	4.5
103	MP3B	X	-1.81	4.5
104	MP3B	Z	-3.136	4.5
105	MP3B	Mx	-.000619	4.5
106	MP3C	X	-1.278	3
107	MP3C	Z	-2.213	3
108	MP3C	Mx	.001	3
109	MP2A	X	-1.527	1
110	MP2A	Z	-2.644	1
111	MP2A	Mx	-.000981	1
112	MP2B	X	-1.782	1
113	MP2B	Z	-3.087	1
114	MP2B	Mx	-.00061	1
115	MP2C	X	-1.046	1
116	MP2C	Z	-1.811	1
117	MP2C	Mx	.001	1
118	M101	X	-2.518	1
119	M101	Z	-4.361	1
120	M101	Mx	0	1
121	M157	X	-2.518	1
122	M157	Z	-4.361	1
123	M157	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-500	%31

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-500	%66

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M181	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M101	Y	-9.389	-9.389	0	%100
2	M102	Y	-9.389	-9.389	0	%100
3	M111	Y	-9.389	-9.389	0	%100
4	M112	Y	-9.892	-9.892	0	%100
5	M115	Y	-5.477	-5.477	0	%100
6	M116	Y	-5.477	-5.477	0	%100
7	M120	Y	-9.88	-9.88	0	%100
8	M121	Y	-9.88	-9.88	0	%100
9	M123	Y	-9.892	-9.892	0	%100
10	M125	Y	-9.88	-9.88	0	%100
11	M126	Y	-9.88	-9.88	0	%100
12	M128	Y	-9.892	-9.892	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,%]
13	M133	Y	-9.389	-9.389	0	%100
14	M134	Y	-9.389	-9.389	0	%100
15	M135	Y	-9.389	-9.389	0	%100
16	M136	Y	-9.892	-9.892	0	%100
17	M139	Y	-5.477	-5.477	0	%100
18	M140	Y	-5.477	-5.477	0	%100
19	M144	Y	-9.88	-9.88	0	%100
20	M145	Y	-9.88	-9.88	0	%100
21	M147	Y	-9.892	-9.892	0	%100
22	M149	Y	-9.88	-9.88	0	%100
23	M150	Y	-9.88	-9.88	0	%100
24	M152	Y	-9.892	-9.892	0	%100
25	M157	Y	-9.389	-9.389	0	%100
26	M158	Y	-9.389	-9.389	0	%100
27	M159	Y	-9.389	-9.389	0	%100
28	M160	Y	-9.892	-9.892	0	%100
29	M163	Y	-5.477	-5.477	0	%100
30	M164	Y	-5.477	-5.477	0	%100
31	M168	Y	-9.88	-9.88	0	%100
32	M169	Y	-9.88	-9.88	0	%100
33	M171	Y	-9.892	-9.892	0	%100
34	M173	Y	-9.88	-9.88	0	%100
35	M174	Y	-9.88	-9.88	0	%100
36	M176	Y	-9.892	-9.892	0	%100
37	M181	Y	-6.406	-6.406	0	%100
38	M106	Y	-6.406	-6.406	0	%100
39	M108	Y	-6.406	-6.406	0	%100
40	M84	Y	-6.406	-6.406	0	%100
41	M88	Y	-6.406	-6.406	0	%100
42	M89	Y	-6.406	-6.406	0	%100
43	MP1A	Y	-4.85	-4.85	0	%100
44	MP2A	Y	-4.85	-4.85	0	%100
45	MP3A	Y	-4.85	-4.85	0	%100
46	MP4A	Y	-4.85	-4.85	0	%100
47	MP1C	Y	-4.85	-4.85	0	%100
48	MP2C	Y	-4.85	-4.85	0	%100
49	MP3C	Y	-4.85	-4.85	0	%100
50	MP4C	Y	-4.85	-4.85	0	%100
51	MP1B	Y	-4.85	-4.85	0	%100
52	MP2B	Y	-4.85	-4.85	0	%100
53	MP3B	Y	-4.85	-4.85	0	%100
54	MP4B	Y	-4.85	-4.85	0	%100
55	M121A	Y	-6.455	-6.455	0	%100
56	M122A	Y	-6.455	-6.455	0	%100
57	M123A	Y	-6.455	-6.455	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	M101	X	0	0	0	%100
2	M101	Z	-10.169	-10.169	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	-2.63	-2.63	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	-2.63	-2.63	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	-5.246	-5.246	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,%]
9	M115	X	0	0	0	%100
10	M115	Z	-11.651	-11.651	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	-2.913	-2.913	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	-15.737	-15.737	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	-21.371	-21.371	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	-22.509	-22.509	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	-15.737	-15.737	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	-5.343	-5.343	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	-5.627	-5.627	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	-10.519	-10.519	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	-10.519	-10.519	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	-20.982	-20.982	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	-2.913	-2.913	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	-2.913	-2.913	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	-5.343	-5.343	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	-5.627	-5.627	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	-5.343	-5.343	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	-5.627	-5.627	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	-10.169	-10.169	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	-2.63	-2.63	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	-2.63	-2.63	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	-5.246	-5.246	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	-2.913	-2.913	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	-11.651	-11.651	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	-15.737	-15.737	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	-5.343	-5.343	0	%100
65	M171	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,%]
66	M171	Z	-5.627	-5.627	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	-15.737	-15.737	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	-21.371	-21.371	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	-22.509	-22.509	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	-12.24	-12.24	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-3.06	-3.06	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	-3.06	-3.06	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	-12.24	-12.24	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	-3.06	-3.06	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	-3.06	-3.06	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-8.305	-8.305	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-8.305	-8.305	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-8.305	-8.305	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-8.305	-8.305	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-8.305	-8.305	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-8.305	-8.305	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-8.305	-8.305	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-8.305	-8.305	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-8.305	-8.305	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-8.305	-8.305	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-8.305	-8.305	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-8.305	-8.305	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	-2.502	-2.502	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	-2.502	-2.502	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	-10.007	-10.007	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	M101	X	6.78	6.78	0	%100
2	M101	Z	-11.743	-11.743	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	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,%]
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	4.369	4.369	0	%100
10	M115	Z	-7.568	-7.568	0	%100
11	M116	X	4.369	4.369	0	%100
12	M116	Z	-7.568	-7.568	0	%100
13	M120	X	10.491	10.491	0	%100
14	M120	Z	-18.171	-18.171	0	%100
15	M121	X	8.014	8.014	0	%100
16	M121	Z	-13.881	-13.881	0	%100
17	M123	X	8.441	8.441	0	%100
18	M123	Z	-14.62	-14.62	0	%100
19	M125	X	10.491	10.491	0	%100
20	M125	Z	-18.171	-18.171	0	%100
21	M126	X	8.014	8.014	0	%100
22	M126	Z	-13.881	-13.881	0	%100
23	M128	X	8.441	8.441	0	%100
24	M128	Z	-14.62	-14.62	0	%100
25	M133	X	1.695	1.695	0	%100
26	M133	Z	-2.936	-2.936	0	%100
27	M134	X	3.945	3.945	0	%100
28	M134	Z	-6.833	-6.833	0	%100
29	M135	X	3.945	3.945	0	%100
30	M135	Z	-6.833	-6.833	0	%100
31	M136	X	7.868	7.868	0	%100
32	M136	Z	-13.628	-13.628	0	%100
33	M139	X	4.369	4.369	0	%100
34	M139	Z	-7.568	-7.568	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	2.623	2.623	0	%100
38	M144	Z	-4.543	-4.543	0	%100
39	M145	X	8.014	8.014	0	%100
40	M145	Z	-13.881	-13.881	0	%100
41	M147	X	8.441	8.441	0	%100
42	M147	Z	-14.62	-14.62	0	%100
43	M149	X	2.623	2.623	0	%100
44	M149	Z	-4.543	-4.543	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	1.695	1.695	0	%100
50	M157	Z	-2.936	-2.936	0	%100
51	M158	X	3.945	3.945	0	%100
52	M158	Z	-6.833	-6.833	0	%100
53	M159	X	3.945	3.945	0	%100
54	M159	Z	-6.833	-6.833	0	%100
55	M160	X	7.868	7.868	0	%100
56	M160	Z	-13.628	-13.628	0	%100
57	M163	X	0	0	0	%100
58	M163	Z	0	0	0	%100
59	M164	X	4.369	4.369	0	%100
60	M164	Z	-7.568	-7.568	0	%100
61	M168	X	2.623	2.623	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,%]
62	M168	Z	-4.543	-4.543	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	2.623	2.623	0	%100
68	M173	Z	-4.543	-4.543	0	%100
69	M174	X	8.014	8.014	0	%100
70	M174	Z	-13.881	-13.881	0	%100
71	M176	X	8.441	8.441	0	%100
72	M176	Z	-14.62	-14.62	0	%100
73	M181	X	4.59	4.59	0	%100
74	M181	Z	-7.95	-7.95	0	%100
75	M106	X	4.59	4.59	0	%100
76	M106	Z	-7.95	-7.95	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	4.59	4.59	0	%100
80	M84	Z	-7.95	-7.95	0	%100
81	M88	X	4.59	4.59	0	%100
82	M88	Z	-7.95	-7.95	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	4.153	4.153	0	%100
86	MP1A	Z	-7.193	-7.193	0	%100
87	MP2A	X	4.153	4.153	0	%100
88	MP2A	Z	-7.193	-7.193	0	%100
89	MP3A	X	4.153	4.153	0	%100
90	MP3A	Z	-7.193	-7.193	0	%100
91	MP4A	X	4.153	4.153	0	%100
92	MP4A	Z	-7.193	-7.193	0	%100
93	MP1C	X	4.153	4.153	0	%100
94	MP1C	Z	-7.193	-7.193	0	%100
95	MP2C	X	4.153	4.153	0	%100
96	MP2C	Z	-7.193	-7.193	0	%100
97	MP3C	X	4.153	4.153	0	%100
98	MP3C	Z	-7.193	-7.193	0	%100
99	MP4C	X	4.153	4.153	0	%100
100	MP4C	Z	-7.193	-7.193	0	%100
101	MP1B	X	4.153	4.153	0	%100
102	MP1B	Z	-7.193	-7.193	0	%100
103	MP2B	X	4.153	4.153	0	%100
104	MP2B	Z	-7.193	-7.193	0	%100
105	MP3B	X	4.153	4.153	0	%100
106	MP3B	Z	-7.193	-7.193	0	%100
107	MP4B	X	4.153	4.153	0	%100
108	MP4B	Z	-7.193	-7.193	0	%100
109	M121A	X	3.753	3.753	0	%100
110	M121A	Z	-6.5	-6.5	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	3.753	3.753	0	%100
114	M123A	Z	-6.5	-6.5	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,%]

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,%]
1	M101	X	8.807	8.807	0	%100
2	M101	Z	-5.085	-5.085	0	%100
3	M102	X	2.278	2.278	0	%100
4	M102	Z	-1.315	-1.315	0	%100
5	M111	X	2.278	2.278	0	%100
6	M111	Z	-1.315	-1.315	0	%100
7	M112	X	4.543	4.543	0	%100
8	M112	Z	-2.623	-2.623	0	%100
9	M115	X	2.523	2.523	0	%100
10	M115	Z	-1.456	-1.456	0	%100
11	M116	X	10.09	10.09	0	%100
12	M116	Z	-5.825	-5.825	0	%100
13	M120	X	13.628	13.628	0	%100
14	M120	Z	-7.868	-7.868	0	%100
15	M121	X	4.627	4.627	0	%100
16	M121	Z	-2.671	-2.671	0	%100
17	M123	X	4.873	4.873	0	%100
18	M123	Z	-2.814	-2.814	0	%100
19	M125	X	13.628	13.628	0	%100
20	M125	Z	-7.868	-7.868	0	%100
21	M126	X	18.508	18.508	0	%100
22	M126	Z	-10.685	-10.685	0	%100
23	M128	X	19.494	19.494	0	%100
24	M128	Z	-11.255	-11.255	0	%100
25	M133	X	8.807	8.807	0	%100
26	M133	Z	-5.085	-5.085	0	%100
27	M134	X	2.278	2.278	0	%100
28	M134	Z	-1.315	-1.315	0	%100
29	M135	X	2.278	2.278	0	%100
30	M135	Z	-1.315	-1.315	0	%100
31	M136	X	4.543	4.543	0	%100
32	M136	Z	-2.623	-2.623	0	%100
33	M139	X	10.09	10.09	0	%100
34	M139	Z	-5.825	-5.825	0	%100
35	M140	X	2.523	2.523	0	%100
36	M140	Z	-1.456	-1.456	0	%100
37	M144	X	13.628	13.628	0	%100
38	M144	Z	-7.868	-7.868	0	%100
39	M145	X	18.508	18.508	0	%100
40	M145	Z	-10.685	-10.685	0	%100
41	M147	X	19.494	19.494	0	%100
42	M147	Z	-11.255	-11.255	0	%100
43	M149	X	13.628	13.628	0	%100
44	M149	Z	-7.868	-7.868	0	%100
45	M150	X	4.627	4.627	0	%100
46	M150	Z	-2.671	-2.671	0	%100
47	M152	X	4.873	4.873	0	%100
48	M152	Z	-2.814	-2.814	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	9.11	9.11	0	%100
52	M158	Z	-5.26	-5.26	0	%100
53	M159	X	9.11	9.11	0	%100
54	M159	Z	-5.26	-5.26	0	%100
55	M160	X	18.171	18.171	0	%100
56	M160	Z	-10.491	-10.491	0	%100
57	M163	X	2.523	2.523	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,%]
58	M163	Z	-1.456	-1.456	0	%100
59	M164	X	2.523	2.523	0	%100
60	M164	Z	-1.456	-1.456	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	4.627	4.627	0	%100
64	M169	Z	-2.671	-2.671	0	%100
65	M171	X	4.873	4.873	0	%100
66	M171	Z	-2.814	-2.814	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	4.627	4.627	0	%100
70	M174	Z	-2.671	-2.671	0	%100
71	M176	X	4.873	4.873	0	%100
72	M176	Z	-2.814	-2.814	0	%100
73	M181	X	2.65	2.65	0	%100
74	M181	Z	-1.53	-1.53	0	%100
75	M106	X	10.6	10.6	0	%100
76	M106	Z	-6.12	-6.12	0	%100
77	M108	X	2.65	2.65	0	%100
78	M108	Z	-1.53	-1.53	0	%100
79	M84	X	2.65	2.65	0	%100
80	M84	Z	-1.53	-1.53	0	%100
81	M88	X	10.6	10.6	0	%100
82	M88	Z	-6.12	-6.12	0	%100
83	M89	X	2.65	2.65	0	%100
84	M89	Z	-1.53	-1.53	0	%100
85	MP1A	X	7.193	7.193	0	%100
86	MP1A	Z	-4.153	-4.153	0	%100
87	MP2A	X	7.193	7.193	0	%100
88	MP2A	Z	-4.153	-4.153	0	%100
89	MP3A	X	7.193	7.193	0	%100
90	MP3A	Z	-4.153	-4.153	0	%100
91	MP4A	X	7.193	7.193	0	%100
92	MP4A	Z	-4.153	-4.153	0	%100
93	MP1C	X	7.193	7.193	0	%100
94	MP1C	Z	-4.153	-4.153	0	%100
95	MP2C	X	7.193	7.193	0	%100
96	MP2C	Z	-4.153	-4.153	0	%100
97	MP3C	X	7.193	7.193	0	%100
98	MP3C	Z	-4.153	-4.153	0	%100
99	MP4C	X	7.193	7.193	0	%100
100	MP4C	Z	-4.153	-4.153	0	%100
101	MP1B	X	7.193	7.193	0	%100
102	MP1B	Z	-4.153	-4.153	0	%100
103	MP2B	X	7.193	7.193	0	%100
104	MP2B	Z	-4.153	-4.153	0	%100
105	MP3B	X	7.193	7.193	0	%100
106	MP3B	Z	-4.153	-4.153	0	%100
107	MP4B	X	7.193	7.193	0	%100
108	MP4B	Z	-4.153	-4.153	0	%100
109	M121A	X	8.667	8.667	0	%100
110	M121A	Z	-5.004	-5.004	0	%100
111	M122A	X	2.167	2.167	0	%100
112	M122A	Z	-1.251	-1.251	0	%100
113	M123A	X	2.167	2.167	0	%100
114	M123A	Z	-1.251	-1.251	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	M101	X	3.39	3.39	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	7.89	7.89	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	7.89	7.89	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	15.737	15.737	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	8.738	8.738	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	5.246	5.246	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	5.246	5.246	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	16.028	16.028	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	16.882	16.882	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	13.559	13.559	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	8.738	8.738	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	8.738	8.738	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	20.982	20.982	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	16.028	16.028	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	16.882	16.882	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	20.982	20.982	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	16.028	16.028	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	16.882	16.882	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	3.39	3.39	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	7.89	7.89	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	7.89	7.89	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	15.737	15.737	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	8.738	8.738	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	5.246	5.246	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	16.028	16.028	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	16.882	16.882	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	5.246	5.246	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	9.18	9.18	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	9.18	9.18	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	9.18	9.18	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	9.18	9.18	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	8.305	8.305	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	8.305	8.305	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	8.305	8.305	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	8.305	8.305	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	8.305	8.305	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	8.305	8.305	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	8.305	8.305	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	8.305	8.305	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	8.305	8.305	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	8.305	8.305	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	8.305	8.305	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	8.305	8.305	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	7.505	7.505	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	7.505	7.505	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	9.11	9.11	0	%100
4	M102	Z	5.26	5.26	0	%100
5	M111	X	9.11	9.11	0	%100
6	M111	Z	5.26	5.26	0	%100
7	M112	X	18.171	18.171	0	%100
8	M112	Z	10.491	10.491	0	%100
9	M115	X	2.523	2.523	0	%100
10	M115	Z	1.456	1.456	0	%100
11	M116	X	2.523	2.523	0	%100
12	M116	Z	1.456	1.456	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	4.627	4.627	0	%100
16	M121	Z	2.671	2.671	0	%100
17	M123	X	4.873	4.873	0	%100
18	M123	Z	2.814	2.814	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	4.627	4.627	0	%100
22	M126	Z	2.671	2.671	0	%100
23	M128	X	4.873	4.873	0	%100
24	M128	Z	2.814	2.814	0	%100
25	M133	X	8.807	8.807	0	%100
26	M133	Z	5.085	5.085	0	%100
27	M134	X	2.278	2.278	0	%100
28	M134	Z	1.315	1.315	0	%100
29	M135	X	2.278	2.278	0	%100
30	M135	Z	1.315	1.315	0	%100
31	M136	X	4.543	4.543	0	%100
32	M136	Z	2.623	2.623	0	%100
33	M139	X	2.523	2.523	0	%100
34	M139	Z	1.456	1.456	0	%100
35	M140	X	10.09	10.09	0	%100
36	M140	Z	5.825	5.825	0	%100
37	M144	X	13.628	13.628	0	%100
38	M144	Z	7.868	7.868	0	%100
39	M145	X	4.627	4.627	0	%100
40	M145	Z	2.671	2.671	0	%100
41	M147	X	4.873	4.873	0	%100
42	M147	Z	2.814	2.814	0	%100
43	M149	X	13.628	13.628	0	%100
44	M149	Z	7.868	7.868	0	%100
45	M150	X	18.508	18.508	0	%100
46	M150	Z	10.685	10.685	0	%100
47	M152	X	19.494	19.494	0	%100
48	M152	Z	11.255	11.255	0	%100
49	M157	X	8.807	8.807	0	%100
50	M157	Z	5.085	5.085	0	%100
51	M158	X	2.278	2.278	0	%100
52	M158	Z	1.315	1.315	0	%100
53	M159	X	2.278	2.278	0	%100
54	M159	Z	1.315	1.315	0	%100
55	M160	X	4.543	4.543	0	%100
56	M160	Z	2.623	2.623	0	%100
57	M163	X	10.09	10.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M163	Z	5.825	5.825	0	%100
59	M164	X	2.523	2.523	0	%100
60	M164	Z	1.456	1.456	0	%100
61	M168	X	13.628	13.628	0	%100
62	M168	Z	7.868	7.868	0	%100
63	M169	X	18.508	18.508	0	%100
64	M169	Z	10.685	10.685	0	%100
65	M171	X	19.494	19.494	0	%100
66	M171	Z	11.255	11.255	0	%100
67	M173	X	13.628	13.628	0	%100
68	M173	Z	7.868	7.868	0	%100
69	M174	X	4.627	4.627	0	%100
70	M174	Z	2.671	2.671	0	%100
71	M176	X	4.873	4.873	0	%100
72	M176	Z	2.814	2.814	0	%100
73	M181	X	2.65	2.65	0	%100
74	M181	Z	1.53	1.53	0	%100
75	M106	X	2.65	2.65	0	%100
76	M106	Z	1.53	1.53	0	%100
77	M108	X	10.6	10.6	0	%100
78	M108	Z	6.12	6.12	0	%100
79	M84	X	2.65	2.65	0	%100
80	M84	Z	1.53	1.53	0	%100
81	M88	X	2.65	2.65	0	%100
82	M88	Z	1.53	1.53	0	%100
83	M89	X	10.6	10.6	0	%100
84	M89	Z	6.12	6.12	0	%100
85	MP1A	X	7.193	7.193	0	%100
86	MP1A	Z	4.153	4.153	0	%100
87	MP2A	X	7.193	7.193	0	%100
88	MP2A	Z	4.153	4.153	0	%100
89	MP3A	X	7.193	7.193	0	%100
90	MP3A	Z	4.153	4.153	0	%100
91	MP4A	X	7.193	7.193	0	%100
92	MP4A	Z	4.153	4.153	0	%100
93	MP1C	X	7.193	7.193	0	%100
94	MP1C	Z	4.153	4.153	0	%100
95	MP2C	X	7.193	7.193	0	%100
96	MP2C	Z	4.153	4.153	0	%100
97	MP3C	X	7.193	7.193	0	%100
98	MP3C	Z	4.153	4.153	0	%100
99	MP4C	X	7.193	7.193	0	%100
100	MP4C	Z	4.153	4.153	0	%100
101	MP1B	X	7.193	7.193	0	%100
102	MP1B	Z	4.153	4.153	0	%100
103	MP2B	X	7.193	7.193	0	%100
104	MP2B	Z	4.153	4.153	0	%100
105	MP3B	X	7.193	7.193	0	%100
106	MP3B	Z	4.153	4.153	0	%100
107	MP4B	X	7.193	7.193	0	%100
108	MP4B	Z	4.153	4.153	0	%100
109	M121A	X	2.167	2.167	0	%100
110	M121A	Z	1.251	1.251	0	%100
111	M122A	X	8.667	8.667	0	%100
112	M122A	Z	5.004	5.004	0	%100
113	M123A	X	2.167	2.167	0	%100
114	M123A	Z	1.251	1.251	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	M101	X	1.695	1.695	0	%100
2	M101	Z	2.936	2.936	0	%100
3	M102	X	3.945	3.945	0	%100
4	M102	Z	6.833	6.833	0	%100
5	M111	X	3.945	3.945	0	%100
6	M111	Z	6.833	6.833	0	%100
7	M112	X	7.868	7.868	0	%100
8	M112	Z	13.628	13.628	0	%100
9	M115	X	4.369	4.369	0	%100
10	M115	Z	7.568	7.568	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	2.623	2.623	0	%100
14	M120	Z	4.543	4.543	0	%100
15	M121	X	8.014	8.014	0	%100
16	M121	Z	13.881	13.881	0	%100
17	M123	X	8.441	8.441	0	%100
18	M123	Z	14.62	14.62	0	%100
19	M125	X	2.623	2.623	0	%100
20	M125	Z	4.543	4.543	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	1.695	1.695	0	%100
26	M133	Z	2.936	2.936	0	%100
27	M134	X	3.945	3.945	0	%100
28	M134	Z	6.833	6.833	0	%100
29	M135	X	3.945	3.945	0	%100
30	M135	Z	6.833	6.833	0	%100
31	M136	X	7.868	7.868	0	%100
32	M136	Z	13.628	13.628	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	4.369	4.369	0	%100
36	M140	Z	7.568	7.568	0	%100
37	M144	X	2.623	2.623	0	%100
38	M144	Z	4.543	4.543	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	2.623	2.623	0	%100
44	M149	Z	4.543	4.543	0	%100
45	M150	X	8.014	8.014	0	%100
46	M150	Z	13.881	13.881	0	%100
47	M152	X	8.441	8.441	0	%100
48	M152	Z	14.62	14.62	0	%100
49	M157	X	6.78	6.78	0	%100
50	M157	Z	11.743	11.743	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	4.369	4.369	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,%]
58	M163	Z	7.568	7.568	0	%100
59	M164	X	4.369	4.369	0	%100
60	M164	Z	7.568	7.568	0	%100
61	M168	X	10.491	10.491	0	%100
62	M168	Z	18.171	18.171	0	%100
63	M169	X	8.014	8.014	0	%100
64	M169	Z	13.881	13.881	0	%100
65	M171	X	8.441	8.441	0	%100
66	M171	Z	14.62	14.62	0	%100
67	M173	X	10.491	10.491	0	%100
68	M173	Z	18.171	18.171	0	%100
69	M174	X	8.014	8.014	0	%100
70	M174	Z	13.881	13.881	0	%100
71	M176	X	8.441	8.441	0	%100
72	M176	Z	14.62	14.62	0	%100
73	M181	X	4.59	4.59	0	%100
74	M181	Z	7.95	7.95	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	4.59	4.59	0	%100
78	M108	Z	7.95	7.95	0	%100
79	M84	X	4.59	4.59	0	%100
80	M84	Z	7.95	7.95	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	4.59	4.59	0	%100
84	M89	Z	7.95	7.95	0	%100
85	MP1A	X	4.153	4.153	0	%100
86	MP1A	Z	7.193	7.193	0	%100
87	MP2A	X	4.153	4.153	0	%100
88	MP2A	Z	7.193	7.193	0	%100
89	MP3A	X	4.153	4.153	0	%100
90	MP3A	Z	7.193	7.193	0	%100
91	MP4A	X	4.153	4.153	0	%100
92	MP4A	Z	7.193	7.193	0	%100
93	MP1C	X	4.153	4.153	0	%100
94	MP1C	Z	7.193	7.193	0	%100
95	MP2C	X	4.153	4.153	0	%100
96	MP2C	Z	7.193	7.193	0	%100
97	MP3C	X	4.153	4.153	0	%100
98	MP3C	Z	7.193	7.193	0	%100
99	MP4C	X	4.153	4.153	0	%100
100	MP4C	Z	7.193	7.193	0	%100
101	MP1B	X	4.153	4.153	0	%100
102	MP1B	Z	7.193	7.193	0	%100
103	MP2B	X	4.153	4.153	0	%100
104	MP2B	Z	7.193	7.193	0	%100
105	MP3B	X	4.153	4.153	0	%100
106	MP3B	Z	7.193	7.193	0	%100
107	MP4B	X	4.153	4.153	0	%100
108	MP4B	Z	7.193	7.193	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	3.753	3.753	0	%100
112	M122A	Z	6.5	6.5	0	%100
113	M123A	X	3.753	3.753	0	%100
114	M123A	Z	6.5	6.5	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	M101	X	0	0	0	%100
2	M101	Z	10.169	10.169	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	2.63	2.63	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	2.63	2.63	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	5.246	5.246	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	11.651	11.651	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	2.913	2.913	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	15.737	15.737	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	21.371	21.371	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	22.509	22.509	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	15.737	15.737	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	5.343	5.343	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	5.627	5.627	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	10.519	10.519	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	10.519	10.519	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	20.982	20.982	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	2.913	2.913	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	2.913	2.913	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	5.343	5.343	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	5.627	5.627	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	5.343	5.343	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	5.627	5.627	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	10.169	10.169	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	2.63	2.63	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	2.63	2.63	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	5.246	5.246	0	%100
57	M163	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,%]
58	M163	Z	2.913	2.913	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	11.651	11.651	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	15.737	15.737	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	5.343	5.343	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	5.627	5.627	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	15.737	15.737	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	21.371	21.371	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	22.509	22.509	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	12.24	12.24	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	3.06	3.06	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	3.06	3.06	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	12.24	12.24	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	3.06	3.06	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	3.06	3.06	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	8.305	8.305	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	8.305	8.305	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	8.305	8.305	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	8.305	8.305	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	8.305	8.305	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	8.305	8.305	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	8.305	8.305	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	8.305	8.305	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	8.305	8.305	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	8.305	8.305	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	8.305	8.305	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	8.305	8.305	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	2.502	2.502	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	2.502	2.502	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	10.007	10.007	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	M101	X	-6.78	-6.78	0	%100
2	M101	Z	11.743	11.743	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	-4.369	-4.369	0	%100
10	M115	Z	7.568	7.568	0	%100
11	M116	X	-4.369	-4.369	0	%100
12	M116	Z	7.568	7.568	0	%100
13	M120	X	-10.491	-10.491	0	%100
14	M120	Z	18.171	18.171	0	%100
15	M121	X	-8.014	-8.014	0	%100
16	M121	Z	13.881	13.881	0	%100
17	M123	X	-8.441	-8.441	0	%100
18	M123	Z	14.62	14.62	0	%100
19	M125	X	-10.491	-10.491	0	%100
20	M125	Z	18.171	18.171	0	%100
21	M126	X	-8.014	-8.014	0	%100
22	M126	Z	13.881	13.881	0	%100
23	M128	X	-8.441	-8.441	0	%100
24	M128	Z	14.62	14.62	0	%100
25	M133	X	-1.695	-1.695	0	%100
26	M133	Z	2.936	2.936	0	%100
27	M134	X	-3.945	-3.945	0	%100
28	M134	Z	6.833	6.833	0	%100
29	M135	X	-3.945	-3.945	0	%100
30	M135	Z	6.833	6.833	0	%100
31	M136	X	-7.868	-7.868	0	%100
32	M136	Z	13.628	13.628	0	%100
33	M139	X	-4.369	-4.369	0	%100
34	M139	Z	7.568	7.568	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-2.623	-2.623	0	%100
38	M144	Z	4.543	4.543	0	%100
39	M145	X	-8.014	-8.014	0	%100
40	M145	Z	13.881	13.881	0	%100
41	M147	X	-8.441	-8.441	0	%100
42	M147	Z	14.62	14.62	0	%100
43	M149	X	-2.623	-2.623	0	%100
44	M149	Z	4.543	4.543	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-1.695	-1.695	0	%100
50	M157	Z	2.936	2.936	0	%100
51	M158	X	-3.945	-3.945	0	%100
52	M158	Z	6.833	6.833	0	%100
53	M159	X	-3.945	-3.945	0	%100
54	M159	Z	6.833	6.833	0	%100
55	M160	X	-7.868	-7.868	0	%100
56	M160	Z	13.628	13.628	0	%100
57	M163	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	-4.369	-4.369	0	%100
60	M164	Z	7.568	7.568	0	%100
61	M168	X	-2.623	-2.623	0	%100
62	M168	Z	4.543	4.543	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-2.623	-2.623	0	%100
68	M173	Z	4.543	4.543	0	%100
69	M174	X	-8.014	-8.014	0	%100
70	M174	Z	13.881	13.881	0	%100
71	M176	X	-8.441	-8.441	0	%100
72	M176	Z	14.62	14.62	0	%100
73	M181	X	-4.59	-4.59	0	%100
74	M181	Z	7.95	7.95	0	%100
75	M106	X	-4.59	-4.59	0	%100
76	M106	Z	7.95	7.95	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	-4.59	-4.59	0	%100
80	M84	Z	7.95	7.95	0	%100
81	M88	X	-4.59	-4.59	0	%100
82	M88	Z	7.95	7.95	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-4.153	-4.153	0	%100
86	MP1A	Z	7.193	7.193	0	%100
87	MP2A	X	-4.153	-4.153	0	%100
88	MP2A	Z	7.193	7.193	0	%100
89	MP3A	X	-4.153	-4.153	0	%100
90	MP3A	Z	7.193	7.193	0	%100
91	MP4A	X	-4.153	-4.153	0	%100
92	MP4A	Z	7.193	7.193	0	%100
93	MP1C	X	-4.153	-4.153	0	%100
94	MP1C	Z	7.193	7.193	0	%100
95	MP2C	X	-4.153	-4.153	0	%100
96	MP2C	Z	7.193	7.193	0	%100
97	MP3C	X	-4.153	-4.153	0	%100
98	MP3C	Z	7.193	7.193	0	%100
99	MP4C	X	-4.153	-4.153	0	%100
100	MP4C	Z	7.193	7.193	0	%100
101	MP1B	X	-4.153	-4.153	0	%100
102	MP1B	Z	7.193	7.193	0	%100
103	MP2B	X	-4.153	-4.153	0	%100
104	MP2B	Z	7.193	7.193	0	%100
105	MP3B	X	-4.153	-4.153	0	%100
106	MP3B	Z	7.193	7.193	0	%100
107	MP4B	X	-4.153	-4.153	0	%100
108	MP4B	Z	7.193	7.193	0	%100
109	M121A	X	-3.753	-3.753	0	%100
110	M121A	Z	6.5	6.5	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	-3.753	-3.753	0	%100
114	M123A	Z	6.5	6.5	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	M101	X	-8.807	-8.807	0	%100
2	M101	Z	5.085	5.085	0	%100
3	M102	X	-2.278	-2.278	0	%100
4	M102	Z	1.315	1.315	0	%100
5	M111	X	-2.278	-2.278	0	%100
6	M111	Z	1.315	1.315	0	%100
7	M112	X	-4.543	-4.543	0	%100
8	M112	Z	2.623	2.623	0	%100
9	M115	X	-2.523	-2.523	0	%100
10	M115	Z	1.456	1.456	0	%100
11	M116	X	-10.09	-10.09	0	%100
12	M116	Z	5.825	5.825	0	%100
13	M120	X	-13.628	-13.628	0	%100
14	M120	Z	7.868	7.868	0	%100
15	M121	X	-4.627	-4.627	0	%100
16	M121	Z	2.671	2.671	0	%100
17	M123	X	-4.873	-4.873	0	%100
18	M123	Z	2.814	2.814	0	%100
19	M125	X	-13.628	-13.628	0	%100
20	M125	Z	7.868	7.868	0	%100
21	M126	X	-18.508	-18.508	0	%100
22	M126	Z	10.685	10.685	0	%100
23	M128	X	-19.494	-19.494	0	%100
24	M128	Z	11.255	11.255	0	%100
25	M133	X	-8.807	-8.807	0	%100
26	M133	Z	5.085	5.085	0	%100
27	M134	X	-2.278	-2.278	0	%100
28	M134	Z	1.315	1.315	0	%100
29	M135	X	-2.278	-2.278	0	%100
30	M135	Z	1.315	1.315	0	%100
31	M136	X	-4.543	-4.543	0	%100
32	M136	Z	2.623	2.623	0	%100
33	M139	X	-10.09	-10.09	0	%100
34	M139	Z	5.825	5.825	0	%100
35	M140	X	-2.523	-2.523	0	%100
36	M140	Z	1.456	1.456	0	%100
37	M144	X	-13.628	-13.628	0	%100
38	M144	Z	7.868	7.868	0	%100
39	M145	X	-18.508	-18.508	0	%100
40	M145	Z	10.685	10.685	0	%100
41	M147	X	-19.494	-19.494	0	%100
42	M147	Z	11.255	11.255	0	%100
43	M149	X	-13.628	-13.628	0	%100
44	M149	Z	7.868	7.868	0	%100
45	M150	X	-4.627	-4.627	0	%100
46	M150	Z	2.671	2.671	0	%100
47	M152	X	-4.873	-4.873	0	%100
48	M152	Z	2.814	2.814	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	-9.11	-9.11	0	%100
52	M158	Z	5.26	5.26	0	%100
53	M159	X	-9.11	-9.11	0	%100
54	M159	Z	5.26	5.26	0	%100
55	M160	X	-18.171	-18.171	0	%100
56	M160	Z	10.491	10.491	0	%100
57	M163	X	-2.523	-2.523	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	M163	Z	1.456	1.456	0	%100
59	M164	X	-2.523	-2.523	0	%100
60	M164	Z	1.456	1.456	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-4.627	-4.627	0	%100
64	M169	Z	2.671	2.671	0	%100
65	M171	X	-4.873	-4.873	0	%100
66	M171	Z	2.814	2.814	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	-4.627	-4.627	0	%100
70	M174	Z	2.671	2.671	0	%100
71	M176	X	-4.873	-4.873	0	%100
72	M176	Z	2.814	2.814	0	%100
73	M181	X	-2.65	-2.65	0	%100
74	M181	Z	1.53	1.53	0	%100
75	M106	X	-10.6	-10.6	0	%100
76	M106	Z	6.12	6.12	0	%100
77	M108	X	-2.65	-2.65	0	%100
78	M108	Z	1.53	1.53	0	%100
79	M84	X	-2.65	-2.65	0	%100
80	M84	Z	1.53	1.53	0	%100
81	M88	X	-10.6	-10.6	0	%100
82	M88	Z	6.12	6.12	0	%100
83	M89	X	-2.65	-2.65	0	%100
84	M89	Z	1.53	1.53	0	%100
85	MP1A	X	-7.193	-7.193	0	%100
86	MP1A	Z	4.153	4.153	0	%100
87	MP2A	X	-7.193	-7.193	0	%100
88	MP2A	Z	4.153	4.153	0	%100
89	MP3A	X	-7.193	-7.193	0	%100
90	MP3A	Z	4.153	4.153	0	%100
91	MP4A	X	-7.193	-7.193	0	%100
92	MP4A	Z	4.153	4.153	0	%100
93	MP1C	X	-7.193	-7.193	0	%100
94	MP1C	Z	4.153	4.153	0	%100
95	MP2C	X	-7.193	-7.193	0	%100
96	MP2C	Z	4.153	4.153	0	%100
97	MP3C	X	-7.193	-7.193	0	%100
98	MP3C	Z	4.153	4.153	0	%100
99	MP4C	X	-7.193	-7.193	0	%100
100	MP4C	Z	4.153	4.153	0	%100
101	MP1B	X	-7.193	-7.193	0	%100
102	MP1B	Z	4.153	4.153	0	%100
103	MP2B	X	-7.193	-7.193	0	%100
104	MP2B	Z	4.153	4.153	0	%100
105	MP3B	X	-7.193	-7.193	0	%100
106	MP3B	Z	4.153	4.153	0	%100
107	MP4B	X	-7.193	-7.193	0	%100
108	MP4B	Z	4.153	4.153	0	%100
109	M121A	X	-8.667	-8.667	0	%100
110	M121A	Z	5.004	5.004	0	%100
111	M122A	X	-2.167	-2.167	0	%100
112	M122A	Z	1.251	1.251	0	%100
113	M123A	X	-2.167	-2.167	0	%100
114	M123A	Z	1.251	1.251	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	M101	X	-3.39	-3.39	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-7.89	-7.89	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	-7.89	-7.89	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	-15.737	-15.737	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	-8.738	-8.738	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-5.246	-5.246	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	-5.246	-5.246	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-16.028	-16.028	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	-16.882	-16.882	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-13.559	-13.559	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	-8.738	-8.738	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-8.738	-8.738	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-20.982	-20.982	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	-16.028	-16.028	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	-16.882	-16.882	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-20.982	-20.982	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	-16.028	-16.028	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	-16.882	-16.882	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-3.39	-3.39	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	-7.89	-7.89	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	-7.89	-7.89	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	-15.737	-15.737	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-8.738	-8.738	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	-5.246	-5.246	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-16.028	-16.028	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	-16.882	-16.882	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-5.246	-5.246	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	-9.18	-9.18	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-9.18	-9.18	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	-9.18	-9.18	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-9.18	-9.18	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-8.305	-8.305	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-8.305	-8.305	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-8.305	-8.305	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-8.305	-8.305	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-8.305	-8.305	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-8.305	-8.305	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-8.305	-8.305	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-8.305	-8.305	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-8.305	-8.305	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-8.305	-8.305	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-8.305	-8.305	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-8.305	-8.305	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	-7.505	-7.505	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	-7.505	-7.505	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-9.11	-9.11	0	%100
4	M102	Z	-5.26	-5.26	0	%100
5	M111	X	-9.11	-9.11	0	%100
6	M111	Z	-5.26	-5.26	0	%100
7	M112	X	-18.171	-18.171	0	%100
8	M112	Z	-10.491	-10.491	0	%100
9	M115	X	-2.523	-2.523	0	%100
10	M115	Z	-1.456	-1.456	0	%100
11	M116	X	-2.523	-2.523	0	%100
12	M116	Z	-1.456	-1.456	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	-4.627	-4.627	0	%100
16	M121	Z	-2.671	-2.671	0	%100
17	M123	X	-4.873	-4.873	0	%100
18	M123	Z	-2.814	-2.814	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-4.627	-4.627	0	%100
22	M126	Z	-2.671	-2.671	0	%100
23	M128	X	-4.873	-4.873	0	%100
24	M128	Z	-2.814	-2.814	0	%100
25	M133	X	-8.807	-8.807	0	%100
26	M133	Z	-5.085	-5.085	0	%100
27	M134	X	-2.278	-2.278	0	%100
28	M134	Z	-1.315	-1.315	0	%100
29	M135	X	-2.278	-2.278	0	%100
30	M135	Z	-1.315	-1.315	0	%100
31	M136	X	-4.543	-4.543	0	%100
32	M136	Z	-2.623	-2.623	0	%100
33	M139	X	-2.523	-2.523	0	%100
34	M139	Z	-1.456	-1.456	0	%100
35	M140	X	-10.09	-10.09	0	%100
36	M140	Z	-5.825	-5.825	0	%100
37	M144	X	-13.628	-13.628	0	%100
38	M144	Z	-7.868	-7.868	0	%100
39	M145	X	-4.627	-4.627	0	%100
40	M145	Z	-2.671	-2.671	0	%100
41	M147	X	-4.873	-4.873	0	%100
42	M147	Z	-2.814	-2.814	0	%100
43	M149	X	-13.628	-13.628	0	%100
44	M149	Z	-7.868	-7.868	0	%100
45	M150	X	-18.508	-18.508	0	%100
46	M150	Z	-10.685	-10.685	0	%100
47	M152	X	-19.494	-19.494	0	%100
48	M152	Z	-11.255	-11.255	0	%100
49	M157	X	-8.807	-8.807	0	%100
50	M157	Z	-5.085	-5.085	0	%100
51	M158	X	-2.278	-2.278	0	%100
52	M158	Z	-1.315	-1.315	0	%100
53	M159	X	-2.278	-2.278	0	%100
54	M159	Z	-1.315	-1.315	0	%100
55	M160	X	-4.543	-4.543	0	%100
56	M160	Z	-2.623	-2.623	0	%100
57	M163	X	-10.09	-10.09	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,%]
58	M163	Z	-5.825	-5.825	0	%100
59	M164	X	-2.523	-2.523	0	%100
60	M164	Z	-1.456	-1.456	0	%100
61	M168	X	-13.628	-13.628	0	%100
62	M168	Z	-7.868	-7.868	0	%100
63	M169	X	-18.508	-18.508	0	%100
64	M169	Z	-10.685	-10.685	0	%100
65	M171	X	-19.494	-19.494	0	%100
66	M171	Z	-11.255	-11.255	0	%100
67	M173	X	-13.628	-13.628	0	%100
68	M173	Z	-7.868	-7.868	0	%100
69	M174	X	-4.627	-4.627	0	%100
70	M174	Z	-2.671	-2.671	0	%100
71	M176	X	-4.873	-4.873	0	%100
72	M176	Z	-2.814	-2.814	0	%100
73	M181	X	-2.65	-2.65	0	%100
74	M181	Z	-1.53	-1.53	0	%100
75	M106	X	-2.65	-2.65	0	%100
76	M106	Z	-1.53	-1.53	0	%100
77	M108	X	-10.6	-10.6	0	%100
78	M108	Z	-6.12	-6.12	0	%100
79	M84	X	-2.65	-2.65	0	%100
80	M84	Z	-1.53	-1.53	0	%100
81	M88	X	-2.65	-2.65	0	%100
82	M88	Z	-1.53	-1.53	0	%100
83	M89	X	-10.6	-10.6	0	%100
84	M89	Z	-6.12	-6.12	0	%100
85	MP1A	X	-7.193	-7.193	0	%100
86	MP1A	Z	-4.153	-4.153	0	%100
87	MP2A	X	-7.193	-7.193	0	%100
88	MP2A	Z	-4.153	-4.153	0	%100
89	MP3A	X	-7.193	-7.193	0	%100
90	MP3A	Z	-4.153	-4.153	0	%100
91	MP4A	X	-7.193	-7.193	0	%100
92	MP4A	Z	-4.153	-4.153	0	%100
93	MP1C	X	-7.193	-7.193	0	%100
94	MP1C	Z	-4.153	-4.153	0	%100
95	MP2C	X	-7.193	-7.193	0	%100
96	MP2C	Z	-4.153	-4.153	0	%100
97	MP3C	X	-7.193	-7.193	0	%100
98	MP3C	Z	-4.153	-4.153	0	%100
99	MP4C	X	-7.193	-7.193	0	%100
100	MP4C	Z	-4.153	-4.153	0	%100
101	MP1B	X	-7.193	-7.193	0	%100
102	MP1B	Z	-4.153	-4.153	0	%100
103	MP2B	X	-7.193	-7.193	0	%100
104	MP2B	Z	-4.153	-4.153	0	%100
105	MP3B	X	-7.193	-7.193	0	%100
106	MP3B	Z	-4.153	-4.153	0	%100
107	MP4B	X	-7.193	-7.193	0	%100
108	MP4B	Z	-4.153	-4.153	0	%100
109	M121A	X	-2.167	-2.167	0	%100
110	M121A	Z	-1.251	-1.251	0	%100
111	M122A	X	-8.667	-8.667	0	%100
112	M122A	Z	-5.004	-5.004	0	%100
113	M123A	X	-2.167	-2.167	0	%100
114	M123A	Z	-1.251	-1.251	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	M101	X	-1.695	-1.695	0	%100
2	M101	Z	-2.936	-2.936	0	%100
3	M102	X	-3.945	-3.945	0	%100
4	M102	Z	-6.833	-6.833	0	%100
5	M111	X	-3.945	-3.945	0	%100
6	M111	Z	-6.833	-6.833	0	%100
7	M112	X	-7.868	-7.868	0	%100
8	M112	Z	-13.628	-13.628	0	%100
9	M115	X	-4.369	-4.369	0	%100
10	M115	Z	-7.568	-7.568	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-2.623	-2.623	0	%100
14	M120	Z	-4.543	-4.543	0	%100
15	M121	X	-8.014	-8.014	0	%100
16	M121	Z	-13.881	-13.881	0	%100
17	M123	X	-8.441	-8.441	0	%100
18	M123	Z	-14.62	-14.62	0	%100
19	M125	X	-2.623	-2.623	0	%100
20	M125	Z	-4.543	-4.543	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-1.695	-1.695	0	%100
26	M133	Z	-2.936	-2.936	0	%100
27	M134	X	-3.945	-3.945	0	%100
28	M134	Z	-6.833	-6.833	0	%100
29	M135	X	-3.945	-3.945	0	%100
30	M135	Z	-6.833	-6.833	0	%100
31	M136	X	-7.868	-7.868	0	%100
32	M136	Z	-13.628	-13.628	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-4.369	-4.369	0	%100
36	M140	Z	-7.568	-7.568	0	%100
37	M144	X	-2.623	-2.623	0	%100
38	M144	Z	-4.543	-4.543	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-2.623	-2.623	0	%100
44	M149	Z	-4.543	-4.543	0	%100
45	M150	X	-8.014	-8.014	0	%100
46	M150	Z	-13.881	-13.881	0	%100
47	M152	X	-8.441	-8.441	0	%100
48	M152	Z	-14.62	-14.62	0	%100
49	M157	X	-6.78	-6.78	0	%100
50	M157	Z	-11.743	-11.743	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-4.369	-4.369	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,%]
58	M163	Z	-7.568	-7.568	0	%100
59	M164	X	-4.369	-4.369	0	%100
60	M164	Z	-7.568	-7.568	0	%100
61	M168	X	-10.491	-10.491	0	%100
62	M168	Z	-18.171	-18.171	0	%100
63	M169	X	-8.014	-8.014	0	%100
64	M169	Z	-13.881	-13.881	0	%100
65	M171	X	-8.441	-8.441	0	%100
66	M171	Z	-14.62	-14.62	0	%100
67	M173	X	-10.491	-10.491	0	%100
68	M173	Z	-18.171	-18.171	0	%100
69	M174	X	-8.014	-8.014	0	%100
70	M174	Z	-13.881	-13.881	0	%100
71	M176	X	-8.441	-8.441	0	%100
72	M176	Z	-14.62	-14.62	0	%100
73	M181	X	-4.59	-4.59	0	%100
74	M181	Z	-7.95	-7.95	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-4.59	-4.59	0	%100
78	M108	Z	-7.95	-7.95	0	%100
79	M84	X	-4.59	-4.59	0	%100
80	M84	Z	-7.95	-7.95	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-4.59	-4.59	0	%100
84	M89	Z	-7.95	-7.95	0	%100
85	MP1A	X	-4.153	-4.153	0	%100
86	MP1A	Z	-7.193	-7.193	0	%100
87	MP2A	X	-4.153	-4.153	0	%100
88	MP2A	Z	-7.193	-7.193	0	%100
89	MP3A	X	-4.153	-4.153	0	%100
90	MP3A	Z	-7.193	-7.193	0	%100
91	MP4A	X	-4.153	-4.153	0	%100
92	MP4A	Z	-7.193	-7.193	0	%100
93	MP1C	X	-4.153	-4.153	0	%100
94	MP1C	Z	-7.193	-7.193	0	%100
95	MP2C	X	-4.153	-4.153	0	%100
96	MP2C	Z	-7.193	-7.193	0	%100
97	MP3C	X	-4.153	-4.153	0	%100
98	MP3C	Z	-7.193	-7.193	0	%100
99	MP4C	X	-4.153	-4.153	0	%100
100	MP4C	Z	-7.193	-7.193	0	%100
101	MP1B	X	-4.153	-4.153	0	%100
102	MP1B	Z	-7.193	-7.193	0	%100
103	MP2B	X	-4.153	-4.153	0	%100
104	MP2B	Z	-7.193	-7.193	0	%100
105	MP3B	X	-4.153	-4.153	0	%100
106	MP3B	Z	-7.193	-7.193	0	%100
107	MP4B	X	-4.153	-4.153	0	%100
108	MP4B	Z	-7.193	-7.193	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	-3.753	-3.753	0	%100
112	M122A	Z	-6.5	-6.5	0	%100
113	M123A	X	-3.753	-3.753	0	%100
114	M123A	Z	-6.5	-6.5	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	M101	X	0	0	0	%100
2	M101	Z	-2.577	-2.577	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	-.665	-.665	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	-.665	-.665	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	-1.041	-1.041	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	-3.062	-3.062	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	-.765	-.765	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	-3.072	-3.072	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	-4.158	-4.158	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	-4.34	-4.34	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	-3.072	-3.072	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	-1.04	-1.04	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	-1.085	-1.085	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	-2.659	-2.659	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	-2.659	-2.659	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	-4.166	-4.166	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	-.765	-.765	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	-.765	-.765	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	-1.04	-1.04	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	-1.085	-1.085	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	-1.04	-1.04	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	-1.085	-1.085	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	-2.577	-2.577	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	-.665	-.665	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	-.665	-.665	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	-1.041	-1.041	0	%100
57	M163	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,%]
58	M163	Z	-.765	-.765	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	-3.062	-3.062	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	-3.072	-3.072	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	-1.04	-1.04	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	-1.085	-1.085	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	-3.072	-3.072	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	-4.158	-4.158	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	-4.34	-4.34	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	-3.225	-3.225	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-.806	-.806	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	-.806	-.806	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	-3.225	-3.225	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	-.806	-.806	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	-.806	-.806	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-2.596	-2.596	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-2.596	-2.596	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-2.596	-2.596	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-2.596	-2.596	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-2.596	-2.596	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-2.596	-2.596	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-2.596	-2.596	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-2.596	-2.596	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-2.596	-2.596	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-2.596	-2.596	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-2.596	-2.596	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-2.596	-2.596	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	-.612	-.612	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	-.612	-.612	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	-2.447	-2.447	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	M101	X	1.718	1.718	0	%100
2	M101	Z	-2.976	-2.976	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	1.148	1.148	0	%100
10	M115	Z	-1.989	-1.989	0	%100
11	M116	X	1.148	1.148	0	%100
12	M116	Z	-1.989	-1.989	0	%100
13	M120	X	2.048	2.048	0	%100
14	M120	Z	-3.547	-3.547	0	%100
15	M121	X	1.559	1.559	0	%100
16	M121	Z	-2.701	-2.701	0	%100
17	M123	X	1.628	1.628	0	%100
18	M123	Z	-2.819	-2.819	0	%100
19	M125	X	2.048	2.048	0	%100
20	M125	Z	-3.547	-3.547	0	%100
21	M126	X	1.559	1.559	0	%100
22	M126	Z	-2.701	-2.701	0	%100
23	M128	X	1.628	1.628	0	%100
24	M128	Z	-2.819	-2.819	0	%100
25	M133	X	.43	.43	0	%100
26	M133	Z	-.744	-.744	0	%100
27	M134	X	.997	.997	0	%100
28	M134	Z	-1.727	-1.727	0	%100
29	M135	X	.997	.997	0	%100
30	M135	Z	-1.727	-1.727	0	%100
31	M136	X	1.562	1.562	0	%100
32	M136	Z	-2.706	-2.706	0	%100
33	M139	X	1.148	1.148	0	%100
34	M139	Z	-1.989	-1.989	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	.512	.512	0	%100
38	M144	Z	-.887	-.887	0	%100
39	M145	X	1.559	1.559	0	%100
40	M145	Z	-2.701	-2.701	0	%100
41	M147	X	1.628	1.628	0	%100
42	M147	Z	-2.819	-2.819	0	%100
43	M149	X	.512	.512	0	%100
44	M149	Z	-.887	-.887	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.43	.43	0	%100
50	M157	Z	-.744	-.744	0	%100
51	M158	X	.997	.997	0	%100
52	M158	Z	-1.727	-1.727	0	%100
53	M159	X	.997	.997	0	%100
54	M159	Z	-1.727	-1.727	0	%100
55	M160	X	1.562	1.562	0	%100
56	M160	Z	-2.706	-2.706	0	%100
57	M163	X	0	0	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	1.148	1.148	0	%100
60	M164	Z	-1.989	-1.989	0	%100
61	M168	X	.512	.512	0	%100
62	M168	Z	-.887	-.887	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	.512	.512	0	%100
68	M173	Z	-.887	-.887	0	%100
69	M174	X	1.559	1.559	0	%100
70	M174	Z	-2.701	-2.701	0	%100
71	M176	X	1.628	1.628	0	%100
72	M176	Z	-2.819	-2.819	0	%100
73	M181	X	1.209	1.209	0	%100
74	M181	Z	-2.095	-2.095	0	%100
75	M106	X	1.209	1.209	0	%100
76	M106	Z	-2.095	-2.095	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	1.209	1.209	0	%100
80	M84	Z	-2.095	-2.095	0	%100
81	M88	X	1.209	1.209	0	%100
82	M88	Z	-2.095	-2.095	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	1.298	1.298	0	%100
86	MP1A	Z	-2.248	-2.248	0	%100
87	MP2A	X	1.298	1.298	0	%100
88	MP2A	Z	-2.248	-2.248	0	%100
89	MP3A	X	1.298	1.298	0	%100
90	MP3A	Z	-2.248	-2.248	0	%100
91	MP4A	X	1.298	1.298	0	%100
92	MP4A	Z	-2.248	-2.248	0	%100
93	MP1C	X	1.298	1.298	0	%100
94	MP1C	Z	-2.248	-2.248	0	%100
95	MP2C	X	1.298	1.298	0	%100
96	MP2C	Z	-2.248	-2.248	0	%100
97	MP3C	X	1.298	1.298	0	%100
98	MP3C	Z	-2.248	-2.248	0	%100
99	MP4C	X	1.298	1.298	0	%100
100	MP4C	Z	-2.248	-2.248	0	%100
101	MP1B	X	1.298	1.298	0	%100
102	MP1B	Z	-2.248	-2.248	0	%100
103	MP2B	X	1.298	1.298	0	%100
104	MP2B	Z	-2.248	-2.248	0	%100
105	MP3B	X	1.298	1.298	0	%100
106	MP3B	Z	-2.248	-2.248	0	%100
107	MP4B	X	1.298	1.298	0	%100
108	MP4B	Z	-2.248	-2.248	0	%100
109	M121A	X	.918	.918	0	%100
110	M121A	Z	-1.59	-1.59	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	.918	.918	0	%100
114	M123A	Z	-1.59	-1.59	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	M101	X	2.232	2.232	0	%100
2	M101	Z	-1.289	-1.289	0	%100
3	M102	X	.576	.576	0	%100
4	M102	Z	-.332	-.332	0	%100
5	M111	X	.576	.576	0	%100
6	M111	Z	-.332	-.332	0	%100
7	M112	X	.902	.902	0	%100
8	M112	Z	-.521	-.521	0	%100
9	M115	X	.663	.663	0	%100
10	M115	Z	-.383	-.383	0	%100
11	M116	X	2.652	2.652	0	%100
12	M116	Z	-1.531	-1.531	0	%100
13	M120	X	2.66	2.66	0	%100
14	M120	Z	-1.536	-1.536	0	%100
15	M121	X	.9	.9	0	%100
16	M121	Z	-.52	-.52	0	%100
17	M123	X	.94	.94	0	%100
18	M123	Z	-.543	-.543	0	%100
19	M125	X	2.66	2.66	0	%100
20	M125	Z	-1.536	-1.536	0	%100
21	M126	X	3.601	3.601	0	%100
22	M126	Z	-2.079	-2.079	0	%100
23	M128	X	3.759	3.759	0	%100
24	M128	Z	-2.17	-2.17	0	%100
25	M133	X	2.232	2.232	0	%100
26	M133	Z	-1.289	-1.289	0	%100
27	M134	X	.576	.576	0	%100
28	M134	Z	-.332	-.332	0	%100
29	M135	X	.576	.576	0	%100
30	M135	Z	-.332	-.332	0	%100
31	M136	X	.902	.902	0	%100
32	M136	Z	-.521	-.521	0	%100
33	M139	X	2.652	2.652	0	%100
34	M139	Z	-1.531	-1.531	0	%100
35	M140	X	.663	.663	0	%100
36	M140	Z	-.383	-.383	0	%100
37	M144	X	2.66	2.66	0	%100
38	M144	Z	-1.536	-1.536	0	%100
39	M145	X	3.601	3.601	0	%100
40	M145	Z	-2.079	-2.079	0	%100
41	M147	X	3.759	3.759	0	%100
42	M147	Z	-2.17	-2.17	0	%100
43	M149	X	2.66	2.66	0	%100
44	M149	Z	-1.536	-1.536	0	%100
45	M150	X	.9	.9	0	%100
46	M150	Z	-.52	-.52	0	%100
47	M152	X	.94	.94	0	%100
48	M152	Z	-.543	-.543	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	2.302	2.302	0	%100
52	M158	Z	-1.329	-1.329	0	%100
53	M159	X	2.302	2.302	0	%100
54	M159	Z	-1.329	-1.329	0	%100
55	M160	X	3.608	3.608	0	%100
56	M160	Z	-2.083	-2.083	0	%100
57	M163	X	.663	.663	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,%]
58	M163	Z	-.383	-.383	0	%100
59	M164	X	.663	.663	0	%100
60	M164	Z	-.383	-.383	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	.9	.9	0	%100
64	M169	Z	-.52	-.52	0	%100
65	M171	X	.94	.94	0	%100
66	M171	Z	-.543	-.543	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	.9	.9	0	%100
70	M174	Z	-.52	-.52	0	%100
71	M176	X	.94	.94	0	%100
72	M176	Z	-.543	-.543	0	%100
73	M181	X	.698	.698	0	%100
74	M181	Z	-.403	-.403	0	%100
75	M106	X	2.793	2.793	0	%100
76	M106	Z	-1.613	-1.613	0	%100
77	M108	X	.698	.698	0	%100
78	M108	Z	-.403	-.403	0	%100
79	M84	X	.698	.698	0	%100
80	M84	Z	-.403	-.403	0	%100
81	M88	X	2.793	2.793	0	%100
82	M88	Z	-1.613	-1.613	0	%100
83	M89	X	.698	.698	0	%100
84	M89	Z	-.403	-.403	0	%100
85	MP1A	X	2.248	2.248	0	%100
86	MP1A	Z	-1.298	-1.298	0	%100
87	MP2A	X	2.248	2.248	0	%100
88	MP2A	Z	-1.298	-1.298	0	%100
89	MP3A	X	2.248	2.248	0	%100
90	MP3A	Z	-1.298	-1.298	0	%100
91	MP4A	X	2.248	2.248	0	%100
92	MP4A	Z	-1.298	-1.298	0	%100
93	MP1C	X	2.248	2.248	0	%100
94	MP1C	Z	-1.298	-1.298	0	%100
95	MP2C	X	2.248	2.248	0	%100
96	MP2C	Z	-1.298	-1.298	0	%100
97	MP3C	X	2.248	2.248	0	%100
98	MP3C	Z	-1.298	-1.298	0	%100
99	MP4C	X	2.248	2.248	0	%100
100	MP4C	Z	-1.298	-1.298	0	%100
101	MP1B	X	2.248	2.248	0	%100
102	MP1B	Z	-1.298	-1.298	0	%100
103	MP2B	X	2.248	2.248	0	%100
104	MP2B	Z	-1.298	-1.298	0	%100
105	MP3B	X	2.248	2.248	0	%100
106	MP3B	Z	-1.298	-1.298	0	%100
107	MP4B	X	2.248	2.248	0	%100
108	MP4B	Z	-1.298	-1.298	0	%100
109	M121A	X	2.12	2.12	0	%100
110	M121A	Z	-1.224	-1.224	0	%100
111	M122A	X	.53	.53	0	%100
112	M122A	Z	-.306	-.306	0	%100
113	M123A	X	.53	.53	0	%100
114	M123A	Z	-.306	-.306	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	M101	X	.859	.859	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	1.994	1.994	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	1.994	1.994	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	3.124	3.124	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	2.296	2.296	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	1.024	1.024	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	1.024	1.024	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	3.119	3.119	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	3.255	3.255	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	3.436	3.436	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	2.296	2.296	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	2.296	2.296	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	4.096	4.096	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	3.119	3.119	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	3.255	3.255	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	4.096	4.096	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	3.119	3.119	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	3.255	3.255	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.859	.859	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	1.994	1.994	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	1.994	1.994	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	3.124	3.124	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	2.296	2.296	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	1.024	1.024	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	3.119	3.119	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	3.255	3.255	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	1.024	1.024	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	2.419	2.419	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	2.419	2.419	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	2.419	2.419	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	2.419	2.419	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	2.596	2.596	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	2.596	2.596	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	2.596	2.596	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	2.596	2.596	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	2.596	2.596	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	2.596	2.596	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	2.596	2.596	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	2.596	2.596	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	2.596	2.596	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	2.596	2.596	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	2.596	2.596	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	2.596	2.596	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	1.836	1.836	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	1.836	1.836	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	2.302	2.302	0	%100
4	M102	Z	1.329	1.329	0	%100
5	M111	X	2.302	2.302	0	%100
6	M111	Z	1.329	1.329	0	%100
7	M112	X	3.608	3.608	0	%100
8	M112	Z	2.083	2.083	0	%100
9	M115	X	.663	.663	0	%100
10	M115	Z	.383	.383	0	%100
11	M116	X	.663	.663	0	%100
12	M116	Z	.383	.383	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	.9	.9	0	%100
16	M121	Z	.52	.52	0	%100
17	M123	X	.94	.94	0	%100
18	M123	Z	.543	.543	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	.9	.9	0	%100
22	M126	Z	.52	.52	0	%100
23	M128	X	.94	.94	0	%100
24	M128	Z	.543	.543	0	%100
25	M133	X	2.232	2.232	0	%100
26	M133	Z	1.289	1.289	0	%100
27	M134	X	.576	.576	0	%100
28	M134	Z	.332	.332	0	%100
29	M135	X	.576	.576	0	%100
30	M135	Z	.332	.332	0	%100
31	M136	X	.902	.902	0	%100
32	M136	Z	.521	.521	0	%100
33	M139	X	.663	.663	0	%100
34	M139	Z	.383	.383	0	%100
35	M140	X	2.652	2.652	0	%100
36	M140	Z	1.531	1.531	0	%100
37	M144	X	2.66	2.66	0	%100
38	M144	Z	1.536	1.536	0	%100
39	M145	X	.9	.9	0	%100
40	M145	Z	.52	.52	0	%100
41	M147	X	.94	.94	0	%100
42	M147	Z	.543	.543	0	%100
43	M149	X	2.66	2.66	0	%100
44	M149	Z	1.536	1.536	0	%100
45	M150	X	3.601	3.601	0	%100
46	M150	Z	2.079	2.079	0	%100
47	M152	X	3.759	3.759	0	%100
48	M152	Z	2.17	2.17	0	%100
49	M157	X	2.232	2.232	0	%100
50	M157	Z	1.289	1.289	0	%100
51	M158	X	.576	.576	0	%100
52	M158	Z	.332	.332	0	%100
53	M159	X	.576	.576	0	%100
54	M159	Z	.332	.332	0	%100
55	M160	X	.902	.902	0	%100
56	M160	Z	.521	.521	0	%100
57	M163	X	2.652	2.652	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,%]
58	M163	Z	1.531	1.531	0	%100
59	M164	X	.663	.663	0	%100
60	M164	Z	.383	.383	0	%100
61	M168	X	2.66	2.66	0	%100
62	M168	Z	1.536	1.536	0	%100
63	M169	X	3.601	3.601	0	%100
64	M169	Z	2.079	2.079	0	%100
65	M171	X	3.759	3.759	0	%100
66	M171	Z	2.17	2.17	0	%100
67	M173	X	2.66	2.66	0	%100
68	M173	Z	1.536	1.536	0	%100
69	M174	X	.9	.9	0	%100
70	M174	Z	.52	.52	0	%100
71	M176	X	.94	.94	0	%100
72	M176	Z	.543	.543	0	%100
73	M181	X	.698	.698	0	%100
74	M181	Z	.403	.403	0	%100
75	M106	X	.698	.698	0	%100
76	M106	Z	.403	.403	0	%100
77	M108	X	2.793	2.793	0	%100
78	M108	Z	1.613	1.613	0	%100
79	M84	X	.698	.698	0	%100
80	M84	Z	.403	.403	0	%100
81	M88	X	.698	.698	0	%100
82	M88	Z	.403	.403	0	%100
83	M89	X	2.793	2.793	0	%100
84	M89	Z	1.613	1.613	0	%100
85	MP1A	X	2.248	2.248	0	%100
86	MP1A	Z	1.298	1.298	0	%100
87	MP2A	X	2.248	2.248	0	%100
88	MP2A	Z	1.298	1.298	0	%100
89	MP3A	X	2.248	2.248	0	%100
90	MP3A	Z	1.298	1.298	0	%100
91	MP4A	X	2.248	2.248	0	%100
92	MP4A	Z	1.298	1.298	0	%100
93	MP1C	X	2.248	2.248	0	%100
94	MP1C	Z	1.298	1.298	0	%100
95	MP2C	X	2.248	2.248	0	%100
96	MP2C	Z	1.298	1.298	0	%100
97	MP3C	X	2.248	2.248	0	%100
98	MP3C	Z	1.298	1.298	0	%100
99	MP4C	X	2.248	2.248	0	%100
100	MP4C	Z	1.298	1.298	0	%100
101	MP1B	X	2.248	2.248	0	%100
102	MP1B	Z	1.298	1.298	0	%100
103	MP2B	X	2.248	2.248	0	%100
104	MP2B	Z	1.298	1.298	0	%100
105	MP3B	X	2.248	2.248	0	%100
106	MP3B	Z	1.298	1.298	0	%100
107	MP4B	X	2.248	2.248	0	%100
108	MP4B	Z	1.298	1.298	0	%100
109	M121A	X	.53	.53	0	%100
110	M121A	Z	.306	.306	0	%100
111	M122A	X	2.12	2.12	0	%100
112	M122A	Z	1.224	1.224	0	%100
113	M123A	X	.53	.53	0	%100
114	M123A	Z	.306	.306	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	M101	X	.43	.43	0	%100
2	M101	Z	.744	.744	0	%100
3	M102	X	.997	.997	0	%100
4	M102	Z	1.727	1.727	0	%100
5	M111	X	.997	.997	0	%100
6	M111	Z	1.727	1.727	0	%100
7	M112	X	1.562	1.562	0	%100
8	M112	Z	2.706	2.706	0	%100
9	M115	X	1.148	1.148	0	%100
10	M115	Z	1.989	1.989	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	.512	.512	0	%100
14	M120	Z	.887	.887	0	%100
15	M121	X	1.559	1.559	0	%100
16	M121	Z	2.701	2.701	0	%100
17	M123	X	1.628	1.628	0	%100
18	M123	Z	2.819	2.819	0	%100
19	M125	X	.512	.512	0	%100
20	M125	Z	.887	.887	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	.43	.43	0	%100
26	M133	Z	.744	.744	0	%100
27	M134	X	.997	.997	0	%100
28	M134	Z	1.727	1.727	0	%100
29	M135	X	.997	.997	0	%100
30	M135	Z	1.727	1.727	0	%100
31	M136	X	1.562	1.562	0	%100
32	M136	Z	2.706	2.706	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	1.148	1.148	0	%100
36	M140	Z	1.989	1.989	0	%100
37	M144	X	.512	.512	0	%100
38	M144	Z	.887	.887	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	.512	.512	0	%100
44	M149	Z	.887	.887	0	%100
45	M150	X	1.559	1.559	0	%100
46	M150	Z	2.701	2.701	0	%100
47	M152	X	1.628	1.628	0	%100
48	M152	Z	2.819	2.819	0	%100
49	M157	X	1.718	1.718	0	%100
50	M157	Z	2.976	2.976	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	1.148	1.148	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,%]
58	M163	Z	1.989	1.989	0	%100
59	M164	X	1.148	1.148	0	%100
60	M164	Z	1.989	1.989	0	%100
61	M168	X	2.048	2.048	0	%100
62	M168	Z	3.547	3.547	0	%100
63	M169	X	1.559	1.559	0	%100
64	M169	Z	2.701	2.701	0	%100
65	M171	X	1.628	1.628	0	%100
66	M171	Z	2.819	2.819	0	%100
67	M173	X	2.048	2.048	0	%100
68	M173	Z	3.547	3.547	0	%100
69	M174	X	1.559	1.559	0	%100
70	M174	Z	2.701	2.701	0	%100
71	M176	X	1.628	1.628	0	%100
72	M176	Z	2.819	2.819	0	%100
73	M181	X	1.209	1.209	0	%100
74	M181	Z	2.095	2.095	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	1.209	1.209	0	%100
78	M108	Z	2.095	2.095	0	%100
79	M84	X	1.209	1.209	0	%100
80	M84	Z	2.095	2.095	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	1.209	1.209	0	%100
84	M89	Z	2.095	2.095	0	%100
85	MP1A	X	1.298	1.298	0	%100
86	MP1A	Z	2.248	2.248	0	%100
87	MP2A	X	1.298	1.298	0	%100
88	MP2A	Z	2.248	2.248	0	%100
89	MP3A	X	1.298	1.298	0	%100
90	MP3A	Z	2.248	2.248	0	%100
91	MP4A	X	1.298	1.298	0	%100
92	MP4A	Z	2.248	2.248	0	%100
93	MP1C	X	1.298	1.298	0	%100
94	MP1C	Z	2.248	2.248	0	%100
95	MP2C	X	1.298	1.298	0	%100
96	MP2C	Z	2.248	2.248	0	%100
97	MP3C	X	1.298	1.298	0	%100
98	MP3C	Z	2.248	2.248	0	%100
99	MP4C	X	1.298	1.298	0	%100
100	MP4C	Z	2.248	2.248	0	%100
101	MP1B	X	1.298	1.298	0	%100
102	MP1B	Z	2.248	2.248	0	%100
103	MP2B	X	1.298	1.298	0	%100
104	MP2B	Z	2.248	2.248	0	%100
105	MP3B	X	1.298	1.298	0	%100
106	MP3B	Z	2.248	2.248	0	%100
107	MP4B	X	1.298	1.298	0	%100
108	MP4B	Z	2.248	2.248	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	.918	.918	0	%100
112	M122A	Z	1.59	1.59	0	%100
113	M123A	X	.918	.918	0	%100
114	M123A	Z	1.59	1.59	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	M101	X	0	0	0	%100
2	M101	Z	2.577	2.577	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	.665	.665	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	.665	.665	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	1.041	1.041	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	3.062	3.062	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	.765	.765	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	3.072	3.072	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	4.158	4.158	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	4.34	4.34	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	3.072	3.072	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	1.04	1.04	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	1.085	1.085	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	2.659	2.659	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	2.659	2.659	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	4.166	4.166	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	.765	.765	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	.765	.765	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	1.04	1.04	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	1.085	1.085	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	1.04	1.04	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	1.085	1.085	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	2.577	2.577	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	.665	.665	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	.665	.665	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	1.041	1.041	0	%100
57	M163	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	M163	Z	.765	.765	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	3.062	3.062	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	3.072	3.072	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	1.04	1.04	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	1.085	1.085	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	3.072	3.072	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	4.158	4.158	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	4.34	4.34	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	3.225	3.225	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	.806	.806	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	.806	.806	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	3.225	3.225	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	.806	.806	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	.806	.806	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	2.596	2.596	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	2.596	2.596	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	2.596	2.596	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	2.596	2.596	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	2.596	2.596	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	2.596	2.596	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	2.596	2.596	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	2.596	2.596	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	2.596	2.596	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	2.596	2.596	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	2.596	2.596	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	2.596	2.596	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	.612	.612	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	.612	.612	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	2.447	2.447	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	M101	X	-1.718	-1.718	0	%100
2	M101	Z	2.976	2.976	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	-1.148	-1.148	0	%100
10	M115	Z	1.989	1.989	0	%100
11	M116	X	-1.148	-1.148	0	%100
12	M116	Z	1.989	1.989	0	%100
13	M120	X	-2.048	-2.048	0	%100
14	M120	Z	3.547	3.547	0	%100
15	M121	X	-1.559	-1.559	0	%100
16	M121	Z	2.701	2.701	0	%100
17	M123	X	-1.628	-1.628	0	%100
18	M123	Z	2.819	2.819	0	%100
19	M125	X	-2.048	-2.048	0	%100
20	M125	Z	3.547	3.547	0	%100
21	M126	X	-1.559	-1.559	0	%100
22	M126	Z	2.701	2.701	0	%100
23	M128	X	-1.628	-1.628	0	%100
24	M128	Z	2.819	2.819	0	%100
25	M133	X	-.43	-.43	0	%100
26	M133	Z	.744	.744	0	%100
27	M134	X	-.997	-.997	0	%100
28	M134	Z	1.727	1.727	0	%100
29	M135	X	-.997	-.997	0	%100
30	M135	Z	1.727	1.727	0	%100
31	M136	X	-1.562	-1.562	0	%100
32	M136	Z	2.706	2.706	0	%100
33	M139	X	-1.148	-1.148	0	%100
34	M139	Z	1.989	1.989	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-.512	-.512	0	%100
38	M144	Z	.887	.887	0	%100
39	M145	X	-1.559	-1.559	0	%100
40	M145	Z	2.701	2.701	0	%100
41	M147	X	-1.628	-1.628	0	%100
42	M147	Z	2.819	2.819	0	%100
43	M149	X	-.512	-.512	0	%100
44	M149	Z	.887	.887	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.43	-.43	0	%100
50	M157	Z	.744	.744	0	%100
51	M158	X	-.997	-.997	0	%100
52	M158	Z	1.727	1.727	0	%100
53	M159	X	-.997	-.997	0	%100
54	M159	Z	1.727	1.727	0	%100
55	M160	X	-1.562	-1.562	0	%100
56	M160	Z	2.706	2.706	0	%100
57	M163	X	0	0	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	-1.148	-1.148	0	%100
60	M164	Z	1.989	1.989	0	%100
61	M168	X	-.512	-.512	0	%100
62	M168	Z	.887	.887	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-.512	-.512	0	%100
68	M173	Z	.887	.887	0	%100
69	M174	X	-1.559	-1.559	0	%100
70	M174	Z	2.701	2.701	0	%100
71	M176	X	-1.628	-1.628	0	%100
72	M176	Z	2.819	2.819	0	%100
73	M181	X	-1.209	-1.209	0	%100
74	M181	Z	2.095	2.095	0	%100
75	M106	X	-1.209	-1.209	0	%100
76	M106	Z	2.095	2.095	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	-1.209	-1.209	0	%100
80	M84	Z	2.095	2.095	0	%100
81	M88	X	-1.209	-1.209	0	%100
82	M88	Z	2.095	2.095	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-1.298	-1.298	0	%100
86	MP1A	Z	2.248	2.248	0	%100
87	MP2A	X	-1.298	-1.298	0	%100
88	MP2A	Z	2.248	2.248	0	%100
89	MP3A	X	-1.298	-1.298	0	%100
90	MP3A	Z	2.248	2.248	0	%100
91	MP4A	X	-1.298	-1.298	0	%100
92	MP4A	Z	2.248	2.248	0	%100
93	MP1C	X	-1.298	-1.298	0	%100
94	MP1C	Z	2.248	2.248	0	%100
95	MP2C	X	-1.298	-1.298	0	%100
96	MP2C	Z	2.248	2.248	0	%100
97	MP3C	X	-1.298	-1.298	0	%100
98	MP3C	Z	2.248	2.248	0	%100
99	MP4C	X	-1.298	-1.298	0	%100
100	MP4C	Z	2.248	2.248	0	%100
101	MP1B	X	-1.298	-1.298	0	%100
102	MP1B	Z	2.248	2.248	0	%100
103	MP2B	X	-1.298	-1.298	0	%100
104	MP2B	Z	2.248	2.248	0	%100
105	MP3B	X	-1.298	-1.298	0	%100
106	MP3B	Z	2.248	2.248	0	%100
107	MP4B	X	-1.298	-1.298	0	%100
108	MP4B	Z	2.248	2.248	0	%100
109	M121A	X	-.918	-.918	0	%100
110	M121A	Z	1.59	1.59	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	-.918	-.918	0	%100
114	M123A	Z	1.59	1.59	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	M101	X	-2.232	-2.232	0	%100
2	M101	Z	1.289	1.289	0	%100
3	M102	X	-.576	-.576	0	%100
4	M102	Z	.332	.332	0	%100
5	M111	X	-.576	-.576	0	%100
6	M111	Z	.332	.332	0	%100
7	M112	X	-.902	-.902	0	%100
8	M112	Z	.521	.521	0	%100
9	M115	X	-.663	-.663	0	%100
10	M115	Z	.383	.383	0	%100
11	M116	X	-2.652	-2.652	0	%100
12	M116	Z	1.531	1.531	0	%100
13	M120	X	-2.66	-2.66	0	%100
14	M120	Z	1.536	1.536	0	%100
15	M121	X	-.9	-.9	0	%100
16	M121	Z	.52	.52	0	%100
17	M123	X	-.94	-.94	0	%100
18	M123	Z	.543	.543	0	%100
19	M125	X	-2.66	-2.66	0	%100
20	M125	Z	1.536	1.536	0	%100
21	M126	X	-3.601	-3.601	0	%100
22	M126	Z	2.079	2.079	0	%100
23	M128	X	-3.759	-3.759	0	%100
24	M128	Z	2.17	2.17	0	%100
25	M133	X	-2.232	-2.232	0	%100
26	M133	Z	1.289	1.289	0	%100
27	M134	X	-.576	-.576	0	%100
28	M134	Z	.332	.332	0	%100
29	M135	X	-.576	-.576	0	%100
30	M135	Z	.332	.332	0	%100
31	M136	X	-.902	-.902	0	%100
32	M136	Z	.521	.521	0	%100
33	M139	X	-2.652	-2.652	0	%100
34	M139	Z	1.531	1.531	0	%100
35	M140	X	-.663	-.663	0	%100
36	M140	Z	.383	.383	0	%100
37	M144	X	-2.66	-2.66	0	%100
38	M144	Z	1.536	1.536	0	%100
39	M145	X	-3.601	-3.601	0	%100
40	M145	Z	2.079	2.079	0	%100
41	M147	X	-3.759	-3.759	0	%100
42	M147	Z	2.17	2.17	0	%100
43	M149	X	-2.66	-2.66	0	%100
44	M149	Z	1.536	1.536	0	%100
45	M150	X	-.9	-.9	0	%100
46	M150	Z	.52	.52	0	%100
47	M152	X	-.94	-.94	0	%100
48	M152	Z	.543	.543	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	-2.302	-2.302	0	%100
52	M158	Z	1.329	1.329	0	%100
53	M159	X	-2.302	-2.302	0	%100
54	M159	Z	1.329	1.329	0	%100
55	M160	X	-3.608	-3.608	0	%100
56	M160	Z	2.083	2.083	0	%100
57	M163	X	-.663	-.663	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,%]
58	M163	Z	.383	.383	0	%100
59	M164	X	-.663	-.663	0	%100
60	M164	Z	.383	.383	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-.9	-.9	0	%100
64	M169	Z	.52	.52	0	%100
65	M171	X	-.94	-.94	0	%100
66	M171	Z	.543	.543	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	-.9	-.9	0	%100
70	M174	Z	.52	.52	0	%100
71	M176	X	-.94	-.94	0	%100
72	M176	Z	.543	.543	0	%100
73	M181	X	-.698	-.698	0	%100
74	M181	Z	.403	.403	0	%100
75	M106	X	-2.793	-2.793	0	%100
76	M106	Z	1.613	1.613	0	%100
77	M108	X	-.698	-.698	0	%100
78	M108	Z	.403	.403	0	%100
79	M84	X	-.698	-.698	0	%100
80	M84	Z	.403	.403	0	%100
81	M88	X	-2.793	-2.793	0	%100
82	M88	Z	1.613	1.613	0	%100
83	M89	X	-.698	-.698	0	%100
84	M89	Z	.403	.403	0	%100
85	MP1A	X	-2.248	-2.248	0	%100
86	MP1A	Z	1.298	1.298	0	%100
87	MP2A	X	-2.248	-2.248	0	%100
88	MP2A	Z	1.298	1.298	0	%100
89	MP3A	X	-2.248	-2.248	0	%100
90	MP3A	Z	1.298	1.298	0	%100
91	MP4A	X	-2.248	-2.248	0	%100
92	MP4A	Z	1.298	1.298	0	%100
93	MP1C	X	-2.248	-2.248	0	%100
94	MP1C	Z	1.298	1.298	0	%100
95	MP2C	X	-2.248	-2.248	0	%100
96	MP2C	Z	1.298	1.298	0	%100
97	MP3C	X	-2.248	-2.248	0	%100
98	MP3C	Z	1.298	1.298	0	%100
99	MP4C	X	-2.248	-2.248	0	%100
100	MP4C	Z	1.298	1.298	0	%100
101	MP1B	X	-2.248	-2.248	0	%100
102	MP1B	Z	1.298	1.298	0	%100
103	MP2B	X	-2.248	-2.248	0	%100
104	MP2B	Z	1.298	1.298	0	%100
105	MP3B	X	-2.248	-2.248	0	%100
106	MP3B	Z	1.298	1.298	0	%100
107	MP4B	X	-2.248	-2.248	0	%100
108	MP4B	Z	1.298	1.298	0	%100
109	M121A	X	-2.12	-2.12	0	%100
110	M121A	Z	1.224	1.224	0	%100
111	M122A	X	-.53	-.53	0	%100
112	M122A	Z	.306	.306	0	%100
113	M123A	X	-.53	-.53	0	%100
114	M123A	Z	.306	.306	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	M101	X	-.859	-.859	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-1.994	-1.994	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	-1.994	-1.994	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	-3.124	-3.124	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	-2.296	-2.296	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-1.024	-1.024	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	-1.024	-1.024	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-3.119	-3.119	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	-3.255	-3.255	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-3.436	-3.436	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	-2.296	-2.296	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-2.296	-2.296	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-4.096	-4.096	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	-3.119	-3.119	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	-3.255	-3.255	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-4.096	-4.096	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	-3.119	-3.119	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	-3.255	-3.255	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.859	-.859	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	-1.994	-1.994	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	-1.994	-1.994	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	-3.124	-3.124	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-2.296	-2.296	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	-1.024	-1.024	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-3.119	-3.119	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	-3.255	-3.255	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-1.024	-1.024	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	-2.419	-2.419	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-2.419	-2.419	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	-2.419	-2.419	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-2.419	-2.419	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-2.596	-2.596	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-2.596	-2.596	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-2.596	-2.596	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-2.596	-2.596	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-2.596	-2.596	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-2.596	-2.596	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-2.596	-2.596	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-2.596	-2.596	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-2.596	-2.596	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-2.596	-2.596	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-2.596	-2.596	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-2.596	-2.596	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	-1.836	-1.836	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	-1.836	-1.836	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-2.302	-2.302	0	%100
4	M102	Z	-1.329	-1.329	0	%100
5	M111	X	-2.302	-2.302	0	%100
6	M111	Z	-1.329	-1.329	0	%100
7	M112	X	-3.608	-3.608	0	%100
8	M112	Z	-2.083	-2.083	0	%100
9	M115	X	-.663	-.663	0	%100
10	M115	Z	-.383	-.383	0	%100
11	M116	X	-.663	-.663	0	%100
12	M116	Z	-.383	-.383	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	-.9	-.9	0	%100
16	M121	Z	-.52	-.52	0	%100
17	M123	X	-.94	-.94	0	%100
18	M123	Z	-.543	-.543	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-.9	-.9	0	%100
22	M126	Z	-.52	-.52	0	%100
23	M128	X	-.94	-.94	0	%100
24	M128	Z	-.543	-.543	0	%100
25	M133	X	-2.232	-2.232	0	%100
26	M133	Z	-1.289	-1.289	0	%100
27	M134	X	-.576	-.576	0	%100
28	M134	Z	-.332	-.332	0	%100
29	M135	X	-.576	-.576	0	%100
30	M135	Z	-.332	-.332	0	%100
31	M136	X	-.902	-.902	0	%100
32	M136	Z	-.521	-.521	0	%100
33	M139	X	-.663	-.663	0	%100
34	M139	Z	-.383	-.383	0	%100
35	M140	X	-2.652	-2.652	0	%100
36	M140	Z	-1.531	-1.531	0	%100
37	M144	X	-2.66	-2.66	0	%100
38	M144	Z	-1.536	-1.536	0	%100
39	M145	X	-.9	-.9	0	%100
40	M145	Z	-.52	-.52	0	%100
41	M147	X	-.94	-.94	0	%100
42	M147	Z	-.543	-.543	0	%100
43	M149	X	-2.66	-2.66	0	%100
44	M149	Z	-1.536	-1.536	0	%100
45	M150	X	-3.601	-3.601	0	%100
46	M150	Z	-2.079	-2.079	0	%100
47	M152	X	-3.759	-3.759	0	%100
48	M152	Z	-2.17	-2.17	0	%100
49	M157	X	-2.232	-2.232	0	%100
50	M157	Z	-1.289	-1.289	0	%100
51	M158	X	-.576	-.576	0	%100
52	M158	Z	-.332	-.332	0	%100
53	M159	X	-.576	-.576	0	%100
54	M159	Z	-.332	-.332	0	%100
55	M160	X	-.902	-.902	0	%100
56	M160	Z	-.521	-.521	0	%100
57	M163	X	-2.652	-2.652	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,%]
58	M163	Z	-1.531	-1.531	0	%100
59	M164	X	-.663	-.663	0	%100
60	M164	Z	-.383	-.383	0	%100
61	M168	X	-2.66	-2.66	0	%100
62	M168	Z	-1.536	-1.536	0	%100
63	M169	X	-3.601	-3.601	0	%100
64	M169	Z	-2.079	-2.079	0	%100
65	M171	X	-3.759	-3.759	0	%100
66	M171	Z	-2.17	-2.17	0	%100
67	M173	X	-2.66	-2.66	0	%100
68	M173	Z	-1.536	-1.536	0	%100
69	M174	X	-.9	-.9	0	%100
70	M174	Z	-.52	-.52	0	%100
71	M176	X	-.94	-.94	0	%100
72	M176	Z	-.543	-.543	0	%100
73	M181	X	-.698	-.698	0	%100
74	M181	Z	-.403	-.403	0	%100
75	M106	X	-.698	-.698	0	%100
76	M106	Z	-.403	-.403	0	%100
77	M108	X	-2.793	-2.793	0	%100
78	M108	Z	-1.613	-1.613	0	%100
79	M84	X	-.698	-.698	0	%100
80	M84	Z	-.403	-.403	0	%100
81	M88	X	-.698	-.698	0	%100
82	M88	Z	-.403	-.403	0	%100
83	M89	X	-2.793	-2.793	0	%100
84	M89	Z	-1.613	-1.613	0	%100
85	MP1A	X	-2.248	-2.248	0	%100
86	MP1A	Z	-1.298	-1.298	0	%100
87	MP2A	X	-2.248	-2.248	0	%100
88	MP2A	Z	-1.298	-1.298	0	%100
89	MP3A	X	-2.248	-2.248	0	%100
90	MP3A	Z	-1.298	-1.298	0	%100
91	MP4A	X	-2.248	-2.248	0	%100
92	MP4A	Z	-1.298	-1.298	0	%100
93	MP1C	X	-2.248	-2.248	0	%100
94	MP1C	Z	-1.298	-1.298	0	%100
95	MP2C	X	-2.248	-2.248	0	%100
96	MP2C	Z	-1.298	-1.298	0	%100
97	MP3C	X	-2.248	-2.248	0	%100
98	MP3C	Z	-1.298	-1.298	0	%100
99	MP4C	X	-2.248	-2.248	0	%100
100	MP4C	Z	-1.298	-1.298	0	%100
101	MP1B	X	-2.248	-2.248	0	%100
102	MP1B	Z	-1.298	-1.298	0	%100
103	MP2B	X	-2.248	-2.248	0	%100
104	MP2B	Z	-1.298	-1.298	0	%100
105	MP3B	X	-2.248	-2.248	0	%100
106	MP3B	Z	-1.298	-1.298	0	%100
107	MP4B	X	-2.248	-2.248	0	%100
108	MP4B	Z	-1.298	-1.298	0	%100
109	M121A	X	-.53	-.53	0	%100
110	M121A	Z	-.306	-.306	0	%100
111	M122A	X	-2.12	-2.12	0	%100
112	M122A	Z	-1.224	-1.224	0	%100
113	M123A	X	-.53	-.53	0	%100
114	M123A	Z	-.306	-.306	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	M101	X	-.43	-.43	0	%100
2	M101	Z	-.744	-.744	0	%100
3	M102	X	-.997	-.997	0	%100
4	M102	Z	-1.727	-1.727	0	%100
5	M111	X	-.997	-.997	0	%100
6	M111	Z	-1.727	-1.727	0	%100
7	M112	X	-1.562	-1.562	0	%100
8	M112	Z	-2.706	-2.706	0	%100
9	M115	X	-1.148	-1.148	0	%100
10	M115	Z	-1.989	-1.989	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-.512	-.512	0	%100
14	M120	Z	-.887	-.887	0	%100
15	M121	X	-1.559	-1.559	0	%100
16	M121	Z	-2.701	-2.701	0	%100
17	M123	X	-1.628	-1.628	0	%100
18	M123	Z	-2.819	-2.819	0	%100
19	M125	X	-.512	-.512	0	%100
20	M125	Z	-.887	-.887	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-.43	-.43	0	%100
26	M133	Z	-.744	-.744	0	%100
27	M134	X	-.997	-.997	0	%100
28	M134	Z	-1.727	-1.727	0	%100
29	M135	X	-.997	-.997	0	%100
30	M135	Z	-1.727	-1.727	0	%100
31	M136	X	-1.562	-1.562	0	%100
32	M136	Z	-2.706	-2.706	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-1.148	-1.148	0	%100
36	M140	Z	-1.989	-1.989	0	%100
37	M144	X	-.512	-.512	0	%100
38	M144	Z	-.887	-.887	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-.512	-.512	0	%100
44	M149	Z	-.887	-.887	0	%100
45	M150	X	-1.559	-1.559	0	%100
46	M150	Z	-2.701	-2.701	0	%100
47	M152	X	-1.628	-1.628	0	%100
48	M152	Z	-2.819	-2.819	0	%100
49	M157	X	-1.718	-1.718	0	%100
50	M157	Z	-2.976	-2.976	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-1.148	-1.148	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,%]
58	M163	Z	-1.989	-1.989	0	%100
59	M164	X	-1.148	-1.148	0	%100
60	M164	Z	-1.989	-1.989	0	%100
61	M168	X	-2.048	-2.048	0	%100
62	M168	Z	-3.547	-3.547	0	%100
63	M169	X	-1.559	-1.559	0	%100
64	M169	Z	-2.701	-2.701	0	%100
65	M171	X	-1.628	-1.628	0	%100
66	M171	Z	-2.819	-2.819	0	%100
67	M173	X	-2.048	-2.048	0	%100
68	M173	Z	-3.547	-3.547	0	%100
69	M174	X	-1.559	-1.559	0	%100
70	M174	Z	-2.701	-2.701	0	%100
71	M176	X	-1.628	-1.628	0	%100
72	M176	Z	-2.819	-2.819	0	%100
73	M181	X	-1.209	-1.209	0	%100
74	M181	Z	-2.095	-2.095	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-1.209	-1.209	0	%100
78	M108	Z	-2.095	-2.095	0	%100
79	M84	X	-1.209	-1.209	0	%100
80	M84	Z	-2.095	-2.095	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-1.209	-1.209	0	%100
84	M89	Z	-2.095	-2.095	0	%100
85	MP1A	X	-1.298	-1.298	0	%100
86	MP1A	Z	-2.248	-2.248	0	%100
87	MP2A	X	-1.298	-1.298	0	%100
88	MP2A	Z	-2.248	-2.248	0	%100
89	MP3A	X	-1.298	-1.298	0	%100
90	MP3A	Z	-2.248	-2.248	0	%100
91	MP4A	X	-1.298	-1.298	0	%100
92	MP4A	Z	-2.248	-2.248	0	%100
93	MP1C	X	-1.298	-1.298	0	%100
94	MP1C	Z	-2.248	-2.248	0	%100
95	MP2C	X	-1.298	-1.298	0	%100
96	MP2C	Z	-2.248	-2.248	0	%100
97	MP3C	X	-1.298	-1.298	0	%100
98	MP3C	Z	-2.248	-2.248	0	%100
99	MP4C	X	-1.298	-1.298	0	%100
100	MP4C	Z	-2.248	-2.248	0	%100
101	MP1B	X	-1.298	-1.298	0	%100
102	MP1B	Z	-2.248	-2.248	0	%100
103	MP2B	X	-1.298	-1.298	0	%100
104	MP2B	Z	-2.248	-2.248	0	%100
105	MP3B	X	-1.298	-1.298	0	%100
106	MP3B	Z	-2.248	-2.248	0	%100
107	MP4B	X	-1.298	-1.298	0	%100
108	MP4B	Z	-2.248	-2.248	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	-.918	-.918	0	%100
112	M122A	Z	-1.59	-1.59	0	%100
113	M123A	X	-.918	-.918	0	%100
114	M123A	Z	-1.59	-1.59	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	M101	X	0	0	0	%100
2	M101	Z	-.586	-.586	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	-.151	-.151	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	-.151	-.151	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	-.302	-.302	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	-.671	-.671	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	-.168	-.168	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	-.906	-.906	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	-1.231	-1.231	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	-1.297	-1.297	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	-.906	-.906	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	-.308	-.308	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	-.324	-.324	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	-.606	-.606	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	-.606	-.606	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	-1.209	-1.209	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	-.168	-.168	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	-.168	-.168	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	-.308	-.308	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	-.324	-.324	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	-.308	-.308	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	-.324	-.324	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	-.586	-.586	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	-.151	-.151	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	-.151	-.151	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	-.302	-.302	0	%100
57	M163	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,%]
58	M163	Z	-.168	-.168	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	-.671	-.671	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	-.906	-.906	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	-.308	-.308	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	-.324	-.324	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	-.906	-.906	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	-1.231	-1.231	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	-1.297	-1.297	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	-.705	-.705	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-.176	-.176	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	-.176	-.176	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	-.705	-.705	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	-.176	-.176	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	-.176	-.176	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-.478	-.478	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-.478	-.478	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-.478	-.478	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	-.478	-.478	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.478	-.478	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-.478	-.478	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-.478	-.478	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	-.478	-.478	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.478	-.478	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	-.478	-.478	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-.478	-.478	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-.478	-.478	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	-.144	-.144	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	-.144	-.144	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	-.576	-.576	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	M101	X	.391	.391	0	%100
2	M101	Z	-.676	-.676	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	.252	.252	0	%100
10	M115	Z	-.436	-.436	0	%100
11	M116	X	.252	.252	0	%100
12	M116	Z	-.436	-.436	0	%100
13	M120	X	.604	.604	0	%100
14	M120	Z	-1.047	-1.047	0	%100
15	M121	X	.462	.462	0	%100
16	M121	Z	-.8	-.8	0	%100
17	M123	X	.486	.486	0	%100
18	M123	Z	-.842	-.842	0	%100
19	M125	X	.604	.604	0	%100
20	M125	Z	-1.047	-1.047	0	%100
21	M126	X	.462	.462	0	%100
22	M126	Z	-.8	-.8	0	%100
23	M128	X	.486	.486	0	%100
24	M128	Z	-.842	-.842	0	%100
25	M133	X	.098	.098	0	%100
26	M133	Z	-.169	-.169	0	%100
27	M134	X	.227	.227	0	%100
28	M134	Z	-.394	-.394	0	%100
29	M135	X	.227	.227	0	%100
30	M135	Z	-.394	-.394	0	%100
31	M136	X	.453	.453	0	%100
32	M136	Z	-.785	-.785	0	%100
33	M139	X	.252	.252	0	%100
34	M139	Z	-.436	-.436	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	.151	.151	0	%100
38	M144	Z	-.262	-.262	0	%100
39	M145	X	.462	.462	0	%100
40	M145	Z	-.8	-.8	0	%100
41	M147	X	.486	.486	0	%100
42	M147	Z	-.842	-.842	0	%100
43	M149	X	.151	.151	0	%100
44	M149	Z	-.262	-.262	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.098	.098	0	%100
50	M157	Z	-.169	-.169	0	%100
51	M158	X	.227	.227	0	%100
52	M158	Z	-.394	-.394	0	%100
53	M159	X	.227	.227	0	%100
54	M159	Z	-.394	-.394	0	%100
55	M160	X	.453	.453	0	%100
56	M160	Z	-.785	-.785	0	%100
57	M163	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	.252	.252	0	%100
60	M164	Z	-.436	-.436	0	%100
61	M168	X	.151	.151	0	%100
62	M168	Z	-.262	-.262	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	.151	.151	0	%100
68	M173	Z	-.262	-.262	0	%100
69	M174	X	.462	.462	0	%100
70	M174	Z	-.8	-.8	0	%100
71	M176	X	.486	.486	0	%100
72	M176	Z	-.842	-.842	0	%100
73	M181	X	.264	.264	0	%100
74	M181	Z	-.458	-.458	0	%100
75	M106	X	.264	.264	0	%100
76	M106	Z	-.458	-.458	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	.264	.264	0	%100
80	M84	Z	-.458	-.458	0	%100
81	M88	X	.264	.264	0	%100
82	M88	Z	-.458	-.458	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	.239	.239	0	%100
86	MP1A	Z	-.414	-.414	0	%100
87	MP2A	X	.239	.239	0	%100
88	MP2A	Z	-.414	-.414	0	%100
89	MP3A	X	.239	.239	0	%100
90	MP3A	Z	-.414	-.414	0	%100
91	MP4A	X	.239	.239	0	%100
92	MP4A	Z	-.414	-.414	0	%100
93	MP1C	X	.239	.239	0	%100
94	MP1C	Z	-.414	-.414	0	%100
95	MP2C	X	.239	.239	0	%100
96	MP2C	Z	-.414	-.414	0	%100
97	MP3C	X	.239	.239	0	%100
98	MP3C	Z	-.414	-.414	0	%100
99	MP4C	X	.239	.239	0	%100
100	MP4C	Z	-.414	-.414	0	%100
101	MP1B	X	.239	.239	0	%100
102	MP1B	Z	-.414	-.414	0	%100
103	MP2B	X	.239	.239	0	%100
104	MP2B	Z	-.414	-.414	0	%100
105	MP3B	X	.239	.239	0	%100
106	MP3B	Z	-.414	-.414	0	%100
107	MP4B	X	.239	.239	0	%100
108	MP4B	Z	-.414	-.414	0	%100
109	M121A	X	.216	.216	0	%100
110	M121A	Z	-.374	-.374	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	.216	.216	0	%100
114	M123A	Z	-.374	-.374	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	M101	X	.507	.507	0	%100
2	M101	Z	-.293	-.293	0	%100
3	M102	X	.131	.131	0	%100
4	M102	Z	-.076	-.076	0	%100
5	M111	X	.131	.131	0	%100
6	M111	Z	-.076	-.076	0	%100
7	M112	X	.262	.262	0	%100
8	M112	Z	-.151	-.151	0	%100
9	M115	X	.145	.145	0	%100
10	M115	Z	-.084	-.084	0	%100
11	M116	X	.581	.581	0	%100
12	M116	Z	-.336	-.336	0	%100
13	M120	X	.785	.785	0	%100
14	M120	Z	-.453	-.453	0	%100
15	M121	X	.267	.267	0	%100
16	M121	Z	-.154	-.154	0	%100
17	M123	X	.281	.281	0	%100
18	M123	Z	-.162	-.162	0	%100
19	M125	X	.785	.785	0	%100
20	M125	Z	-.453	-.453	0	%100
21	M126	X	1.066	1.066	0	%100
22	M126	Z	-.615	-.615	0	%100
23	M128	X	1.123	1.123	0	%100
24	M128	Z	-.648	-.648	0	%100
25	M133	X	.507	.507	0	%100
26	M133	Z	-.293	-.293	0	%100
27	M134	X	.131	.131	0	%100
28	M134	Z	-.076	-.076	0	%100
29	M135	X	.131	.131	0	%100
30	M135	Z	-.076	-.076	0	%100
31	M136	X	.262	.262	0	%100
32	M136	Z	-.151	-.151	0	%100
33	M139	X	.581	.581	0	%100
34	M139	Z	-.336	-.336	0	%100
35	M140	X	.145	.145	0	%100
36	M140	Z	-.084	-.084	0	%100
37	M144	X	.785	.785	0	%100
38	M144	Z	-.453	-.453	0	%100
39	M145	X	1.066	1.066	0	%100
40	M145	Z	-.615	-.615	0	%100
41	M147	X	1.123	1.123	0	%100
42	M147	Z	-.648	-.648	0	%100
43	M149	X	.785	.785	0	%100
44	M149	Z	-.453	-.453	0	%100
45	M150	X	.267	.267	0	%100
46	M150	Z	-.154	-.154	0	%100
47	M152	X	.281	.281	0	%100
48	M152	Z	-.162	-.162	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	.525	.525	0	%100
52	M158	Z	-.303	-.303	0	%100
53	M159	X	.525	.525	0	%100
54	M159	Z	-.303	-.303	0	%100
55	M160	X	1.047	1.047	0	%100
56	M160	Z	-.604	-.604	0	%100
57	M163	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,%]
58	M163	Z	-.084	-.084	0	%100
59	M164	X	.145	.145	0	%100
60	M164	Z	-.084	-.084	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	.267	.267	0	%100
64	M169	Z	-.154	-.154	0	%100
65	M171	X	.281	.281	0	%100
66	M171	Z	-.162	-.162	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	.267	.267	0	%100
70	M174	Z	-.154	-.154	0	%100
71	M176	X	.281	.281	0	%100
72	M176	Z	-.162	-.162	0	%100
73	M181	X	.153	.153	0	%100
74	M181	Z	-.088	-.088	0	%100
75	M106	X	.611	.611	0	%100
76	M106	Z	-.352	-.352	0	%100
77	M108	X	.153	.153	0	%100
78	M108	Z	-.088	-.088	0	%100
79	M84	X	.153	.153	0	%100
80	M84	Z	-.088	-.088	0	%100
81	M88	X	.611	.611	0	%100
82	M88	Z	-.352	-.352	0	%100
83	M89	X	.153	.153	0	%100
84	M89	Z	-.088	-.088	0	%100
85	MP1A	X	.414	.414	0	%100
86	MP1A	Z	-.239	-.239	0	%100
87	MP2A	X	.414	.414	0	%100
88	MP2A	Z	-.239	-.239	0	%100
89	MP3A	X	.414	.414	0	%100
90	MP3A	Z	-.239	-.239	0	%100
91	MP4A	X	.414	.414	0	%100
92	MP4A	Z	-.239	-.239	0	%100
93	MP1C	X	.414	.414	0	%100
94	MP1C	Z	-.239	-.239	0	%100
95	MP2C	X	.414	.414	0	%100
96	MP2C	Z	-.239	-.239	0	%100
97	MP3C	X	.414	.414	0	%100
98	MP3C	Z	-.239	-.239	0	%100
99	MP4C	X	.414	.414	0	%100
100	MP4C	Z	-.239	-.239	0	%100
101	MP1B	X	.414	.414	0	%100
102	MP1B	Z	-.239	-.239	0	%100
103	MP2B	X	.414	.414	0	%100
104	MP2B	Z	-.239	-.239	0	%100
105	MP3B	X	.414	.414	0	%100
106	MP3B	Z	-.239	-.239	0	%100
107	MP4B	X	.414	.414	0	%100
108	MP4B	Z	-.239	-.239	0	%100
109	M121A	X	.499	.499	0	%100
110	M121A	Z	-.288	-.288	0	%100
111	M122A	X	.125	.125	0	%100
112	M122A	Z	-.072	-.072	0	%100
113	M123A	X	.125	.125	0	%100
114	M123A	Z	-.072	-.072	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	M101	X	.195	.195	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	.454	.454	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	.454	.454	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	.906	.906	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	.503	.503	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	.302	.302	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	.302	.302	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	.923	.923	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	.972	.972	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	.781	.781	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	.503	.503	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	.503	.503	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	1.209	1.209	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	.923	.923	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	.972	.972	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	1.209	1.209	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	.923	.923	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	.972	.972	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	.195	.195	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	.454	.454	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	.454	.454	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	.906	.906	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	.503	.503	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	.302	.302	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	.923	.923	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	.972	.972	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	.302	.302	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	.529	.529	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	.529	.529	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	.529	.529	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	.529	.529	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	.478	.478	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	.478	.478	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	.478	.478	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	.478	.478	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	.478	.478	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	.478	.478	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	.478	.478	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	.478	.478	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	.478	.478	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	.478	.478	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	.478	.478	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	.478	.478	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	.432	.432	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	.432	.432	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	.525	.525	0	%100
4	M102	Z	.303	.303	0	%100
5	M111	X	.525	.525	0	%100
6	M111	Z	.303	.303	0	%100
7	M112	X	1.047	1.047	0	%100
8	M112	Z	.604	.604	0	%100
9	M115	X	.145	.145	0	%100
10	M115	Z	.084	.084	0	%100
11	M116	X	.145	.145	0	%100
12	M116	Z	.084	.084	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	.267	.267	0	%100
16	M121	Z	.154	.154	0	%100
17	M123	X	.281	.281	0	%100
18	M123	Z	.162	.162	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	.267	.267	0	%100
22	M126	Z	.154	.154	0	%100
23	M128	X	.281	.281	0	%100
24	M128	Z	.162	.162	0	%100
25	M133	X	.507	.507	0	%100
26	M133	Z	.293	.293	0	%100
27	M134	X	.131	.131	0	%100
28	M134	Z	.076	.076	0	%100
29	M135	X	.131	.131	0	%100
30	M135	Z	.076	.076	0	%100
31	M136	X	.262	.262	0	%100
32	M136	Z	.151	.151	0	%100
33	M139	X	.145	.145	0	%100
34	M139	Z	.084	.084	0	%100
35	M140	X	.581	.581	0	%100
36	M140	Z	.336	.336	0	%100
37	M144	X	.785	.785	0	%100
38	M144	Z	.453	.453	0	%100
39	M145	X	.267	.267	0	%100
40	M145	Z	.154	.154	0	%100
41	M147	X	.281	.281	0	%100
42	M147	Z	.162	.162	0	%100
43	M149	X	.785	.785	0	%100
44	M149	Z	.453	.453	0	%100
45	M150	X	1.066	1.066	0	%100
46	M150	Z	.615	.615	0	%100
47	M152	X	1.123	1.123	0	%100
48	M152	Z	.648	.648	0	%100
49	M157	X	.507	.507	0	%100
50	M157	Z	.293	.293	0	%100
51	M158	X	.131	.131	0	%100
52	M158	Z	.076	.076	0	%100
53	M159	X	.131	.131	0	%100
54	M159	Z	.076	.076	0	%100
55	M160	X	.262	.262	0	%100
56	M160	Z	.151	.151	0	%100
57	M163	X	.581	.581	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	M163	Z	.336	.336	0	%100
59	M164	X	.145	.145	0	%100
60	M164	Z	.084	.084	0	%100
61	M168	X	.785	.785	0	%100
62	M168	Z	.453	.453	0	%100
63	M169	X	1.066	1.066	0	%100
64	M169	Z	.615	.615	0	%100
65	M171	X	1.123	1.123	0	%100
66	M171	Z	.648	.648	0	%100
67	M173	X	.785	.785	0	%100
68	M173	Z	.453	.453	0	%100
69	M174	X	.267	.267	0	%100
70	M174	Z	.154	.154	0	%100
71	M176	X	.281	.281	0	%100
72	M176	Z	.162	.162	0	%100
73	M181	X	.153	.153	0	%100
74	M181	Z	.088	.088	0	%100
75	M106	X	.153	.153	0	%100
76	M106	Z	.088	.088	0	%100
77	M108	X	.611	.611	0	%100
78	M108	Z	.352	.352	0	%100
79	M84	X	.153	.153	0	%100
80	M84	Z	.088	.088	0	%100
81	M88	X	.153	.153	0	%100
82	M88	Z	.088	.088	0	%100
83	M89	X	.611	.611	0	%100
84	M89	Z	.352	.352	0	%100
85	MP1A	X	.414	.414	0	%100
86	MP1A	Z	.239	.239	0	%100
87	MP2A	X	.414	.414	0	%100
88	MP2A	Z	.239	.239	0	%100
89	MP3A	X	.414	.414	0	%100
90	MP3A	Z	.239	.239	0	%100
91	MP4A	X	.414	.414	0	%100
92	MP4A	Z	.239	.239	0	%100
93	MP1C	X	.414	.414	0	%100
94	MP1C	Z	.239	.239	0	%100
95	MP2C	X	.414	.414	0	%100
96	MP2C	Z	.239	.239	0	%100
97	MP3C	X	.414	.414	0	%100
98	MP3C	Z	.239	.239	0	%100
99	MP4C	X	.414	.414	0	%100
100	MP4C	Z	.239	.239	0	%100
101	MP1B	X	.414	.414	0	%100
102	MP1B	Z	.239	.239	0	%100
103	MP2B	X	.414	.414	0	%100
104	MP2B	Z	.239	.239	0	%100
105	MP3B	X	.414	.414	0	%100
106	MP3B	Z	.239	.239	0	%100
107	MP4B	X	.414	.414	0	%100
108	MP4B	Z	.239	.239	0	%100
109	M121A	X	.125	.125	0	%100
110	M121A	Z	.072	.072	0	%100
111	M122A	X	.499	.499	0	%100
112	M122A	Z	.288	.288	0	%100
113	M123A	X	.125	.125	0	%100
114	M123A	Z	.072	.072	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	M101	X	.098	.098	0	%100
2	M101	Z	.169	.169	0	%100
3	M102	X	.227	.227	0	%100
4	M102	Z	.394	.394	0	%100
5	M111	X	.227	.227	0	%100
6	M111	Z	.394	.394	0	%100
7	M112	X	.453	.453	0	%100
8	M112	Z	.785	.785	0	%100
9	M115	X	.252	.252	0	%100
10	M115	Z	.436	.436	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	.151	.151	0	%100
14	M120	Z	.262	.262	0	%100
15	M121	X	.462	.462	0	%100
16	M121	Z	.8	.8	0	%100
17	M123	X	.486	.486	0	%100
18	M123	Z	.842	.842	0	%100
19	M125	X	.151	.151	0	%100
20	M125	Z	.262	.262	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	.098	.098	0	%100
26	M133	Z	.169	.169	0	%100
27	M134	X	.227	.227	0	%100
28	M134	Z	.394	.394	0	%100
29	M135	X	.227	.227	0	%100
30	M135	Z	.394	.394	0	%100
31	M136	X	.453	.453	0	%100
32	M136	Z	.785	.785	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	.252	.252	0	%100
36	M140	Z	.436	.436	0	%100
37	M144	X	.151	.151	0	%100
38	M144	Z	.262	.262	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	.151	.151	0	%100
44	M149	Z	.262	.262	0	%100
45	M150	X	.462	.462	0	%100
46	M150	Z	.8	.8	0	%100
47	M152	X	.486	.486	0	%100
48	M152	Z	.842	.842	0	%100
49	M157	X	.391	.391	0	%100
50	M157	Z	.676	.676	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	.252	.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M163	Z	.436	.436	0	%100
59	M164	X	.252	.252	0	%100
60	M164	Z	.436	.436	0	%100
61	M168	X	.604	.604	0	%100
62	M168	Z	1.047	1.047	0	%100
63	M169	X	.462	.462	0	%100
64	M169	Z	.8	.8	0	%100
65	M171	X	.486	.486	0	%100
66	M171	Z	.842	.842	0	%100
67	M173	X	.604	.604	0	%100
68	M173	Z	1.047	1.047	0	%100
69	M174	X	.462	.462	0	%100
70	M174	Z	.8	.8	0	%100
71	M176	X	.486	.486	0	%100
72	M176	Z	.842	.842	0	%100
73	M181	X	.264	.264	0	%100
74	M181	Z	.458	.458	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	.264	.264	0	%100
78	M108	Z	.458	.458	0	%100
79	M84	X	.264	.264	0	%100
80	M84	Z	.458	.458	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	.264	.264	0	%100
84	M89	Z	.458	.458	0	%100
85	MP1A	X	.239	.239	0	%100
86	MP1A	Z	.414	.414	0	%100
87	MP2A	X	.239	.239	0	%100
88	MP2A	Z	.414	.414	0	%100
89	MP3A	X	.239	.239	0	%100
90	MP3A	Z	.414	.414	0	%100
91	MP4A	X	.239	.239	0	%100
92	MP4A	Z	.414	.414	0	%100
93	MP1C	X	.239	.239	0	%100
94	MP1C	Z	.414	.414	0	%100
95	MP2C	X	.239	.239	0	%100
96	MP2C	Z	.414	.414	0	%100
97	MP3C	X	.239	.239	0	%100
98	MP3C	Z	.414	.414	0	%100
99	MP4C	X	.239	.239	0	%100
100	MP4C	Z	.414	.414	0	%100
101	MP1B	X	.239	.239	0	%100
102	MP1B	Z	.414	.414	0	%100
103	MP2B	X	.239	.239	0	%100
104	MP2B	Z	.414	.414	0	%100
105	MP3B	X	.239	.239	0	%100
106	MP3B	Z	.414	.414	0	%100
107	MP4B	X	.239	.239	0	%100
108	MP4B	Z	.414	.414	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	.216	.216	0	%100
112	M122A	Z	.374	.374	0	%100
113	M123A	X	.216	.216	0	%100
114	M123A	Z	.374	.374	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	M101	X	0	0	0	%100
2	M101	Z	.586	.586	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	.151	.151	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	.151	.151	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	.302	.302	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	.671	.671	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	.168	.168	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	.906	.906	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	1.231	1.231	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	1.297	1.297	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	.906	.906	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	.308	.308	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	.324	.324	0	%100
25	M133	X	0	0	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	.606	.606	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	.606	.606	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	1.209	1.209	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	.168	.168	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	.168	.168	0	%100
37	M144	X	0	0	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	.308	.308	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	.324	.324	0	%100
43	M149	X	0	0	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	.308	.308	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	.324	.324	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	.586	.586	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	.151	.151	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	.151	.151	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	.302	.302	0	%100
57	M163	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,%]
58	M163	Z	.168	.168	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	.671	.671	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	.906	.906	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	.308	.308	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	.324	.324	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	.906	.906	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	1.231	1.231	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	1.297	1.297	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	.705	.705	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	.176	.176	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	.176	.176	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	.705	.705	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	.176	.176	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	.176	.176	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.478	.478	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	.478	.478	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	.478	.478	0	%100
91	MP4A	X	0	0	0	%100
92	MP4A	Z	.478	.478	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.478	.478	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	.478	.478	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	.478	.478	0	%100
99	MP4C	X	0	0	0	%100
100	MP4C	Z	.478	.478	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.478	.478	0	%100
103	MP2B	X	0	0	0	%100
104	MP2B	Z	.478	.478	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	.478	.478	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	.478	.478	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	.144	.144	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	.144	.144	0	%100
113	M123A	X	0	0	0	%100
114	M123A	Z	.576	.576	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	M101	X	-.391	-.391	0	%100
2	M101	Z	.676	.676	0	%100
3	M102	X	0	0	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	0	0	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	0	0	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	-.252	-.252	0	%100
10	M115	Z	.436	.436	0	%100
11	M116	X	-.252	-.252	0	%100
12	M116	Z	.436	.436	0	%100
13	M120	X	-.604	-.604	0	%100
14	M120	Z	1.047	1.047	0	%100
15	M121	X	-.462	-.462	0	%100
16	M121	Z	.8	.8	0	%100
17	M123	X	-.486	-.486	0	%100
18	M123	Z	.842	.842	0	%100
19	M125	X	-.604	-.604	0	%100
20	M125	Z	1.047	1.047	0	%100
21	M126	X	-.462	-.462	0	%100
22	M126	Z	.8	.8	0	%100
23	M128	X	-.486	-.486	0	%100
24	M128	Z	.842	.842	0	%100
25	M133	X	-.098	-.098	0	%100
26	M133	Z	.169	.169	0	%100
27	M134	X	-.227	-.227	0	%100
28	M134	Z	.394	.394	0	%100
29	M135	X	-.227	-.227	0	%100
30	M135	Z	.394	.394	0	%100
31	M136	X	-.453	-.453	0	%100
32	M136	Z	.785	.785	0	%100
33	M139	X	-.252	-.252	0	%100
34	M139	Z	.436	.436	0	%100
35	M140	X	0	0	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-.151	-.151	0	%100
38	M144	Z	.262	.262	0	%100
39	M145	X	-.462	-.462	0	%100
40	M145	Z	.8	.8	0	%100
41	M147	X	-.486	-.486	0	%100
42	M147	Z	.842	.842	0	%100
43	M149	X	-.151	-.151	0	%100
44	M149	Z	.262	.262	0	%100
45	M150	X	0	0	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	0	0	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.098	-.098	0	%100
50	M157	Z	.169	.169	0	%100
51	M158	X	-.227	-.227	0	%100
52	M158	Z	.394	.394	0	%100
53	M159	X	-.227	-.227	0	%100
54	M159	Z	.394	.394	0	%100
55	M160	X	-.453	-.453	0	%100
56	M160	Z	.785	.785	0	%100
57	M163	X	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	-.252	-.252	0	%100
60	M164	Z	.436	.436	0	%100
61	M168	X	-.151	-.151	0	%100
62	M168	Z	.262	.262	0	%100
63	M169	X	0	0	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	0	0	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-.151	-.151	0	%100
68	M173	Z	.262	.262	0	%100
69	M174	X	-.462	-.462	0	%100
70	M174	Z	.8	.8	0	%100
71	M176	X	-.486	-.486	0	%100
72	M176	Z	.842	.842	0	%100
73	M181	X	-.264	-.264	0	%100
74	M181	Z	.458	.458	0	%100
75	M106	X	-.264	-.264	0	%100
76	M106	Z	.458	.458	0	%100
77	M108	X	0	0	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	-.264	-.264	0	%100
80	M84	Z	.458	.458	0	%100
81	M88	X	-.264	-.264	0	%100
82	M88	Z	.458	.458	0	%100
83	M89	X	0	0	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-.239	-.239	0	%100
86	MP1A	Z	.414	.414	0	%100
87	MP2A	X	-.239	-.239	0	%100
88	MP2A	Z	.414	.414	0	%100
89	MP3A	X	-.239	-.239	0	%100
90	MP3A	Z	.414	.414	0	%100
91	MP4A	X	-.239	-.239	0	%100
92	MP4A	Z	.414	.414	0	%100
93	MP1C	X	-.239	-.239	0	%100
94	MP1C	Z	.414	.414	0	%100
95	MP2C	X	-.239	-.239	0	%100
96	MP2C	Z	.414	.414	0	%100
97	MP3C	X	-.239	-.239	0	%100
98	MP3C	Z	.414	.414	0	%100
99	MP4C	X	-.239	-.239	0	%100
100	MP4C	Z	.414	.414	0	%100
101	MP1B	X	-.239	-.239	0	%100
102	MP1B	Z	.414	.414	0	%100
103	MP2B	X	-.239	-.239	0	%100
104	MP2B	Z	.414	.414	0	%100
105	MP3B	X	-.239	-.239	0	%100
106	MP3B	Z	.414	.414	0	%100
107	MP4B	X	-.239	-.239	0	%100
108	MP4B	Z	.414	.414	0	%100
109	M121A	X	-.216	-.216	0	%100
110	M121A	Z	.374	.374	0	%100
111	M122A	X	0	0	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	-.216	-.216	0	%100
114	M123A	Z	.374	.374	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	M101	X	-.507	-.507	0	%100
2	M101	Z	.293	.293	0	%100
3	M102	X	-.131	-.131	0	%100
4	M102	Z	.076	.076	0	%100
5	M111	X	-.131	-.131	0	%100
6	M111	Z	.076	.076	0	%100
7	M112	X	-.262	-.262	0	%100
8	M112	Z	.151	.151	0	%100
9	M115	X	-.145	-.145	0	%100
10	M115	Z	.084	.084	0	%100
11	M116	X	-.581	-.581	0	%100
12	M116	Z	.336	.336	0	%100
13	M120	X	-.785	-.785	0	%100
14	M120	Z	.453	.453	0	%100
15	M121	X	-.267	-.267	0	%100
16	M121	Z	.154	.154	0	%100
17	M123	X	-.281	-.281	0	%100
18	M123	Z	.162	.162	0	%100
19	M125	X	-.785	-.785	0	%100
20	M125	Z	.453	.453	0	%100
21	M126	X	-1.066	-1.066	0	%100
22	M126	Z	.615	.615	0	%100
23	M128	X	-1.123	-1.123	0	%100
24	M128	Z	.648	.648	0	%100
25	M133	X	-.507	-.507	0	%100
26	M133	Z	.293	.293	0	%100
27	M134	X	-.131	-.131	0	%100
28	M134	Z	.076	.076	0	%100
29	M135	X	-.131	-.131	0	%100
30	M135	Z	.076	.076	0	%100
31	M136	X	-.262	-.262	0	%100
32	M136	Z	.151	.151	0	%100
33	M139	X	-.581	-.581	0	%100
34	M139	Z	.336	.336	0	%100
35	M140	X	-.145	-.145	0	%100
36	M140	Z	.084	.084	0	%100
37	M144	X	-.785	-.785	0	%100
38	M144	Z	.453	.453	0	%100
39	M145	X	-1.066	-1.066	0	%100
40	M145	Z	.615	.615	0	%100
41	M147	X	-1.123	-1.123	0	%100
42	M147	Z	.648	.648	0	%100
43	M149	X	-.785	-.785	0	%100
44	M149	Z	.453	.453	0	%100
45	M150	X	-.267	-.267	0	%100
46	M150	Z	.154	.154	0	%100
47	M152	X	-.281	-.281	0	%100
48	M152	Z	.162	.162	0	%100
49	M157	X	0	0	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	-.525	-.525	0	%100
52	M158	Z	.303	.303	0	%100
53	M159	X	-.525	-.525	0	%100
54	M159	Z	.303	.303	0	%100
55	M160	X	-1.047	-1.047	0	%100
56	M160	Z	.604	.604	0	%100
57	M163	X	-.145	-.145	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,%]
58	M163	Z	.084	.084	0	%100
59	M164	X	-.145	-.145	0	%100
60	M164	Z	.084	.084	0	%100
61	M168	X	0	0	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-.267	-.267	0	%100
64	M169	Z	.154	.154	0	%100
65	M171	X	-.281	-.281	0	%100
66	M171	Z	.162	.162	0	%100
67	M173	X	0	0	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	-.267	-.267	0	%100
70	M174	Z	.154	.154	0	%100
71	M176	X	-.281	-.281	0	%100
72	M176	Z	.162	.162	0	%100
73	M181	X	-.153	-.153	0	%100
74	M181	Z	.088	.088	0	%100
75	M106	X	-.611	-.611	0	%100
76	M106	Z	.352	.352	0	%100
77	M108	X	-.153	-.153	0	%100
78	M108	Z	.088	.088	0	%100
79	M84	X	-.153	-.153	0	%100
80	M84	Z	.088	.088	0	%100
81	M88	X	-.611	-.611	0	%100
82	M88	Z	.352	.352	0	%100
83	M89	X	-.153	-.153	0	%100
84	M89	Z	.088	.088	0	%100
85	MP1A	X	-.414	-.414	0	%100
86	MP1A	Z	.239	.239	0	%100
87	MP2A	X	-.414	-.414	0	%100
88	MP2A	Z	.239	.239	0	%100
89	MP3A	X	-.414	-.414	0	%100
90	MP3A	Z	.239	.239	0	%100
91	MP4A	X	-.414	-.414	0	%100
92	MP4A	Z	.239	.239	0	%100
93	MP1C	X	-.414	-.414	0	%100
94	MP1C	Z	.239	.239	0	%100
95	MP2C	X	-.414	-.414	0	%100
96	MP2C	Z	.239	.239	0	%100
97	MP3C	X	-.414	-.414	0	%100
98	MP3C	Z	.239	.239	0	%100
99	MP4C	X	-.414	-.414	0	%100
100	MP4C	Z	.239	.239	0	%100
101	MP1B	X	-.414	-.414	0	%100
102	MP1B	Z	.239	.239	0	%100
103	MP2B	X	-.414	-.414	0	%100
104	MP2B	Z	.239	.239	0	%100
105	MP3B	X	-.414	-.414	0	%100
106	MP3B	Z	.239	.239	0	%100
107	MP4B	X	-.414	-.414	0	%100
108	MP4B	Z	.239	.239	0	%100
109	M121A	X	-.499	-.499	0	%100
110	M121A	Z	.288	.288	0	%100
111	M122A	X	-.125	-.125	0	%100
112	M122A	Z	.072	.072	0	%100
113	M123A	X	-.125	-.125	0	%100
114	M123A	Z	.072	.072	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	M101	X	-.195	-.195	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-.454	-.454	0	%100
4	M102	Z	0	0	0	%100
5	M111	X	-.454	-.454	0	%100
6	M111	Z	0	0	0	%100
7	M112	X	-.906	-.906	0	%100
8	M112	Z	0	0	0	%100
9	M115	X	0	0	0	%100
10	M115	Z	0	0	0	%100
11	M116	X	-.503	-.503	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-.302	-.302	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	0	0	0	%100
16	M121	Z	0	0	0	%100
17	M123	X	0	0	0	%100
18	M123	Z	0	0	0	%100
19	M125	X	-.302	-.302	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-.923	-.923	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	-.972	-.972	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-.781	-.781	0	%100
26	M133	Z	0	0	0	%100
27	M134	X	0	0	0	%100
28	M134	Z	0	0	0	%100
29	M135	X	0	0	0	%100
30	M135	Z	0	0	0	%100
31	M136	X	0	0	0	%100
32	M136	Z	0	0	0	%100
33	M139	X	-.503	-.503	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-.503	-.503	0	%100
36	M140	Z	0	0	0	%100
37	M144	X	-1.209	-1.209	0	%100
38	M144	Z	0	0	0	%100
39	M145	X	-.923	-.923	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	-.972	-.972	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-1.209	-1.209	0	%100
44	M149	Z	0	0	0	%100
45	M150	X	-.923	-.923	0	%100
46	M150	Z	0	0	0	%100
47	M152	X	-.972	-.972	0	%100
48	M152	Z	0	0	0	%100
49	M157	X	-.195	-.195	0	%100
50	M157	Z	0	0	0	%100
51	M158	X	-.454	-.454	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	-.454	-.454	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	-.906	-.906	0	%100
56	M160	Z	0	0	0	%100
57	M163	X	-.503	-.503	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,%]
58	M163	Z	0	0	0	%100
59	M164	X	0	0	0	%100
60	M164	Z	0	0	0	%100
61	M168	X	-.302	-.302	0	%100
62	M168	Z	0	0	0	%100
63	M169	X	-.923	-.923	0	%100
64	M169	Z	0	0	0	%100
65	M171	X	-.972	-.972	0	%100
66	M171	Z	0	0	0	%100
67	M173	X	-.302	-.302	0	%100
68	M173	Z	0	0	0	%100
69	M174	X	0	0	0	%100
70	M174	Z	0	0	0	%100
71	M176	X	0	0	0	%100
72	M176	Z	0	0	0	%100
73	M181	X	0	0	0	%100
74	M181	Z	0	0	0	%100
75	M106	X	-.529	-.529	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-.529	-.529	0	%100
78	M108	Z	0	0	0	%100
79	M84	X	0	0	0	%100
80	M84	Z	0	0	0	%100
81	M88	X	-.529	-.529	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-.529	-.529	0	%100
84	M89	Z	0	0	0	%100
85	MP1A	X	-.478	-.478	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-.478	-.478	0	%100
88	MP2A	Z	0	0	0	%100
89	MP3A	X	-.478	-.478	0	%100
90	MP3A	Z	0	0	0	%100
91	MP4A	X	-.478	-.478	0	%100
92	MP4A	Z	0	0	0	%100
93	MP1C	X	-.478	-.478	0	%100
94	MP1C	Z	0	0	0	%100
95	MP2C	X	-.478	-.478	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3C	X	-.478	-.478	0	%100
98	MP3C	Z	0	0	0	%100
99	MP4C	X	-.478	-.478	0	%100
100	MP4C	Z	0	0	0	%100
101	MP1B	X	-.478	-.478	0	%100
102	MP1B	Z	0	0	0	%100
103	MP2B	X	-.478	-.478	0	%100
104	MP2B	Z	0	0	0	%100
105	MP3B	X	-.478	-.478	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-.478	-.478	0	%100
108	MP4B	Z	0	0	0	%100
109	M121A	X	-.432	-.432	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	-.432	-.432	0	%100
112	M122A	Z	0	0	0	%100
113	M123A	X	0	0	0	%100
114	M123A	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	M101	X	0	0	0	%100
2	M101	Z	0	0	0	%100
3	M102	X	-.525	-.525	0	%100
4	M102	Z	-.303	-.303	0	%100
5	M111	X	-.525	-.525	0	%100
6	M111	Z	-.303	-.303	0	%100
7	M112	X	-1.047	-1.047	0	%100
8	M112	Z	-.604	-.604	0	%100
9	M115	X	-.145	-.145	0	%100
10	M115	Z	-.084	-.084	0	%100
11	M116	X	-.145	-.145	0	%100
12	M116	Z	-.084	-.084	0	%100
13	M120	X	0	0	0	%100
14	M120	Z	0	0	0	%100
15	M121	X	-.267	-.267	0	%100
16	M121	Z	-.154	-.154	0	%100
17	M123	X	-.281	-.281	0	%100
18	M123	Z	-.162	-.162	0	%100
19	M125	X	0	0	0	%100
20	M125	Z	0	0	0	%100
21	M126	X	-.267	-.267	0	%100
22	M126	Z	-.154	-.154	0	%100
23	M128	X	-.281	-.281	0	%100
24	M128	Z	-.162	-.162	0	%100
25	M133	X	-.507	-.507	0	%100
26	M133	Z	-.293	-.293	0	%100
27	M134	X	-.131	-.131	0	%100
28	M134	Z	-.076	-.076	0	%100
29	M135	X	-.131	-.131	0	%100
30	M135	Z	-.076	-.076	0	%100
31	M136	X	-.262	-.262	0	%100
32	M136	Z	-.151	-.151	0	%100
33	M139	X	-.145	-.145	0	%100
34	M139	Z	-.084	-.084	0	%100
35	M140	X	-.581	-.581	0	%100
36	M140	Z	-.336	-.336	0	%100
37	M144	X	-.785	-.785	0	%100
38	M144	Z	-.453	-.453	0	%100
39	M145	X	-.267	-.267	0	%100
40	M145	Z	-.154	-.154	0	%100
41	M147	X	-.281	-.281	0	%100
42	M147	Z	-.162	-.162	0	%100
43	M149	X	-.785	-.785	0	%100
44	M149	Z	-.453	-.453	0	%100
45	M150	X	-1.066	-1.066	0	%100
46	M150	Z	-.615	-.615	0	%100
47	M152	X	-1.123	-1.123	0	%100
48	M152	Z	-.648	-.648	0	%100
49	M157	X	-.507	-.507	0	%100
50	M157	Z	-.293	-.293	0	%100
51	M158	X	-.131	-.131	0	%100
52	M158	Z	-.076	-.076	0	%100
53	M159	X	-.131	-.131	0	%100
54	M159	Z	-.076	-.076	0	%100
55	M160	X	-.262	-.262	0	%100
56	M160	Z	-.151	-.151	0	%100
57	M163	X	-.581	-.581	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,%]
58	M163	Z	-.336	-.336	0	%100
59	M164	X	-.145	-.145	0	%100
60	M164	Z	-.084	-.084	0	%100
61	M168	X	-.785	-.785	0	%100
62	M168	Z	-.453	-.453	0	%100
63	M169	X	-1.066	-1.066	0	%100
64	M169	Z	-.615	-.615	0	%100
65	M171	X	-1.123	-1.123	0	%100
66	M171	Z	-.648	-.648	0	%100
67	M173	X	-.785	-.785	0	%100
68	M173	Z	-.453	-.453	0	%100
69	M174	X	-.267	-.267	0	%100
70	M174	Z	-.154	-.154	0	%100
71	M176	X	-.281	-.281	0	%100
72	M176	Z	-.162	-.162	0	%100
73	M181	X	-.153	-.153	0	%100
74	M181	Z	-.088	-.088	0	%100
75	M106	X	-.153	-.153	0	%100
76	M106	Z	-.088	-.088	0	%100
77	M108	X	-.611	-.611	0	%100
78	M108	Z	-.352	-.352	0	%100
79	M84	X	-.153	-.153	0	%100
80	M84	Z	-.088	-.088	0	%100
81	M88	X	-.153	-.153	0	%100
82	M88	Z	-.088	-.088	0	%100
83	M89	X	-.611	-.611	0	%100
84	M89	Z	-.352	-.352	0	%100
85	MP1A	X	-.414	-.414	0	%100
86	MP1A	Z	-.239	-.239	0	%100
87	MP2A	X	-.414	-.414	0	%100
88	MP2A	Z	-.239	-.239	0	%100
89	MP3A	X	-.414	-.414	0	%100
90	MP3A	Z	-.239	-.239	0	%100
91	MP4A	X	-.414	-.414	0	%100
92	MP4A	Z	-.239	-.239	0	%100
93	MP1C	X	-.414	-.414	0	%100
94	MP1C	Z	-.239	-.239	0	%100
95	MP2C	X	-.414	-.414	0	%100
96	MP2C	Z	-.239	-.239	0	%100
97	MP3C	X	-.414	-.414	0	%100
98	MP3C	Z	-.239	-.239	0	%100
99	MP4C	X	-.414	-.414	0	%100
100	MP4C	Z	-.239	-.239	0	%100
101	MP1B	X	-.414	-.414	0	%100
102	MP1B	Z	-.239	-.239	0	%100
103	MP2B	X	-.414	-.414	0	%100
104	MP2B	Z	-.239	-.239	0	%100
105	MP3B	X	-.414	-.414	0	%100
106	MP3B	Z	-.239	-.239	0	%100
107	MP4B	X	-.414	-.414	0	%100
108	MP4B	Z	-.239	-.239	0	%100
109	M121A	X	-.125	-.125	0	%100
110	M121A	Z	-.072	-.072	0	%100
111	M122A	X	-.499	-.499	0	%100
112	M122A	Z	-.288	-.288	0	%100
113	M123A	X	-.125	-.125	0	%100
114	M123A	Z	-.072	-.072	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	M101	X	-.098	-.098	0	%100
2	M101	Z	-.169	-.169	0	%100
3	M102	X	-.227	-.227	0	%100
4	M102	Z	-.394	-.394	0	%100
5	M111	X	-.227	-.227	0	%100
6	M111	Z	-.394	-.394	0	%100
7	M112	X	-.453	-.453	0	%100
8	M112	Z	-.785	-.785	0	%100
9	M115	X	-.252	-.252	0	%100
10	M115	Z	-.436	-.436	0	%100
11	M116	X	0	0	0	%100
12	M116	Z	0	0	0	%100
13	M120	X	-.151	-.151	0	%100
14	M120	Z	-.262	-.262	0	%100
15	M121	X	-.462	-.462	0	%100
16	M121	Z	-.8	-.8	0	%100
17	M123	X	-.486	-.486	0	%100
18	M123	Z	-.842	-.842	0	%100
19	M125	X	-.151	-.151	0	%100
20	M125	Z	-.262	-.262	0	%100
21	M126	X	0	0	0	%100
22	M126	Z	0	0	0	%100
23	M128	X	0	0	0	%100
24	M128	Z	0	0	0	%100
25	M133	X	-.098	-.098	0	%100
26	M133	Z	-.169	-.169	0	%100
27	M134	X	-.227	-.227	0	%100
28	M134	Z	-.394	-.394	0	%100
29	M135	X	-.227	-.227	0	%100
30	M135	Z	-.394	-.394	0	%100
31	M136	X	-.453	-.453	0	%100
32	M136	Z	-.785	-.785	0	%100
33	M139	X	0	0	0	%100
34	M139	Z	0	0	0	%100
35	M140	X	-.252	-.252	0	%100
36	M140	Z	-.436	-.436	0	%100
37	M144	X	-.151	-.151	0	%100
38	M144	Z	-.262	-.262	0	%100
39	M145	X	0	0	0	%100
40	M145	Z	0	0	0	%100
41	M147	X	0	0	0	%100
42	M147	Z	0	0	0	%100
43	M149	X	-.151	-.151	0	%100
44	M149	Z	-.262	-.262	0	%100
45	M150	X	-.462	-.462	0	%100
46	M150	Z	-.8	-.8	0	%100
47	M152	X	-.486	-.486	0	%100
48	M152	Z	-.842	-.842	0	%100
49	M157	X	-.391	-.391	0	%100
50	M157	Z	-.676	-.676	0	%100
51	M158	X	0	0	0	%100
52	M158	Z	0	0	0	%100
53	M159	X	0	0	0	%100
54	M159	Z	0	0	0	%100
55	M160	X	0	0	0	%100
56	M160	Z	0	0	0	%100
57	M163	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,%]
58	M163	Z	-.436	-.436	0	%100
59	M164	X	-.252	-.252	0	%100
60	M164	Z	-.436	-.436	0	%100
61	M168	X	-.604	-.604	0	%100
62	M168	Z	-1.047	-1.047	0	%100
63	M169	X	-.462	-.462	0	%100
64	M169	Z	-.8	-.8	0	%100
65	M171	X	-.486	-.486	0	%100
66	M171	Z	-.842	-.842	0	%100
67	M173	X	-.604	-.604	0	%100
68	M173	Z	-1.047	-1.047	0	%100
69	M174	X	-.462	-.462	0	%100
70	M174	Z	-.8	-.8	0	%100
71	M176	X	-.486	-.486	0	%100
72	M176	Z	-.842	-.842	0	%100
73	M181	X	-.264	-.264	0	%100
74	M181	Z	-.458	-.458	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M108	X	-.264	-.264	0	%100
78	M108	Z	-.458	-.458	0	%100
79	M84	X	-.264	-.264	0	%100
80	M84	Z	-.458	-.458	0	%100
81	M88	X	0	0	0	%100
82	M88	Z	0	0	0	%100
83	M89	X	-.264	-.264	0	%100
84	M89	Z	-.458	-.458	0	%100
85	MP1A	X	-.239	-.239	0	%100
86	MP1A	Z	-.414	-.414	0	%100
87	MP2A	X	-.239	-.239	0	%100
88	MP2A	Z	-.414	-.414	0	%100
89	MP3A	X	-.239	-.239	0	%100
90	MP3A	Z	-.414	-.414	0	%100
91	MP4A	X	-.239	-.239	0	%100
92	MP4A	Z	-.414	-.414	0	%100
93	MP1C	X	-.239	-.239	0	%100
94	MP1C	Z	-.414	-.414	0	%100
95	MP2C	X	-.239	-.239	0	%100
96	MP2C	Z	-.414	-.414	0	%100
97	MP3C	X	-.239	-.239	0	%100
98	MP3C	Z	-.414	-.414	0	%100
99	MP4C	X	-.239	-.239	0	%100
100	MP4C	Z	-.414	-.414	0	%100
101	MP1B	X	-.239	-.239	0	%100
102	MP1B	Z	-.414	-.414	0	%100
103	MP2B	X	-.239	-.239	0	%100
104	MP2B	Z	-.414	-.414	0	%100
105	MP3B	X	-.239	-.239	0	%100
106	MP3B	Z	-.414	-.414	0	%100
107	MP4B	X	-.239	-.239	0	%100
108	MP4B	Z	-.414	-.414	0	%100
109	M121A	X	0	0	0	%100
110	M121A	Z	0	0	0	%100
111	M122A	X	-.216	-.216	0	%100
112	M122A	Z	-.374	-.374	0	%100
113	M123A	X	-.216	-.216	0	%100
114	M123A	Z	-.374	-.374	0	%100

Member Distributed Loads (BLC 81 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M157	Y	-.46	-8.361	1.038	1.868
2	M157	Y	-8.361	-16.031	1.868	2.698
3	M157	Y	-16.031	-14.893	2.698	3.528
4	M157	Y	-14.893	-9.392	3.528	4.358
5	M157	Y	-9.392	-3.589	4.358	5.188
6	M158	Y	-4.028	-4.41	0	.475
7	M158	Y	-4.41	-7.554	.475	.95
8	M158	Y	-7.554	-10.781	.95	1.425
9	M158	Y	-10.781	-7.795	1.425	1.9
10	M158	Y	-7.795	-1.277	1.9	2.375
11	M159	Y	-2.801	-6.485	0	.475
12	M159	Y	-6.485	-10.204	.475	.95
13	M159	Y	-10.204	-8.379	.95	1.425
14	M159	Y	-8.379	-4.41	1.425	1.9
15	M159	Y	-4.41	-3.875	1.9	2.375
16	M160	Y	-1.694	-.761	0	.206
17	M160	Y	-.761	-.268	.206	.412
18	M160	Y	-.268	-.267	.412	.619
19	M160	Y	-.267	-.763	.619	.825
20	M160	Y	-.763	-1.702	.825	1.031
21	M166	Y	-.601	-.601	0	.167
22	M167	Y	-.843	-.843	.004	.167
23	M171	Y	-16.066	-.843	0	.112
24	M176	Y	-15.723	-.843	0	.112
25	M178	Y	-18.043	-7.018	0	.047
26	M178	Y	-7.018	-1.487	.047	.094
27	M178	Y	-1.487	-.974	.094	.141
28	M178	Y	-.974	-.177	.141	.187
29	M178	Y	-.177	.425	.187	.234
30	M179	Y	.43	-.171	0	.047
31	M179	Y	-.171	-.966	.047	.094
32	M179	Y	-.966	-1.473	.094	.141
33	M179	Y	-1.473	-7.055	.141	.187
34	M179	Y	-7.055	-18.193	.187	.234
35	M181	Y	-6.382e-16	-3.247	8.35	9.463
36	M181	Y	-3.247	-7.327	9.463	10.577
37	M181	Y	-7.327	-5.291	10.577	11.69
38	M181	Y	-5.291	-1.211	11.69	12.803
39	M181	Y	-1.211	-6.382e-16	12.803	13.917
40	M108	Y	0	-1.972	0	1.113
41	M108	Y	-1.972	-5.427	1.113	2.227
42	M108	Y	-5.427	-6.908	2.227	3.34
43	M108	Y	-6.908	-3.453	3.34	4.453
44	M108	Y	-3.453	0	4.453	5.567
45	M83	Y	-10.65	-10.65	0	.25
46	M101	Y	-.46	-8.361	1.038	1.868
47	M101	Y	-8.361	-16.031	1.868	2.698
48	M101	Y	-16.031	-14.893	2.698	3.528
49	M101	Y	-14.893	-9.392	3.528	4.358
50	M101	Y	-9.392	-3.589	4.358	5.188
51	M102	Y	-4.028	-4.41	0	.475
52	M102	Y	-4.41	-7.554	.475	.95
53	M102	Y	-7.554	-10.781	.95	1.425
54	M102	Y	-10.781	-7.795	1.425	1.9
55	M102	Y	-7.795	-1.277	1.9	2.375
56	M111	Y	-2.801	-6.485	0	.475
57	M111	Y	-6.485	-10.204	.475	.95

Member Distributed Loads (BLC 81 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M111	Y	-10.204	-8.379	.95	1.425
59	M111	Y	-8.379	-4.41	1.425	1.9
60	M111	Y	-4.41	-3.875	1.9	2.375
61	M112	Y	-1.694	-.761	0	.206
62	M112	Y	-.761	-.268	.206	.412
63	M112	Y	-.268	-.267	.412	.619
64	M112	Y	-.267	-.763	.619	.825
65	M112	Y	-.763	-1.702	.825	1.031
66	M118	Y	-.601	-.601	0	.167
67	M119	Y	-.843	-.843	.004	.167
68	M123	Y	-16.066	-.843	0	.112
69	M128	Y	-15.723	-.843	0	.112
70	M130	Y	-18.043	-7.018	0	.047
71	M130	Y	-7.018	-1.487	.047	.094
72	M130	Y	-1.487	-.974	.094	.141
73	M130	Y	-.974	-.177	.141	.187
74	M130	Y	-.177	.425	.187	.234
75	M131	Y	.43	-.171	0	.047
76	M131	Y	-.171	-.966	.047	.094
77	M131	Y	-.966	-1.473	.094	.141
78	M131	Y	-1.473	-7.055	.141	.187
79	M131	Y	-7.055	-18.193	.187	.234
80	M181	Y	0	-1.972	0	1.113
81	M181	Y	-1.972	-5.427	1.113	2.227
82	M181	Y	-5.427	-6.908	2.227	3.34
83	M181	Y	-6.908	-3.453	3.34	4.453
84	M181	Y	-3.453	0	4.453	5.567
85	M106	Y	6.382e-16	-3.247	8.35	9.463
86	M106	Y	-3.247	-7.327	9.463	10.577
87	M106	Y	-7.327	-5.291	10.577	11.69
88	M106	Y	-5.291	-1.211	11.69	12.803
89	M106	Y	-1.211	6.382e-16	12.803	13.917
90	M95	Y	-10.65	-10.65	0	.25
91	M133	Y	-.46	-8.361	1.038	1.868
92	M133	Y	-8.361	-16.031	1.868	2.698
93	M133	Y	-16.031	-14.893	2.698	3.528
94	M133	Y	-14.893	-9.392	3.528	4.357
95	M133	Y	-9.392	-3.589	4.357	5.188
96	M134	Y	-4.028	-4.41	0	.475
97	M134	Y	-4.41	-7.554	.475	.95
98	M134	Y	-7.554	-10.781	.95	1.425
99	M134	Y	-10.781	-7.795	1.425	1.9
100	M134	Y	-7.795	-1.277	1.9	2.375
101	M135	Y	-2.801	-6.485	0	.475
102	M135	Y	-6.485	-10.204	.475	.95
103	M135	Y	-10.204	-8.379	.95	1.425
104	M135	Y	-8.379	-4.41	1.425	1.9
105	M135	Y	-4.41	-3.875	1.9	2.375
106	M136	Y	-1.694	-.761	0	.206
107	M136	Y	-.761	-.268	.206	.413
108	M136	Y	-.268	-.267	.413	.619
109	M136	Y	-.267	-.763	.619	.825
110	M136	Y	-.763	-1.702	.825	1.031
111	M142	Y	-.601	-.601	0	.167
112	M143	Y	-.843	-.843	.004	.167
113	M147	Y	-16.066	-.843	0	.112
114	M152	Y	-15.723	-.843	0	.112

Member Distributed Loads (BLC 81 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M154	Y	-18.043	-7.018	0	.047
116	M154	Y	-7.018	-1.487	.047	.094
117	M154	Y	-1.487	-.974	.094	.141
118	M154	Y	-.974	-.177	.141	.187
119	M154	Y	-.177	.425	.187	.234
120	M155	Y	.43	-.171	0	.047
121	M155	Y	-.171	-.966	.047	.094
122	M155	Y	-.966	-1.473	.094	.141
123	M155	Y	-1.473	-7.055	.141	.187
124	M155	Y	-7.055	-18.193	.187	.234
125	M106	Y	-6.382e-16	-1.972	0	1.113
126	M106	Y	-1.972	-5.427	1.113	2.227
127	M106	Y	-5.427	-6.908	2.227	3.34
128	M106	Y	-6.908	-3.453	3.34	4.453
129	M106	Y	-3.453	-6.382e-16	4.453	5.567
130	M108	Y	-6.382e-16	-3.247	8.35	9.463
131	M108	Y	-3.247	-7.327	9.463	10.577
132	M108	Y	-7.327	-5.291	10.577	11.69
133	M108	Y	-5.291	-1.211	11.69	12.803
134	M108	Y	-1.211	-6.382e-16	12.803	13.917
135	M107	Y	-10.65	-10.65	0	.25

Member Distributed Loads (BLC 82 : BLC 2 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M157	Y	-.217	-3.944	1.038	1.868
2	M157	Y	-3.944	-7.562	1.868	2.698
3	M157	Y	-7.562	-7.025	2.698	3.528
4	M157	Y	-7.025	-4.43	3.528	4.358
5	M157	Y	-4.43	-1.693	4.358	5.188
6	M158	Y	-1.9	-2.08	0	.475
7	M158	Y	-2.08	-3.563	.475	.95
8	M158	Y	-3.563	-5.085	.95	1.425
9	M158	Y	-5.085	-3.677	1.425	1.9
10	M158	Y	-3.677	-.602	1.9	2.375
11	M159	Y	-1.321	-3.059	0	.475
12	M159	Y	-3.059	-4.813	.475	.95
13	M159	Y	-4.813	-3.953	.95	1.425
14	M159	Y	-3.953	-2.08	1.425	1.9
15	M159	Y	-2.08	-1.828	1.9	2.375
16	M160	Y	-.799	-.359	0	.206
17	M160	Y	-.359	-.126	.206	.412
18	M160	Y	-.126	-.126	.412	.619
19	M160	Y	-.126	-.36	.619	.825
20	M160	Y	-.36	-.803	.825	1.031
21	M166	Y	-.283	-.283	0	.167
22	M167	Y	-.398	-.398	.004	.167
23	M171	Y	-7.578	-.398	0	.112
24	M176	Y	-7.416	-.398	0	.112
25	M178	Y	-8.511	-3.31	0	.047
26	M178	Y	-3.31	-.702	.047	.094
27	M178	Y	-.702	-.459	.094	.141
28	M178	Y	-.459	-.084	.141	.187
29	M178	Y	-.084	.2	.187	.234
30	M179	Y	.203	-.081	0	.047
31	M179	Y	-.081	-.456	.047	.094
32	M179	Y	-.456	-.695	.094	.141

Member Distributed Loads (BLC 82 : BLC 2 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M179	Y	-.695	-3.328	.141	.187
34	M179	Y	-3.328	-8.582	.187	.234
35	M181	Y	3.191e-16	-1.532	8.35	9.463
36	M181	Y	-1.532	-3.456	9.463	10.577
37	M181	Y	-3.456	-2.496	10.577	11.69
38	M181	Y	-2.496	-.571	11.69	12.803
39	M181	Y	-.571	3.191e-16	12.803	13.917
40	M108	Y	-3.191e-16	-.93	0	1.113
41	M108	Y	-.93	-2.56	1.113	2.227
42	M108	Y	-2.56	-3.258	2.227	3.34
43	M108	Y	-3.258	-1.629	3.34	4.453
44	M108	Y	-1.629	-3.191e-16	4.453	5.567
45	M83	Y	-5.024	-5.024	0	.25
46	M101	Y	-.217	-3.944	1.038	1.868
47	M101	Y	-3.944	-7.562	1.868	2.698
48	M101	Y	-7.562	-7.025	2.698	3.528
49	M101	Y	-7.025	-4.43	3.528	4.358
50	M101	Y	-4.43	-1.693	4.358	5.188
51	M102	Y	-1.9	-2.08	0	.475
52	M102	Y	-2.08	-3.563	.475	.95
53	M102	Y	-3.563	-5.085	.95	1.425
54	M102	Y	-5.085	-3.677	1.425	1.9
55	M102	Y	-3.677	-.602	1.9	2.375
56	M111	Y	-1.321	-3.059	0	.475
57	M111	Y	-3.059	-4.813	.475	.95
58	M111	Y	-4.813	-3.953	.95	1.425
59	M111	Y	-3.953	-2.08	1.425	1.9
60	M111	Y	-2.08	-1.828	1.9	2.375
61	M112	Y	-.799	-.359	0	.206
62	M112	Y	-.359	-.126	.206	.412
63	M112	Y	-.126	-.126	.412	.619
64	M112	Y	-.126	-.36	.619	.825
65	M112	Y	-.36	-.803	.825	1.031
66	M118	Y	-.283	-.283	0	.167
67	M119	Y	-.398	-.398	.004	.167
68	M123	Y	-7.578	-.398	0	.112
69	M128	Y	-7.416	-.398	0	.112
70	M130	Y	-8.511	-3.31	0	.047
71	M130	Y	-3.31	-.702	.047	.094
72	M130	Y	-.702	-.459	.094	.141
73	M130	Y	-.459	-.084	.141	.187
74	M130	Y	-.084	.2	.187	.234
75	M131	Y	.203	-.081	0	.047
76	M131	Y	-.081	-.456	.047	.094
77	M131	Y	-.456	-.695	.094	.141
78	M131	Y	-.695	-3.328	.141	.187
79	M131	Y	-3.328	-8.582	.187	.234
80	M181	Y	-3.191e-16	-.93	0	1.113
81	M181	Y	-.93	-2.56	1.113	2.227
82	M181	Y	-2.56	-3.258	2.227	3.34
83	M181	Y	-3.258	-1.629	3.34	4.453
84	M181	Y	-1.629	-3.191e-16	4.453	5.567
85	M106	Y	3.191e-16	-1.532	8.35	9.463
86	M106	Y	-1.532	-3.456	9.463	10.577
87	M106	Y	-3.456	-2.496	10.577	11.69
88	M106	Y	-2.496	-.571	11.69	12.803
89	M106	Y	-.571	3.191e-16	12.803	13.917

Member Distributed Loads (BLC 82 : BLC 2 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
90	M95	Y	-5.024	-5.024	0	.25
91	M133	Y	-.217	-3.944	1.038	1.868
92	M133	Y	-3.944	-7.562	1.868	2.698
93	M133	Y	-7.562	-7.025	2.698	3.528
94	M133	Y	-7.025	-4.43	3.528	4.357
95	M133	Y	-4.43	-1.693	4.357	5.188
96	M134	Y	-1.9	-2.08	0	.475
97	M134	Y	-2.08	-3.563	.475	.95
98	M134	Y	-3.563	-5.085	.95	1.425
99	M134	Y	-5.085	-3.677	1.425	1.9
100	M134	Y	-3.677	-.602	1.9	2.375
101	M135	Y	-1.321	-3.059	0	.475
102	M135	Y	-3.059	-4.813	.475	.95
103	M135	Y	-4.813	-3.953	.95	1.425
104	M135	Y	-3.953	-2.08	1.425	1.9
105	M135	Y	-2.08	-1.828	1.9	2.375
106	M136	Y	-.799	-.359	0	.206
107	M136	Y	-.359	-.126	.206	.413
108	M136	Y	-.126	-.126	.413	.619
109	M136	Y	-.126	-.36	.619	.825
110	M136	Y	-.36	-.803	.825	1.031
111	M142	Y	-.283	-.283	0	.167
112	M143	Y	-.398	-.398	.004	.167
113	M147	Y	-7.578	-.398	0	.112
114	M152	Y	-7.416	-.398	0	.112
115	M154	Y	-8.511	-3.31	0	.047
116	M154	Y	-3.31	-.702	.047	.094
117	M154	Y	-.702	-.459	.094	.141
118	M154	Y	-.459	-.084	.141	.187
119	M154	Y	-.084	.2	.187	.234
120	M155	Y	.203	-.081	0	.047
121	M155	Y	-.081	-.456	.047	.094
122	M155	Y	-.456	-.695	.094	.141
123	M155	Y	-.695	-3.328	.141	.187
124	M155	Y	-3.328	-8.582	.187	.234
125	M106	Y	0	-.93	0	1.113
126	M106	Y	-.93	-2.56	1.113	2.227
127	M106	Y	-2.56	-3.258	2.227	3.34
128	M106	Y	-3.258	-1.629	3.34	4.453
129	M106	Y	-1.629	0	4.453	5.567
130	M108	Y	0	-1.532	8.35	9.463
131	M108	Y	-1.532	-3.456	9.463	10.577
132	M108	Y	-3.456	-2.496	10.577	11.69
133	M108	Y	-2.496	-.571	11.69	12.803
134	M108	Y	-.571	0	12.803	13.917
135	M107	Y	-5.024	-5.024	0	.25

Member Area Loads (BLC 1 : Antenna D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N239	N238	N220	N227	Y	Two Way	-.011
2	N183	N182	N147	N171	Y	Two Way	-.011
3	N211	N210	N192	N199	Y	Two Way	-.011

Member Area Loads (BLC 2 : Antenna Di)

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

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N239	N238	N220	N227	Y	Two Way	-.005
2	N183	N182	N147	N171	Y	Two Way	-.005
3	N211	N210	N192	N199	Y	Two Way	-.005

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	N146	max	2485.859	11	2932.564	5	1535.618	11	1.636	11	1.057	8	6.696	5
2		min	-2408.135	5	-562.976	11	-1476.631	5	-3.816	5	-1.024	2	-2.97	11
3	N191	max	673.191	10	2842.33	1	2620.69	1	7.493	1	1.195	4	.298	4
4		min	-658.941	4	-503.131	7	-2714.418	7	-3.136	7	-1.163	10	-.262	10
5	N219	max	2382.574	9	2910.434	9	1365.133	3	1.728	3	1.156	12	2.835	3
6		min	-2474.276	3	-540.632	3	-1330.527	9	-3.85	9	-1.127	6	-6.595	9
7	Totals:	max	5115.94	10	7117.502	14	4969.55	1						
8		min	-5115.947	4	3524.516	8	-4969.548	7						

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

	Member	Shape	Code Check	Lo...	...	She...	Lo...	...	...	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
1	M101	HSS4X...	.629	0	5	.124	0	y	30	9584...	106812	12.662	12.662	...	H1-1b
2	M102	HSS4X...	.266	2.3...	6	.083	.223	y	5	1044...	106812	12.662	12.662	...	H1-1b
3	M111	HSS4X...	.271	0	4	.086	2.1...	y	5	1044...	106812	12.662	12.662	...	H1-1b
4	M112	PL1/2x6	.255	.516	5	.267	1.0...	y	8	6621...	97200	1.012	12.15	...	H1-1b
5	M115	L2x2x3	.148	4.1...	5	.013	0	z	8	9823...	2339...	.558	1.074	...	H2-1
6	M116	L2x2x3	.152	4.1...	4	.012	4.1...	z	2	9823...	2339...	.558	1.074	...	H2-1
7	M120	PL3/8x6	.229	0	8	.242	0	y	9	7064...	72900	.57	9.113	...	H1-1b
8	M121	PL3/8x6	.273	.167	11	.391	0	y	18	7158...	72900	.57	9.113	...	H1-1b
9	M123	PL1/2x6	.090	.112	5	.185	.112	y	9	9676...	97200	1.012	12.15	...	H1-1b
10	M125	PL3/8x6	.283	0	5	.285	0	y	13	7064...	72900	.57	9.113	...	H1-1b
11	M126	PL3/8x6	.287	.167	11	.385	0	y	4	7158...	72900	.57	9.113	...	H1-1b
12	M128	PL1/2x6	.095	.112	4	.172	.112	y	1	9676...	97200	1.012	12.15	...	H1-1b
13	M133	HSS4X...	.609	0	1	.104	0	y	12	9584...	106812	12.662	12.662	...	H1-1b
14	M134	HSS4X...	.264	2.3...	2	.081	2.3...	y	13	1044...	106812	12.662	12.662	...	H1-1b
15	M135	HSS4X...	.268	0	12	.084	2.1...	y	1	1044...	106812	12.662	12.662	...	H1-1b
16	M136	PL1/2x6	.241	.516	1	.279	1.0...	y	4	6621...	97200	1.012	12.15	...	H1-1b
17	M139	L2x2x3	.144	0	2	.013	0	z	4	9823...	2339...	.558	1.074	...	H2-1
18	M140	L2x2x3	.151	4.1...	12	.013	4.1...	z	10	9823...	2339...	.558	1.074	...	H2-1
19	M144	PL3/8x6	.228	0	4	.243	0	y	5	7064...	72900	.57	9.113	...	H1-1b
20	M145	PL3/8x6	.258	.167	7	.405	0	y	14	7158...	72900	.57	9.113	...	H1-1b
21	M147	PL1/2x6	.086	.112	1	.188	.112	y	5	9676...	97200	1.012	12.15	...	H1-1b
22	M149	PL3/8x6	.262	0	1	.289	0	y	21	7064...	72900	.57	9.113	...	H1-1b
23	M150	PL3/8x6	.273	.167	7	.396	0	y	24	7158...	72900	.57	9.113	...	H1-1b
24	M152	PL1/2x6	.091	.112	12	.178	.112	y	9	9676...	97200	1.012	12.15	...	H1-1b
25	M157	HSS4X...	.616	0	9	.121	0	y	44	9584...	106812	12.662	12.662	...	H1-1b
26	M158	HSS4X...	.271	2.3...	10	.082	.223	y	9	1044...	106812	12.662	12.662	...	H1-1b
27	M159	HSS4X...	.264	0	8	.085	2.1...	y	9	1044...	106812	12.662	12.662	...	H1-1b
28	M160	PL1/2x6	.248	.516	9	.269	1.0...	y	12	6621...	97200	1.012	12.15	...	H1-1b
29	M163	L2x2x3	.149	0	10	.013	0	z	12	9823...	2339...	.558	1.074	...	H2-1
30	M164	L2x2x3	.149	0	10	.013	4.1...	z	6	9823...	2339...	.558	1.074	...	H2-1
31	M168	PL3/8x6	.220	0	12	.238	0	y	1	7064...	72900	.57	9.113	...	H1-1b
32	M169	PL3/8x6	.272	.167	3	.394	0	y	22	7158...	72900	.57	9.113	...	H1-1b
33	M171	PL1/2x6	.091	.112	10	.179	.112	y	1	9676...	97200	1.012	12.15	...	H1-1b
34	M173	PL3/8x6	.267	0	9	.285	0	y	17	7064...	72900	.57	9.113	...	H1-1b
35	M174	PL3/8x6	.281	.167	3	.383	0	y	21	7158...	72900	.57	9.113	...	H1-1b
36	M176	PL1/2x6	.093	.112	9	.181	.112	y	5	9676...	97200	1.012	12.15	...	H1-1b
37	M181	PIPE_3.0	.228	8.8...	10	.099	4.2...		7	2308...	65205	5.749	5.749	...	H1-1b

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

	Member	Shape	Code Check	Lo...	...	She...	Lo...	...	...	phi*P...	phi*P...	phi*M...	phi*M...	...	Eqn
38	M106	PIPE_3.0	.231	8.8...	5	.102	4.2...		3	2308...	65205	5.749	5.749	...	H1-1b
39	M108	PIPE_3.0	.224	4.9...	9	.102	4.2...		11	2308...	65205	5.749	5.749	...	H1-1b
40	M84	PIPE_3.0	.252	4.3...	4	.115	1.45		1	2308...	65205	5.749	5.749	...	H1-1b
41	M88	PIPE_3.0	.247	4.3...	12	.113	1.3...		9	2308...	65205	5.749	5.749	...	H1-1b
42	M89	PIPE_3.0	.248	4.3...	9	.112	1.3...		5	2308...	65205	5.749	5.749	...	H1-1b
43	MP1A	PIPE_2.0	.480	1.9...	9	.137	1.9...		7	2086...	32130	1.872	1.872	...	H1-1b
44	MP2A	PIPE_2.0	.745	6.3...	10	.178	6.3...		11	1214...	32130	1.872	1.872	...	H1-1b
45	MP3A	PIPE_2.0	.751	5.6...	4	.135	5.6...		6	2086...	32130	1.872	1.872	...	H1-1b
46	MP4A	PIPE_2.0	.500	1.9...	5	.134	5.4...		6	2086...	32130	1.872	1.872	...	H1-1b
47	MP1C	PIPE_2.0	.488	1.9...	4	.143	1.9...		3	2086...	32130	1.872	1.872	...	H1-1b
48	MP2C	PIPE_2.0	.755	6.3...	5	.176	6.3...		7	1214...	32130	1.872	1.872	...	H1-1b
49	MP3C	PIPE_2.0	.730	5.6...	12	.129	5.6...		2	2086...	32130	1.872	1.872	...	H1-1b
50	MP4C	PIPE_2.0	.482	1.9...	1	.136	1.9...		3	2086...	32130	1.872	1.872	...	H1-1b
51	MP1B	PIPE_2.0	.475	1.9...	12	.142	1.9...		11	2086...	32130	1.872	1.872	...	H1-1b
52	MP2B	PIPE_2.0	.723	6.3...	1	.180	6.3...		3	1214...	32130	1.872	1.872	...	H1-1b
53	MP3B	PIPE_2.0	.742	5.6...	9	.136	5.6...		10	2086...	32130	1.872	1.872	...	H1-1b
54	MP4B	PIPE_2.0	.497	1.9...	9	.137	5.4...		10	2086...	32130	1.872	1.872	...	H1-1b
55	M121A	L2.5x2....	.718	0	11	.144	0	z	12	3637...	38556	1.114	2.537	...	H2-1
56	M122A	L2.5x2....	.679	0	7	.143	0	z	8	3637...	38556	1.114	2.537	...	H2-1
57	M123A	L2.5x2....	.725	0	3	.151	0	z	4	3637...	38556	1.114	2.537	...	H2-1

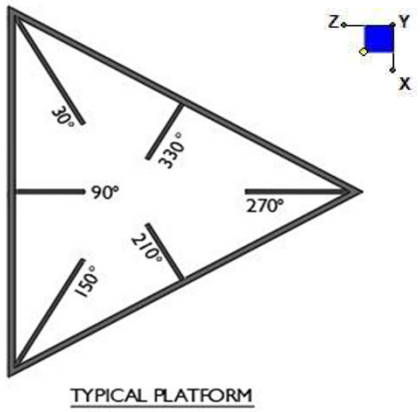
Client:	Verizon	Date:	6/11/2021
Site Name:	Wallingford 1		
Project No.	21777139A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

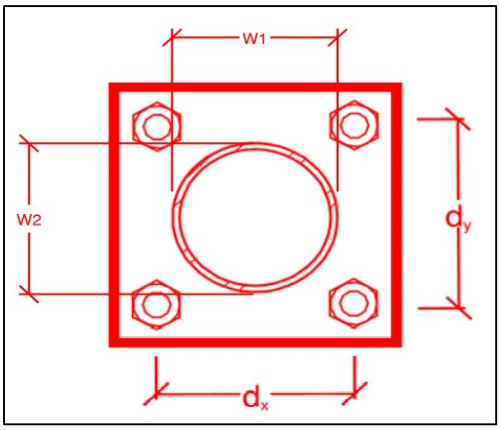
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N219	210
N191	90
N146	330



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):	33.7
Required Shear Strength (kips):	4.4
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**40.6%***
Shear Capacity Overall:	**8.9%**



**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):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	4.52
Plate Bending Capacity:	**53.7%**
Weld Capacity:	**81.1%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	16.8
$Phi*Mn_{xx}$ *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.2
$Phi*Mn_{yy}$ *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Rotate existing radio / Verify Weld size

Response:

1. Contractor to rotate existing radio (B2/B66A RRH-BR049) at position 3 sideways. (Typ. All sectors) 2. Contractor to verify weld connection between standoff arm and end plate is at least ¼'' thick. Report to EOR immediately if the weld thickness is less than ¼''.

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: 468781-VZW - WESTBROOK 2 CT

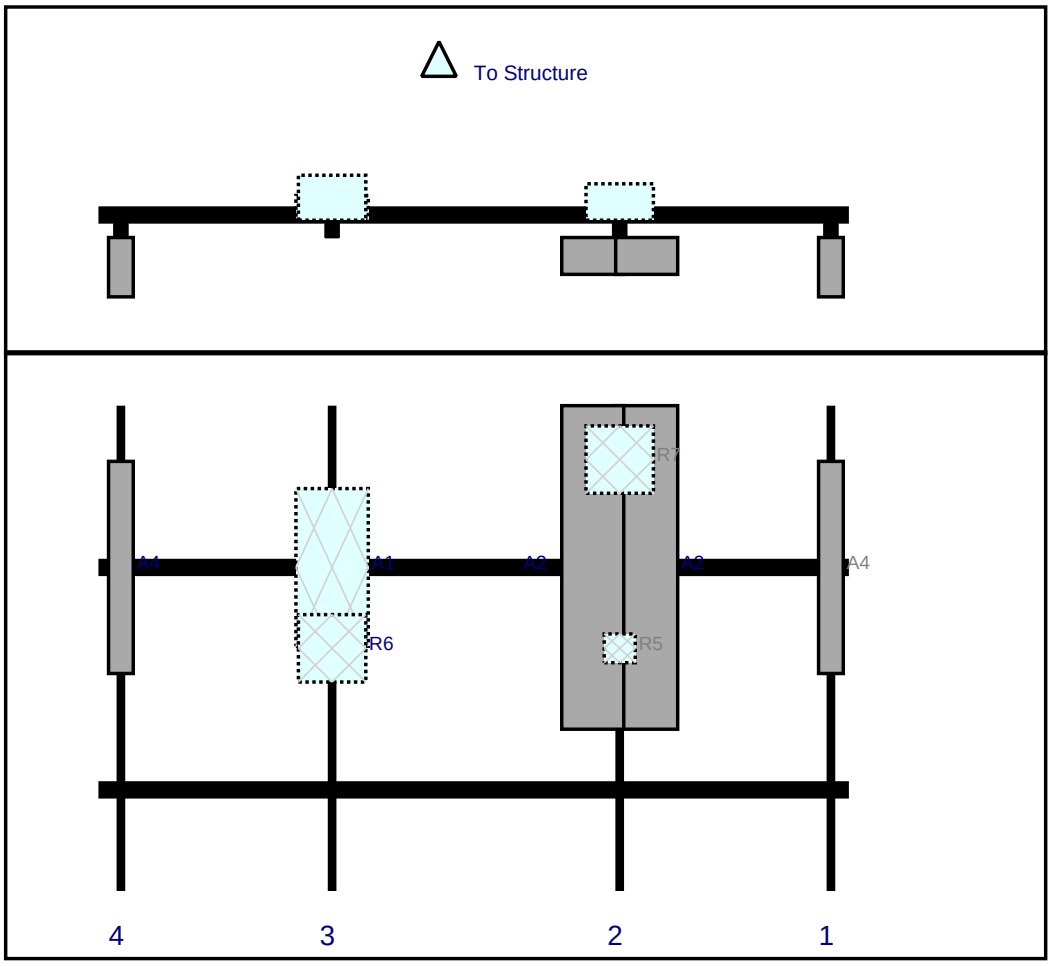
Sector: **A** 6/9/2021

Structure Type: Monopole

Mount Elev: 114.00 Page: 1

Plan View

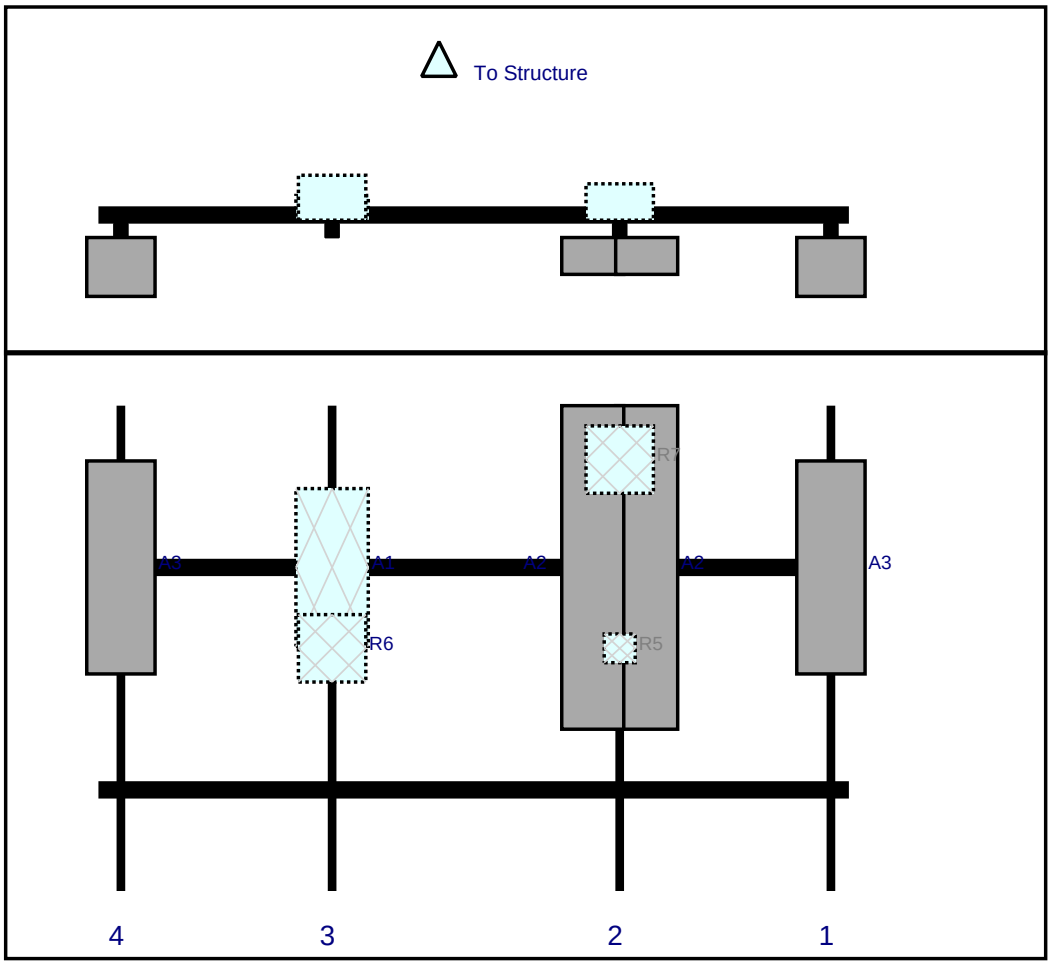
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	LPA-80080-4CF-EDIN-0	47.2	5.5	163	1	a	Front	36	0	Retained	03/23/2021
A2	JAHH-65B-R3B	72	13.8	116	2	a	Front	36	6	Retained	03/23/2021
A2	JAHH-65B-R3B	72	13.8	116	2	b	Front	36	-6	Retained	03/23/2021
R5	CBC78T-DS-43-2X	6.4	6.9	116	2	a	Behind	54	0	Retained	03/23/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	116	2	a	Behind	12	0	Retained	03/23/2021
A1	MT6407-77A	35.1	16.1	52	3	a	Behind	36	0	Added	
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	52	3	a	Behind	54	0	Retained	03/23/2021
A4	LPA-80080-4CF-EDIN-0	47.2	5.5	5	4	a	Front	36	0	Retained	03/23/2021

Plan View

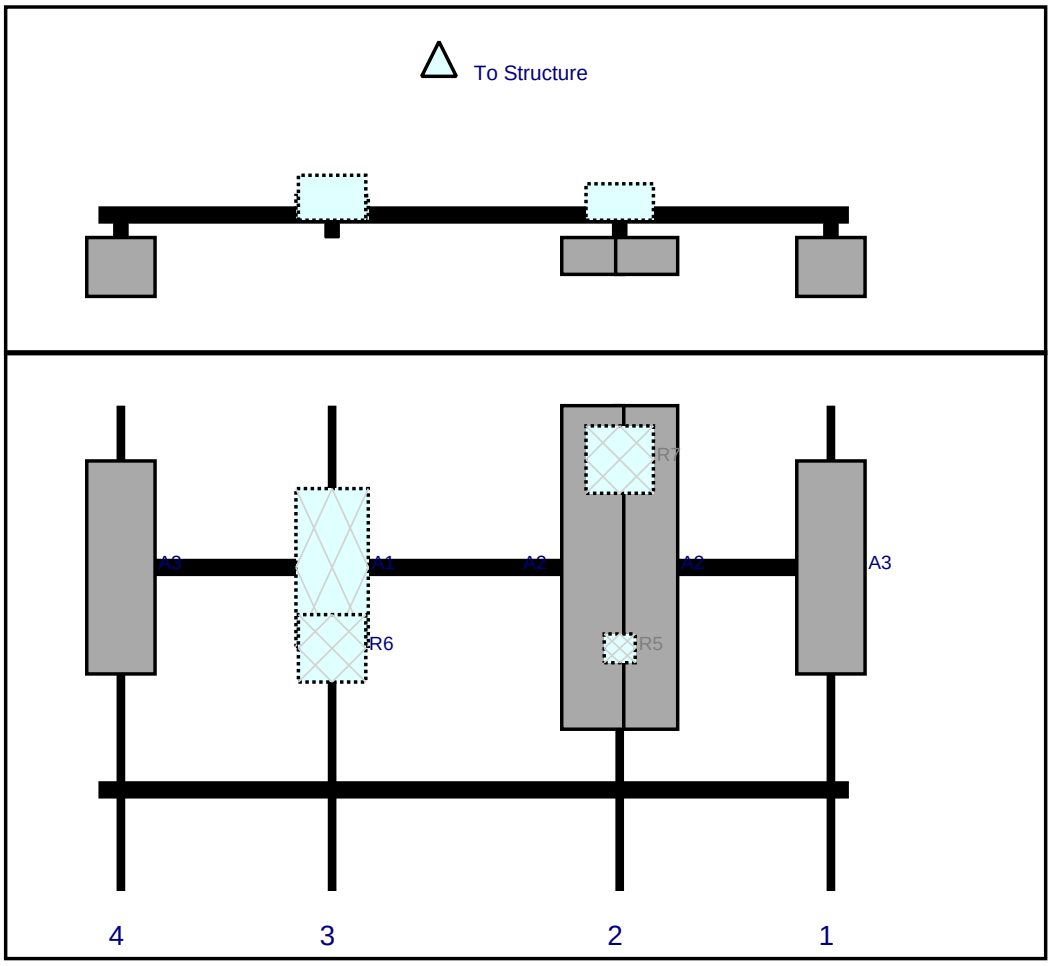
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	163	1	a	Front	36	0	Retained	03/23/2021
A2	JAHH-65B-R3B	72	13.8	116	2	a	Front	36	6	Retained	03/23/2021
A2	JAHH-65B-R3B	72	13.8	116	2	b	Front	36	-6	Retained	03/23/2021
R5	CBC78T-DS-43-2X	6.4	6.9	116	2	a	Behind	54	0	Retained	03/23/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	116	2	a	Behind	12	0	Retained	03/23/2021
A1	MT6407-77A	35.1	16.1	52	3	a	Behind	36	0	Added	
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	52	3	a	Behind	54	0	Retained	03/23/2021
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	5	4	a	Front	36	0	Retained	03/23/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	163	1	a	Front	36	0	Retained	03/23/2021
A2	JAHH-65B-R3B	72	13.8	116	2	a	Front	36	6	Retained	03/23/2021
A2	JAHH-65B-R3B	72	13.8	116	2	b	Front	36	-6	Retained	03/23/2021
R5	CBC78T-DS-43-2X	6.4	6.9	116	2	a	Behind	54	0	Retained	03/23/2021
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	116	2	a	Behind	12	0	Retained	03/23/2021
A1	MT6407-77A	35.1	16.1	52	3	a	Behind	36	0	Added	
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	52	3	a	Behind	54	0	Retained	03/23/2021
A3	LPA-80063-4CF-EDIN-8	47.4	15.2	5	4	a	Front	36	0	Retained	03/23/2021

Maser Consulting

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*468781-VZW / WESTBROOK 2 CT*
	Site Name:	*WESTBROOK 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*782 Old Clinton Rd Westbrook, Connecticut 06498, Middlesex County*
	Latitude:	*41.290472°*
	Longitude:	*-72.468278°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.92-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Petros Tsoukalas, P.E.
Geographic Discipline Leader

Exhibit F

Power Density/RF Emissions Report

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

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)
VZW 700	751	4	628	2511	117	0.0066
VZW CDMA	877.26	2	367	735	117	0.0019
VZW Cellular	874	4	725	2902	117	0.0076
VZW PCS	1975	4	1525	6100	117	0.0160
VZW AWS	2120	4	1493	5973	117	0.0157
VZW CBAND	3730.08	4	6531	26125	117	0.0686

Total Percentage of Maximum Permissible Exposure

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

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

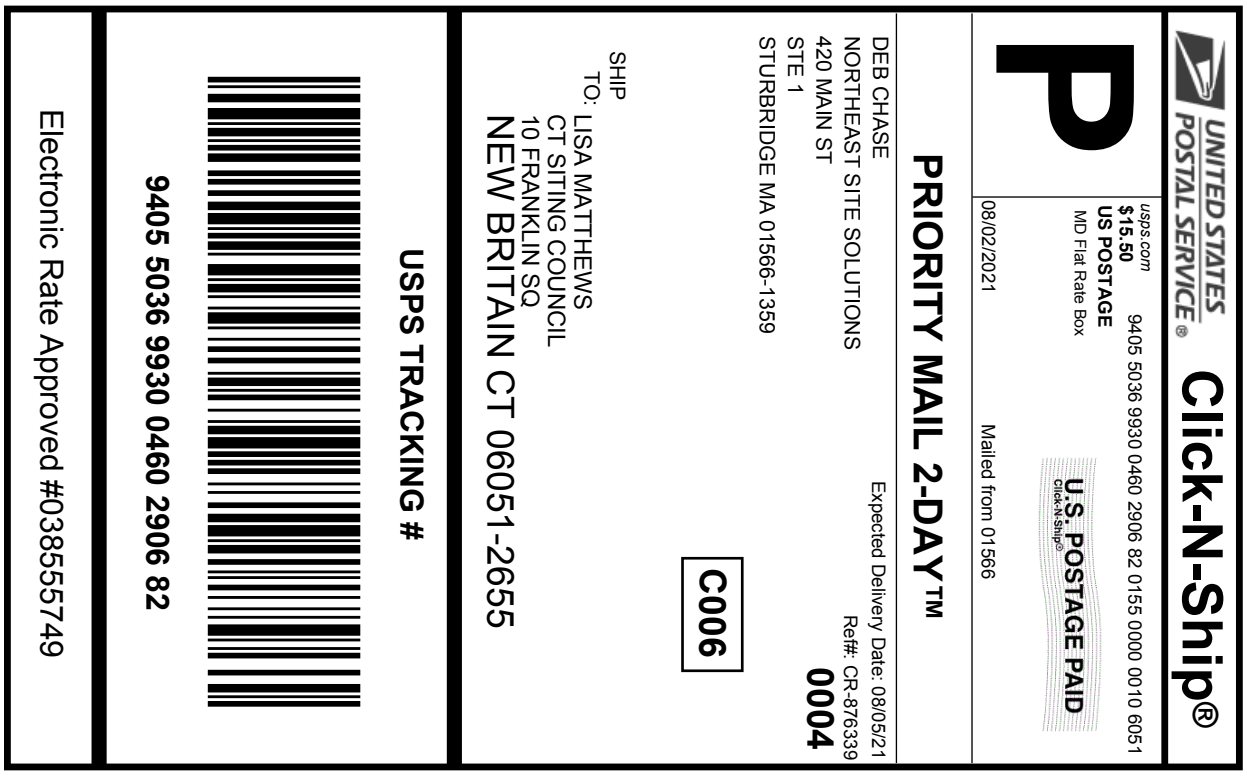
Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm^2)	(%)
0.5007	1.32%
0.5848	0.33%
0.5827	1.31%
1.0000	1.60%
1.0000	1.57%
1.0000	6.86%
	12.99%

/IEEE C95.1-199
il's November 10, 2015 Memorandum for Exempt Modification filing

Exhibit G

Recipient Mailings



Cut on dotted line.

Instructions

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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0460 2906 82

Trans. #:	539678798
Print Date:	07/30/2021
Ship Date:	08/02/2021
Expected Delivery Date:	08/05/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

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

Ref#: CR-876339

To: LISA MATTHEWS
CT SITING COUNCIL
10 FRANKLIN SQ
NEW BRITAIN CT 06051-2655

* 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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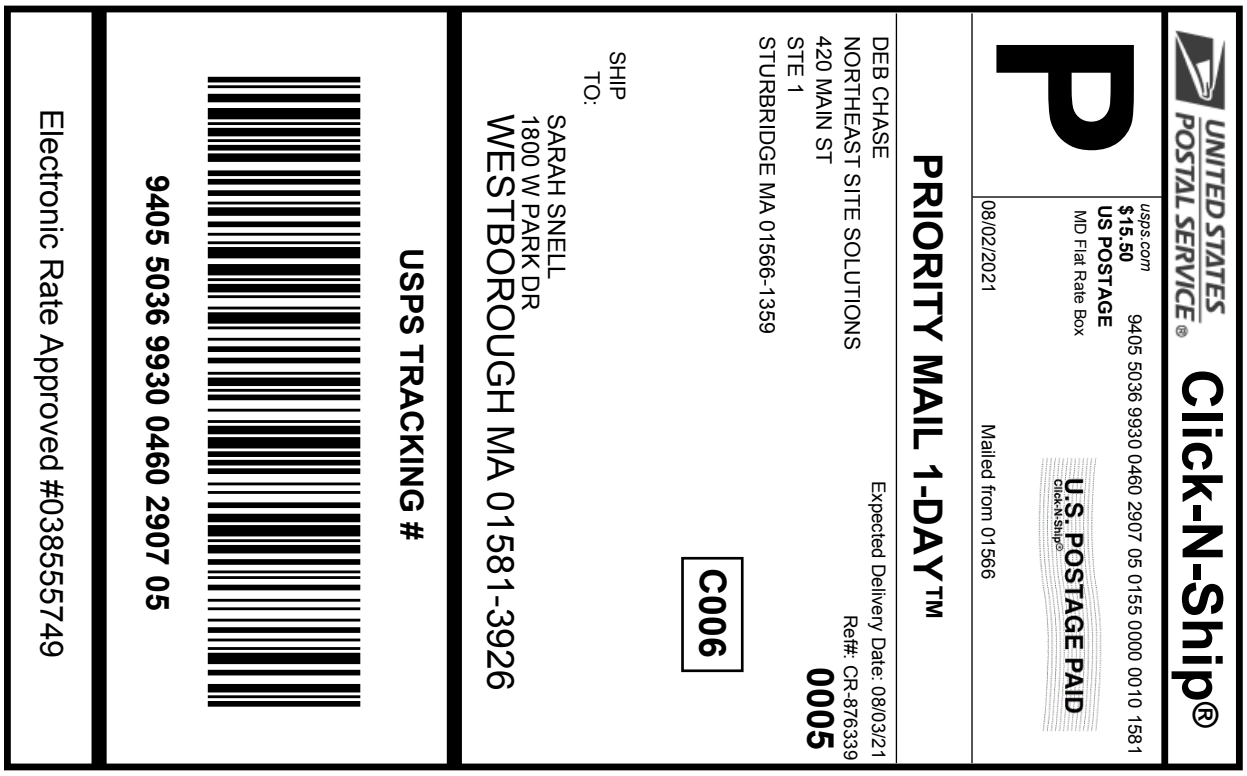
Check the status of your shipment on the USPS Tracking® page at usps.com



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 0460 2907 05

Trans. #:	539678798
Print Date:	07/30/2021
Ship Date:	08/02/2021
Expected Delivery Date:	08/03/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

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

Ref#: CR-876339

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

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Tracking Number: 9405503699300460290705

Re

Your item was delivered in or at the mailbox at 12:13 pm on August 4, 2021 in WESTBOROUGH, MA 01581.

USPS Tracking Plus™ Available

Status

Delivered, In/At Mailbox

August 4, 2021 at 12:13 pm
WESTBOROUGH, MA 01581

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Tracking History

USPS Tracking Plus™

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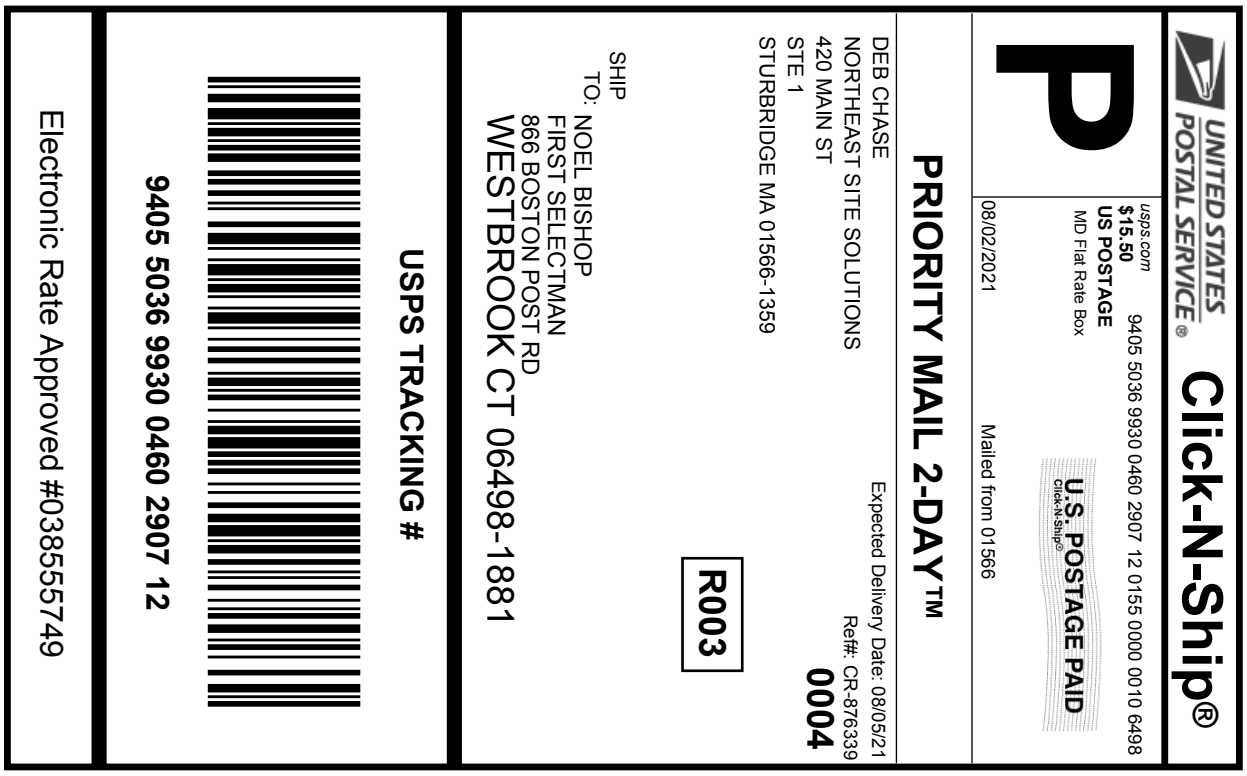

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5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0460 2907 12

Trans. #:	539678798
Print Date:	07/30/2021
Ship Date:	08/02/2021
Expected Delivery Date:	08/05/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

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

Ref#: CR-876339

To: NOEL BISHOP
FIRST SELECTMAN
866 BOSTON POST RD
WESTBROOK CT 06498-1881

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

Tracking Number: 9405503699300460290712

Rem

Your item was delivered to the front desk, reception area, or mail room at 9:56 am on August 5, 2021 in WESTBROOK, CT 06498.

USPS Tracking Plus™ Available

Status

Delivered, Front Desk/Reception/Mail Room

August 5, 2021 at 9:56 am
WESTBROOK, CT 06498

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Tracking History

USPS Tracking Plus™

Product Information

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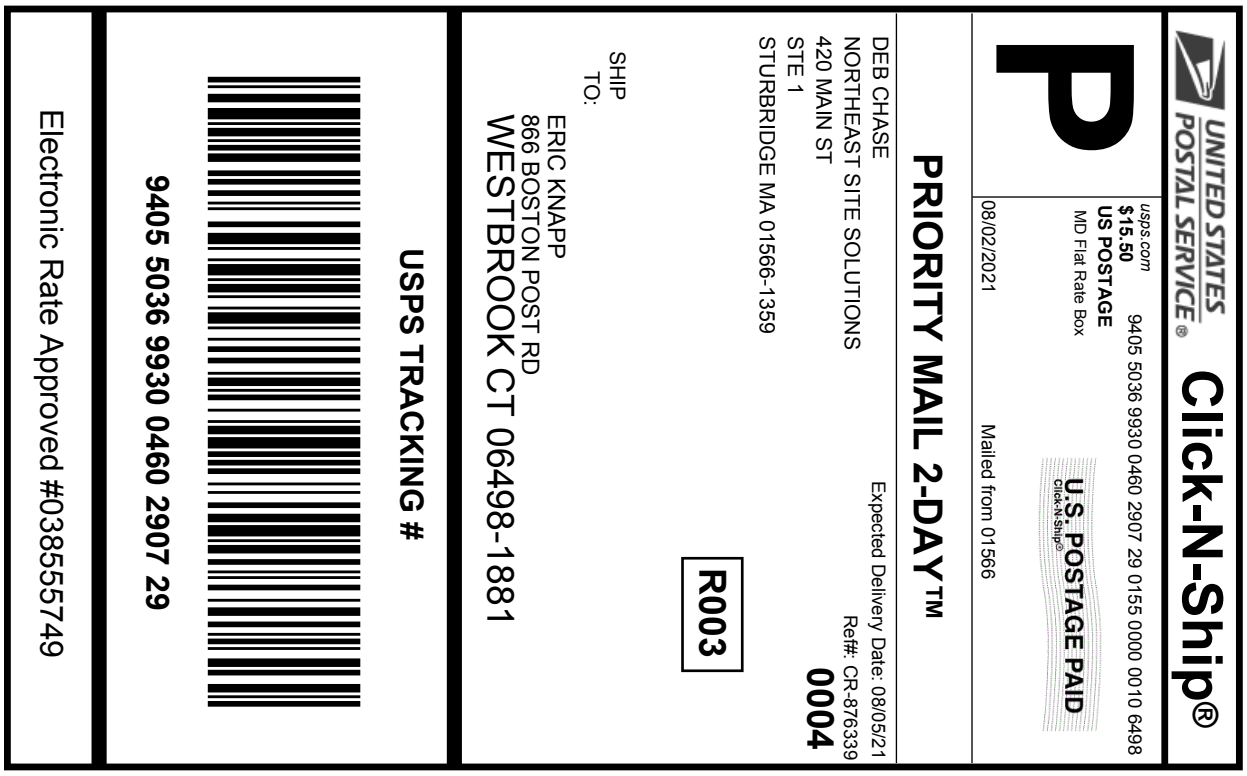

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5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0460 2907 29

Trans. #:	539678798
Print Date:	07/30/2021
Ship Date:	08/02/2021
Expected Delivery Date:	08/05/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

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

Ref#: CR-876339

To: ERIC KNAPP
866 BOSTON POST RD
WESTBROOK CT 06498-1881

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

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

Tracking Number: 9405503699300460290729

Your item was delivered to the front desk, reception area, or mail room at 9:56 am on August 5, 2021 in WESTBROOK, CT 06498.

USPS Tracking Plus™ Available

Status

Delivered, Front Desk/Reception/Mail Room

August 5, 2021 at 9:56 am
WESTBROOK, CT 06498

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Tracking History

USPS Tracking Plus™

Product Information

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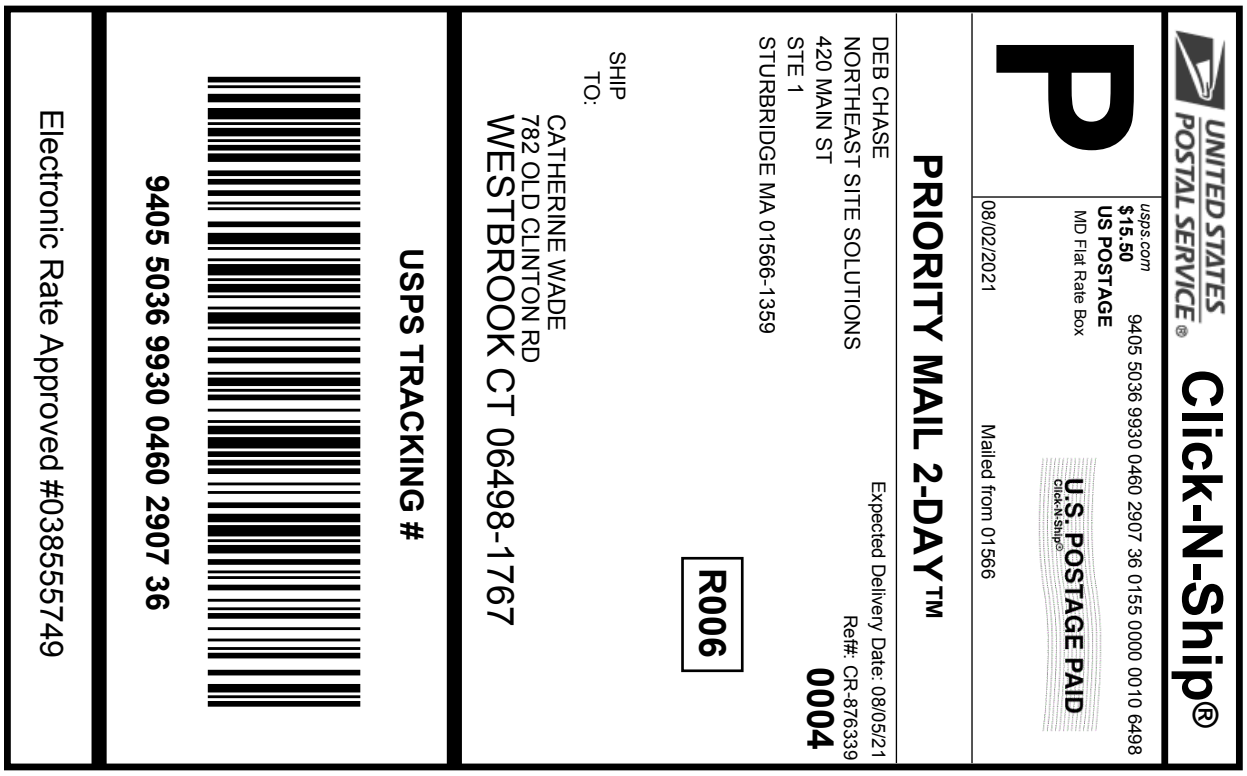

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0460 2907 36

Trans. #:	539678798
Print Date:	07/30/2021
Ship Date:	08/02/2021
Expected Delivery Date:	08/05/2021

Priority Mail® Postage:	**$15.50**
Total:	**$15.50**

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

Ref#: CR-876339

To: CATHERINE WADE
782 OLD CLINTON RD
WESTBROOK CT 06498-1767

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

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

Tracking Number: 9405503699300460290736

Your item was delivered to the garage or an alternate location at the address at 9:56 am on August 5, 2021 in WESTBROOK, CT 06498.

USPS Tracking Plus™ Available

Status

Delivered, Garage or Other Location at Address

August 5, 2021 at 9:56 am
WESTBROOK, CT 06498

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