NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

April 15, 2022

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

RE: Exempt Modification Application
49 South Road, Bolton, CT 06043
Latitude: 41.789000
Longitude: -72.429222
Site #: 842858_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 49 South Road, Bolton, CT 06043. Verizon Wireless currently maintains twelve (12) antennas at the 107-foot level of the existing 120-foot tower. The property is owned by the Leonard & Cheryl Giglio and the tower is owned by Crown Castle. Verizon now intends to remove (6) antennas and install (9) new antennas. The new antennas would be installed at the 107-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated August 17, 2021.

Verizon Planned Modifications:

Remove: None

Remove and Replace:
(3) ANTEL Antennas (REMOVE) – (3) COMMSCOPE NHH-65B-R2B Antennas (REPLACE)
(3) ANTEL Antennas (REMOVE) – (3) COMMSCOPE NHHSS-65B-R2B Antennas (REPLACE)

Install New:
(3) SAMSUNG MT6407-77A Antennas
(3) SAMSUNG RF4439D-25A RRH
(3) SAMSUNG RF4440D-13A RRH
(3) SAMSUNG CBRS RT4401-48A RRH
(2) RAYCAP RRFDC-3315-PF-48 OVP
(2) Hybrid Lines

Existing to Remain:
(6) ANTEL Antennas
(6) 1-5/8" Coax

NORTHEAST SITE SOLUTIONS

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This facility was approved by the Connecticut Siting Council, Docket No. 240 on July 7, 2003, 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 Pamela Z. Sawyer, First Selectman and Mike D'Amato, Zoning Enforcement Officer for the Town of Bolton. A copy is also being sent to the tower owner and property owner.

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

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

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

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

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

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

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

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

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: Pamela Z. Sawyer, First Selectman
Town of Bolton
222 Bolton Center Road
Bolton, CT 06043

Jennifer Roy, Zoning Enforcement Officer
Town of Bolton
222 Bolton Center Road
Bolton, CT 06043

Leonard & Cheryl Giglio - Property Owners
49 South Road
Bolton, CT 06043

Crown Castle – Tower Owner

Exhibit A

Original Facility Approval

DOCKET NO. 240 – AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility in Bolton, Connecticut.	}	Connecticut
	}	Siting
	}	Council
		July 7, 2003

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to AT&T Wireless PCS, LLC (AT&T) for the construction, maintenance and operation of a wireless telecommunications facility at proposed Candidate A site (Giglio property) located at 49 South Road, Bolton, Connecticut. We deny certification of the proposed Candidate B site located at 299 Hop River Road (Route 6), Bolton, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T and other entities, both public and private, but such tower shall not exceed a height of 120 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include:

    a) a detailed site development plan that depicts the location of the access road, compound, tower, and utility line;
    b) specifications for the tower, tower foundation, antennas, equipment building, and security fence;
    c) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power densities of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new state or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant
AT&T Wireless PCS, LLC
d/b/a AT&T Wireless

Its Representative
Christopher B. Fisher, Esq.
Cuddy & Feder & Worby LLP
90 Maple Avenue
White Plains, NY 10601
(914) 761-1300
(914) 761-6405 - fax

CERTIFICATION

The undersigned members of the Connecticut Siting Council (Council) hereby certify that they have heard this case, or read the record thereof, in **DOCKET NO. 240** – AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility in Bolton, Connecticut, and voted as follows to approve the proposed Candidate A site located at 49 South Road (Giglio property), Bolton, Connecticut, and deny certification of the proposed Candidate B site located at 299 Hop River Road (Route 6), Bolton, Connecticut:

Council Members	Vote Cast
Pamela B. Katz, P.E., Chairman	Yes
Commissioner Donald W. Downes Designee: Gerald J. Heffernan	Yes
Commissioner Arthur J. Rocque, Jr. Designee: Brian J. Emerick	Yes
Philip Ashton	Yes
Daniel P. Lynch, Jr.	No
James J. Murphy, Jr.	Abstain
Brian O'Neill	No
Colin C. Tait	No
Edward S. Wilensky	Abstain

Dated at New Britain, Connecticut July 8, 2003.

STATE OF CONNECTICUT)

ss. New Britain, Connecticut :

COUNTY OF HARTFORD)

I hereby certify that the foregoing is a true and correct copy of the Findings of Fact, Opinion, and Decision and Order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

S. Derek Phelps
Executive Director
Connecticut Siting Council

I certify that a copy of the Findings of Fact, Opinion, and Decision and Order in Docket No. 240 has been forwarded by Certified First Class Return Receipt Requested mail on July 11, 2003, to all parties and intervenors of record as listed on the attached service list, dated January 21, 2003.

ATTEST:

Lisa Fontaine
Administrative Assistant
Connecticut Siting Council

Exhibit B

Property Card

49 SOUTH RD

Location	49 SOUTH RD	**Mblu**	05/ / 107/ /
Owner	GIGLIO LEONARD W &	**Assessment**	$394,650
Appraisal	$743,600	**PID**	1348
Building Count	1		

Current Value

Appraisal	
Valuation Year	**Total**
2018	$743,600

Assessment	
Valuation Year	**Total**
2018	$394,650

Owner of Record

Owner	GIGLIO LEONARD W &	**Sale Price**	$0
Co-Owner	GIGLIO CHERYL P	**Certificate**	SURV
Address	49 SOUTH RD	**Book & Page**	165/120
	BOLTON, CT 06043	**Sale Date**	04/15/2014
		Instrument	24

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
GIGLIO LEONARD W &	$0	SURV	165/120	24	04/15/2014
GIGLIO LEONARD W &	$0	salemaster	0087/0548		05/01/1996

Building Information

Building 1 : Section 1

Year Built: 1996
Living Area: 2,044
Building Percent Good: 89

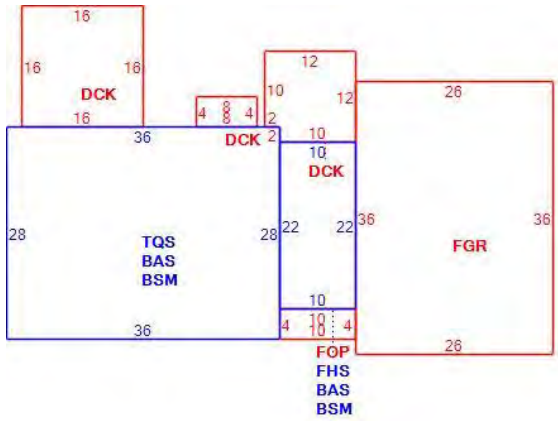
Building Attributes	
Field	**Description**

Style	Cape
Model	Residential
Grade:	B-
Stories	1.75
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Arch Shingles
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Hardwood
Bath Floors	Ceramic Tile
Heat Fuel	Oil
Heat Type:	Hot Water
AC Percent	0
Total Bedrooms:	3 Bedrooms
Full Bthrms:	2
Half Baths:	0
Extra Fixtures	0
Total Rooms:	6
Num Kitchens	1
Fireplace(s)	1
Wood Stoves	
Foundation	Concrete
Bsmt Gar(s)	
SF Fin. Bsmt.	
Fin Bsmt Qual	
Usrfld 300	
Usrfld 301	

Building Photo

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

Building Layout



(ParcelSketch.ashx?pid=1348&bid=1348)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	1,228	1,228
TQS	Three Quarter Story	1,008	706
FHS	Finished Half Story	220	110
BSM	Basement	1,228	0
DCK	Deck	428	0
FGR	Garage	936	0
FOP	Open Porch	40	0
		5,088	2,044

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land

Land Use

Zone R-1

Land Line Valuation

Size (Acres)	29.00
Depth	
Assessed Value	$199,550
Appraised Value	$464,900

Outbuildings

Outbuildings					Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Bldg #**
FGR2	Garage W/ Loft	FR	Frame	1320.00 S.F.	1
FGR2	Garage W/ Loft	FR	Frame	2400.00 S.F.	1
FOP	Porch			960.00 S.F.	1
CELL	Cell Tower			120.00 FEET	1

Valuation History

Appraisal	
Valuation Year	**Total**
2019	$743,600
2018	$743,600

Assessment	
Valuation Year	**Total**
2019	$394,650
2018	$394,650


Stonehedge Ln
S Rd
49 S Rd, Bolton,
CT 06043
S Rd
Stony Rd
S Rd

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 468392
VERIZON SITE NAME: BOLTON EAST CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 120'-0"

BUSINESS UNIT #: 842858
SITE ADDRESS: 49 SOUTH ROAD BOLTON, CT 06043
COUNTY: TOLLAND
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	BOLTON
SITE ADDRESS:	49 SOUTH ROAD BOLTON, CT 06043
COUNTY:	TOLLAND
MAP/PARCEL #:	TBD
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.789028°
LONGITUDE:	-72.429139°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	627'-0"
CURRENT ZONING:	R-2
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TBD
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NORTHEAST UTILITIES (800) 286-2000
TELCO PROVIDER:	AT&T (800) 620-6900

PROJECT TEAM

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

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	FIBER NAMING & EQUIPMENT DETAILS
C-5.1	EQUIPMENT DETAILS
C-6	COLOR CODE MATRIX
C-7	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
ATTACHED	MOUNT MODIFICATION DRAWINGS

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (6) ANTENNAS
- REMOVE (3) RADIOS
- REMOVE (12) COAX CABLES
- INSTALL (9) ANTENNAS
- INSTALL (9) RADIOS
- INSTALL (2) OVP
- INSTALL (2) HYBRID CABLE
- INSTALL (3) DUAL ANTENNA MOUNTS
- INSTALL MOUNT MODIFICATIONS PER MOUNT MODIFICATION DESIGN BY MASER CONSULTING CONNECTICUT DATED AUGUST 16, 2022

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

APPROVALS

VERIZON SIGNATURE BLOCK

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

CROWN CASTLE USA INC. SIGNATURE BLOCK

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

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10094533
VzW LOCATION CODE (PSLC)	16272381

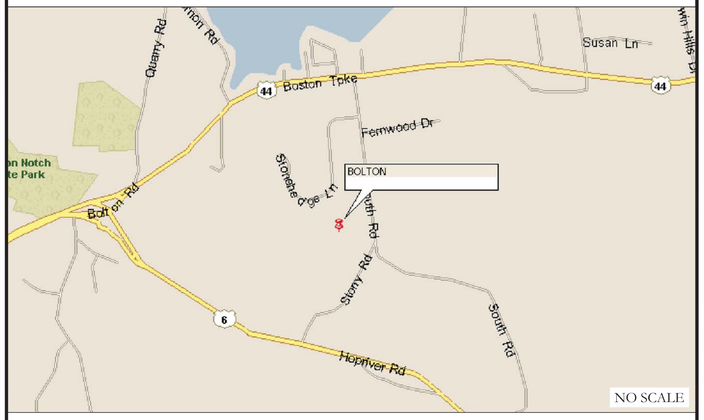
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (EVERGREEN RUN, 9 BUCKLAND RD, SOUTH WINDSOR, CT 06074, US):
TAKE I-384 TO US-6 E IN BOLTON, HEAD NORTH TOWARD PLEASANT VALLEY RD, TURN RIGHT TOWARD BUCKLAND RD, TURN LEFT ONTO BUCKLAND RD, TURN RIGHT ONTO PLEASANT VALLEY RD, USE THE LEFT 2 LANES TO TURN LEFT ONTO THE I-84 W/I-384 E RAMP, KEEP RIGHT AT THE Y JUNCTION, FOLLOW SIGNS FOR I-384 E, CONTINUE ONTO I-384, CONTINUE ONTO US-44 E/US-6 E, CONTINUE ON US-6 E. DRIVE TO S RD, KEEP RIGHT AT THE Y JUNCTION TO CONTINUE ON US-6 E, TURN LEFT ONTO STONY RD, TURN LEFT AT THE 1ST CROSS STREET ONTO S RD.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	8/14/22
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	8/18/21
RFDS REVISION:	-
DATED:	7/28/21
ORDER ID:	583757
REVISION:	0

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/10/21	LHT	CONSTRUCTION	MTJ
1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
GREGORY
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/17/22

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

SHEET NUMBER: T-1

REVISION: 2

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

GREENFIELD GROUNDING NOTES:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

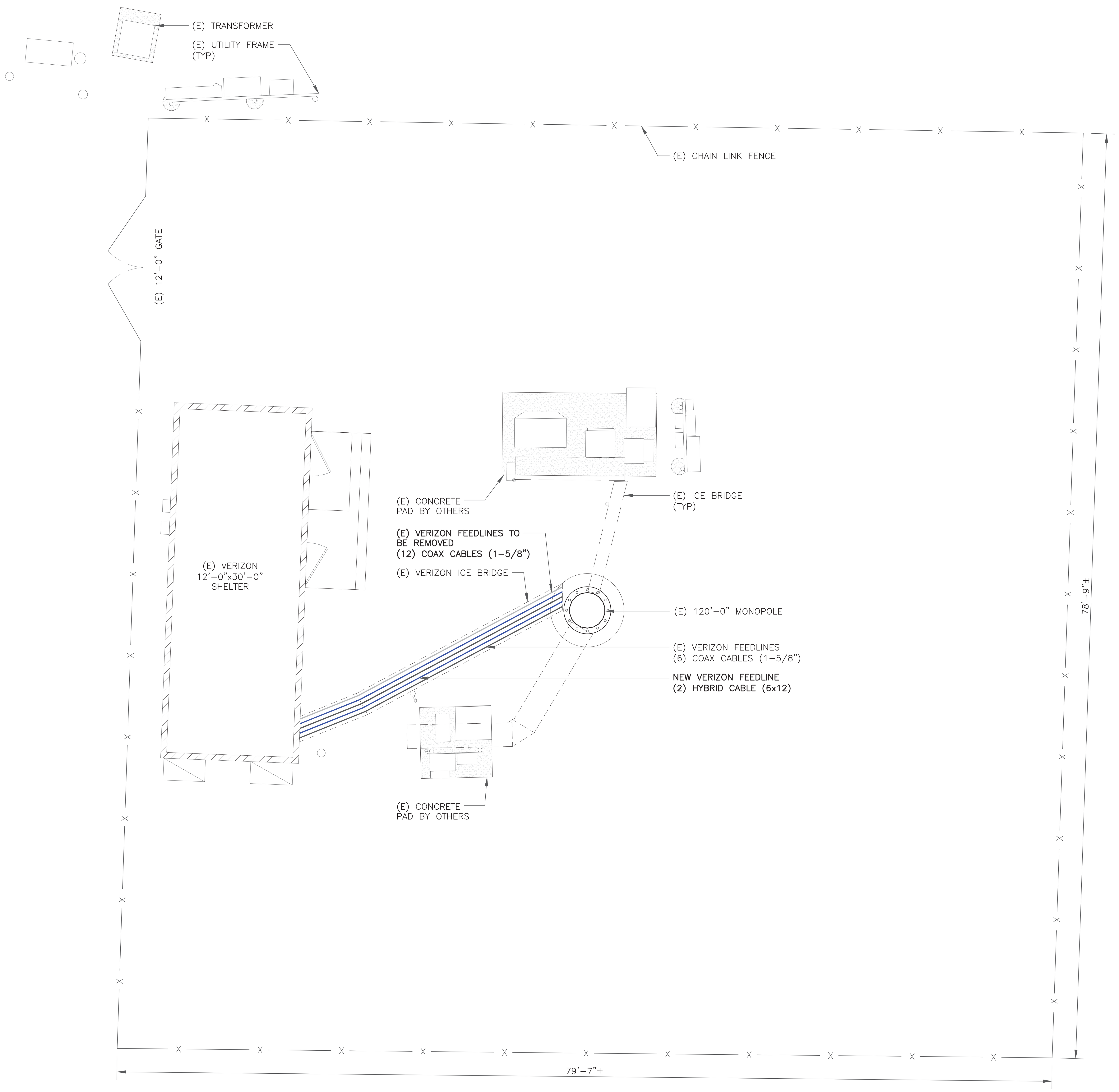
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/10/21	LHT	CONSTRUCTION	MTJ
1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
CHAD TITLE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/17/22

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

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



1 SITE PLAN

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

verizon
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EXISTING 120'-0" MONOPOLE

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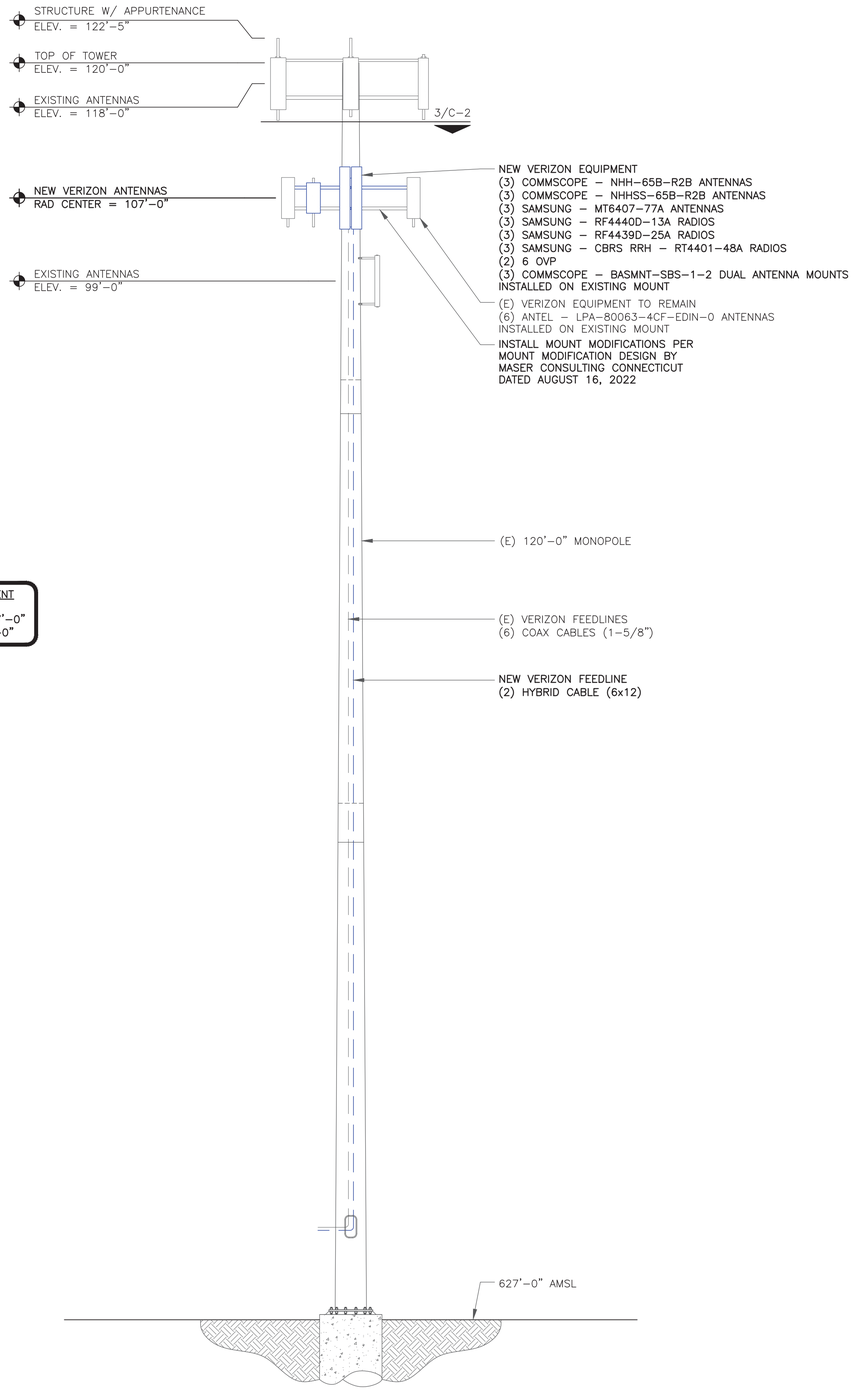
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-1

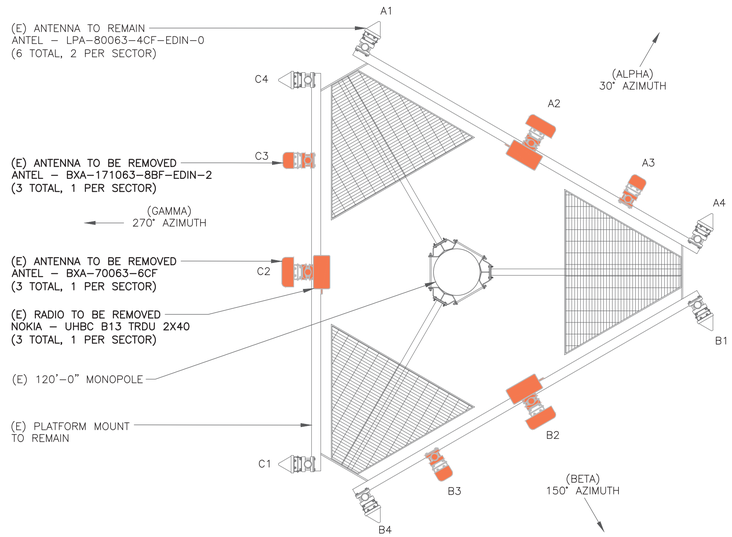
REVISION: 2



VERIZON EQUIPMENT

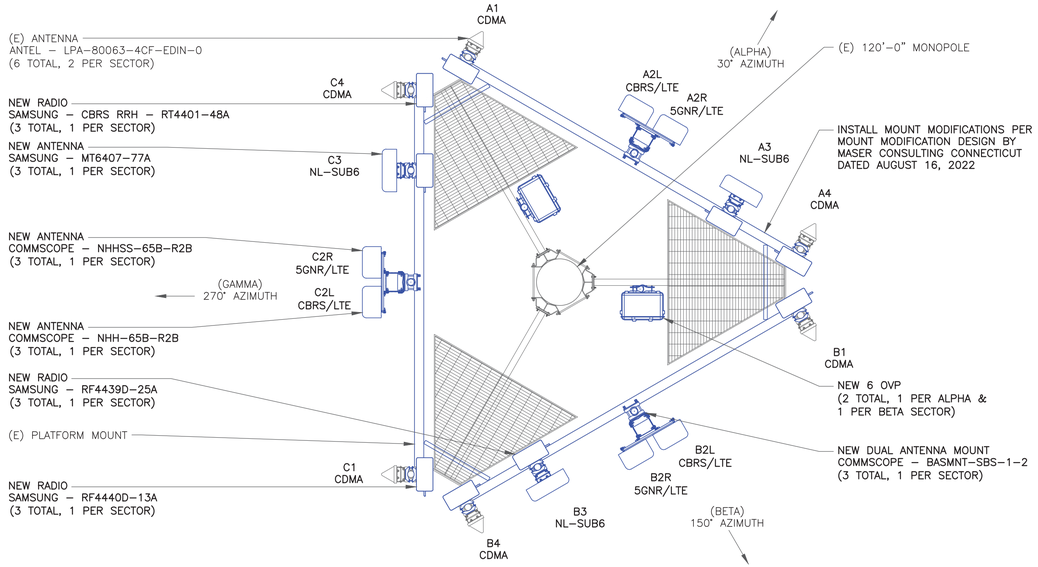
ANTENNA CL: 107'-0"
MOUNT CL: 106'-0"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

N



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

N

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CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
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B+T GRP
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SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
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VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/10/21	LHT	CONSTRUCTION	MTJ
1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

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Expires 2/10/22

SHEET NUMBER:	REVISION:
C-2	2

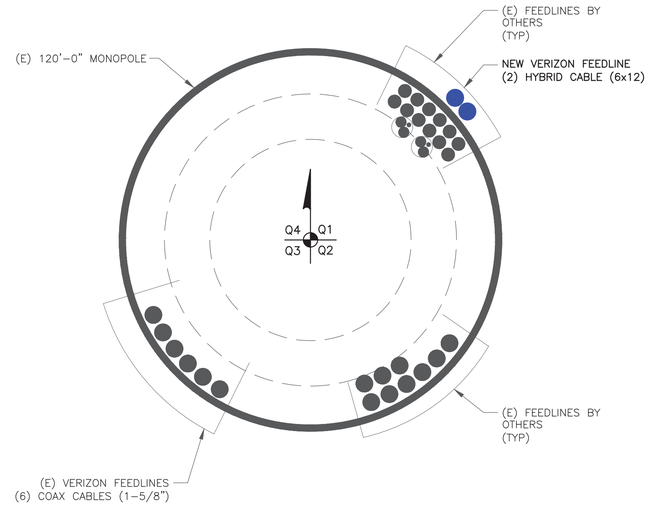
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-80063-4CF-EDIN-0	107'-0"	30°	0°	0°	–	–
A2L	NEW	COMMSCOPE	NHH-65B-R2B	107'-0"	30°	0°	5°/0°	SAMSUNG	(1) RF4440D-13A
A2R	NEW	COMMSCOPE	NHHSS-65B-R2B	107'-0"	30°	0°	2°/2°/2°/0°	SAMSUNG SAMSUNG	(1) RF4439D-25A (1) CBRS RRH – RT4401-48A
A3	NEW	SAMSUNG	MT6407-77A	107'-0"	30°	0°	6°	–	(1) 6 OVP
A4	EXISTING	ANTEL	LPA-80063-4CF-EDIN-0	107'-0"	30°	0°	0°	–	–
B1	EXISTING	ANTEL	LPA-80063-4CF-EDIN-0	107'-0"	150°	0°	0°	–	–
B2L	NEW	COMMSCOPE	NHH-65B-R2B	107'-0"	150°	0°	5°/0°	SAMSUNG	(1) RF4440D-13A
B2R	NEW	COMMSCOPE	NHHSS-65B-R2B	107'-0"	150°	0°	2°/2°/2°/0°	SAMSUNG SAMSUNG	(1) RF4439D-25A (1) CBRS RRH – RT4401-48A
B3	NEW	SAMSUNG	MT6407-77A	107'-0"	150°	0°	6°	–	(1) 6 OVP
B4	EXISTING	ANTEL	LPA-80063-4CF-EDIN-0	107'-0"	150°	0°	0°	–	–
C1	EXISTING	ANTEL	LPA-80063-4CF-EDIN-0	107'-0"	270°	0°	0°	–	–
C2L	NEW	COMMSCOPE	NHH-65B-R2B	107'-0"	270°	0°	5°/0°	SAMSUNG	(1) RF4440D-13A
C2R	NEW	COMMSCOPE	NHHSS-65B-R2B	107'-0"	270°	0°	2°/2°/2°/0°	SAMSUNG SAMSUNG	(1) RF4439D-25A (1) CBRS RRH – RT4401-48A
C3	NEW	SAMSUNG	MT6407-77A	107'-0"	270°	0°	6°	–	–
C4	EXISTING	ANTEL	LPA-80063-4CF-EDIN-0	107'-0"	270°	0°	0°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	160'-0"±	6
NEW	HYBRID	6x12	160'-0"±	2
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/10/21	LHT	CONSTRUCTION	MTJ
1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

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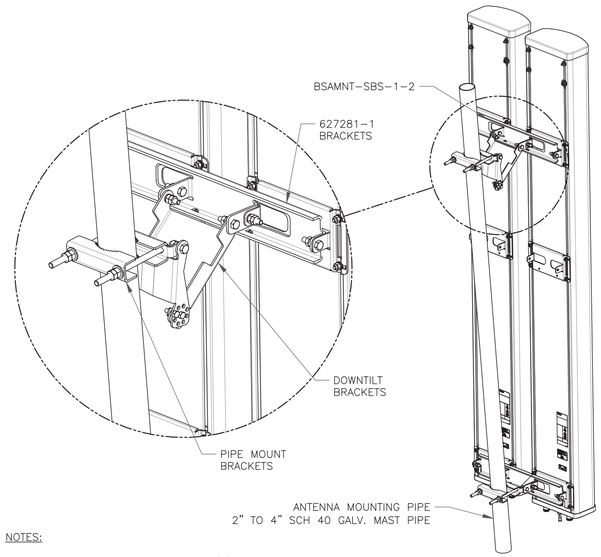
SHEET NUMBER: C-3

REVISION: 2

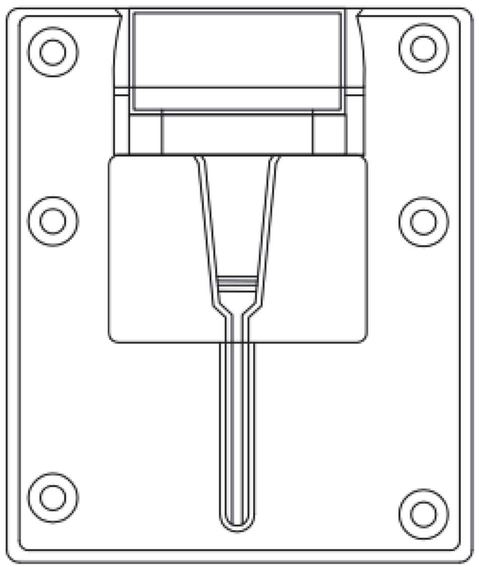


NOTES:

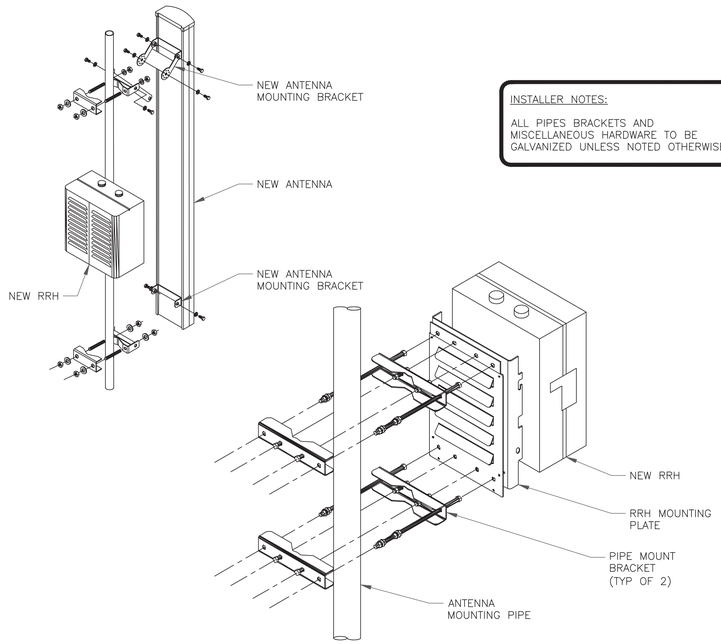
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/10/21	LHT	CONSTRUCTION	MTJ
1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
GREG T. GUDE
No. 23924
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3/17/22

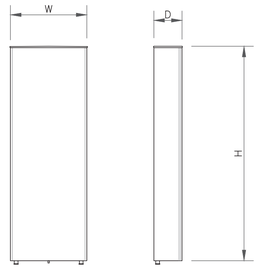
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-4

REVISION: 2

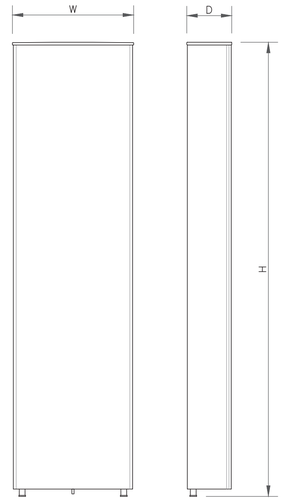
FIBER NAMING CONVENTION	
Technology	**(Equipment-Sector-OPTI #)**
DUPLEX FIBER RUN	
5GmmW L0	5GmmW-A-0
SIMPLEX FIBER RUN	
CBRS L0	CBRS-A-0
CBRS L1	CBRS-A-1
LAA L0	LAA-A-0
High Band Dual Band L0	HB-A-0
High Band Dual Band L1	HB-A-1
Low Band Dual Band L0	LB-A-0
FDMIMO AWS L0	FDM-AWS-A-0
FDMIMO AWS L1	FDM-AWS-A-1
FDMIMO PCS L0	FDM-PCS-A-0
FDMIMO PCS L1	FDM-PCS-A-1
Rev. 2/23/2021	

1 FIBER NAMING CONVENTION
SCALE: NOT TO SCALE



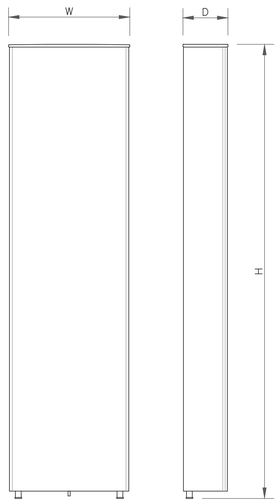
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



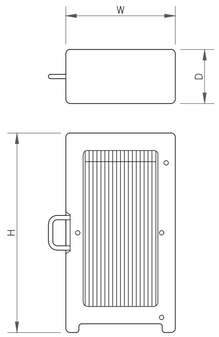
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	NHHSS-65C-R2B
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.0"
WEIGHT	65.5 LBS

3 ANTENNA SPECS
SCALE: NOT TO SCALE



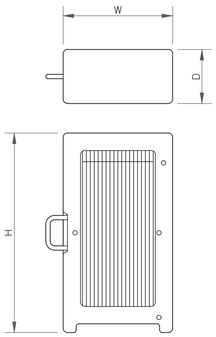
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	NHH-65B-R2B
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.0"
WEIGHT	43.70 LBS

4 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	CBRS RRH - RT4401-48A
WIDTH	8.55"
DEPTH	4.15"
HEIGHT	13.91"
WEIGHT	18.64 LBS

5 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4440D-13A
WIDTH	14.96"
DEPTH	9.06"
HEIGHT	14.96"
WEIGHT	72.50 LBS

6 RRU SPECS
SCALE: NOT TO SCALE

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SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/10/21	LHT	CONSTRUCTION	MTJ
1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
CHRISTOPHER
No. 23924
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PROFESSIONAL ENGINEER
3/17/22

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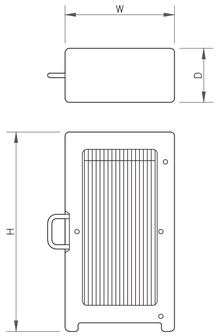
SHEET NUMBER: C-5

REVISION: 2



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4439D-25A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.70 LBS

1 RRU SPECS
SCALE: NOT TO SCALE

OVP SPECS	
MANUFACTURER	RAYCAP
MODEL #	RRFDC-3315-PF-48
WIDTH	15.73"
DEPTH	10.25"
HEIGHT	25.66"
WEIGHT	32 LBS

2 OVP SPECS
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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VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
CHRISTOPHER
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3/17/22

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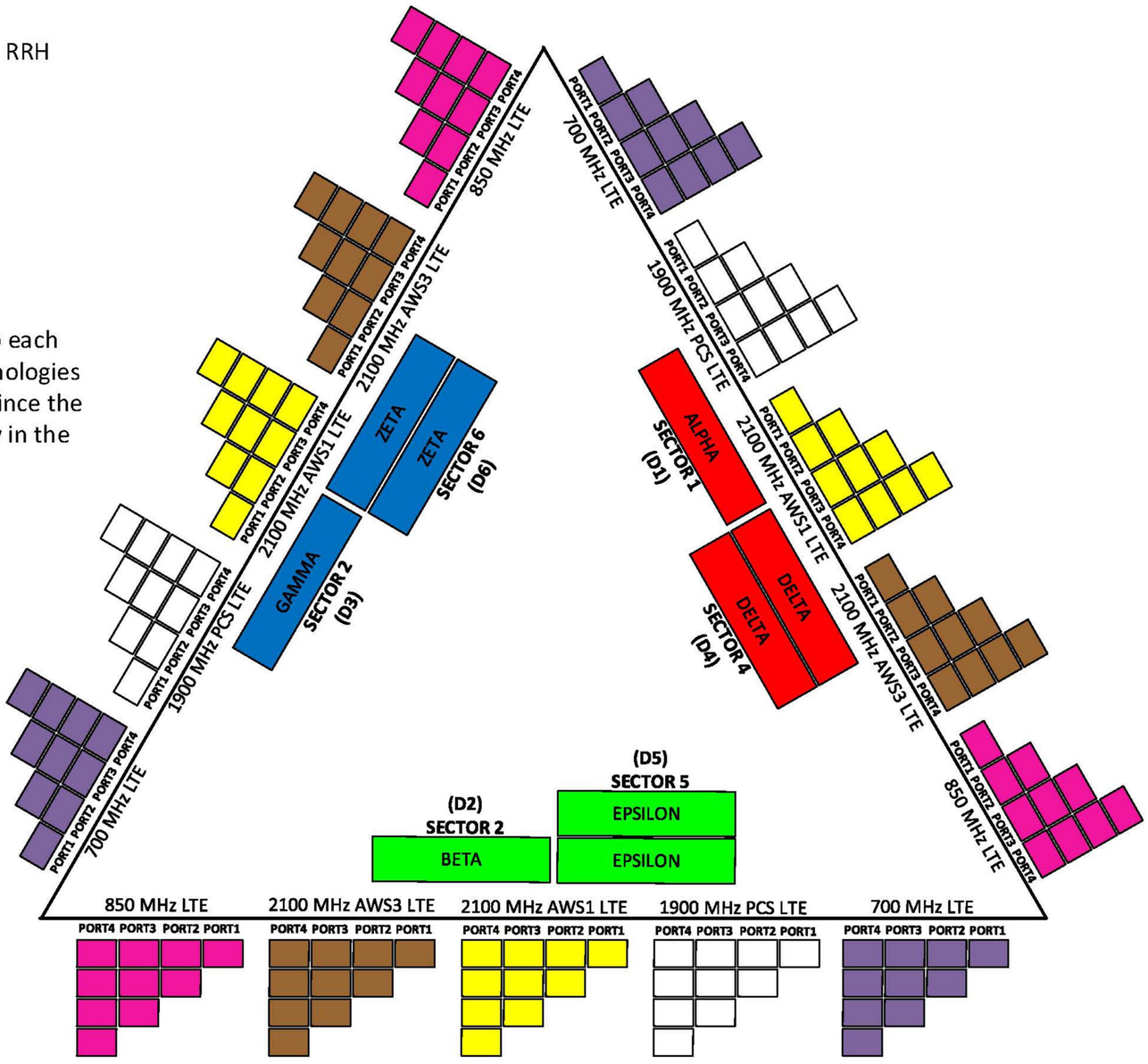
SHEET NUMBER: C-5.1

REVISION: 2

TECHNOLOGY COLOR CODING

- Each color box = 1 color strip
- Color coding is at the jumpers from the RRH
- TxRx1 (Port1) = 1 Strip + sector color
- TxRx2 (Port2) = 2 Strips + sector color
- TxRx3 (Port3) = 3 Strips + sector color
- TxRx4 (Port4) = 4 Strips + sector color
- LAA = Sector color
- CBRS = Grey + Sector color
- 5G = Orange + Sector Color
- CDMA = no color / blank space
- For plumbing diagrams; coax leading to each technology will be colored in that technologies color designation. For 1900 MHz PCS, since the color is white, show the coax as LT grey in the diagrams.



1 COLOR CODE MATRIX
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
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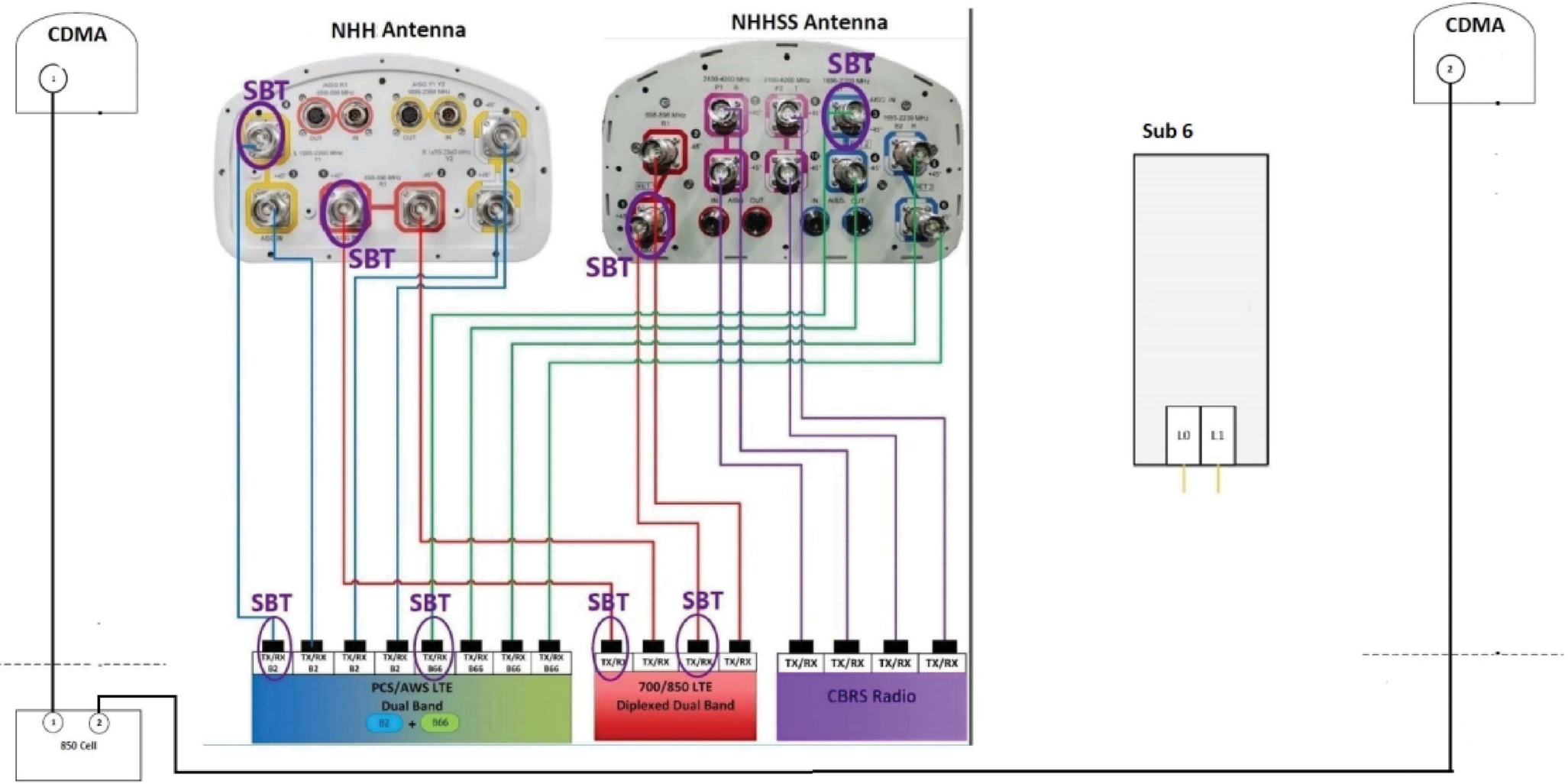
SHEET NUMBER: C-6

REVISION: 2



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
GREGORY D. GUDE
No. 23024
LICENSED
PROFESSIONAL ENGINEER
3/17/22

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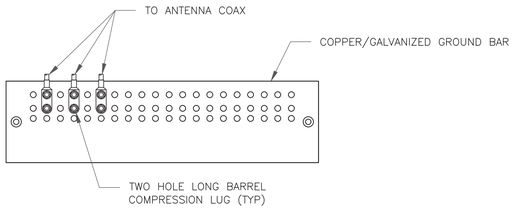
Expires 2/10/22

SHEET NUMBER: C-7

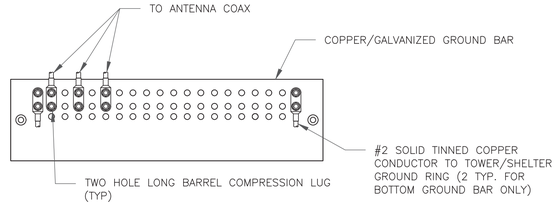
REVISION: 2



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.

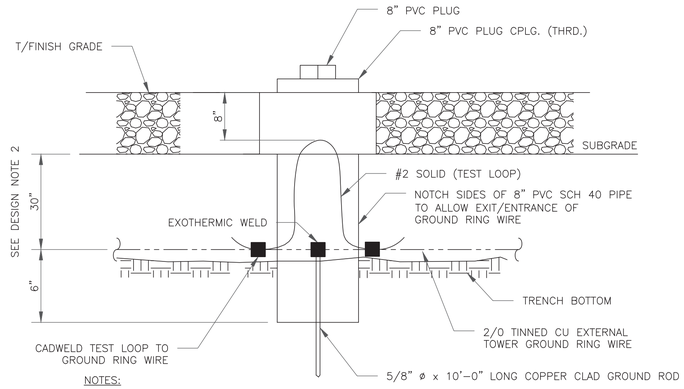
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

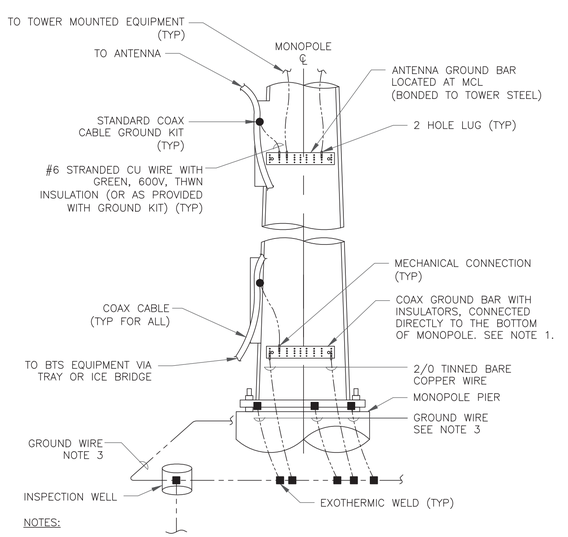
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

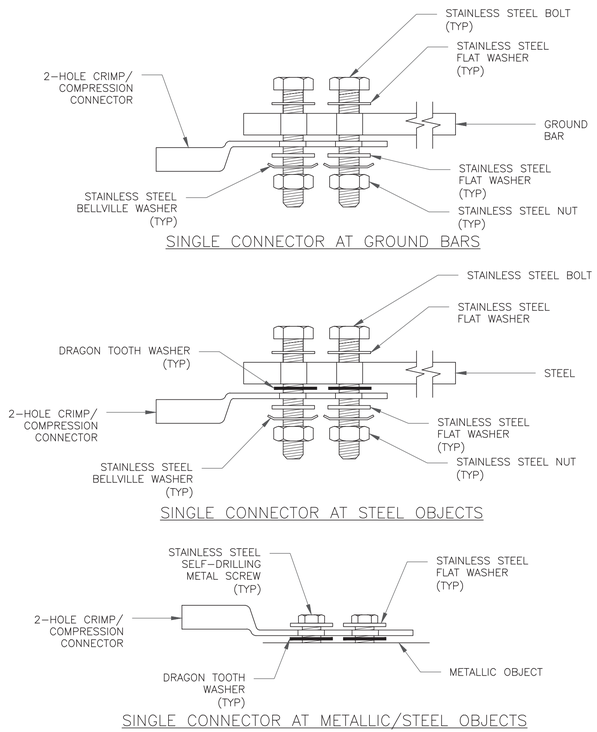
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



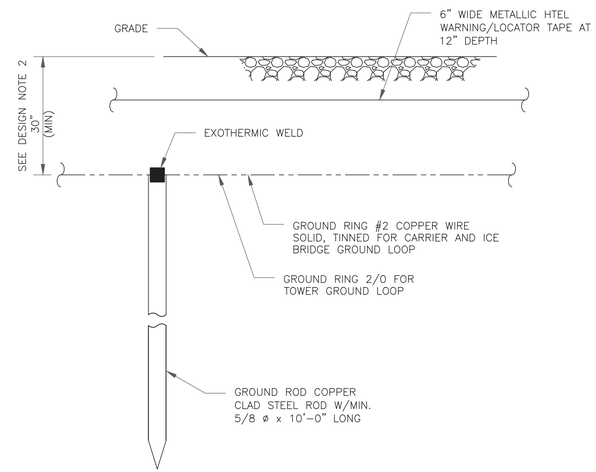
NOTES:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
468392

BU #: **842858**
BOLTON

49 SOUTH ROAD
BOLTON, CT 06043

EXISTING 120'-0" MONOPOLE

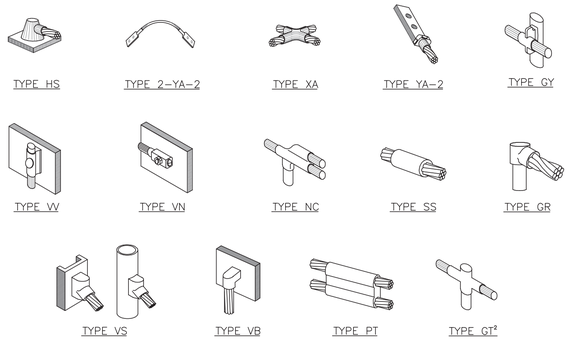
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/10/21	LHT	CONSTRUCTION	MTJ
1	1/17/22	TDG	CONSTRUCTION	TDG
2	3/17/22	TDG	CONSTRUCTION	LR

STATE OF CONNECTICUT
GREG D. GOBBO
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/17/22

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

SHEET NUMBER: G-1
REVISION: 2

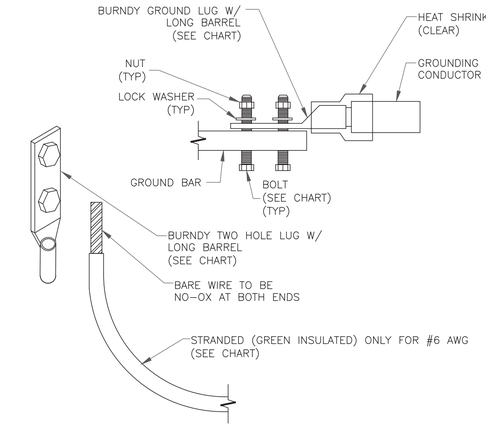


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

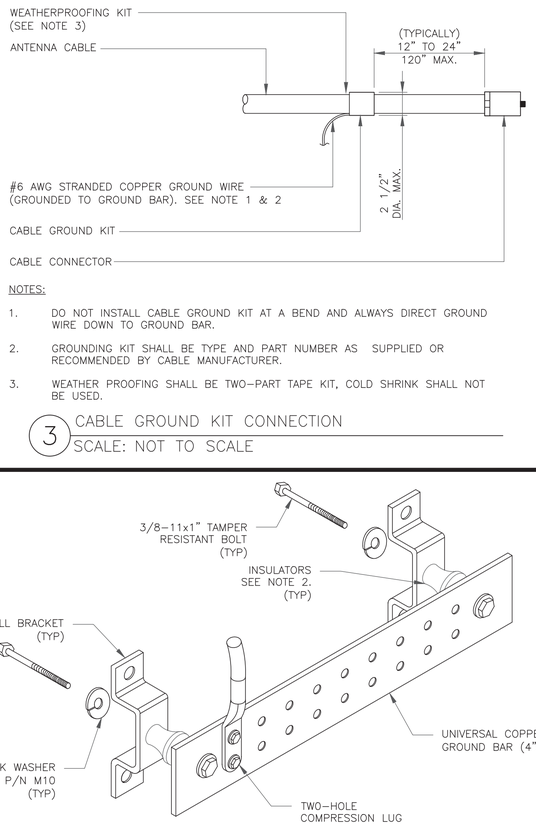
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

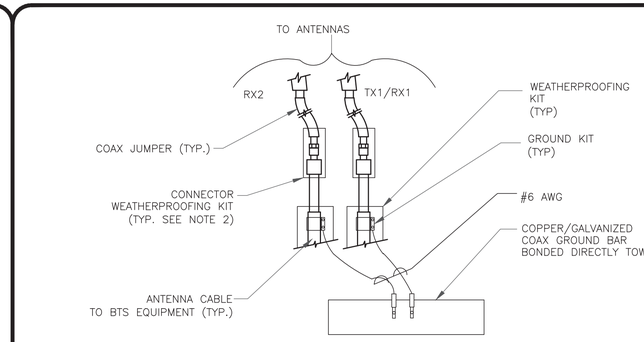
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

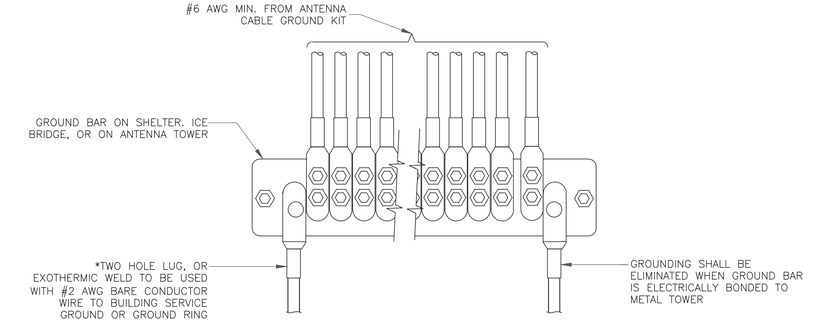
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



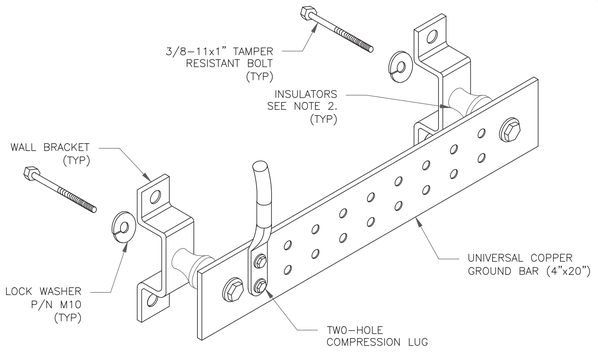
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



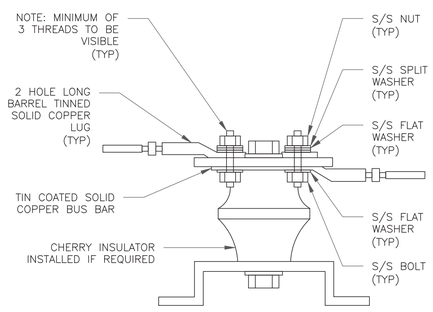
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



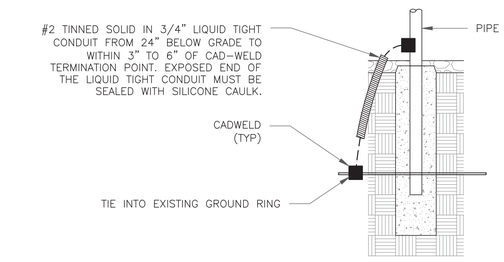
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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0	9/10/21	LHT	CONSTRUCTION	MTJ
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B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

SHEET NUMBER: G-2

REVISION: 2

Exhibit D

Structural Analysis Report

Date: **March 14, 2022**

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468392
	Site Name:	BOLTON EAST CT
Crown Castle Designation:	**BU Number:**	842858
	Site Name:	BOLTON
	JDE Job Number:	709940
	Work Order Number:	2090205
	Order Number:	609316 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	137088.009.01
Site Data:	**49 South Road, Bolton, Tolland County, CT** **Latitude *41° 47' 20.43"*, Longitude *-72° 25' 44.91"*** **120 Foot - Monopole Tower**	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity – 94.9%**

This analysis utilizes an ultimate 3-second gust wind speed of 119 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: Austin Steward

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

Chad E. Tuttle, P.E.

tnxTower Report - version 8.1.1.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 120 ft. Monopole tower designed by PennSummit Tubular in August of 2003.

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

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	119 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
106.0	109.0	1	Site Pro1	VZWSMART-PLK1 Support Rail Kit	8	1-5/8
	107.0	6	Antel	LPA-185063/8CFX2		
		3	Commscope	NHH-65B-R2B		
		3	Commscope	NHHSS-65B-R2B		
		2	Raycap	RRFDC-3315-PF-48		
		3	Samsung Telecom.	CBRS RT4401-48A		
		3	Samsung Telecom.	MT6407-77A		
		3	Samsung Telecom.	RF4439D-25A		
		3	Samsung Telecom.	RF4440D-13A		
	106.0	1	--	Platform Mount [LP 303-1]		
		3	Mount Mods	72” x P2.5 STD Pipes		
		2	Mount Mods	36” x P2 STD OVP Pipes		

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)
118.0	118.0	6	CCI Antennas	DMP65R-BU4D	12 4 2	1-1/4 1 3/8
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 8843 B2/B66A		
		3	Powerwave Tech.	1001940		
		3	Powerwave Tech.	7770.00		
		6	Powerwave Tech.	LGP21401		
		1	Raycap	DC6-48-60-18-8C		
		1	Raycap	DC6-48-60-18-8F		
		1	--	Platform Mount [LP 303-1_HR-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
99.0	99.0	3	Ericsson	AIR 32 B2A/B66AA	9	1-5/8
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B12/B71		
		3	RFS Celwave	APXVAALL24_43-U-NA20		
		1	--	Side Arm Mount [SO 103-3]		
89.0	89.0	3	Fujitsu	TA08025-B604	1	1-3/8
		3	Fujitsu	TA08025-B605		
		3	JMA Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		
		1	Commscope	MC-K6MHDX-9-96 (3)		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	4291644	CCI Sites
Mount Analysis Report	Date: 08/17/2021	--
Tower Modification Drawing	4492167	CCI Sites
Post Modification Inspection	4497609	CCI Sites
Tower Modification Drawing	5096968	CCI Sites
Post Modification Inspection	5652677	CCI Sites
Foundation Drawing	4291646	CCI Sites
Geotech Report	5337356	CCI Sites
Crown CAD Package	Date: 03/10/2022	CCI Sites

3.1) Analysis Method

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	120 - 115	Pole	TP19.75x19x0.188	1	-3.346	715.128	4.6	Pass
L2	115 - 110	Pole	TP20.501x19.75x0.188	2	-3.637	742.555	10.8	Pass
L3	110 - 105	Pole	TP21.251x20.501x0.188	3	-7.256	769.981	19.0	Pass
L4	105 - 100	Pole	TP22.001x21.251x0.188	4	-7.640	797.408	29.0	Pass
L5	100 - 95	Pole	TP22.751x22.001x0.188	5	-9.755	824.834	40.6	Pass
L6	95 - 90	Pole	TP23.502x22.751x0.188	6	-10.278	852.261	51.5	Pass
L7	90 - 83	Pole	TP24.552x23.502x0.188	7	-12.961	872.830	60.9	Pass
L8	83 - 81.25	Pole	TP24.44x23.689x0.25	8	-13.785	1179.013	51.7	Pass
L9	81.25 - 76.25	Pole	TP25.19x24.44x0.25	9	-14.487	1215.574	59.2	Pass
L10	76.25 - 71.25	Pole	TP25.94x25.19x0.25	10	-15.207	1252.146	66.1	Pass
L11	71.25 - 66.25	Pole	TP26.69x25.94x0.25	11	-15.952	1288.707	72.4	Pass
L12	66.25 - 61.25	Pole	TP27.44x26.69x0.25	12	-16.721	1325.268	78.2	Pass
L13	61.25 - 61	Pole	TP27.478x27.44x0.25	13	-16.771	1327.105	78.5	Pass
L14	61 - 60.75	Pole	TP27.515x27.478x0.25	14	-16.810	1328.932	78.8	Pass
L15	60.75 - 58.75	Pole	TP27.815x27.515x0.25	15	-17.115	1343.559	80.9	Pass
L16	58.75 - 58.5	Pole	TP27.853x27.815x0.25	16	-17.165	1345.386	81.2	Pass
L17	58.5 - 57.5	Pole	TP28.003x27.853x0.25	17	-17.313	1352.694	82.3	Pass
L18	57.5 - 57.25	Pole	TP28.04x28.003x0.25	18	-17.364	1354.521	82.5	Pass
L19	57.25 - 52.25	Pole	TP28.791x28.04x0.25	19	-18.163	1391.092	87.6	Pass
L20	52.25 - 47.25	Pole	TP29.541x28.791x0.25	20	-18.994	1427.653	92.3	Pass
L21	47.25 - 41.25	Pole	TP30.441x29.541x0.25	21	-19.373	1444.107	94.3	Pass
L22	41.25 - 40.25	Pole	TP30.091x29.378x0.55	22	-20.925	3167.671	44.5	Pass
L23	40.25 - 35.25	Pole	TP30.841x30.091x0.538	23	-22.209	3175.609	46.9	Pass
L24	35.25 - 32.75	Pole	TP31.216x30.841x0.538	24	-22.857	3214.911	47.6	Pass
L25	32.75 - 32.5	Pole	TP31.254x31.216x0.313	25	-22.914	1885.128	81.0	Pass
L26	32.5 - 31.25	Pole	TP31.441x31.254x0.313	26	-23.146	1896.552	81.7	Pass
L27	31.25 - 31	Pole	TP31.479x31.441x0.313	27	-23.210	1898.841	81.8	Pass
L28	31 - 26	Pole	TP32.229x31.479x0.313	28	-24.202	1944.547	84.4	Pass
L29	26 - 21	Pole	TP32.979x32.229x0.313	29	-25.224	1990.254	86.8	Pass
L30	21 - 19.75	Pole	TP33.167x32.979x0.313	30	-25.479	2001.678	87.3	Pass
L31	19.75 - 19.5	Pole	TP33.204x33.167x0.313	31	-25.546	2003.967	87.4	Pass
L32	19.5 - 18.5	Pole	TP33.354x33.204x0.313	32	-25.742	2013.102	87.9	Pass
L33	18.5 - 18.25	Pole	TP33.392x33.354x0.313	33	-25.805	2015.391	88.0	Pass
L34	18.25 - 13.25	Pole	TP34.142x33.392x0.313	34	-26.846	2061.097	90.1	Pass
L35	13.25 - 8.25	Pole	TP34.892x34.142x0.313	35	-27.916	2106.804	92.0	Pass
L36	8.25 - 3.25	Pole	TP35.642x34.892x0.313	36	-29.003	2152.510	93.8	Pass
L37	3.25 - 0	Pole	TP36.13x35.642x0.313	37	-29.718	2182.215	94.9	Pass
							Summary	
						Pole (L37)	94.9	Pass
						Rating =	94.9	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component		Elevation	% Capacity	Pass / Fail
1,2	Anchor Rod Brackets		Base	63.5	Pass
1,2	Anchor Rods		Base	75.6	Pass
1,2	Base Plate		Base	61.0	Pass
1,2	Base Foundation	Structure	Base	64.2	Pass
		Soil	Base	52.5	Pass

Structure Rating (max from all components) =	94.9%

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

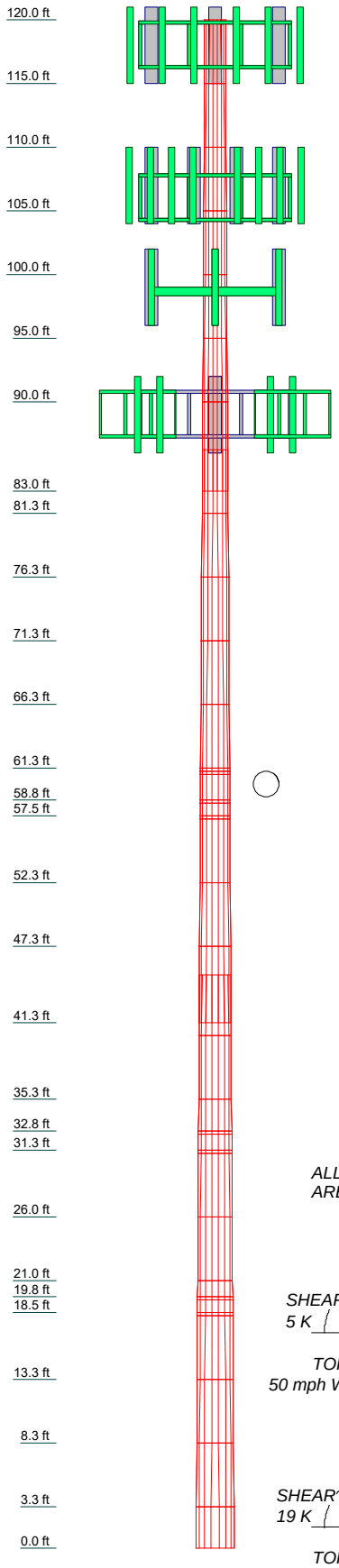
4.1) Recommendations

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

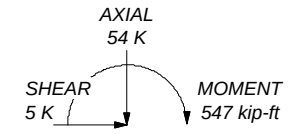
APPENDIX A

TNXTOWER OUTPUT

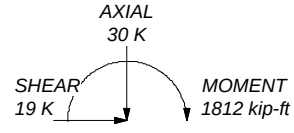
Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Length (ft)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	4.750	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	3.250
Number of Sides	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Thickness (in)	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.550	0.537	0.537	0.500	0.500	0.500	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313
Socket Length (ft)							3.250											3.750																				
Top Dia (in)	19.000	19.750	20.501	21.251	22.001	22.751	23.502	23.689	24.440	25.190	25.940	26.690	27.440	28.190	28.940	29.690	30.441	31.191	28.041	28.791	29.541	29.378	30.091	30.841	31.591	31.341	31.091	31.479	32.229	32.979	33.729	33.479	33.229	33.393	34.142	34.892	35.642
Bot Dia (in)	19.750	20.501	21.251	22.001	22.751	23.502	24.552	24.440	25.190	25.940	26.690	27.440	28.190	28.940	29.690	30.441	31.191	31.941	28.791	29.541	30.441	30.091	30.841	31.591	32.341	32.091	31.841	32.229	32.979	33.729	34.479	34.229	33.979	34.142	34.892	35.642	36.130
Grade	A607-65																																				
Weight (K)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.8	0.8	0.4	0.0	0.0	0.0	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.6	0.6	0.4



ALL REACTIONS ARE FACTORED



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



TORQUE 1 kip-ft
REACTIONS - 119 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Tolland County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 119 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 94.9%

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

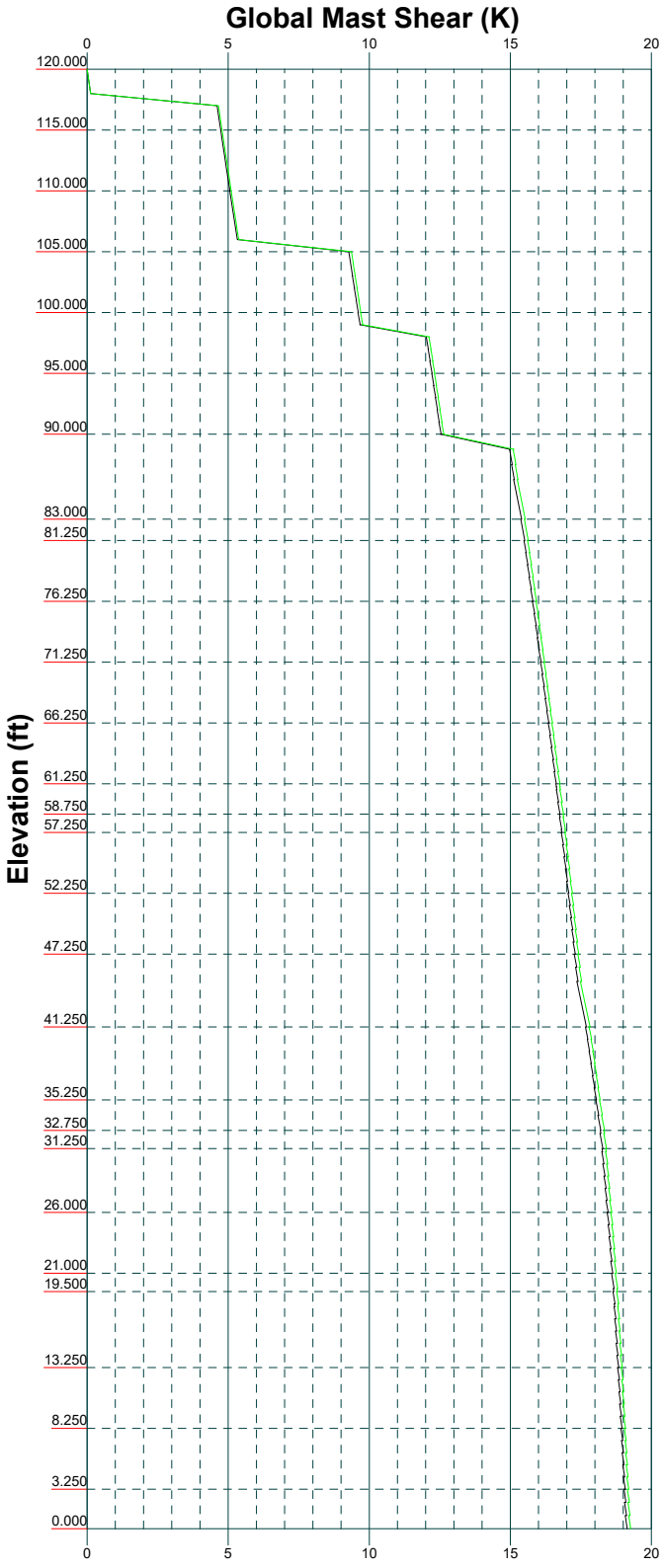
Job:	***137088.009.01 - BOLTON, CT (BU# 842858)***		
Project:			
Client: Crown Castle		Drawn by: Regan	App'd:
Code: TIA-222-H		Date: 03/11/22	Scale: NTS
Path: C:\Users\KIRAN\Desktop\Today\137088_842858_Bolton-----Regan-----Ramesh\Tnx_009_01\137088_009_01_BOLTON_CT_MODIFIED.eri			Dwg No. E-1

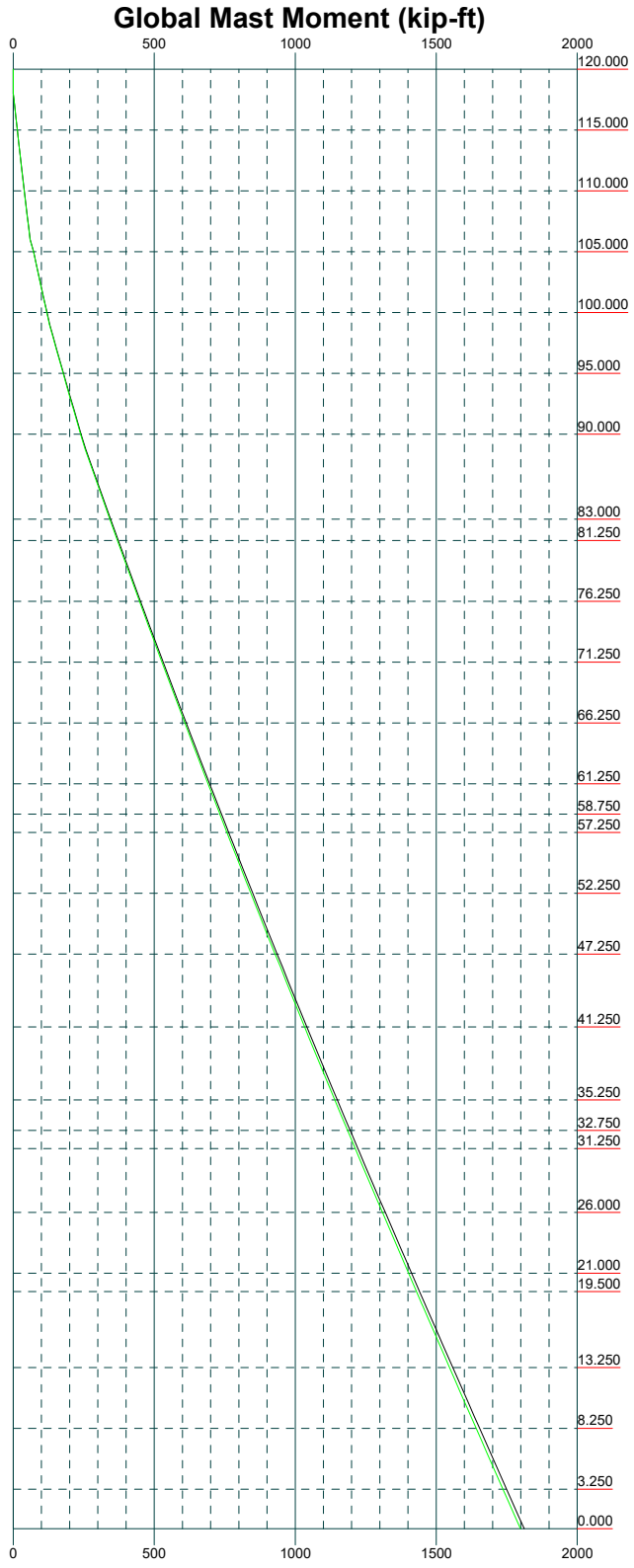
TIA-222-H - 119 mph/50 mph 1.500 in Ice Exposure C

Vx Vz

Maximum Values

Mx Mz



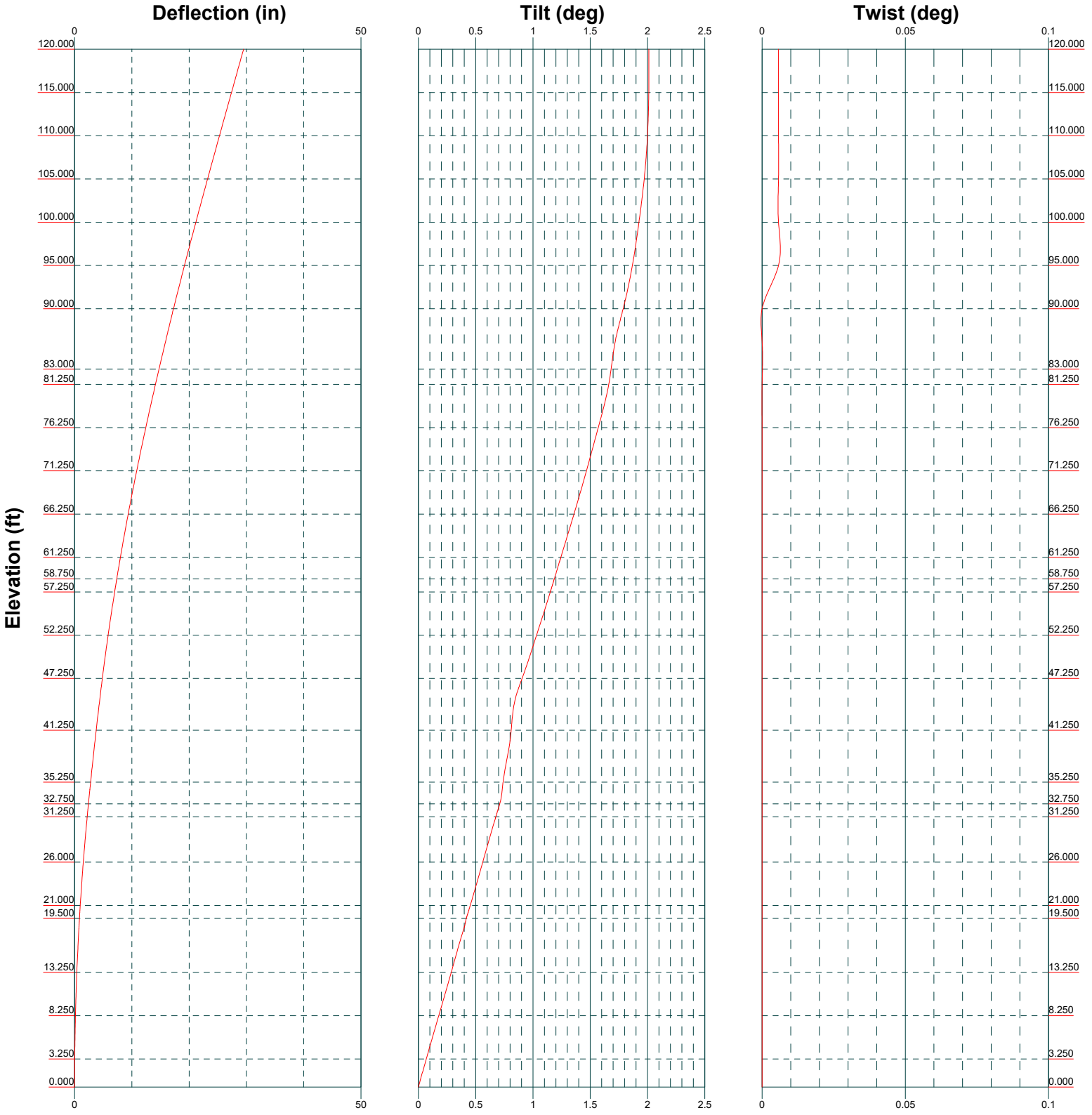


B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 137088.009.01 - BOLTON, CT (BU# 842858)			
Project:			
Client: Crown Castle	Drawn by: Regan	App'd:	
Code: TIA-222-H	Date: 03/11/22	Scale: NTS	
Path: C:\Users\KIRAN\Desktop\Today\137088_842858_Bolton-----Regan-----Ramesh\Tnx_009_01\137088_009_01_BOLTON_CT_MODIFIED.eri		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



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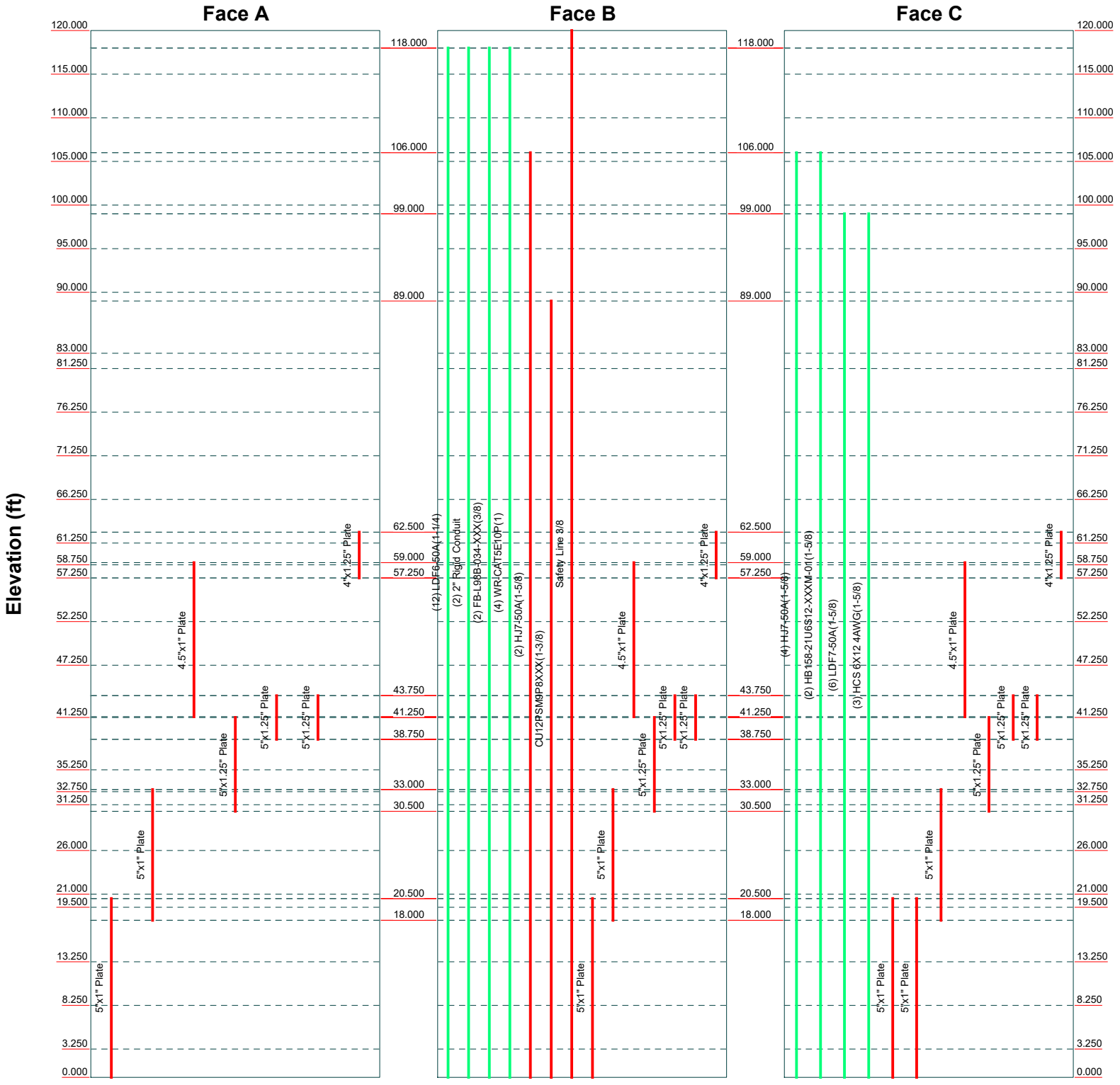
FAX: (918) 295-0265

Job: *137088.009.01 - BOLTON, CT (BU# 842858)*			
Project:			
Client: Crown Castle	Drawn by: Regan	App'd:	
Code: TIA-222-H	Date: 03/11/22	Scale: NTS	
Path: C:\Users\KIRAN\Desktop\Today\137088_842858_Bolton-----Regan-----Ramesh\Tnx_009_01\137088_009_01_BOLTON_CT_MODIFIED.eri		Dwg No. E-5	

Feed Line Distribution Chart
0' - 120'

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



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Job: 137088.009.01 - BOLTON, CT (BU# 842858)		
Project:		
Client: Crown Castle	Drawn by: Regan	App'd:
Code: TIA-222-H	Date: 03/11/22	Scale: NTS
Path: C:\Users\KIRAN\Desktop\Today\137088_842858_Bolton-----Regan-----Ramesh\Trx_009_01\137088_009_01_BOLTON_CT_MODIFIED.eri		Dwg No. E-7

Tower Input Data

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

Tower is located in Tolland County, Connecticut.
Tower base elevation above sea level: 622.000 ft.
Basic wind speed of 119 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
TOWER RATING: %.
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	120.000-115.000	5.000	0.000	18	19.000	19.750	0.188	0.750	A607-65 (65 ksi)
L2	115.000-110.000	5.000	0.000	18	19.750	20.501	0.188	0.750	A607-65 (65 ksi)
L3	110.000-105.000	5.000	0.000	18	20.501	21.251	0.188	0.750	A607-65 (65 ksi)
L4	105.000-100.000	5.000	0.000	18	21.251	22.001	0.188	0.750	A607-65 (65 ksi)
L5	100.000-95.000	5.000	0.000	18	22.001	22.751	0.188	0.750	A607-65 (65 ksi)
L6	95.000-90.000	5.000	0.000	18	22.751	23.502	0.188	0.750	A607-65 (65 ksi)
L7	90.000-83.000	7.000	3.250	18	23.502	24.552	0.188	0.750	A607-65 (65 ksi)
L8	83.000-81.250	5.000	0.000	18	23.689	24.440	0.250	1.000	A607-65 (65 ksi)
L9	81.250-76.250	5.000	0.000	18	24.440	25.190	0.250	1.000	A607-65 (65 ksi)
L10	76.250-71.250	5.000	0.000	18	25.190	25.940	0.250	1.000	A607-65 (65 ksi)
L11	71.250-66.250	5.000	0.000	18	25.940	26.690	0.250	1.000	A607-65 (65 ksi)
L12	66.250-61.250	5.000	0.000	18	26.690	27.440	0.250	1.000	A607-65 (65 ksi)
L13	61.250-61.000	0.250	0.000	18	27.440	27.478	0.250	1.000	A607-65 (65 ksi)
L14	61.000-60.750	0.250	0.000	18	27.478	27.515	0.250	1.000	A607-65 (65 ksi)
L15	60.750-58.750	2.000	0.000	18	27.515	27.815	0.250	1.000	A607-65 (65 ksi)
L16	58.750-58.500	0.250	0.000	18	27.815	27.853	0.250	1.000	A607-65 (65 ksi)
L17	58.500-57.500	1.000	0.000	18	27.853	28.003	0.250	1.000	A607-65 (65 ksi)
L18	57.500-57.250	0.250	0.000	18	28.003	28.040	0.250	1.000	A607-65 (65 ksi)
L19	57.250-52.250	5.000	0.000	18	28.040	28.791	0.250	1.000	A607-65 (65 ksi)
L20	52.250-47.250	5.000	0.000	18	28.791	29.541	0.250	1.000	A607-65 (65 ksi)
L21	47.250-41.250	6.000	3.750	18	29.541	30.441	0.250	1.000	A607-65 (65 ksi)
L22	41.250-40.250	4.750	0.000	18	29.378	30.091	0.550	2.200	A607-65 (65 ksi)
L23	40.250-35.250	5.000	0.000	18	30.091	30.841	0.537	2.150	A607-65 (65 ksi)
L24	35.250-32.750	2.500	0.000	18	30.841	31.216	0.537	2.150	A607-65 (65 ksi)
L25	32.750-32.500	0.250	0.000	18	31.216	31.254	0.313	1.250	A607-65 (65 ksi)
L26	32.500-31.250	1.250	0.000	18	31.254	31.441	0.313	1.250	A607-65 (65 ksi)
L27	31.250-31.000	0.250	0.000	18	31.441	31.479	0.313	1.250	A607-65 (65 ksi)
L28	31.000-26.000	5.000	0.000	18	31.479	32.229	0.313	1.250	A607-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L29	26.000-21.000	5.000	0.000	18	32.229	32.979	0.313	1.250	A607-65 (65 ksi)
L30	21.000-19.750	1.250	0.000	18	32.979	33.167	0.313	1.250	A607-65 (65 ksi)
L31	19.750-19.500	0.250	0.000	18	33.167	33.204	0.313	1.250	A607-65 (65 ksi)
L32	19.500-18.500	1.000	0.000	18	33.204	33.354	0.313	1.250	A607-65 (65 ksi)
L33	18.500-18.250	0.250	0.000	18	33.354	33.392	0.313	1.250	A607-65 (65 ksi)
L34	18.250-13.250	5.000	0.000	18	33.392	34.142	0.313	1.250	A607-65 (65 ksi)
L35	13.250-8.250	5.000	0.000	18	34.142	34.892	0.313	1.250	A607-65 (65 ksi)
L36	8.250-3.250	5.000	0.000	18	34.892	35.642	0.313	1.250	A607-65 (65 ksi)
L37	3.250-0.000	3.250		18	35.642	36.130	0.313	1.250	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	19.264	11.196	500.593	6.678	9.652	51.864	1001.846	5.599	3.014	16.075
	20.026	11.642	562.907	6.945	10.033	56.105	1126.555	5.822	3.146	16.779
L2	20.026	11.642	562.907	6.945	10.033	56.105	1126.555	5.822	3.146	16.779
	20.788	12.089	630.189	7.211	10.414	60.512	1261.206	6.046	3.278	17.483
L3	20.788	12.089	630.189	7.211	10.414	60.512	1261.206	6.046	3.278	17.483
	21.550	12.535	702.628	7.477	10.795	65.086	1406.181	6.269	3.410	18.187
L4	21.550	12.535	702.628	7.477	10.795	65.086	1406.181	6.269	3.410	18.187
	22.312	12.982	780.417	7.744	11.177	69.826	1561.860	6.492	3.542	18.892
L5	22.312	12.982	780.417	7.744	11.177	69.826	1561.860	6.492	3.542	18.892
	23.073	13.428	863.745	8.010	11.558	74.733	1728.626	6.715	3.674	19.596
L6	23.073	13.428	863.745	8.010	11.558	74.733	1728.626	6.715	3.674	19.596
	23.835	13.875	952.802	8.277	11.939	79.807	1906.859	6.939	3.806	20.3
L7	23.835	13.875	952.802	8.277	11.939	79.807	1906.859	6.939	3.806	20.3
	24.902	14.500	1087.472	8.649	12.472	87.190	2176.375	7.251	3.991	21.286
L8	24.511	18.599	1290.980	8.321	12.034	107.276	2583.659	9.301	3.729	14.917
	24.778	19.194	1418.945	8.587	12.415	114.290	2839.758	9.599	3.861	15.445
L9	24.778	19.194	1418.945	8.587	12.415	114.290	2839.758	9.599	3.861	15.445
	25.540	19.790	1555.098	8.854	12.796	121.527	3112.243	9.897	3.993	15.974
L10	25.540	19.790	1555.098	8.854	12.796	121.527	3112.243	9.897	3.993	15.974
	26.301	20.385	1699.694	9.120	13.177	128.985	3401.625	10.194	4.125	16.502
L11	26.301	20.385	1699.694	9.120	13.177	128.985	3401.625	10.194	4.125	16.502
	27.063	20.980	1852.986	9.386	13.559	136.665	3708.410	10.492	4.257	17.03
L12	27.063	20.980	1852.986	9.386	13.559	136.665	3708.410	10.492	4.257	17.03
	27.825	21.575	2015.228	9.653	13.940	144.568	4033.108	10.790	4.389	17.558
L13	27.825	21.575	2015.228	9.653	13.940	144.568	4033.108	10.790	4.389	17.558
	27.863	21.605	2023.580	9.666	13.959	144.969	4049.823	10.805	4.396	17.584
L14	27.863	21.605	2023.580	9.666	13.959	144.969	4049.823	10.805	4.396	17.584
	27.901	21.635	2031.955	9.679	13.978	145.371	4066.583	10.820	4.403	17.611
L15	27.901	21.635	2031.955	9.679	13.978	145.371	4066.583	10.820	4.403	17.611
	28.206	21.873	2099.785	9.786	14.130	148.603	4202.333	10.939	4.456	17.822
L16	28.206	21.873	2099.785	9.786	14.130	148.603	4202.333	10.939	4.456	17.822
	28.244	21.903	2108.369	9.799	14.149	149.009	4219.511	10.954	4.462	17.848
L17	28.244	21.903	2108.369	9.799	14.149	149.009	4219.511	10.954	4.462	17.848

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
	28.396	22.022	2142.936	9.852	14.225	150.641	4288.692	11.013	4.489	17.954
L18	28.396	22.022	2142.936	9.852	14.225	150.641	4288.692	11.013	4.489	17.954
	28.434	22.052	2151.637	9.866	14.245	151.050	4306.105	11.028	4.495	17.98
L19	28.434	22.052	2151.637	9.866	14.245	151.050	4306.105	11.028	4.495	17.98
	29.196	22.647	2330.629	10.132	14.626	159.353	4664.326	11.326	4.627	18.509
L20	29.196	22.647	2330.629	10.132	14.626	159.353	4664.326	11.326	4.627	18.509
	29.958	23.242	2519.284	10.398	15.007	167.877	5041.882	11.623	4.759	19.037
L21	29.958	23.242	2519.284	10.398	15.007	167.877	5041.882	11.623	4.759	19.037
	30.872	23.957	2758.779	10.718	15.464	178.400	5521.188	11.981	4.918	19.67
L22	30.318	50.326	5284.049	10.234	14.924	354.059	10575.052	25.168	4.203	7.641
	30.470	51.570	5685.702	10.487	15.286	371.949	11378.885	25.790	4.328	7.869
L23	30.472	50.419	5563.538	10.492	15.286	363.957	11134.397	25.214	4.350	8.093
	31.234	51.699	5998.056	10.758	15.667	382.838	12004.004	25.854	4.482	8.339
L24	31.234	51.699	5998.056	10.758	15.667	382.838	12004.004	25.854	4.482	8.339
	31.615	52.339	6223.551	10.891	15.858	392.458	12455.291	26.174	4.548	8.462
L25	31.650	30.653	3698.540	10.971	15.858	233.230	7401.947	15.329	4.944	15.821
	31.688	30.690	3712.024	10.984	15.877	233.800	7428.932	15.348	4.951	15.842
L26	31.688	30.690	3712.024	10.984	15.877	233.800	7428.932	15.348	4.951	15.842
	31.878	30.876	3779.933	11.051	15.972	236.657	7564.839	15.441	4.984	15.948
L27	31.878	30.876	3779.933	11.051	15.972	236.657	7564.839	15.441	4.984	15.948
	31.916	30.913	3793.613	11.064	15.991	237.230	7592.218	15.460	4.990	15.969
L28	31.916	30.913	3793.613	11.064	15.991	237.230	7592.218	15.460	4.990	15.969
	32.678	31.657	4074.200	11.330	16.372	248.846	8153.761	15.832	5.122	16.391
L29	32.678	31.657	4074.200	11.330	16.372	248.846	8153.761	15.832	5.122	16.391
	33.440	32.401	4368.291	11.597	16.753	260.740	8742.330	16.204	5.254	16.814
L30	33.440	32.401	4368.291	11.597	16.753	260.740	8742.330	16.204	5.254	16.814
	33.630	32.587	4443.961	11.663	16.849	263.757	8893.770	16.297	5.287	16.92
L31	33.630	32.587	4443.961	11.663	16.849	263.757	8893.770	16.297	5.287	16.92
	33.668	32.625	4459.200	11.677	16.868	264.362	8924.267	16.315	5.294	16.941
L32	33.668	32.625	4459.200	11.677	16.868	264.362	8924.267	16.315	5.294	16.941
	33.821	32.773	4520.500	11.730	16.944	266.791	9046.949	16.390	5.320	17.025
L33	33.821	32.773	4520.500	11.730	16.944	266.791	9046.949	16.390	5.320	17.025
	33.859	32.811	4535.913	11.743	16.963	267.400	9077.794	16.408	5.327	17.046
L34	33.859	32.811	4535.913	11.743	16.963	267.400	9077.794	16.408	5.327	17.046
	34.621	33.555	4851.564	12.009	17.344	279.723	9709.512	16.781	5.459	17.469
L35	34.621	33.555	4851.564	12.009	17.344	279.723	9709.512	16.781	5.459	17.469
	35.382	34.299	5181.530	12.276	17.725	292.325	10369.878	17.153	5.591	17.891
L36	35.382	34.299	5181.530	12.276	17.725	292.325	10369.878	17.153	5.591	17.891
	36.144	35.043	5526.128	12.542	18.106	305.204	11059.528	17.525	5.723	18.314
L37	36.144	35.043	5526.128	12.542	18.106	305.204	11059.528	17.525	5.723	18.314
	36.639	35.526	5758.113	12.715	18.354	313.725	11523.803	17.767	5.809	18.588

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 120.000-115.000				1	1	1			
L2 115.000-110.000				1	1	1			
L3 110.000-105.000				1	1	1			
L4 105.000-100.000				1	1	1			
L5 100.000-95.00				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
0									
L6 95.000-90.000				1	1	1			
L7 90.000-83.000				1	1	1			
L8 83.000-81.250				1	1	1			
L9 81.250-76.250				1	1	1			
L10 76.250-71.250				1	1	1			
L11 71.250-66.250				1	1	1			
L12 66.250-61.250				1	1	1			
L13 61.250-61.000				1	1	1			
L14 61.000-60.750				1	1	1			
L15 60.750-58.750				1	1	1			
L16 58.750-58.500				1	1	1			
L17 58.500-57.500				1	1	1			
L18 57.500-57.250				1	1	1			
L19 57.250-52.250				1	1	1			
L20 52.250-47.250				1	1	1			
L21 47.250-41.250				1	1	1			
L22 41.250-40.250				1	1	0.936348			
L23 40.250-35.250				1	1	0.948402			
L24 35.250-32.750				1	1	0.943915			
L25 32.750-32.500				1	1	1			
L26 32.500-31.250				1	1	1			
L27 31.250-31.000				1	1	1			
L28 31.000-26.000				1	1	1			
L29 26.000-21.000				1	1	1			
L30 21.000-19.750				1	1	1			
L31 19.750-19.500				1	1	1			
L32 19.500-18.500				1	1	1			
L33 18.500-18.250				1	1	1			
L34 18.250-13.250				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
L35 13.250-8.250				1	1	1			
L36 8.250-3.250				1	1	1			
L37 3.250-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
HJ7-50A(1-5/8) *	B	No	Surface Ar (CaAa)	106.000 - 0.000	2	2	-0.100 0.000	1.980		0.001
CU12PSM9P8XXX(1-3/8) *	B	No	Surface Ar (CaAa)	89.000 - 0.000	1	1	0.250 0.300	1.411		0.002
Safety Line 3/8 * *	B	No	Surface Ar (CaAa)	120.000 - 0.000	1	1	-0.450 -0.450	0.375		0.000
5"x1" Plate	A	No	Surface Af (CaAa)	20.500 - 0.000	1	1	0.050 0.100	5.000	12.000	0.000
5"x1" Plate	B	No	Surface Af (CaAa)	20.500 - 0.000	1	1	-0.250 -0.200	5.000	12.000	0.000
5"x1" Plate	C	No	Surface Af (CaAa)	20.500 - 0.000	1	1	0.250 0.300	5.000	12.000	0.000
5"x1" Plate *	C	No	Surface Af (CaAa)	20.500 - 0.000	1	1	-0.250 -0.200	5.000	12.000	0.000
5"x1" Plate	A	No	Surface Af (CaAa)	33.000 - 18.000	1	1	-0.500 -0.450	5.000	12.000	0.000
5"x1" Plate	B	No	Surface Af (CaAa)	33.000 - 18.000	1	1	-0.500 -0.450	5.000	12.000	0.000
5"x1" Plate *	C	No	Surface Af (CaAa)	33.000 - 18.000	1	1	-0.500 -0.450	5.000	12.000	0.000
4.5"x1" Plate	A	No	Surface Af (CaAa)	59.000 - 41.333	1	1	-0.250 -0.200	4.500	11.000	0.000
4.5"x1" Plate	B	No	Surface Af (CaAa)	59.000 - 41.333	1	1	-0.250 -0.200	4.500	11.000	0.000
4.5"x1" Plate *	C	No	Surface Af (CaAa)	59.000 - 41.333	1	1	-0.250 -0.200	4.500	11.000	0.000
5"x1.25" Plate	A	No	Surface Af (CaAa)	41.250 - 30.500	1	1	-0.250 -0.200	5.000	12.500	0.000
5"x1.25" Plate	B	No	Surface Af (CaAa)	41.250 - 30.500	1	1	-0.250 -0.200	5.000	12.500	0.000
5"x1.25" Plate *	C	No	Surface Af (CaAa)	41.250 - 30.500	1	1	-0.250 -0.200	5.000	12.500	0.000
5"x1.25" Plate	A	No	Surface Af (CaAa)	43.750 - 38.750	1	1	0.100 0.150	5.000	12.500	0.000

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
5"x1.25" Plate	A	No	Surface Af (CaAa)	43.750 - 38.750	1	1	0.400 0.450	5.000	12.500	0.000
5"x1.25" Plate	B	No	Surface Af (CaAa)	43.750 - 38.750	1	1	0.100 0.150	5.000	12.500	0.000
5"x1.25" Plate	B	No	Surface Af (CaAa)	43.750 - 38.750	1	1	0.400 0.450	5.000	12.500	0.000
5"x1.25" Plate	C	No	Surface Af (CaAa)	43.750 - 38.750	1	1	0.100 0.150	5.000	12.500	0.000
5"x1.25" Plate	C	No	Surface Af (CaAa)	43.750 - 38.750	1	1	0.400 0.450	5.000	12.500	0.000
*										
4"x1.25" Plate	A	No	Surface Af (CaAa)	62.500 - 57.250	1	1	0.100 0.150	4.000	9.500	0.000
4"x1.25" Plate	B	No	Surface Af (CaAa)	62.500 - 57.250	1	1	0.100 0.150	4.000	9.500	0.000
4"x1.25" Plate	C	No	Surface Af (CaAa)	62.500 - 57.250	1	1	0.100 0.150	4.000	9.500	0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
LDF6-50A(1-1/4)	B	No	No	Inside Pole	118.000 - 0.000	12	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
2" Rigid Conduit	B	No	No	Inside Pole	118.000 - 0.000	2	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
							2" Ice	0.000	0.003
FB-L98B-034-XXX(3/8)	B	No	No	Inside Pole	118.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
WR-CAT5E10P(1)	B	No	No	Inside Pole	118.000 - 0.000	4	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
*									
HJ7-50A(1-5/8)	C	No	No	Inside Pole	106.000 - 0.000	4	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HB158-21U6S12-XXXM-01(1-5/8)	C	No	No	Inside Pole	106.000 - 0.000	2	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
*									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	99.000 - 0.000	6	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	99.000 - 0.000	3	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
*									
*									

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	120.000-115.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.045
		C	0.000	0.000	0.000	0.000	0.000
L2	115.000-110.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.188	0.000	0.074
		C	0.000	0.000	0.000	0.000	0.000
L3	110.000-105.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.584	0.000	0.076
		C	0.000	0.000	0.000	0.000	0.008
L4	105.000-100.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.168	0.000	0.084
		C	0.000	0.000	0.000	0.000	0.040
L5	100.000-95.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.168	0.000	0.084
		C	0.000	0.000	0.000	0.000	0.088
L6	95.000-90.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.168	0.000	0.084
		C	0.000	0.000	0.000	0.000	0.100
L7	90.000-83.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.881	0.000	0.128
		C	0.000	0.000	0.000	0.000	0.141
L8	83.000-81.250	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	1.006	0.000	0.032
		C	0.000	0.000	0.000	0.000	0.035
L9	81.250-76.250	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.873	0.000	0.092
		C	0.000	0.000	0.000	0.000	0.100
L10	76.250-71.250	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.873	0.000	0.092
		C	0.000	0.000	0.000	0.000	0.100
L11	71.250-66.250	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.873	0.000	0.092
		C	0.000	0.000	0.000	0.000	0.100
L12	66.250-61.250	A	0.000	0.000	0.701	0.000	0.000
		B	0.000	0.000	3.574	0.000	0.092
		C	0.000	0.000	0.701	0.000	0.100
L13	61.250-61.000	A	0.000	0.000	0.140	0.000	0.000
		B	0.000	0.000	0.284	0.000	0.005
		C	0.000	0.000	0.140	0.000	0.005
L14	61.000-60.750	A	0.000	0.000	0.140	0.000	0.000
		B	0.000	0.000	0.284	0.000	0.005
		C	0.000	0.000	0.140	0.000	0.005
L15	60.750-58.750	A	0.000	0.000	1.309	0.000	0.000
		B	0.000	0.000	2.458	0.000	0.037

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	1.309	0.000	0.040
L16	58.750-58.500	A	0.000	0.000	0.328	0.000	0.000
		B	0.000	0.000	0.471	0.000	0.005
		C	0.000	0.000	0.328	0.000	0.005
L17	58.500-57.500	A	0.000	0.000	1.311	0.000	0.000
		B	0.000	0.000	1.885	0.000	0.018
		C	0.000	0.000	1.311	0.000	0.020
L18	57.500-57.250	A	0.000	0.000	0.328	0.000	0.000
		B	0.000	0.000	0.471	0.000	0.005
		C	0.000	0.000	0.328	0.000	0.005
L19	57.250-52.250	A	0.000	0.000	3.750	0.000	0.000
		B	0.000	0.000	6.623	0.000	0.092
		C	0.000	0.000	3.750	0.000	0.100
L20	52.250-47.250	A	0.000	0.000	3.750	0.000	0.000
		B	0.000	0.000	6.623	0.000	0.092
		C	0.000	0.000	3.750	0.000	0.100
L21	47.250-41.250	A	0.000	0.000	7.677	0.000	0.000
		B	0.000	0.000	11.124	0.000	0.111
		C	0.000	0.000	7.677	0.000	0.120
L22	41.250-40.250	A	0.000	0.000	2.129	0.000	0.000
		B	0.000	0.000	2.704	0.000	0.018
		C	0.000	0.000	2.129	0.000	0.020
L23	40.250-35.250	A	0.000	0.000	6.110	0.000	0.000
		B	0.000	0.000	8.983	0.000	0.092
		C	0.000	0.000	6.110	0.000	0.100
L24	35.250-32.750	A	0.000	0.000	2.292	0.000	0.000
		B	0.000	0.000	3.728	0.000	0.046
		C	0.000	0.000	2.292	0.000	0.050
L25	32.750-32.500	A	0.000	0.000	0.417	0.000	0.000
		B	0.000	0.000	0.560	0.000	0.005
		C	0.000	0.000	0.417	0.000	0.005
L26	32.500-31.250	A	0.000	0.000	2.083	0.000	0.000
		B	0.000	0.000	2.802	0.000	0.023
		C	0.000	0.000	2.083	0.000	0.025
L27	31.250-31.000	A	0.000	0.000	0.417	0.000	0.000
		B	0.000	0.000	0.560	0.000	0.005
		C	0.000	0.000	0.417	0.000	0.005
L28	31.000-26.000	A	0.000	0.000	4.583	0.000	0.000
		B	0.000	0.000	7.456	0.000	0.092
		C	0.000	0.000	4.583	0.000	0.100
L29	26.000-21.000	A	0.000	0.000	4.167	0.000	0.000
		B	0.000	0.000	7.040	0.000	0.092
		C	0.000	0.000	4.167	0.000	0.100
L30	21.000-19.750	A	0.000	0.000	1.667	0.000	0.000
		B	0.000	0.000	2.385	0.000	0.023
		C	0.000	0.000	2.292	0.000	0.025
L31	19.750-19.500	A	0.000	0.000	0.417	0.000	0.000
		B	0.000	0.000	0.560	0.000	0.005
		C	0.000	0.000	0.625	0.000	0.005
L32	19.500-18.500	A	0.000	0.000	1.667	0.000	0.000
		B	0.000	0.000	2.241	0.000	0.018
		C	0.000	0.000	2.500	0.000	0.020
L33	18.500-18.250	A	0.000	0.000	0.417	0.000	0.000
		B	0.000	0.000	0.560	0.000	0.005
		C	0.000	0.000	0.625	0.000	0.005
L34	18.250-13.250	A	0.000	0.000	4.375	0.000	0.000
		B	0.000	0.000	7.248	0.000	0.092
		C	0.000	0.000	8.542	0.000	0.100
L35	13.250-8.250	A	0.000	0.000	4.167	0.000	0.000
		B	0.000	0.000	7.040	0.000	0.092
		C	0.000	0.000	8.333	0.000	0.100

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
L36	8.250-3.250	A	0.000	0.000	4.167	0.000	0.000
		B	0.000	0.000	7.040	0.000	0.092
		C	0.000	0.000	8.333	0.000	0.100
L37	3.250-0.000	A	0.000	0.000	2.708	0.000	0.000
		B	0.000	0.000	4.576	0.000	0.060
		C	0.000	0.000	5.417	0.000	0.065

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	120.000-115.000	A	1.448	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	1.635	0.000	0.061
		C		0.000	0.000	0.000	0.000	0.000
L2	115.000-110.000	A	1.441	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	1.629	0.000	0.090
		C		0.000	0.000	0.000	0.000	0.000
L3	110.000-105.000	A	1.435	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.476	0.000	0.100
		C		0.000	0.000	0.000	0.000	0.008
L4	105.000-100.000	A	1.428	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	5.875	0.000	0.142
		C		0.000	0.000	0.000	0.000	0.040
L5	100.000-95.000	A	1.421	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	5.859	0.000	0.142
		C		0.000	0.000	0.000	0.000	0.088
L6	95.000-90.000	A	1.413	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	5.843	0.000	0.141
		C		0.000	0.000	0.000	0.000	0.100
L7	90.000-83.000	A	1.404	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	10.681	0.000	0.236
		C		0.000	0.000	0.000	0.000	0.141
L8	83.000-81.250	A	1.397	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.776	0.000	0.061
		C		0.000	0.000	0.000	0.000	0.035
L9	81.250-76.250	A	1.391	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	7.888	0.000	0.172
		C		0.000	0.000	0.000	0.000	0.100
L10	76.250-71.250	A	1.382	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	7.859	0.000	0.172
		C		0.000	0.000	0.000	0.000	0.100
L11	71.250-66.250	A	1.372	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	7.827	0.000	0.171
		C		0.000	0.000	0.000	0.000	0.100
L12	66.250-61.250	A	1.362	0.000	0.000	0.883	0.000	0.010
		B		0.000	0.000	8.677	0.000	0.180
		C		0.000	0.000	0.883	0.000	0.110
L13	61.250-61.000	A	1.356	0.000	0.000	0.176	0.000	0.002
		B		0.000	0.000	0.565	0.000	0.010
		C		0.000	0.000	0.176	0.000	0.007
L14	61.000-60.750	A	1.356	0.000	0.000	0.176	0.000	0.002
		B		0.000	0.000	0.565	0.000	0.010
		C		0.000	0.000	0.176	0.000	0.007
L15	60.750-58.750	A	1.353	0.000	0.000	1.666	0.000	0.018
		B		0.000	0.000	4.772	0.000	0.085
		C		0.000	0.000	1.666	0.000	0.058
L16	58.750-58.500	A	1.350	0.000	0.000	0.431	0.000	0.004

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	0.819	0.000	0.012
		C		0.000	0.000	0.431	0.000	0.009
L17	58.500-57.500	A	1.349	0.000	0.000	1.725	0.000	0.016
		B		0.000	0.000	3.275	0.000	0.050
		C		0.000	0.000	1.725	0.000	0.036
L18	57.500-57.250	A	1.348	0.000	0.000	0.431	0.000	0.004
		B		0.000	0.000	0.818	0.000	0.012
		C		0.000	0.000	0.431	0.000	0.009
L19	57.250-52.250	A	1.341	0.000	0.000	5.091	0.000	0.042
		B		0.000	0.000	12.818	0.000	0.210
		C		0.000	0.000	5.091	0.000	0.142
L20	52.250-47.250	A	1.328	0.000	0.000	5.078	0.000	0.041
		B		0.000	0.000	12.764	0.000	0.209
		C		0.000	0.000	5.078	0.000	0.142
L21	47.250-41.250	A	1.313	0.000	0.000	9.944	0.000	0.093
		B		0.000	0.000	19.106	0.000	0.292
		C		0.000	0.000	9.944	0.000	0.213
L22	41.250-40.250	A	1.302	0.000	0.000	2.555	0.000	0.027
		B		0.000	0.000	4.082	0.000	0.060
		C		0.000	0.000	2.555	0.000	0.047
L23	40.250-35.250	A	1.292	0.000	0.000	7.216	0.000	0.070
		B		0.000	0.000	14.784	0.000	0.234
		C		0.000	0.000	7.216	0.000	0.170
L24	35.250-32.750	A	1.279	0.000	0.000	2.693	0.000	0.024
		B		0.000	0.000	6.455	0.000	0.105
		C		0.000	0.000	2.693	0.000	0.074
L25	32.750-32.500	A	1.274	0.000	0.000	0.513	0.000	0.004
		B		0.000	0.000	0.888	0.000	0.012
		C		0.000	0.000	0.513	0.000	0.009
L26	32.500-31.250	A	1.271	0.000	0.000	2.563	0.000	0.021
		B		0.000	0.000	4.437	0.000	0.062
		C		0.000	0.000	2.563	0.000	0.046
L27	31.250-31.000	A	1.268	0.000	0.000	0.512	0.000	0.004
		B		0.000	0.000	0.887	0.000	0.012
		C		0.000	0.000	0.512	0.000	0.009
L28	31.000-26.000	A	1.256	0.000	0.000	5.883	0.000	0.045
		B		0.000	0.000	13.334	0.000	0.207
		C		0.000	0.000	5.883	0.000	0.146
L29	26.000-21.000	A	1.232	0.000	0.000	5.379	0.000	0.040
		B		0.000	0.000	12.752	0.000	0.200
		C		0.000	0.000	5.379	0.000	0.140
L30	21.000-19.750	A	1.215	0.000	0.000	2.148	0.000	0.016
		B		0.000	0.000	3.977	0.000	0.055
		C		0.000	0.000	2.956	0.000	0.047
L31	19.750-19.500	A	1.210	0.000	0.000	0.537	0.000	0.004
		B		0.000	0.000	0.902	0.000	0.012
		C		0.000	0.000	0.806	0.000	0.011
L32	19.500-18.500	A	1.207	0.000	0.000	2.146	0.000	0.016
		B		0.000	0.000	3.604	0.000	0.047
		C		0.000	0.000	3.221	0.000	0.043
L33	18.500-18.250	A	1.202	0.000	0.000	0.536	0.000	0.004
		B		0.000	0.000	0.900	0.000	0.012
		C		0.000	0.000	0.805	0.000	0.011
L34	18.250-13.250	A	1.184	0.000	0.000	5.618	0.000	0.040
		B		0.000	0.000	12.834	0.000	0.196
		C		0.000	0.000	10.968	0.000	0.178
L35	13.250-8.250	A	1.140	0.000	0.000	5.306	0.000	0.036
		B		0.000	0.000	12.378	0.000	0.189
		C		0.000	0.000	10.613	0.000	0.173
L36	8.250-3.250	A	1.070	0.000	0.000	5.237	0.000	0.033
		B		0.000	0.000	12.084	0.000	0.181

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
L37	3.250-0.000	C	0.943	0.000	0.000	10.474	0.000	0.167
		A		0.000	0.000	3.321	0.000	0.019
		B		0.000	0.000	7.503	0.000	0.109
		C		0.000	0.000	6.643	0.000	0.102

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	120.000-115.000	0.031	-0.299	0.131	-1.244
L2	115.000-110.000	0.031	-0.299	0.131	-1.251
L3	110.000-105.000	0.558	-0.666	0.649	-1.520
L4	105.000-100.000	2.164	-1.786	1.998	-2.218
L5	100.000-95.000	2.175	-1.797	2.024	-2.247
L6	95.000-90.000	2.187	-1.806	2.049	-2.274
L7	90.000-83.000	2.825	-1.670	2.873	-2.083
L8	83.000-81.250	2.928	-1.651	3.008	-2.061
L9	81.250-76.250	2.940	-1.658	3.028	-2.074
L10	76.250-71.250	2.958	-1.669	3.062	-2.098
L11	71.250-66.250	2.975	-1.678	3.095	-2.120
L12	66.250-61.250	2.519	-1.421	2.835	-1.941
L13	61.250-61.000	1.722	-0.972	2.232	-1.528
L14	61.000-60.750	1.723	-0.972	2.233	-1.529
L15	60.750-58.750	1.614	-0.911	2.129	-1.457
L16	58.750-58.500	1.107	-0.624	1.586	-1.086
L17	58.500-57.500	1.109	-0.626	1.589	-1.088
L18	57.500-57.250	1.112	-0.627	1.592	-1.090
L19	57.250-52.250	1.535	-0.866	2.012	-1.377
L20	52.250-47.250	1.557	-0.879	2.039	-1.395
L21	47.250-41.250	1.180	-0.666	1.682	-1.150
L22	41.250-40.250	0.823	-0.464	1.337	-0.914
L23	40.250-35.250	1.227	-0.692	1.801	-1.230
L24	35.250-32.750	1.458	-0.823	2.044	-1.396
L25	32.750-32.500	1.024	-0.578	1.534	-1.047
L26	32.500-31.250	1.027	-0.579	1.537	-1.049
L27	31.250-31.000	1.029	-0.581	1.540	-1.051
L28	31.000-26.000	1.480	-0.835	1.995	-1.361
L29	26.000-21.000	1.573	-0.888	2.078	-1.416
L30	21.000-19.750	0.353	-1.336	0.981	-1.658
L31	19.750-19.500	-0.144	-1.518	0.486	-1.766
L32	19.500-18.500	-0.144	-1.521	0.486	-1.769
L33	18.500-18.250	-0.144	-1.524	0.486	-1.771
L34	18.250-13.250	-0.203	-2.134	0.630	-2.318
L35	13.250-8.250	-0.211	-2.210	0.629	-2.373
L36	8.250-3.250	-0.215	-2.240	0.607	-2.380
L37	3.250-0.000	-0.218	-2.265	0.555	-2.357

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	17	Safety Line 3/8	115.00 - 120.00	1.0000	1.0000
L2	17	Safety Line 3/8	110.00 - 115.00	1.0000	1.0000
L3	8	HJ7-50A(1-5/8)	105.00 - 106.00	1.0000	1.0000
L3	17	Safety Line 3/8	105.00 - 110.00	1.0000	1.0000
L4	8	HJ7-50A(1-5/8)	100.00 - 105.00	1.0000	1.0000
L4	17	Safety Line 3/8	100.00 - 105.00	1.0000	1.0000
L5	8	HJ7-50A(1-5/8)	95.00 - 100.00	1.0000	1.0000
L5	17	Safety Line 3/8	95.00 - 100.00	1.0000	1.0000
L6	8	HJ7-50A(1-5/8)	90.00 - 95.00	1.0000	1.0000
L6	17	Safety Line 3/8	90.00 - 95.00	1.0000	1.0000
L7	8	HJ7-50A(1-5/8)	83.00 - 90.00	1.0000	1.0000
L7	15	CU12PSM9P8XXX(1-3/8)	83.00 - 89.00	1.0000	1.0000
L7	17	Safety Line 3/8	83.00 - 90.00	1.0000	1.0000
L8	8	HJ7-50A(1-5/8)	81.25 - 83.00	1.0000	1.0000
L8	15	CU12PSM9P8XXX(1-3/8)	81.25 - 83.00	1.0000	1.0000
L8	17	Safety Line 3/8	81.25 - 83.00	1.0000	1.0000
L9	8	HJ7-50A(1-5/8)	76.25 - 81.25	1.0000	1.0000
L9	15	CU12PSM9P8XXX(1-3/8)	76.25 - 81.25	1.0000	1.0000
L9	17	Safety Line 3/8	76.25 - 81.25	1.0000	1.0000
L10	8	HJ7-50A(1-5/8)	71.25 - 76.25	1.0000	1.0000
L10	15	CU12PSM9P8XXX(1-3/8)	71.25 - 76.25	1.0000	1.0000
L10	17	Safety Line 3/8	71.25 - 76.25	1.0000	1.0000
L11	8	HJ7-50A(1-5/8)	66.25 - 71.25	1.0000	1.0000
L11	15	CU12PSM9P8XXX(1-3/8)	66.25 - 71.25	1.0000	1.0000
L11	17	Safety Line 3/8	66.25 - 71.25	1.0000	1.0000
L12	8	HJ7-50A(1-5/8)	61.25 - 66.25	1.0000	1.0000
L12	15	CU12PSM9P8XXX(1-3/8)	61.25 - 66.25	1.0000	1.0000
L12	17	Safety Line 3/8	61.25 - 66.25	1.0000	1.0000
L12	44	4"x1.25" Plate	61.25 - 62.50	1.0000	1.0000
L12	45	4"x1.25" Plate	61.25 - 62.50	1.0000	1.0000
L12	46	4"x1.25" Plate	61.25 - 62.50	1.0000	1.0000
L13	8	HJ7-50A(1-5/8)	61.00 - 61.25	1.0000	1.0000
L13	15	CU12PSM9P8XXX(1-3/8)	61.00 - 61.25	1.0000	1.0000
L13	17	Safety Line 3/8	61.00 - 61.25	1.0000	1.0000
L13	44	4"x1.25" Plate	61.00 - 61.25	1.0000	1.0000
L13	45	4"x1.25" Plate	61.00 - 61.25	1.0000	1.0000
L13	46	4"x1.25" Plate	61.00 - 61.25	1.0000	1.0000
L14	8	HJ7-50A(1-5/8)	60.75 - 61.00	1.0000	1.0000
L14	15	CU12PSM9P8XXX(1-3/8)	60.75 - 61.00	1.0000	1.0000
L14	17	Safety Line 3/8	60.75 - 61.00	1.0000	1.0000
L14	44	4"x1.25" Plate	60.75 - 61.00	1.0000	1.0000
L14	45	4"x1.25" Plate	60.75 - 61.00	1.0000	1.0000
L14	46	4"x1.25" Plate	60.75 - 61.00	1.0000	1.0000
L15	8	HJ7-50A(1-5/8)	58.75 - 60.75	1.0000	1.0000
L15	15	CU12PSM9P8XXX(1-3/8)	58.75 - 60.75	1.0000	1.0000
L15	17	Safety Line 3/8	58.75 - 60.75	1.0000	1.0000
L15	29	4.5"x1" Plate	58.75 - 59.00	1.0000	1.0000
L15	30	4.5"x1" Plate	58.75 - 59.00	1.0000	1.0000
L15	31	4.5"x1" Plate	58.75 - 59.00	1.0000	1.0000
L15	44	4"x1.25" Plate	58.75 - 60.75	1.0000	1.0000
L15	45	4"x1.25" Plate	58.75 - 60.75	1.0000	1.0000
L15	46	4"x1.25" Plate	58.75 - 60.75	1.0000	1.0000
L16	8	HJ7-50A(1-5/8)	58.50 - 58.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L16	15	CU12PSM9P8XXX(1-3/8)	58.50 - 58.75	1.0000	1.0000
L16	17	Safety Line 3/8	58.50 - 58.75	1.0000	1.0000
L16	29	4.5"x1" Plate	58.50 - 58.75	1.0000	1.0000
L16	30	4.5"x1" Plate	58.50 - 58.75	1.0000	1.0000
L16	31	4.5"x1" Plate	58.50 - 58.75	1.0000	1.0000
L16	44	4"x1.25" Plate	58.50 - 58.75	1.0000	1.0000
L16	45	4"x1.25" Plate	58.50 - 58.75	1.0000	1.0000
L16	46	4"x1.25" Plate	58.50 - 58.75	1.0000	1.0000
L17	8	HJ7-50A(1-5/8)	57.50 - 58.50	1.0000	1.0000
L17	15	CU12PSM9P8XXX(1-3/8)	57.50 - 58.50	1.0000	1.0000
L17	17	Safety Line 3/8	57.50 - 58.50	1.0000	1.0000
L17	29	4.5"x1" Plate	57.50 - 58.50	1.0000	1.0000
L17	30	4.5"x1" Plate	57.50 - 58.50	1.0000	1.0000
L17	31	4.5"x1" Plate	57.50 - 58.50	1.0000	1.0000
L17	44	4"x1.25" Plate	57.50 - 58.50	1.0000	1.0000
L17	45	4"x1.25" Plate	57.50 - 58.50	1.0000	1.0000
L17	46	4"x1.25" Plate	57.50 - 58.50	1.0000	1.0000
L18	8	HJ7-50A(1-5/8)	57.25 - 57.50	1.0000	1.0000
L18	15	CU12PSM9P8XXX(1-3/8)	57.25 - 57.50	1.0000	1.0000
L18	17	Safety Line 3/8	57.25 - 57.50	1.0000	1.0000
L18	29	4.5"x1" Plate	57.25 - 57.50	1.0000	1.0000
L18	30	4.5"x1" Plate	57.25 - 57.50	1.0000	1.0000
L18	31	4.5"x1" Plate	57.25 - 57.50	1.0000	1.0000
L18	44	4"x1.25" Plate	57.25 - 57.50	1.0000	1.0000
L18	45	4"x1.25" Plate	57.25 - 57.50	1.0000	1.0000
L18	46	4"x1.25" Plate	57.25 - 57.50	1.0000	1.0000
L19	8	HJ7-50A(1-5/8)	52.25 - 57.25	1.0000	1.0000
L19	15	CU12PSM9P8XXX(1-3/8)	52.25 - 57.25	1.0000	1.0000
L19	17	Safety Line 3/8	52.25 - 57.25	1.0000	1.0000
L19	29	4.5"x1" Plate	52.25 - 57.25	1.0000	1.0000
L19	30	4.5"x1" Plate	52.25 - 57.25	1.0000	1.0000
L19	31	4.5"x1" Plate	52.25 - 57.25	1.0000	1.0000
L20	8	HJ7-50A(1-5/8)	47.25 - 52.25	1.0000	1.0000
L20	15	CU12PSM9P8XXX(1-3/8)	47.25 - 52.25	1.0000	1.0000
L20	17	Safety Line 3/8	47.25 - 52.25	1.0000	1.0000
L20	29	4.5"x1" Plate	47.25 - 52.25	1.0000	1.0000
L20	30	4.5"x1" Plate	47.25 - 52.25	1.0000	1.0000
L20	31	4.5"x1" Plate	47.25 - 52.25	1.0000	1.0000
L21	8	HJ7-50A(1-5/8)	41.25 - 47.25	1.0000	1.0000
L21	15	CU12PSM9P8XXX(1-3/8)	41.25 - 47.25	1.0000	1.0000
L21	17	Safety Line 3/8	41.25 - 47.25	1.0000	1.0000
L21	29	4.5"x1" Plate	41.33 - 47.25	1.0000	1.0000
L21	30	4.5"x1" Plate	41.33 - 47.25	1.0000	1.0000
L21	31	4.5"x1" Plate	41.33 - 47.25	1.0000	1.0000
L21	37	5"x1.25" Plate	41.25 - 43.75	1.0000	1.0000
L21	38	5"x1.25" Plate	41.25 - 43.75	1.0000	1.0000
L21	39	5"x1.25" Plate	41.25 - 43.75	1.0000	1.0000
L21	40	5"x1.25" Plate	41.25 - 43.75	1.0000	1.0000
L21	41	5"x1.25" Plate	41.25 - 43.75	1.0000	1.0000
L21	42	5"x1.25" Plate	41.25 - 43.75	1.0000	1.0000
L22	8	HJ7-50A(1-5/8)	40.25 - 41.25	1.0000	1.0000
L22	15	CU12PSM9P8XXX(1-3/8)	40.25 - 41.25	1.0000	1.0000
L22	17	Safety Line 3/8	40.25 - 41.25	1.0000	1.0000
L22	33	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	34	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	35	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	37	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	38	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	39	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	40	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	41	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000
L22	42	5"x1.25" Plate	40.25 - 41.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L23	8	HJ7-50A(1-5/8)	35.25 - 40.25	1.0000	1.0000
L23	15	CU12PSM9P8XXX(1-3/8)	35.25 - 40.25	1.0000	1.0000
L23	17	Safety Line 3/8	35.25 - 40.25	1.0000	1.0000
L23	33	5"x1.25" Plate	35.25 - 40.25	1.0000	1.0000
L23	34	5"x1.25" Plate	35.25 - 40.25	1.0000	1.0000
L23	35	5"x1.25" Plate	35.25 - 40.25	1.0000	1.0000
L23	37	5"x1.25" Plate	38.75 - 40.25	1.0000	1.0000
L23	38	5"x1.25" Plate	38.75 - 40.25	1.0000	1.0000
L23	39	5"x1.25" Plate	38.75 - 40.25	1.0000	1.0000
L23	40	5"x1.25" Plate	38.75 - 40.25	1.0000	1.0000
L23	41	5"x1.25" Plate	38.75 - 40.25	1.0000	1.0000
L23	42	5"x1.25" Plate	38.75 - 40.25	1.0000	1.0000
L24	8	HJ7-50A(1-5/8)	32.75 - 35.25	1.0000	1.0000
L24	15	CU12PSM9P8XXX(1-3/8)	32.75 - 35.25	1.0000	1.0000
L24	17	Safety Line 3/8	32.75 - 35.25	1.0000	1.0000
L24	25	5"x1" Plate	32.75 - 33.00	1.0000	1.0000
L24	26	5"x1" Plate	32.75 - 33.00	1.0000	1.0000
L24	27	5"x1" Plate	32.75 - 33.00	1.0000	1.0000
L24	33	5"x1.25" Plate	32.75 - 35.25	1.0000	1.0000
L24	34	5"x1.25" Plate	32.75 - 35.25	1.0000	1.0000
L24	35	5"x1.25" Plate	32.75 - 35.25	1.0000	1.0000
L25	8	HJ7-50A(1-5/8)	32.50 - 32.75	1.0000	1.0000
L25	15	CU12PSM9P8XXX(1-3/8)	32.50 - 32.75	1.0000	1.0000
L25	17	Safety Line 3/8	32.50 - 32.75	1.0000	1.0000
L25	25	5"x1" Plate	32.50 - 32.75	1.0000	1.0000
L25	26	5"x1" Plate	32.50 - 32.75	1.0000	1.0000
L25	27	5"x1" Plate	32.50 - 32.75	1.0000	1.0000
L25	33	5"x1.25" Plate	32.50 - 32.75	1.0000	1.0000
L25	34	5"x1.25" Plate	32.50 - 32.75	1.0000	1.0000
L25	35	5"x1.25" Plate	32.50 - 32.75	1.0000	1.0000
L26	8	HJ7-50A(1-5/8)	31.25 - 32.50	1.0000	1.0000
L26	15	CU12PSM9P8XXX(1-3/8)	31.25 - 32.50	1.0000	1.0000
L26	17	Safety Line 3/8	31.25 - 32.50	1.0000	1.0000
L26	25	5"x1" Plate	31.25 - 32.50	1.0000	1.0000
L26	26	5"x1" Plate	31.25 - 32.50	1.0000	1.0000
L26	27	5"x1" Plate	31.25 - 32.50	1.0000	1.0000
L26	33	5"x1.25" Plate	31.25 - 32.50	1.0000	1.0000
L26	34	5"x1.25" Plate	31.25 - 32.50	1.0000	1.0000
L26	35	5"x1.25" Plate	31.25 - 32.50	1.0000	1.0000
L27	8	HJ7-50A(1-5/8)	31.00 - 31.25	1.0000	1.0000
L27	15	CU12PSM9P8XXX(1-3/8)	31.00 - 31.25	1.0000	1.0000
L27	17	Safety Line 3/8	31.00 - 31.25	1.0000	1.0000
L27	25	5"x1" Plate	31.00 - 31.25	1.0000	1.0000
L27	26	5"x1" Plate	31.00 - 31.25	1.0000	1.0000
L27	27	5"x1" Plate	31.00 - 31.25	1.0000	1.0000
L27	33	5"x1.25" Plate	31.00 - 31.25	1.0000	1.0000
L27	34	5"x1.25" Plate	31.00 - 31.25	1.0000	1.0000
L27	35	5"x1.25" Plate	31.00 - 31.25	1.0000	1.0000
L28	8	HJ7-50A(1-5/8)	26.00 - 31.00	1.0000	1.0000
L28	15	CU12PSM9P8XXX(1-3/8)	26.00 - 31.00	1.0000	1.0000
L28	17	Safety Line 3/8	26.00 - 31.00	1.0000	1.0000
L28	25	5"x1" Plate	26.00 - 31.00	1.0000	1.0000
L28	26	5"x1" Plate	26.00 - 31.00	1.0000	1.0000
L28	27	5"x1" Plate	26.00 - 31.00	1.0000	1.0000
L28	33	5"x1.25" Plate	30.50 - 31.00	1.0000	1.0000
L28	34	5"x1.25" Plate	30.50 - 31.00	1.0000	1.0000
L28	35	5"x1.25" Plate	30.50 - 31.00	1.0000	1.0000
L29	8	HJ7-50A(1-5/8)	21.00 - 26.00	1.0000	1.0000
L29	15	CU12PSM9P8XXX(1-3/8)	21.00 - 26.00	1.0000	1.0000
L29	17	Safety Line 3/8	21.00 - 26.00	1.0000	1.0000
L29	25	5"x1" Plate	21.00 - 26.00	1.0000	1.0000
L29	26	5"x1" Plate	21.00 - 26.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L29	27	5"x1" Plate	21.00 - 26.00	1.0000	1.0000
L30	8	HJ7-50A(1-5/8)	19.75 - 21.00	1.0000	1.0000
L30	15	CU12PSM9P8XXX(1-3/8)	19.75 - 21.00	1.0000	1.0000
L30	17	Safety Line 3/8	19.75 - 21.00	1.0000	1.0000
L30	20	5"x1" Plate	19.75 - 20.50	1.0000	1.0000
L30	21	5"x1" Plate	19.75 - 20.50	1.0000	1.0000
L30	22	5"x1" Plate	19.75 - 20.50	1.0000	1.0000
L30	23	5"x1" Plate	19.75 - 20.50	1.0000	1.0000
L30	25	5"x1" Plate	19.75 - 21.00	1.0000	1.0000
L30	26	5"x1" Plate	19.75 - 21.00	1.0000	1.0000
L30	27	5"x1" Plate	19.75 - 21.00	1.0000	1.0000
L31	8	HJ7-50A(1-5/8)	19.50 - 19.75	1.0000	1.0000
L31	15	CU12PSM9P8XXX(1-3/8)	19.50 - 19.75	1.0000	1.0000
L31	17	Safety Line 3/8	19.50 - 19.75	1.0000	1.0000
L31	20	5"x1" Plate	19.50 - 19.75	1.0000	1.0000
L31	21	5"x1" Plate	19.50 - 19.75	1.0000	1.0000
L31	22	5"x1" Plate	19.50 - 19.75	1.0000	1.0000
L31	23	5"x1" Plate	19.50 - 19.75	1.0000	1.0000
L31	25	5"x1" Plate	19.50 - 19.75	1.0000	1.0000
L31	26	5"x1" Plate	19.50 - 19.75	1.0000	1.0000
L31	27	5"x1" Plate	19.50 - 19.75	1.0000	1.0000
L32	8	HJ7-50A(1-5/8)	18.50 - 19.50	1.0000	1.0000
L32	15	CU12PSM9P8XXX(1-3/8)	18.50 - 19.50	1.0000	1.0000
L32	17	Safety Line 3/8	18.50 - 19.50	1.0000	1.0000
L32	20	5"x1" Plate	18.50 - 19.50	1.0000	1.0000
L32	21	5"x1" Plate	18.50 - 19.50	1.0000	1.0000
L32	22	5"x1" Plate	18.50 - 19.50	1.0000	1.0000
L32	23	5"x1" Plate	18.50 - 19.50	1.0000	1.0000
L32	25	5"x1" Plate	18.50 - 19.50	1.0000	1.0000
L32	26	5"x1" Plate	18.50 - 19.50	1.0000	1.0000
L32	27	5"x1" Plate	18.50 - 19.50	1.0000	1.0000
L33	8	HJ7-50A(1-5/8)	18.25 - 18.50	1.0000	1.0000
L33	15	CU12PSM9P8XXX(1-3/8)	18.25 - 18.50	1.0000	1.0000
L33	17	Safety Line 3/8	18.25 - 18.50	1.0000	1.0000
L33	20	5"x1" Plate	18.25 - 18.50	1.0000	1.0000
L33	21	5"x1" Plate	18.25 - 18.50	1.0000	1.0000
L33	22	5"x1" Plate	18.25 - 18.50	1.0000	1.0000
L33	23	5"x1" Plate	18.25 - 18.50	1.0000	1.0000
L33	25	5"x1" Plate	18.25 - 18.50	1.0000	1.0000
L33	26	5"x1" Plate	18.25 - 18.50	1.0000	1.0000
L33	27	5"x1" Plate	18.25 - 18.50	1.0000	1.0000
L34	8	HJ7-50A(1-5/8)	13.25 - 18.25	1.0000	1.0000
L34	15	CU12PSM9P8XXX(1-3/8)	13.25 - 18.25	1.0000	1.0000
L34	17	Safety Line 3/8	13.25 - 18.25	1.0000	1.0000
L34	20	5"x1" Plate	13.25 - 18.25	1.0000	1.0000
L34	21	5"x1" Plate	13.25 - 18.25	1.0000	1.0000
L34	22	5"x1" Plate	13.25 - 18.25	1.0000	1.0000
L34	23	5"x1" Plate	13.25 - 18.25	1.0000	1.0000
L34	25	5"x1" Plate	18.00 - 18.25	1.0000	1.0000
L34	26	5"x1" Plate	18.00 - 18.25	1.0000	1.0000
L34	27	5"x1" Plate	18.00 - 18.25	1.0000	1.0000
L35	8	HJ7-50A(1-5/8)	8.25 - 13.25	1.0000	1.0000
L35	15	CU12PSM9P8XXX(1-3/8)	8.25 - 13.25	1.0000	1.0000
L35	17	Safety Line 3/8	8.25 - 13.25	1.0000	1.0000
L35	20	5"x1" Plate	8.25 - 13.25	1.0000	1.0000
L35	21	5"x1" Plate	8.25 - 13.25	1.0000	1.0000
L35	22	5"x1" Plate	8.25 - 13.25	1.0000	1.0000
L35	23	5"x1" Plate	8.25 - 13.25	1.0000	1.0000
L36	8	HJ7-50A(1-5/8)	3.25 - 8.25	1.0000	1.0000
L36	15	CU12PSM9P8XXX(1-3/8)	3.25 - 8.25	1.0000	1.0000
L36	17	Safety Line 3/8	3.25 - 8.25	1.0000	1.0000
L36	20	5"x1" Plate	3.25 - 8.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L36	21	5"x1" Plate	3.25 - 8.25	1.0000	1.0000
L36	22	5"x1" Plate	3.25 - 8.25	1.0000	1.0000
L36	23	5"x1" Plate	3.25 - 8.25	1.0000	1.0000
L37	8	HJ7-50A(1-5/8)	0.00 - 3.25	1.0000	1.0000
L37	15	CU12PSM9P8XXX(1-3/8)	0.00 - 3.25	1.0000	1.0000
L37	17	Safety Line 3/8	0.00 - 3.25	1.0000	1.0000
L37	20	5"x1" Plate	0.00 - 3.25	1.0000	1.0000
L37	21	5"x1" Plate	0.00 - 3.25	1.0000	1.0000
L37	22	5"x1" Plate	0.00 - 3.25	1.0000	1.0000
L37	23	5"x1" Plate	0.00 - 3.25	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L12	44	4"x1.25" Plate	61.25 - 62.50	Auto	0.0000
L12	45	4"x1.25" Plate	61.25 - 62.50	Auto	0.0000
L12	46	4"x1.25" Plate	61.25 - 62.50	Auto	0.0000
L13	44	4"x1.25" Plate	61.00 - 61.25	Auto	0.0000
L13	45	4"x1.25" Plate	61.00 - 61.25	Auto	0.0000
L13	46	4"x1.25" Plate	61.00 - 61.25	Auto	0.0000
L14	44	4"x1.25" Plate	60.75 - 61.00	Auto	0.0000
L14	45	4"x1.25" Plate	60.75 - 61.00	Auto	0.0000
L14	46	4"x1.25" Plate	60.75 - 61.00	Auto	0.0000
L15	29	4.5"x1" Plate	58.75 - 59.00	Auto	0.0106
L15	30	4.5"x1" Plate	58.75 - 59.00	Auto	0.0106
L15	31	4.5"x1" Plate	58.75 - 59.00	Auto	0.0106
L15	44	4"x1.25" Plate	58.75 - 60.75	Auto	0.0000
L15	45	4"x1.25" Plate	58.75 - 60.75	Auto	0.0000
L15	46	4"x1.25" Plate	58.75 - 60.75	Auto	0.0000
L16	29	4.5"x1" Plate	58.50 - 58.75	Auto	0.0092
L16	30	4.5"x1" Plate	58.50 - 58.75	Auto	0.0092
L16	31	4.5"x1" Plate	58.50 - 58.75	Auto	0.0092
L16	44	4"x1.25" Plate	58.50 - 58.75	Auto	0.0000
L16	45	4"x1.25" Plate	58.50 - 58.75	Auto	0.0000
L16	46	4"x1.25" Plate	58.50 - 58.75	Auto	0.0000
L17	29	4.5"x1" Plate	57.50 - 58.50	Auto	0.0055
L17	30	4.5"x1" Plate	57.50 - 58.50	Auto	0.0055
L17	31	4.5"x1" Plate	57.50 - 58.50	Auto	0.0055
L17	44	4"x1.25" Plate	57.50 - 58.50	Auto	0.0000
L17	45	4"x1.25" Plate	57.50 - 58.50	Auto	0.0000
L17	46	4"x1.25" Plate	57.50 - 58.50	Auto	0.0000
L18	29	4.5"x1" Plate	57.25 - 57.50	Auto	0.0018
L18	30	4.5"x1" Plate	57.25 - 57.50	Auto	0.0018
L18	31	4.5"x1" Plate	57.25 - 57.50	Auto	0.0018
L18	44	4"x1.25" Plate	57.25 - 57.50	Auto	0.0000
L18	45	4"x1.25" Plate	57.25 - 57.50	Auto	0.0000
L18	46	4"x1.25" Plate	57.25 - 57.50	Auto	0.0000
L19	29	4.5"x1" Plate	52.25 - 57.25	Auto	0.0000
L19	30	4.5"x1" Plate	52.25 - 57.25	Auto	0.0000
L19	31	4.5"x1" Plate	52.25 - 57.25	Auto	0.0000
L20	29	4.5"x1" Plate	47.25 - 52.25	Auto	0.0000
L20	30	4.5"x1" Plate	47.25 - 52.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L20	31	4.5"x1" Plate	47.25 - 52.25	Auto	0.0000
L21	29	4.5"x1" Plate	41.33 - 47.25	Auto	0.0000
L21	30	4.5"x1" Plate	41.33 - 47.25	Auto	0.0000
L21	31	4.5"x1" Plate	41.33 - 47.25	Auto	0.0000
L21	37	5"x1.25" Plate	41.25 - 43.75	Auto	0.0231
L21	38	5"x1.25" Plate	41.25 - 43.75	Auto	0.0231
L21	39	5"x1.25" Plate	41.25 - 43.75	Auto	0.0231
L21	40	5"x1.25" Plate	41.25 - 43.75	Auto	0.0231
L21	41	5"x1.25" Plate	41.25 - 43.75	Auto	0.0231
L21	42	5"x1.25" Plate	41.25 - 43.75	Auto	0.0231
L22	33	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	34	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	35	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	37	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	38	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	39	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	40	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	41	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L22	42	5"x1.25" Plate	40.25 - 41.25	Auto	0.1370
L23	33	5"x1.25" Plate	35.25 - 40.25	Auto	0.1168
L23	34	5"x1.25" Plate	35.25 - 40.25	Auto	0.1168
L23	35	5"x1.25" Plate	35.25 - 40.25	Auto	0.1168
L23	37	5"x1.25" Plate	38.75 - 40.25	Auto	0.1260
L23	38	5"x1.25" Plate	38.75 - 40.25	Auto	0.1260
L23	39	5"x1.25" Plate	38.75 - 40.25	Auto	0.1260
L23	40	5"x1.25" Plate	38.75 - 40.25	Auto	0.1260
L23	41	5"x1.25" Plate	38.75 - 40.25	Auto	0.1260
L23	42	5"x1.25" Plate	38.75 - 40.25	Auto	0.1260
L24	25	5"x1" Plate	32.75 - 33.00	Auto	0.0910
L24	26	5"x1" Plate	32.75 - 33.00	Auto	0.0910
L24	27	5"x1" Plate	32.75 - 33.00	Auto	0.0910
L24	33	5"x1.25" Plate	32.75 - 35.25	Auto	0.0970
L24	34	5"x1.25" Plate	32.75 - 35.25	Auto	0.0970
L24	35	5"x1.25" Plate	32.75 - 35.25	Auto	0.0970
L25	25	5"x1" Plate	32.50 - 32.75	Auto	0.0105
L25	26	5"x1" Plate	32.50 - 32.75	Auto	0.0105
L25	27	5"x1" Plate	32.50 - 32.75	Auto	0.0105
L25	33	5"x1.25" Plate	32.50 - 32.75	Auto	0.0105
L25	34	5"x1.25" Plate	32.50 - 32.75	Auto	0.0105
L25	35	5"x1.25" Plate	32.50 - 32.75	Auto	0.0105
L26	25	5"x1" Plate	31.25 - 32.50	Auto	0.0066
L26	26	5"x1" Plate	31.25 - 32.50	Auto	0.0066
L26	27	5"x1" Plate	31.25 - 32.50	Auto	0.0066
L26	33	5"x1.25" Plate	31.25 - 32.50	Auto	0.0066
L26	34	5"x1.25" Plate	31.25 - 32.50	Auto	0.0066
L26	35	5"x1.25" Plate	31.25 - 32.50	Auto	0.0066
L27	25	5"x1" Plate	31.00 - 31.25	Auto	0.0026
L27	26	5"x1" Plate	31.00 - 31.25	Auto	0.0026
L27	27	5"x1" Plate	31.00 - 31.25	Auto	0.0026
L27	33	5"x1.25" Plate	31.00 - 31.25	Auto	0.0026
L27	34	5"x1.25" Plate	31.00 - 31.25	Auto	0.0026
L27	35	5"x1.25" Plate	31.00 - 31.25	Auto	0.0026
L28	25	5"x1" Plate	26.00 - 31.00	Auto	0.0001
L28	26	5"x1" Plate	26.00 - 31.00	Auto	0.0001
L28	27	5"x1" Plate	26.00 - 31.00	Auto	0.0001
L28	33	5"x1.25" Plate	30.50 - 31.00	Auto	0.0007
L28	34	5"x1.25" Plate	30.50 - 31.00	Auto	0.0007
L28	35	5"x1.25" Plate	30.50 - 31.00	Auto	0.0007
L29	25	5"x1" Plate	21.00 - 26.00	Auto	0.0000
L29	26	5"x1" Plate	21.00 - 26.00	Auto	0.0000
L29	27	5"x1" Plate	21.00 - 26.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L30	20	5"x1" Plate	19.75 - 20.50	Auto	0.0000
L30	21	5"x1" Plate	19.75 - 20.50	Auto	0.0000
L30	22	5"x1" Plate	19.75 - 20.50	Auto	0.0000
L30	23	5"x1" Plate	19.75 - 20.50	Auto	0.0000
L30	25	5"x1" Plate	19.75 - 21.00	Auto	0.0000
L30	26	5"x1" Plate	19.75 - 21.00	Auto	0.0000
L30	27	5"x1" Plate	19.75 - 21.00	Auto	0.0000
L31	20	5"x1" Plate	19.50 - 19.75	Auto	0.0000
L31	21	5"x1" Plate	19.50 - 19.75	Auto	0.0000
L31	22	5"x1" Plate	19.50 - 19.75	Auto	0.0000
L31	23	5"x1" Plate	19.50 - 19.75	Auto	0.0000
L31	25	5"x1" Plate	19.50 - 19.75	Auto	0.0000
L31	26	5"x1" Plate	19.50 - 19.75	Auto	0.0000
L31	27	5"x1" Plate	19.50 - 19.75	Auto	0.0000
L32	20	5"x1" Plate	18.50 - 19.50	Auto	0.0000
L32	21	5"x1" Plate	18.50 - 19.50	Auto	0.0000
L32	22	5"x1" Plate	18.50 - 19.50	Auto	0.0000
L32	23	5"x1" Plate	18.50 - 19.50	Auto	0.0000
L32	25	5"x1" Plate	18.50 - 19.50	Auto	0.0000
L32	26	5"x1" Plate	18.50 - 19.50	Auto	0.0000
L32	27	5"x1" Plate	18.50 - 19.50	Auto	0.0000
L33	20	5"x1" Plate	18.25 - 18.50	Auto	0.0000
L33	21	5"x1" Plate	18.25 - 18.50	Auto	0.0000
L33	22	5"x1" Plate	18.25 - 18.50	Auto	0.0000
L33	23	5"x1" Plate	18.25 - 18.50	Auto	0.0000
L33	25	5"x1" Plate	18.25 - 18.50	Auto	0.0000
L33	26	5"x1" Plate	18.25 - 18.50	Auto	0.0000
L33	27	5"x1" Plate	18.25 - 18.50	Auto	0.0000
L34	20	5"x1" Plate	13.25 - 18.25	Auto	0.0000
L34	21	5"x1" Plate	13.25 - 18.25	Auto	0.0000
L34	22	5"x1" Plate	13.25 - 18.25	Auto	0.0000
L34	23	5"x1" Plate	13.25 - 18.25	Auto	0.0000
L34	25	5"x1" Plate	18.00 - 18.25	Auto	0.0000
L34	26	5"x1" Plate	18.00 - 18.25	Auto	0.0000
L34	27	5"x1" Plate	18.00 - 18.25	Auto	0.0000
L35	20	5"x1" Plate	8.25 - 13.25	Auto	0.0000
L35	21	5"x1" Plate	8.25 - 13.25	Auto	0.0000
L35	22	5"x1" Plate	8.25 - 13.25	Auto	0.0000
L35	23	5"x1" Plate	8.25 - 13.25	Auto	0.0000
L36	20	5"x1" Plate	3.25 - 8.25	Auto	0.0000
L36	21	5"x1" Plate	3.25 - 8.25	Auto	0.0000
L36	22	5"x1" Plate	3.25 - 8.25	Auto	0.0000
L36	23	5"x1" Plate	3.25 - 8.25	Auto	0.0000
L37	20	5"x1" Plate	0.00 - 3.25	Auto	0.0000
L37	21	5"x1" Plate	0.00 - 3.25	Auto	0.0000
L37	22	5"x1" Plate	0.00 - 3.25	Auto	0.0000
L37	23	5"x1" Plate	0.00 - 3.25	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) DMP65R-BU4D w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.530 8.040 8.570 9.680	3.790 4.230 4.680 5.630	0.095 0.156 0.225 0.391
(2) DMP65R-BU4D w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.530 8.040 8.570 9.680	3.790 4.230 4.680 5.630	0.095 0.156 0.225 0.391
(2) DMP65R-BU4D w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.530 8.040 8.570 9.680	3.790 4.230 4.680 5.630	0.095 0.156 0.225 0.391
7770.00 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
7770.00 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
7770.00 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
(2) LGP21401	A	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	B	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	C	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(3) RRUS 4478 B14	A	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.843 2.012 2.190 2.566	1.059 1.197 1.342 1.656	0.060 0.076 0.094 0.140
(3) RRUS 8843 B2/B66A	B	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.639 1.799 1.966 2.323	1.353 1.500 1.655 1.986	0.072 0.090 0.110 0.159
(3) RRUS 4449 B5/B12	C	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
(2) 1001940	A	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.176 0.232 0.295 0.444	0.083 0.126 0.178 0.304	0.002 0.004 0.006 0.015
1001940	B	From Leg	4.000 0.000 0.000	0.000	118.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.176 0.232 0.295 0.444	0.083 0.126 0.178 0.304	0.002 0.004 0.006 0.015
DC6-48-60-18-8C	A	From Leg	2.000	0.000	118.000	No Ice	2.737	2.737	0.026

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	2.963	2.963	0.052
			0.000			1" Ice	3.196	3.196	0.082
						2" Ice	3.684	3.684	0.152
DC6-48-60-18-8F	B	From Leg	2.000	0.000	118.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			0.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	118.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	118.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	118.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
3' x 2" Pipe Mount	A	From Leg	4.000	0.000	118.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			1.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
3' x 2" Pipe Mount	B	From Leg	4.000	0.000	118.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			1.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
3' x 2" Pipe Mount	C	From Leg	4.000	0.000	118.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			1.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
3' x 2" Pipe Mount	A	From Leg	2.000	0.000	118.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			1.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
3' x 2" Pipe Mount	B	From Leg	2.000	0.000	118.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			1.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
Platform Mount [LP 303-1_HR-1]	C	None		0.000	118.000	No Ice	17.090	17.090	1.495
						1/2" Ice	21.470	21.470	1.881
						1" Ice	25.720	25.720	2.346
						2" Ice	33.960	33.960	3.518
*									
(2) LPA-185063/8CFX2 w/ Mount Pipe	A	From Leg	4.000	0.000	106.000	No Ice	3.211	3.919	0.027
			0.000			1/2" Ice	3.573	4.523	0.062
			1.000			1" Ice	3.936	5.137	0.103
						2" Ice	4.688	6.397	0.203
(2) LPA-185063/8CFX2 w/ Mount Pipe	B	From Leg	4.000	0.000	106.000	No Ice	3.211	3.919	0.027
			0.000			1/2" Ice	3.573	4.523	0.062
			1.000			1" Ice	3.936	5.137	0.103
						2" Ice	4.688	6.397	0.203
(2) LPA-185063/8CFX2 w/ Mount Pipe	C	From Leg	4.000	0.000	106.000	No Ice	3.211	3.919	0.027
			0.000			1/2" Ice	3.573	4.523	0.062
			1.000			1" Ice	3.936	5.137	0.103
						2" Ice	4.688	6.397	0.203
NHH-65B-R2B w/ Mount	A	From Leg	4.000	0.000	106.000	No Ice	4.090	3.290	0.069

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
Pipe			0.000			1/2" Ice	4.480	3.670	0.132
			1.000			1" Ice	4.880	4.060	0.205
						2" Ice	5.700	4.860	0.385
NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.000	0.000	106.000	No Ice	4.090	3.290	0.069
			0.000			1/2" Ice	4.480	3.670	0.132
			1.000			1" Ice	4.880	4.060	0.205
						2" Ice	5.700	4.860	0.385
NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.000	0.000	106.000	No Ice	4.090	3.290	0.069
			0.000			1/2" Ice	4.480	3.670	0.132
			1.000			1" Ice	4.880	4.060	0.205
						2" Ice	5.700	4.860	0.385
NHHSS-65B-R2B w/ Mount Pipe	A	From Leg	4.000	0.000	106.000	No Ice	3.890	3.140	0.091
			0.000			1/2" Ice	4.270	3.500	0.154
			1.000			1" Ice	4.650	3.870	0.227
						2" Ice	5.430	4.630	0.407
NHHSS-65B-R2B w/ Mount Pipe	B	From Leg	4.000	0.000	106.000	No Ice	3.890	3.140	0.091
			0.000			1/2" Ice	4.270	3.500	0.154
			1.000			1" Ice	4.650	3.870	0.227
						2" Ice	5.430	4.630	0.407
NHHSS-65B-R2B w/ Mount Pipe	C	From Leg	4.000	0.000	106.000	No Ice	3.890	3.140	0.091
			0.000			1/2" Ice	4.270	3.500	0.154
			1.000			1" Ice	4.650	3.870	0.227
						2" Ice	5.430	4.630	0.407
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	106.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			1.000			1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	106.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			1.000			1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	106.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			1.000			1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
(2) CBRS RT4401-48A	A	From Leg	4.000	0.000	106.000	No Ice	0.991	0.496	0.019
			0.000			1/2" Ice	1.120	0.596	0.026
			1.000			1" Ice	1.255	0.704	0.036
						2" Ice	1.549	0.942	0.062
CBRS RT4401-48A	B	From Leg	4.000	0.000	106.000	No Ice	0.991	0.496	0.019
			0.000			1/2" Ice	1.120	0.596	0.026
			1.000			1" Ice	1.255	0.704	0.036
						2" Ice	1.549	0.942	0.062
(2) RF4439D-25A	A	From Leg	4.000	0.000	106.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			1.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4439D-25A	B	From Leg	4.000	0.000	106.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			1.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4440D-13A	B	From Leg	4.000	0.000	106.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			1.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
(2) RF4440D-13A	C	From Leg	4.000	0.000	106.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			1.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
RRFDC-3315-PF-48	A	From Leg	4.000	0.000	106.000	No Ice	3.364	2.192	0.021
			0.000			1/2" Ice	3.597	2.395	0.050
			1.000			1" Ice	3.838	2.606	0.082
						2" Ice	4.343	3.049	0.158
RRFDC-3315-PF-48	B	From Leg	4.000	0.000	106.000	No Ice	3.364	2.192	0.021
			0.000			1/2" Ice	3.597	2.395	0.050
			1.000			1" Ice	3.838	2.606	0.082
						2" Ice	4.343	3.049	0.158
3' x 2" Pipe Mount	A	From Leg	2.000	0.000	106.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			1.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
3' x 2" Pipe Mount	B	From Leg	2.000	0.000	106.000	No Ice	0.583	0.583	0.011
			0.000			1/2" Ice	0.770	0.770	0.017
			1.000			1" Ice	0.967	0.967	0.024
						2" Ice	1.388	1.388	0.047
Platform Mount [LP 303-1_HR-1]	C	None		0.000	106.000	No Ice	17.090	17.090	1.495
						1/2" Ice	21.470	21.470	1.881
						1" Ice	25.720	25.720	2.346
						2" Ice	33.960	33.960	3.518
BSAMNT-SBS-1-2 Brackets	A	From Leg	4.000	0.000	106.000	No Ice	0.000	0.000	0.067
			0.000			1/2" Ice	0.000	0.000	0.088
			0.000			1" Ice	0.000	0.000	0.108
						2" Ice	0.000	0.000	0.148
BSAMNT-SBS-1-2 Brackets	B	From Leg	4.000	0.000	106.000	No Ice	0.000	0.000	0.067
			0.000			1/2" Ice	0.000	0.000	0.088
			0.000			1" Ice	0.000	0.000	0.108
						2" Ice	0.000	0.000	0.148
BSAMNT-SBS-1-2 Brackets	C	From Leg	4.000	0.000	106.000	No Ice	0.000	0.000	0.067
			0.000			1/2" Ice	0.000	0.000	0.088
			0.000			1" Ice	0.000	0.000	0.108
						2" Ice	0.000	0.000	0.148
*									
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Leg	2.000	0.000	99.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Leg	2.000	0.000	99.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Leg	2.000	0.000	99.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	2.000	0.000	99.000	No Ice	3.760	3.150	0.194
			0.000			1/2" Ice	4.120	3.490	0.252
			0.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	2.000	0.000	99.000	No Ice	3.760	3.150	0.194
			0.000			1/2" Ice	4.120	3.490	0.252
			0.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	2.000	0.000	99.000	No Ice	3.760	3.150	0.194
			0.000			1/2" Ice	4.120	3.490	0.252

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1" Ice	4.480	3.840	0.320
						2" Ice	5.240	4.580	0.485
RADIO 4449 B12/B71	A	From Leg	2.000	0.000	99.000	No Ice	1.650	1.163	0.074
			0.000			1/2" Ice	1.810	1.301	0.090
			0.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
RADIO 4449 B12/B71	B	From Leg	2.000	0.000	99.000	No Ice	1.650	1.163	0.074
			0.000			1/2" Ice	1.810	1.301	0.090
			0.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
RADIO 4449 B12/B71	C	From Leg	2.000	0.000	99.000	No Ice	1.650	1.163	0.074
			0.000			1/2" Ice	1.810	1.301	0.090
			0.000			1" Ice	1.978	1.447	0.109
						2" Ice	2.336	1.762	0.155
KRY 112 144/1	A	From Leg	2.000	0.000	99.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			0.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
KRY 112 144/1	B	From Leg	2.000	0.000	99.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			0.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
KRY 112 144/1	C	From Leg	2.000	0.000	99.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			0.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
Side Arm Mount [SO 103-3]	C	None		0.000	99.000	No Ice	7.640	7.640	0.234
						1/2" Ice	8.800	8.800	0.360
						1" Ice	10.160	10.160	0.517
						2" Ice	13.360	13.360	0.937
*									
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000	0.000	89.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
						2" Ice	10.110	6.120	0.522
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.000	0.000	89.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
						2" Ice	10.110	6.120	0.522
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.000	0.000	89.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
						2" Ice	10.110	6.120	0.522
TA08025-B604	A	From Leg	4.000	0.000	89.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
						2" Ice	2.705	1.548	0.148
TA08025-B604	B	From Leg	4.000	0.000	89.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
						2" Ice	2.705	1.548	0.148
TA08025-B604	C	From Leg	4.000	0.000	89.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
						2" Ice	2.705	1.548	0.148
TA08025-B605	A	From Leg	4.000	0.000	89.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093

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" Ice	2.320	1.411	0.114
						2" Ice	2.705	1.723	0.164
TA08025-B605	B	From Leg	4.000	0.000	89.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
						2" Ice	2.705	1.723	0.164
TA08025-B605	C	From Leg	4.000	0.000	89.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
						2" Ice	2.705	1.723	0.164
RDIDC-9181-PF-48	A	From Leg	4.000	0.000	89.000	No Ice	2.012	1.168	0.022
			0.000			1/2" Ice	2.189	1.311	0.040
			0.000			1" Ice	2.373	1.461	0.060
						2" Ice	2.763	1.784	0.110
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	89.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	89.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	89.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Commscope MC-K6MHDX-9-96 (3)	C	None		0.000	89.000	No Ice	15.300	15.300	1.192
						1/2" Ice	20.480	20.480	1.705
						1" Ice	25.660	25.660	2.219
						2" Ice	36.020	36.020	3.245
*									

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

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	120 - 115	Pole	Max Tension	39	0.000	0.000	-0.000
			Max. Compression	26	-8.436	-0.412	0.021
			Max. Mx	8	-3.358	-14.314	-0.107
			Max. My	14	-3.346	-0.101	-14.434
			Max. Vy	8	4.733	-14.314	-0.107
			Max. Vx	2	-4.782	-0.168	14.174
			Max. Torque	12			0.195
L2	115 - 110	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-8.974	-0.452	0.049
			Max. Mx	8	-3.648	-38.789	-0.044
			Max. My	14	-3.637	-0.053	-39.148
			Max. Vy	8	5.059	-38.789	-0.044
			Max. Vx	2	-5.107	-0.234	38.892
			Max. Torque	12			0.195
L3	110 - 105	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-17.983	-1.341	0.845
			Max. Mx	8	-7.271	-71.640	0.180
			Max. My	2	-7.248	-0.429	72.092

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	9.277	-71.640	0.180
			Max. Vx	2	-9.371	-0.429	72.092
			Max. Torque	12			0.849
L4	105 - 100	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-18.654	-1.454	0.919
			Max. Mx	8	-7.663	-118.854	0.131
			Max. My	2	-7.640	-0.387	119.770
			Max. Vy	8	9.608	-118.854	0.131
			Max. Vx	2	-9.702	-0.387	119.770
			Max. Torque	12			0.849
L5	100 - 95	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-23.817	-1.575	1.000
			Max. Mx	8	-9.780	-176.865	0.082
			Max. My	2	-9.755	-0.347	178.255
			Max. Vy	8	12.225	-176.865	0.082
			Max. Vx	2	-12.321	-0.347	178.255
			Max. Torque	12			0.849
L6	95 - 90	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-24.588	-1.696	1.082
			Max. Mx	8	-10.303	-238.780	0.033
			Max. My	2	-10.278	-0.305	240.646
			Max. Vy	8	12.546	-238.780	0.033
			Max. Vx	2	-12.643	-0.305	240.646
			Max. Torque	12			0.848
L7	90 - 83	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-30.779	-1.813	1.582
			Max. Mx	8	-12.991	-292.761	0.105
			Max. My	2	-12.961	-0.280	295.198
			Max. Vy	8	15.144	-292.761	0.105
			Max. Vx	2	-15.271	-0.280	295.198
			Max. Torque	22			-0.958
L8	83 - 81.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-32.029	-1.971	1.688
			Max. Mx	8	-13.815	-369.394	0.060
			Max. My	2	-13.785	-0.247	372.462
			Max. Vy	8	15.509	-369.394	0.060
			Max. Vx	2	-15.637	-0.247	372.462
			Max. Torque	22			-0.956
L9	81.25 - 76.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-32.963	-2.132	1.793
			Max. Mx	8	-14.514	-447.635	0.015
			Max. My	2	-14.487	-0.213	451.334
			Max. Vy	8	15.803	-447.635	0.015
			Max. Vx	2	-15.931	-0.213	451.334
			Max. Torque	22			-0.956
L10	76.25 - 71.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-33.913	-2.290	1.896
			Max. Mx	8	-15.233	-527.344	-0.031
			Max. My	2	-15.207	-0.180	531.673
			Max. Vy	8	16.092	-527.344	-0.031
			Max. Vx	2	-16.220	-0.180	531.673
			Max. Torque	22			-0.955
L11	71.25 - 66.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.880	-2.447	1.997
			Max. Mx	8	-15.976	-608.463	-0.078
			Max. My	2	-15.952	-0.146	613.420
			Max. Vy	8	16.369	-608.463	-0.078
			Max. Vx	2	-16.497	-0.146	613.420
			Max. Torque	22			-0.954
L12	66.25 - 61.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.891	-2.601	2.095

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	8	-16.744	-690.930	-0.125
			Max. My	2	-16.721	-0.111	696.513
			Max. Vy	8	16.634	-690.930	-0.125
			Max. Vx	2	-16.761	-0.111	696.513
			Max. Torque	22			-0.952
L13	61.25 - 61	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.947	-2.610	2.101
			Max. Mx	8	-16.793	-695.087	-0.127
			Max. My	2	-16.771	-0.109	700.702
			Max. Vy	8	16.637	-695.087	-0.127
			Max. Vx	2	-16.764	-0.109	700.702
			Max. Torque	22			-0.951
L14	61 - 60.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.002	-2.618	2.106
			Max. Mx	8	-16.832	-699.248	-0.129
			Max. My	2	-16.810	-0.108	704.894
			Max. Vy	8	16.650	-699.248	-0.129
			Max. Vx	2	-16.777	-0.108	704.894
			Max. Torque	22			-0.951
L15	60.75 - 58.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.452	-2.677	2.143
			Max. Mx	8	-17.136	-732.650	-0.148
			Max. My	2	-17.115	-0.094	738.545
			Max. Vy	8	16.761	-732.650	-0.148
			Max. Vx	2	-16.888	-0.094	738.545
			Max. Torque	22			-0.951
L16	58.75 - 58.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.514	-2.686	2.149
			Max. Mx	8	-17.186	-736.840	-0.151
			Max. My	2	-17.165	-0.092	742.766
			Max. Vy	8	16.764	-736.840	-0.151
			Max. Vx	2	-16.891	-0.092	742.766
			Max. Torque	22			-0.951
L17	58.5 - 57.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.763	-2.715	2.167
			Max. Mx	8	-17.334	-753.629	-0.160
			Max. My	2	-17.313	-0.085	759.680
			Max. Vy	8	16.824	-753.629	-0.160
			Max. Vx	2	-16.951	-0.085	759.680
			Max. Torque	22			-0.950
L18	57.5 - 57.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.825	-2.724	2.173
			Max. Mx	8	-17.385	-757.834	-0.162
			Max. My	2	-17.364	-0.083	763.916
			Max. Vy	8	16.826	-757.834	-0.162
			Max. Vx	2	-16.953	-0.083	763.916
			Max. Torque	22			-0.950
L19	57.25 - 52.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.960	-2.872	2.265
			Max. Mx	8	-18.182	-842.568	-0.210
			Max. My	2	-18.163	-0.048	849.271
			Max. Vy	8	17.077	-842.568	-0.210
			Max. Vx	2	-17.204	-0.048	849.271
			Max. Torque	22			-0.950
L20	52.25 - 47.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-39.109	-3.018	2.356
			Max. Mx	8	-19.011	-928.467	-0.258
			Max. My	2	-18.994	-0.013	935.787
			Max. Vy	8	17.304	-928.467	-0.258
			Max. Vx	2	-17.430	-0.013	935.787
			Max. Torque	22			-0.949

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L21	47.25 - 41.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-39.680	-3.083	2.396
			Max. Mx	8	-19.388	-967.482	-0.279
			Max. My	2	-19.373	0.002	975.078
			Max. Vy	8	17.402	-967.482	-0.279
			Max. Vx	2	-17.527	0.002	975.078
			Max. Torque	22			-0.948
L22	41.25 - 40.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-41.942	-3.220	2.480
			Max. Mx	8	-20.941	-1050.947	-0.324
			Max. My	2	-20.925	0.034	1059.129
			Max. Vy	8	17.747	-1050.947	-0.324
			Max. Vx	2	-17.879	0.034	1059.129
			Max. Torque	22			-0.947
L23	40.25 - 35.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-43.697	-3.362	2.568
			Max. Mx	8	-22.223	-1140.432	-0.371
			Max. My	2	-22.209	0.068	1149.261
			Max. Vy	8	18.056	-1140.432	-0.371
			Max. Vx	2	-18.187	0.068	1149.261
			Max. Torque	22			-0.947
L24	35.25 - 32.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.548	-3.433	2.611
			Max. Mx	8	-22.871	-1185.745	-0.394
			Max. My	2	-22.857	0.085	1194.896
			Max. Vy	8	18.207	-1185.745	-0.394
			Max. Vx	2	-18.339	0.085	1194.896
			Max. Torque	22			-0.946
L25	32.75 - 32.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.620	-3.441	2.616
			Max. Mx	8	-22.927	-1190.296	-0.397
			Max. My	2	-22.914	0.087	1199.479
			Max. Vy	8	18.209	-1190.296	-0.397
			Max. Vx	2	-18.341	0.087	1199.479
			Max. Torque	22			-0.946
L26	32.5 - 31.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.980	-3.475	2.637
			Max. Mx	8	-23.159	-1213.089	-0.409
			Max. My	2	-23.146	0.095	1222.433
			Max. Vy	8	18.277	-1213.089	-0.409
			Max. Vx	2	-18.408	0.095	1222.433
			Max. Torque	22			-0.946
L27	31.25 - 31	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.052	-3.483	2.642
			Max. Mx	8	-23.223	-1217.655	-0.411
			Max. My	2	-23.210	0.097	1227.031
			Max. Vy	8	18.269	-1217.655	-0.411
			Max. Vx	2	-18.400	0.097	1227.031
			Max. Torque	22			-0.946
L28	31 - 26	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.383	-3.620	2.725
			Max. Mx	8	-24.213	-1309.467	-0.458
			Max. My	2	-24.202	0.131	1319.483
			Max. Vy	8	18.468	-1309.467	-0.458
			Max. Vx	2	-18.598	0.131	1319.483
			Max. Torque	22			-0.946
L29	26 - 21	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.713	-3.754	2.806
			Max. Mx	8	-25.233	-1402.157	-0.506
			Max. My	2	-25.224	0.165	1412.806
			Max. Vy	8	18.634	-1402.157	-0.506

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-18.763	0.165	1412.806
			Max. Torque	22			-0.945
L30	21 - 19.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.071	-3.780	2.818
			Max. Mx	8	-25.487	-1425.456	-0.517
			Max. My	2	-25.479	0.173	1436.263
			Max. Vy	8	18.678	-1425.456	-0.517
			Max. Vx	2	-18.806	0.173	1436.263
			Max. Torque	22			-0.944
L31	19.75 - 19.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.145	-3.786	2.820
			Max. Mx	8	-25.554	-1430.122	-0.520
			Max. My	2	-25.546	0.175	1440.960
			Max. Vy	8	18.666	-1430.122	-0.520
			Max. Vx	2	-18.794	0.175	1440.960
			Max. Torque	22			-0.944
L32	19.5 - 18.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.444	-3.805	2.827
			Max. Mx	8	-25.750	-1448.802	-0.529
			Max. My	2	-25.742	0.182	1459.766
			Max. Vy	8	18.710	-1448.802	-0.529
			Max. Vx	2	-18.838	0.182	1459.766
			Max. Torque	22			-0.944
L33	18.5 - 18.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.518	-3.810	2.829
			Max. Mx	8	-25.813	-1453.477	-0.532
			Max. My	2	-25.805	0.183	1464.472
			Max. Vy	8	18.702	-1453.477	-0.532
			Max. Vx	2	-18.830	0.183	1464.472
			Max. Torque	22			-0.944
L34	18.25 - 13.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.904	-3.908	2.866
			Max. Mx	8	-26.852	-1547.311	-0.578
			Max. My	2	-26.846	0.216	1558.929
			Max. Vy	8	18.845	-1547.311	-0.578
			Max. Vx	2	-18.972	0.216	1558.929
			Max. Torque	22			-0.944
L35	13.25 - 8.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.284	-4.004	2.903
			Max. Mx	8	-27.919	-1641.758	-0.625
			Max. My	2	-27.916	0.249	1653.993
			Max. Vy	8	18.963	-1641.758	-0.625
			Max. Vx	2	-19.089	0.249	1653.993
			Max. Torque	22			-0.944
L36	8.25 - 3.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.653	-4.097	2.938
			Max. Mx	8	-29.005	-1736.776	-0.671
			Max. My	2	-29.003	0.281	1749.620
			Max. Vy	8	19.075	-1736.776	-0.671
			Max. Vx	2	-19.198	0.281	1749.620
			Max. Torque	22			-0.943
L37	3.25 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-53.515	-4.152	2.960
			Max. Mx	8	-29.718	-1798.828	-0.700
			Max. My	2	-29.718	0.302	1812.062
			Max. Vy	8	19.145	-1798.828	-0.700
			Max. Vx	2	-19.268	0.302	1812.062
			Max. Torque	22			-0.943

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	53.515	0.003	5.386
	Max. H_x	20	29.734	19.120	0.013
	Max. H_z	2	29.734	0.013	19.243
	Max. M_x	2	1812.062	0.013	19.243
	Max. M_z	8	1798.828	-19.120	-0.013
	Max. Torsion	10	0.937	-16.569	-9.631
	Min. Vert	11	22.301	-16.569	-9.631
	Min. H_x	8	29.734	-19.120	-0.013
	Min. H_z	14	29.734	-0.013	-19.243
	Min. M_x	14	-1810.813	-0.013	-19.243
	Min. M_z	20	-1796.792	19.120	0.013
	Min. Torsion	22	-0.943	16.569	9.631

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	24.778	0.000	-0.000	-0.485	-0.790	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	29.734	-0.013	-19.243	-1812.062	0.302	0.673
0.9 Dead+1.0 Wind 0 deg - No Ice	22.301	-0.013	-19.243	-1773.231	0.548	0.658
1.2 Dead+1.0 Wind 30 deg - No Ice	29.734	9.549	-16.653	-1568.509	-898.749	0.235
0.9 Dead+1.0 Wind 30 deg - No Ice	22.301	9.549	-16.653	-1534.869	-879.320	0.224
1.2 Dead+1.0 Wind 60 deg - No Ice	29.734	16.552	-9.607	-905.108	-1557.299	-0.264
0.9 Dead+1.0 Wind 60 deg - No Ice	22.301	16.552	-9.607	-885.630	-1523.814	-0.268
1.2 Dead+1.0 Wind 90 deg - No Ice	29.734	19.120	0.013	0.700	-1798.828	-0.692
0.9 Dead+1.0 Wind 90 deg - No Ice	22.301	19.120	0.013	0.838	-1760.190	-0.688
1.2 Dead+1.0 Wind 120 deg - No Ice	29.734	16.569	9.631	906.247	-1558.766	-0.937
0.9 Dead+1.0 Wind 120 deg - No Ice	22.301	16.569	9.631	887.053	-1525.256	-0.927
1.2 Dead+1.0 Wind 150 deg - No Ice	29.734	9.574	16.671	1568.808	-901.140	-0.933
0.9 Dead+1.0 Wind 150 deg - No Ice	22.301	9.574	16.671	1535.476	-881.666	-0.919
1.2 Dead+1.0 Wind 180 deg - No Ice	29.734	0.013	19.243	1810.813	-2.319	-0.679
0.9 Dead+1.0 Wind 180 deg - No Ice	22.301	0.013	19.243	1772.320	-2.018	-0.664
1.2 Dead+1.0 Wind 210 deg - No Ice	29.734	-9.549	16.653	1567.258	896.715	-0.241
0.9 Dead+1.0 Wind 210 deg - No Ice	22.301	-9.549	16.653	1533.957	877.836	-0.230
1.2 Dead+1.0 Wind 240 deg - No Ice	29.734	-16.552	9.607	903.872	1555.255	0.264

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
0.9 Dead+1.0 Wind 240 deg - No Ice	22.301	-16.552	9.607	884.728	1522.324	0.268
1.2 Dead+1.0 Wind 270 deg - No Ice	29.734	-19.120	-0.013	-1.921	1796.792	0.699
0.9 Dead+1.0 Wind 270 deg - No Ice	22.301	-19.120	-0.013	-1.729	1758.705	0.694
1.2 Dead+1.0 Wind 300 deg - No Ice	29.734	-16.569	-9.631	-907.467	1556.747	0.943
0.9 Dead+1.0 Wind 300 deg - No Ice	22.301	-16.569	-9.631	-887.943	1523.784	0.932
1.2 Dead+1.0 Wind 330 deg - No Ice	29.734	-9.574	-16.671	-1570.042	899.131	0.933
0.9 Dead+1.0 Wind 330 deg - No Ice	22.301	-9.574	-16.671	-1536.376	880.200	0.918
1.2 Dead+1.0 Ice+1.0 Temp	53.515	0.000	-0.000	-2.960	-4.152	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	53.515	-0.003	-5.386	-545.962	-3.897	0.230
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	53.515	2.679	-4.663	-473.070	-273.928	0.094
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	53.515	4.643	-2.691	-274.220	-471.684	-0.068
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	53.515	5.363	0.003	-2.692	-544.176	-0.211
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	53.515	4.646	2.695	268.755	-471.979	-0.297
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	53.515	2.684	4.666	467.388	-274.438	-0.305
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	53.515	0.003	5.386	539.985	-4.487	-0.230
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	53.515	-2.679	4.663	467.093	265.543	-0.094
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	53.515	-4.643	2.691	268.244	463.299	0.068
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	53.515	-5.363	-0.003	-3.283	535.791	0.211
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	53.515	-4.646	-2.695	-274.731	463.595	0.298
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	53.515	-2.684	-4.666	-473.365	266.055	0.305
Dead+Wind 0 deg - Service	24.778	-0.003	-4.609	-429.674	-0.532	0.166
Dead+Wind 30 deg - Service	24.778	2.287	-3.988	-371.966	-213.526	0.060
Dead+Wind 60 deg - Service	24.778	3.964	-2.301	-214.794	-369.533	-0.062
Dead+Wind 90 deg - Service	24.778	4.579	0.003	-0.207	-426.748	-0.168
Dead+Wind 120 deg - Service	24.778	3.968	2.307	214.323	-369.886	-0.229
Dead+Wind 150 deg - Service	24.778	2.293	3.993	371.300	-214.097	-0.228
Dead+Wind 180 deg - Service	24.778	0.003	4.609	428.639	-1.152	-0.167
Dead+Wind 210 deg - Service	24.778	-2.287	3.988	370.930	211.841	-0.060
Dead+Wind 240 deg - Service	24.778	-3.964	2.301	213.759	367.848	0.062
Dead+Wind 270 deg - Service	24.778	-4.579	-0.003	-0.827	425.063	0.168
Dead+Wind 300 deg - Service	24.778	-3.968	-2.307	-215.357	368.202	0.229
Dead+Wind 330 deg - Service	24.778	-2.293	-3.993	-372.334	212.413	0.228

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-24.778	0.000	-0.000	24.778	0.000	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
2	-0.013	-29.734	-19.243	0.013	29.734	19.243	0.000%
3	-0.013	-22.301	-19.243	0.013	22.301	19.243	0.000%
4	9.549	-29.734	-16.653	-9.549	29.734	16.653	0.000%
5	9.549	-22.301	-16.653	-9.549	22.301	16.653	0.000%
6	16.552	-29.734	-9.607	-16.552	29.734	9.607	0.000%
7	16.552	-22.301	-9.607	-16.552	22.301	9.607	0.000%
8	19.120	-29.734	0.013	-19.120	29.734	-0.013	0.000%
9	19.120	-22.301	0.013	-19.120	22.301	-0.013	0.000%
10	16.569	-29.734	9.631	-16.569	29.734	-9.631	0.000%
11	16.569	-22.301	9.631	-16.569	22.301	-9.631	0.000%
12	9.574	-29.734	16.671	-9.574	29.734	-16.671	0.000%
13	9.574	-22.301	16.671	-9.574	22.301	-16.671	0.000%
14	0.013	-29.734	19.243	-0.013	29.734	-19.243	0.000%
15	0.013	-22.301	19.243	-0.013	22.301	-19.243	0.000%
16	-9.549	-29.734	16.653	9.549	29.734	-16.653	0.000%
17	-9.549	-22.301	16.653	9.549	22.301	-16.653	0.000%
18	-16.552	-29.734	9.607	16.552	29.734	-9.607	0.000%
19	-16.552	-22.301	9.607	16.552	22.301	-9.607	0.000%
20	-19.120	-29.734	-0.013	19.120	29.734	0.013	0.000%
21	-19.120	-22.301	-0.013	19.120	22.301	0.013	0.000%
22	-16.569	-29.734	-9.631	16.569	29.734	9.631	0.000%
23	-16.569	-22.301	-9.631	16.569	22.301	9.631	0.000%
24	-9.574	-29.734	-16.671	9.574	29.734	16.671	0.000%
25	-9.574	-22.301	-16.671	9.574	22.301	16.671	0.000%
26	0.000	-53.515	0.000	-0.000	53.515	0.000	0.000%
27	-0.003	-53.515	-5.386	0.003	53.515	5.386	0.000%
28	2.679	-53.515	-4.663	-2.679	53.515	4.663	0.000%
29	4.643	-53.515	-2.691	-4.643	53.515	2.691	0.000%
30	5.363	-53.515	0.003	-5.363	53.515	-0.003	0.000%
31	4.646	-53.515	2.695	-4.646	53.515	-2.695	0.000%
32	2.684	-53.515	4.666	-2.684	53.515	-4.666	0.000%
33	0.003	-53.515	5.386	-0.003	53.515	-5.386	0.000%
34	-2.679	-53.515	4.663	2.679	53.515	-4.663	0.000%
35	-4.643	-53.515	2.691	4.643	53.515	-2.691	0.000%
36	-5.363	-53.515	-0.003	5.363	53.515	0.003	0.000%
37	-4.646	-53.515	-2.695	4.646	53.515	2.695	0.000%
38	-2.684	-53.515	-4.666	2.684	53.515	4.666	0.000%
39	-0.003	-24.778	-4.609	0.003	24.778	4.609	0.000%
40	2.287	-24.778	-3.988	-2.287	24.778	3.988	0.000%
41	3.964	-24.778	-2.301	-3.964	24.778	2.301	0.000%
42	4.579	-24.778	0.003	-4.579	24.778	-0.003	0.000%
43	3.968	-24.778	2.307	-3.968	24.778	-2.307	0.000%
44	2.293	-24.778	3.993	-2.293	24.778	-3.993	0.000%
45	0.003	-24.778	4.609	-0.003	24.778	-4.609	0.000%
46	-2.287	-24.778	3.988	2.287	24.778	-3.988	0.000%
47	-3.964	-24.778	2.301	3.964	24.778	-2.301	0.000%
48	-4.579	-24.778	-0.003	4.579	24.778	0.003	0.000%
49	-3.968	-24.778	-2.307	3.968	24.778	2.307	0.000%
50	-2.293	-24.778	-3.993	2.293	24.778	3.993	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000700
2	Yes	6	0.00000001	0.00028096

3	Yes	6	0.00000001	0.00008961
4	Yes	8	0.00000001	0.00008992
5	Yes	7	0.00000001	0.00022684
6	Yes	8	0.00000001	0.00008992
7	Yes	7	0.00000001	0.00022706
8	Yes	6	0.00000001	0.00027959
9	Yes	6	0.00000001	0.00009138
10	Yes	7	0.00000001	0.00098846
11	Yes	7	0.00000001	0.00022065
12	Yes	8	0.00000001	0.00009152
13	Yes	7	0.00000001	0.00023118
14	Yes	6	0.00000001	0.00032268
15	Yes	6	0.00000001	0.00010374
16	Yes	7	0.00000001	0.00099868
17	Yes	7	0.00000001	0.00022374
18	Yes	7	0.00000001	0.00099771
19	Yes	7	0.00000001	0.00022361
20	Yes	6	0.00000001	0.00032085
21	Yes	6	0.00000001	0.00010545
22	Yes	8	0.00000001	0.00009138
23	Yes	7	0.00000001	0.00023104
24	Yes	7	0.00000001	0.00098786
25	Yes	7	0.00000001	0.00022041
26	Yes	5	0.00000001	0.00042594
27	Yes	8	0.00000001	0.00027336
28	Yes	8	0.00000001	0.00043920
29	Yes	8	0.00000001	0.00043781
30	Yes	8	0.00000001	0.00027232
31	Yes	8	0.00000001	0.00042450
32	Yes	8	0.00000001	0.00043492
33	Yes	8	0.00000001	0.00026908
34	Yes	8	0.00000001	0.00041617
35	Yes	8	0.00000001	0.00041612
36	Yes	8	0.00000001	0.00026668
37	Yes	8	0.00000001	0.00043122
38	Yes	8	0.00000001	0.00042227
39	Yes	5	0.00000001	0.00034192
40	Yes	6	0.00000001	0.00019069
41	Yes	6	0.00000001	0.00019001
42	Yes	5	0.00000001	0.00033778
43	Yes	6	0.00000001	0.00017872
44	Yes	6	0.00000001	0.00019801
45	Yes	5	0.00000001	0.00034463
46	Yes	6	0.00000001	0.00018242
47	Yes	6	0.00000001	0.00018197
48	Yes	5	0.00000001	0.00033963
49	Yes	6	0.00000001	0.00019637
50	Yes	6	0.00000001	0.00017826

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 115	29.503	39	2.014	0.005
L2	115 - 110	27.395	39	2.011	0.005
L3	110 - 105	25.296	39	1.997	0.004
L4	105 - 100	23.218	39	1.970	0.004
L5	100 - 95	21.176	39	1.927	0.004
L6	95 - 90	19.189	39	1.866	0.003

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L7	90 - 83	17.274	39	1.789	0.003
L8	86.25 - 81.25	15.896	39	1.720	0.003
L9	81.25 - 76.25	14.121	39	1.661	0.002
L10	76.25 - 71.25	12.430	39	1.568	0.002
L11	71.25 - 66.25	10.841	39	1.466	0.002
L12	66.25 - 61.25	9.362	39	1.358	0.002
L13	61.25 - 61	8.000	39	1.244	0.001
L14	61 - 60.75	7.935	39	1.238	0.001
L15	60.75 - 58.75	7.870	39	1.232	0.001
L16	58.75 - 58.5	7.364	39	1.185	0.001
L17	58.5 - 57.5	7.302	39	1.179	0.001
L18	57.5 - 57.25	7.058	39	1.156	0.001
L19	57.25 - 52.25	6.997	39	1.150	0.001
L20	52.25 - 47.25	5.857	39	1.029	0.001
L21	47.25 - 41.25	4.844	39	0.905	0.001
L22	45 - 40.25	4.431	39	0.848	0.001
L23	40.25 - 35.25	3.607	39	0.805	0.001
L24	35.25 - 32.75	2.798	39	0.740	0.001
L25	32.75 - 32.5	2.419	39	0.708	0.001
L26	32.5 - 31.25	2.382	39	0.703	0.001
L27	31.25 - 31	2.202	39	0.676	0.001
L28	31 - 26	2.167	39	0.670	0.001
L29	26 - 21	1.522	39	0.561	0.000
L30	21 - 19.75	0.991	39	0.452	0.000
L31	19.75 - 19.5	0.876	39	0.425	0.000
L32	19.5 - 18.5	0.854	39	0.420	0.000
L33	18.5 - 18.25	0.768	39	0.398	0.000
L34	18.25 - 13.25	0.748	39	0.393	0.000
L35	13.25 - 8.25	0.393	39	0.284	0.000
L36	8.25 - 3.25	0.152	39	0.176	0.000
L37	3.25 - 0	0.024	39	0.069	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
118.000	(2) DMP65R-BU4D w/ Mount Pipe	39	28.659	2.014	0.005	32428
106.000	(2) LPA-185063/8CFX2 w/ Mount Pipe	39	23.631	1.977	0.004	9026
99.000	APXVAALL24_43-U-NA20 w/ Mount Pipe	39	20.774	1.916	0.004	5185
89.000	MX08FRO665-21 w/ Mount Pipe	39	16.902	1.770	0.003	3613

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 115	124.391	2	8.511	0.019
L2	115 - 110	115.513	2	8.500	0.018
L3	110 - 105	106.672	2	8.438	0.018

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L4	105 - 100	97.921	2	8.325	0.017
L5	100 - 95	89.322	2	8.142	0.015
L6	95 - 90	80.950	2	7.887	0.013
L7	90 - 83	72.882	2	7.559	0.012
L8	86.25 - 81.25	67.072	2	7.271	0.010
L9	81.25 - 76.25	59.587	2	7.019	0.010
L10	76.25 - 71.25	52.457	2	6.625	0.008
L11	71.25 - 66.25	45.755	2	6.196	0.007
L12	66.25 - 61.25	39.516	2	5.737	0.006
L13	61.25 - 61	33.767	2	5.256	0.006
L14	61 - 60.75	33.493	2	5.231	0.005
L15	60.75 - 58.75	33.220	2	5.206	0.005
L16	58.75 - 58.5	31.084	2	5.008	0.005
L17	58.5 - 57.5	30.823	2	4.983	0.005
L18	57.5 - 57.25	29.791	2	4.883	0.005
L19	57.25 - 52.25	29.536	2	4.858	0.005
L20	52.25 - 47.25	24.721	2	4.346	0.004
L21	47.25 - 41.25	20.447	2	3.822	0.003
L22	45 - 40.25	18.704	2	3.584	0.003
L23	40.25 - 35.25	15.225	2	3.398	0.003
L24	35.25 - 32.75	11.811	2	3.126	0.003
L25	32.75 - 32.5	10.210	2	2.990	0.002
L26	32.5 - 31.25	10.054	2	2.967	0.002
L27	31.25 - 31	9.293	2	2.853	0.002
L28	31 - 26	9.144	2	2.830	0.002
L29	26 - 21	6.422	2	2.370	0.002
L30	21 - 19.75	4.182	2	1.909	0.001
L31	19.75 - 19.5	3.698	2	1.795	0.001
L32	19.5 - 18.5	3.604	2	1.772	0.001
L33	18.5 - 18.25	3.243	2	1.681	0.001
L34	18.25 - 13.25	3.155	2	1.658	0.001
L35	13.25 - 8.25	1.659	2	1.200	0.001
L36	8.25 - 3.25	0.642	2	0.744	0.001
L37	3.25 - 0	0.099	2	0.292	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
118.000	(2) DMP65R-BU4D w/ Mount Pipe	2	120.838	8.511	0.019	8230
106.000	(2) LPA-185063/8CFX2 w/ Mount Pipe	2	99.661	8.353	0.018	2238
99.000	APXVAALL24_43-U-NA20 w/ Mount Pipe	2	87.627	8.096	0.015	1279
89.000	MX08FRO665-21 w/ Mount Pipe	2	71.314	7.479	0.011	883

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	120 - 115 (1)	TP19.75x19x0.188	5.000	0.000	0.0	11.642	-3.346	681.074	0.005
L2	115 - 110 (2)	TP20.501x19.75x0.188	5.000	0.000	0.0	12.089	-3.637	707.195	0.005
L3	110 - 105 (3)	TP21.251x20.501x0.188	5.000	0.000	0.0	12.535	-7.256	733.315	0.010
L4	105 - 100 (4)	TP22.001x21.251x0.188	5.000	0.000	0.0	12.982	-7.640	759.436	0.010
L5	100 - 95 (5)	TP22.751x22.001x0.188	5.000	0.000	0.0	13.428	-9.755	785.556	0.012
L6	95 - 90 (6)	TP23.502x22.751x0.188	5.000	0.000	0.0	13.875	-10.278	811.677	0.013
L7	90 - 83 (7)	TP24.552x23.502x0.188	7.000	0.000	0.0	14.210	-12.961	831.267	0.016
L8	83 - 81.25 (8)	TP24.44x23.689x0.25	5.000	0.000	0.0	19.194	-13.785	1122.870	0.012
L9	81.25 - 76.25 (9)	TP25.19x24.44x0.25	5.000	0.000	0.0	19.790	-14.487	1157.690	0.013
L10	76.25 - 71.25 (10)	TP25.94x25.19x0.25	5.000	0.000	0.0	20.385	-15.207	1192.520	0.013
L11	71.25 - 66.25 (11)	TP26.69x25.94x0.25	5.000	0.000	0.0	20.980	-15.952	1227.340	0.013
L12	66.25 - 61.25 (12)	TP27.44x26.69x0.25	5.000	0.000	0.0	21.576	-16.721	1262.160	0.013
L13	61.25 - 61 (13)	TP27.478x27.44x0.25	0.250	0.000	0.0	21.605	-16.771	1263.910	0.013
L14	61 - 60.75 (14)	TP27.515x27.478x0.25	0.250	0.000	0.0	21.635	-16.810	1265.650	0.013
L15	60.75 - 58.75 (15)	TP27.815x27.515x0.25	2.000	0.000	0.0	21.873	-17.115	1279.580	0.013
L16	58.75 - 58.5 (16)	TP27.853x27.815x0.25	0.250	0.000	0.0	21.903	-17.165	1281.320	0.013
L17	58.5 - 57.5 (17)	TP28.003x27.853x0.25	1.000	0.000	0.0	22.022	-17.313	1288.280	0.013
L18	57.5 - 57.25 (18)	TP28.04x28.003x0.25	0.250	0.000	0.0	22.052	-17.364	1290.020	0.013
L19	57.25 - 52.25 (19)	TP28.791x28.04x0.25	5.000	0.000	0.0	22.647	-18.163	1324.850	0.014
L20	52.25 - 47.25 (20)	TP29.541x28.791x0.25	5.000	0.000	0.0	23.242	-18.994	1359.670	0.014
L21	47.25 - 41.25 (21)	TP30.441x29.541x0.25	6.000	0.000	0.0	23.510	-19.373	1375.340	0.014
L22	41.25 - 40.25 (22)	TP30.091x29.378x0.55	4.750	0.000	0.0	51.570	-20.925	3016.830	0.007
L23	40.25 - 35.25 (23)	TP30.841x30.091x0.538	5.000	0.000	0.0	51.699	-22.209	3024.390	0.007
L24	35.25 - 32.75 (24)	TP31.216x30.841x0.538	2.500	0.000	0.0	52.339	-22.857	3061.820	0.007
L25	32.75 - 32.5 (25)	TP31.254x31.216x0.313	0.250	0.000	0.0	30.690	-22.914	1795.360	0.013
L26	32.5 - 31.25 (26)	TP31.441x31.254x0.313	1.250	0.000	0.0	30.876	-23.146	1806.240	0.013
L27	31.25 - 31 (27)	TP31.479x31.441x0.313	0.250	0.000	0.0	30.913	-23.210	1808.420	0.013
L28	31 - 26 (28)	TP32.229x31.479x0.313	5.000	0.000	0.0	31.657	-24.202	1851.950	0.013
L29	26 - 21 (29)	TP32.979x32.229x0.313	5.000	0.000	0.0	32.401	-25.224	1895.480	0.013
L30	21 - 19.75 (30)	TP33.167x32.979x0.313	1.250	0.000	0.0	32.587	-25.479	1906.360	0.013
L31	19.75 - 19.5 (31)	TP33.204x33.167x0.313	0.250	0.000	0.0	32.625	-25.546	1908.540	0.013
L32	19.5 - 18.5 (32)	TP33.354x33.204x0.313	1.000	0.000	0.0	32.773	-25.742	1917.240	0.013
L33	18.5 - 18.25 (33)	TP33.392x33.354x0.313	0.250	0.000	0.0	32.811	-25.805	1919.420	0.013
L34	18.25 - 13.25 (34)	TP34.142x33.392x0.313	5.000	0.000	0.0	33.555	-26.846	1962.950	0.014
L35	13.25 - 8.25 (35)	TP34.892x34.142x0.313	5.000	0.000	0.0	34.299	-27.916	2006.480	0.014
L36	8.25 - 3.25 (36)	TP35.642x34.892x0.313	5.000	0.000	0.0	35.043	-29.003	2050.010	0.014
L37	3.25 - 0 (37)	TP36.13x35.642x0.313	3.250	0.000	0.0	35.527	-29.718	2078.300	0.014

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	120 - 115 (1)	TP19.75x19x0.188	14.434	339.282	0.043	0.000	339.282	0.000
L2	115 - 110 (2)	TP20.501x19.75x0.188	39.148	362.174	0.108	0.000	362.174	0.000
L3	110 - 105 (3)	TP21.251x20.501x0.188	72.182	385.506	0.187	0.000	385.506	0.000
L4	105 - 100 (4)	TP22.001x21.251x0.188	119.770	409.246	0.293	0.000	409.246	0.000
L5	100 - 95 (5)	TP22.751x22.001x0.188	178.255	433.363	0.411	0.000	433.363	0.000
L6	95 - 90 (6)	TP23.502x22.751x0.188	240.646	457.827	0.526	0.000	457.827	0.000
L7	90 - 83 (7)	TP24.552x23.502x0.188	295.198	476.383	0.620	0.000	476.383	0.000
L8	83 - 81.25 (8)	TP24.44x23.689x0.25	372.462	704.591	0.529	0.000	704.591	0.000
L9	81.25 - 76.25 (9)	TP25.19x24.44x0.25	451.334	743.540	0.607	0.000	743.540	0.000
L10	76.25 - 71.25 (10)	TP25.94x25.19x0.25	531.673	783.163	0.679	0.000	783.163	0.000
L11	71.25 - 66.25 (11)	TP26.69x25.94x0.25	613.420	823.431	0.745	0.000	823.431	0.000
L12	66.25 - 61.25 (12)	TP27.44x26.69x0.25	696.513	864.308	0.806	0.000	864.308	0.000
L13	61.25 - 61 (13)	TP27.478x27.44x0.25	700.702	866.367	0.809	0.000	866.367	0.000
L14	61 - 60.75 (14)	TP27.515x27.478x0.25	704.894	868.433	0.812	0.000	868.433	0.000
L15	60.75 - 58.75 (15)	TP27.815x27.515x0.25	738.545	884.967	0.835	0.000	884.967	0.000
L16	58.75 - 58.5 (16)	TP27.853x27.815x0.25	742.766	887.042	0.837	0.000	887.042	0.000
L17	58.5 - 57.5 (17)	TP28.003x27.853x0.25	759.680	895.350	0.848	0.000	895.350	0.000
L18	57.5 - 57.25 (18)	TP28.04x28.003x0.25	763.916	897.433	0.851	0.000	897.433	0.000
L19	57.25 - 52.25 (19)	TP28.791x28.04x0.25	849.275	939.342	0.904	0.000	939.342	0.000
L20	52.25 - 47.25 (20)	TP29.541x28.791x0.25	935.783	981.767	0.953	0.000	981.767	0.000
L21	47.25 - 41.25 (21)	TP30.441x29.541x0.25	975.075	1001.025	0.974	0.000	1001.025	0.000
L22	41.25 - 40.25 (22)	TP30.091x29.378x0.55	1059.133	2302.825	0.460	0.000	2302.825	0.000
L23	40.25 - 35.25 (23)	TP30.841x30.091x0.538	1149.258	2370.250	0.485	0.000	2370.250	0.000
L24	35.25 - 32.75 (24)	TP31.216x30.841x0.538	1194.892	2429.808	0.492	0.000	2429.808	0.000
L25	32.75 - 32.5 (25)	TP31.254x31.216x0.313	1199.475	1433.175	0.837	0.000	1433.175	0.000
L26	32.5 - 31.25 (26)	TP31.441x31.254x0.313	1222.433	1448.483	0.844	0.000	1448.483	0.000
L27	31.25 - 31 (27)	TP31.479x31.441x0.313	1227.033	1451.550	0.845	0.000	1451.550	0.000
L28	31 - 26 (28)	TP32.229x31.479x0.313	1319.483	1513.350	0.872	0.000	1513.350	0.000
L29	26 - 21 (29)	TP32.979x32.229x0.313	1412.808	1575.967	0.896	0.000	1575.967	0.000
L30	21 - 19.75 (30)	TP33.167x32.979x0.313	1436.267	1591.742	0.902	0.000	1591.742	0.000
L31	19.75 - 19.5 (31)	TP33.204x33.167x0.313	1440.958	1594.900	0.903	0.000	1594.900	0.000
L32	19.5 - 18.5 (32)	TP33.354x33.204x0.313	1459.767	1607.567	0.908	0.000	1607.567	0.000
L33	18.5 - 18.25 (33)	TP33.392x33.354x0.313	1464.475	1610.733	0.909	0.000	1610.733	0.000
L34	18.25 - 13.25 (34)	TP34.142x33.392x0.313	1558.933	1674.550	0.931	0.000	1674.550	0.000
L35	13.25 - 8.25 (35)	TP34.892x34.142x0.313	1653.992	1739.092	0.951	0.000	1739.092	0.000
L36	8.25 - 3.25 (36)	TP35.642x34.892x0.313	1749.617	1804.333	0.970	0.000	1804.333	0.000
L37	3.25 - 0 (37)	TP36.13x35.642x0.313	1812.067	1847.108	0.981	0.000	1847.108	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	120 - 115 (1)	TP19.75x19x0.188	4.781	202.755	0.024	0.176	350.047	0.001
L2	115 - 110 (2)	TP20.501x19.75x0.188	5.107	210.591	0.024	0.176	377.412	0.000
L3	110 - 105 (3)	TP21.251x20.501x0.188	9.337	219.995	0.042	0.340	405.806	0.001
L4	105 - 100 (4)	TP22.001x21.251x0.188	9.702	226.263	0.043	0.684	435.231	0.002
L5	100 - 95 (5)	TP22.751x22.001x0.188	12.321	234.100	0.053	0.684	465.684	0.001
L6	95 - 90 (6)	TP23.502x22.751x0.188	12.643	241.936	0.052	0.683	497.168	0.001
L7	90 - 83 (7)	TP24.552x23.502x0.188	15.271	247.421	0.062	0.683	521.457	0.001
L8	83 - 81.25 (8)	TP24.44x23.689x0.25	15.637	333.205	0.047	0.682	713.606	0.001
L9	81.25 - 76.25 (9)	TP25.19x24.44x0.25	15.931	345.219	0.046	0.681	758.554	0.001
L10	76.25 - 71.25 (10)	TP25.94x25.19x0.25	16.220	355.666	0.046	0.681	804.875	0.001
L11	71.25 - 66.25 (11)	TP26.69x25.94x0.25	16.497	366.113	0.045	0.680	852.567	0.001
L12	66.25 - 61.25 (12)	TP27.44x26.69x0.25	16.761	376.560	0.045	0.679	901.633	0.001
L13	61.25 - 61 (13)	TP27.478x27.44x0.25	16.764	378.649	0.044	0.679	904.125	0.001
L14	61 - 60.75 (14)	TP27.515x27.478x0.25	16.777	379.172	0.044	0.679	906.617	0.001
L15	60.75 - 58.75 (15)	TP27.815x27.515x0.25	16.888	381.784	0.044	0.678	926.683	0.001
L16	58.75 - 58.5 (16)	TP27.853x27.815x0.25	16.891	383.873	0.044	0.678	929.208	0.001
L17	58.5 - 57.5 (17)	TP28.003x27.853x0.25	16.951	384.395	0.044	0.678	939.333	0.001
L18	57.5 - 57.25 (18)	TP28.04x28.003x0.25	16.953	386.485	0.044	0.678	941.875	0.001
L19	57.25 - 52.25 (19)	TP28.791x28.04x0.25	17.204	395.365	0.044	0.677	993.417	0.001
L20	52.25 - 47.25 (20)	TP29.541x28.791x0.25	17.430	405.812	0.043	0.676	1046.325	0.001
L21	47.25 - 41.25 (21)	TP30.441x29.541x0.25	17.527	410.252	0.043	0.676	1070.583	0.001
L22	41.25 - 40.25 (22)	TP30.091x29.378x0.55	17.879	900.453	0.020	0.675	2341.417	0.000
L23	40.25 - 35.25 (23)	TP30.841x30.091x0.538	18.187	902.823	0.020	0.675	2407.875	0.000
L24	35.25 - 32.75 (24)	TP31.216x30.841x0.538	18.339	912.931	0.020	0.675	2467.850	0.000
L25	32.75 - 32.5 (25)	TP31.254x31.216x0.313	18.341	537.955	0.034	0.675	1459.458	0.000
L26	32.5 - 31.25 (26)	TP31.441x31.254x0.313	18.408	538.608	0.034	0.675	1477.208	0.000
L27	31.25 - 31 (27)	TP31.479x31.441x0.313	18.400	541.873	0.034	0.675	1480.767	0.000
L28	31 - 26 (28)	TP32.229x31.479x0.313	18.598	552.973	0.034	0.674	1552.908	0.000
L29	26 - 21 (29)	TP32.979x32.229x0.313	18.763	566.031	0.033	0.674	1626.767	0.000
L30	21 - 19.75 (30)	TP33.167x32.979x0.313	18.806	568.643	0.033	0.674	1645.500	0.000
L31	19.75 - 19.5 (31)	TP33.204x33.167x0.313	18.794	571.908	0.033	0.673	1649.258	0.000
L32	19.5 - 18.5 (32)	TP33.354x33.204x0.313	18.838	572.561	0.033	0.673	1664.342	0.000
L33	18.5 - 18.25 (33)	TP33.392x33.354x0.313	18.830	575.173	0.033	0.673	1668.125	0.000
L34	18.25 - 13.25 (34)	TP34.142x33.392x0.313	18.972	586.272	0.032	0.673	1744.642	0.000
L35	13.25 - 8.25 (35)	TP34.892x34.142x0.313	19.089	599.331	0.032	0.673	1822.875	0.000
L36	8.25 - 3.25 (36)	TP35.642x34.892x0.313	19.198	612.390	0.031	0.673	1902.825	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 $\frac{T_u}{\phi T_n}$
L37	3.25 - 0 (37)	TP36.13x35.642x0.313	19.268	620.660	0.031	0.673	1955.708	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	120 - 115 (1)	0.005	0.043	0.000	0.024	0.001	0.048 ✔	1.050	4.8.2 ✔
L2	115 - 110 (2)	0.005	0.108	0.000	0.024	0.000	0.114 ✔	1.050	4.8.2 ✔
L3	110 - 105 (3)	0.010	0.187	0.000	0.042	0.001	0.199 ✔	1.050	4.8.2 ✔
L4	105 - 100 (4)	0.010	0.293	0.000	0.043	0.002	0.305 ✔	1.050	4.8.2 ✔
L5	100 - 95 (5)	0.012	0.411	0.000	0.053	0.001	0.427 ✔	1.050	4.8.2 ✔
L6	95 - 90 (6)	0.013	0.526	0.000	0.052	0.001	0.541 ✔	1.050	4.8.2 ✔
L7	90 - 83 (7)	0.016	0.620	0.000	0.062	0.001	0.639 ✔	1.050	4.8.2 ✔
L8	83 - 81.25 (8)	0.012	0.529	0.000	0.047	0.001	0.543 ✔	1.050	4.8.2 ✔
L9	81.25 - 76.25 (9)	0.013	0.607	0.000	0.046	0.001	0.622 ✔	1.050	4.8.2 ✔
L10	76.25 - 71.25 (10)	0.013	0.679	0.000	0.046	0.001	0.694 ✔	1.050	4.8.2 ✔
L11	71.25 - 66.25 (11)	0.013	0.745	0.000	0.045	0.001	0.760 ✔	1.050	4.8.2 ✔
L12	66.25 - 61.25 (12)	0.013	0.806	0.000	0.045	0.001	0.821 ✔	1.050	4.8.2 ✔
L13	61.25 - 61 (13)	0.013	0.809	0.000	0.044	0.001	0.824 ✔	1.050	4.8.2 ✔
L14	61 - 60.75 (14)	0.013	0.812	0.000	0.044	0.001	0.827 ✔	1.050	4.8.2 ✔
L15	60.75 - 58.75 (15)	0.013	0.835	0.000	0.044	0.001	0.850 ✔	1.050	4.8.2 ✔
L16	58.75 - 58.5 (16)	0.013	0.837	0.000	0.044	0.001	0.853 ✔	1.050	4.8.2 ✔
L17	58.5 - 57.5 (17)	0.013	0.848	0.000	0.044	0.001	0.864 ✔	1.050	4.8.2 ✔
L18	57.5 - 57.25 (18)	0.013	0.851	0.000	0.044	0.001	0.867 ✔	1.050	4.8.2 ✔
L19	57.25 - 52.25 (19)	0.014	0.904	0.000	0.044	0.001	0.920 ✔	1.050	4.8.2 ✔
L20	52.25 - 47.25 (20)	0.014	0.953	0.000	0.043	0.001	0.969 ✔	1.050	4.8.2 ✔
L21	47.25 - 41.25 (21)	0.014	0.974	0.000	0.043	0.001	0.990	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L22	41.25 - 40.25 (22)	0.007	0.460	0.000	0.020	0.000	0.467 ✔	1.050	4.8.2 ✔
L23	40.25 - 35.25 (23)	0.007	0.485	0.000	0.020	0.000	0.493 ✔	1.050	4.8.2 ✔
L24	35.25 - 32.75 (24)	0.007	0.492	0.000	0.020	0.000	0.500 ✔	1.050	4.8.2 ✔
L25	32.75 - 32.5 (25)	0.013	0.837	0.000	0.034	0.000	0.851 ✔	1.050	4.8.2 ✔
L26	32.5 - 31.25 (26)	0.013	0.844	0.000	0.034	0.000	0.858 ✔	1.050	4.8.2 ✔
L27	31.25 - 31 (27)	0.013	0.845	0.000	0.034	0.000	0.859 ✔	1.050	4.8.2 ✔
L28	31 - 26 (28)	0.013	0.872	0.000	0.034	0.000	0.886 ✔	1.050	4.8.2 ✔
L29	26 - 21 (29)	0.013	0.896	0.000	0.033	0.000	0.911 ✔	1.050	4.8.2 ✔
L30	21 - 19.75 (30)	0.013	0.902	0.000	0.033	0.000	0.917 ✔	1.050	4.8.2 ✔
L31	19.75 - 19.5 (31)	0.013	0.903	0.000	0.033	0.000	0.918 ✔	1.050	4.8.2 ✔
L32	19.5 - 18.5 (32)	0.013	0.908	0.000	0.033	0.000	0.923 ✔	1.050	4.8.2 ✔
L33	18.5 - 18.25 (33)	0.013	0.909	0.000	0.033	0.000	0.924 ✔	1.050	4.8.2 ✔
L34	18.25 - 13.25 (34)	0.014	0.931	0.000	0.032	0.000	0.946 ✔	1.050	4.8.2 ✔
L35	13.25 - 8.25 (35)	0.014	0.951	0.000	0.032	0.000	0.966 ✔	1.050	4.8.2 ✔
L36	8.25 - 3.25 (36)	0.014	0.970	0.000	0.031	0.000	0.985 ✔	1.050	4.8.2 ✔
L37	3.25 - 0 (37)	0.014	0.981	0.000	0.031	0.000	0.996 ✔	1.050	4.8.2 ✔

Section Capacity Table

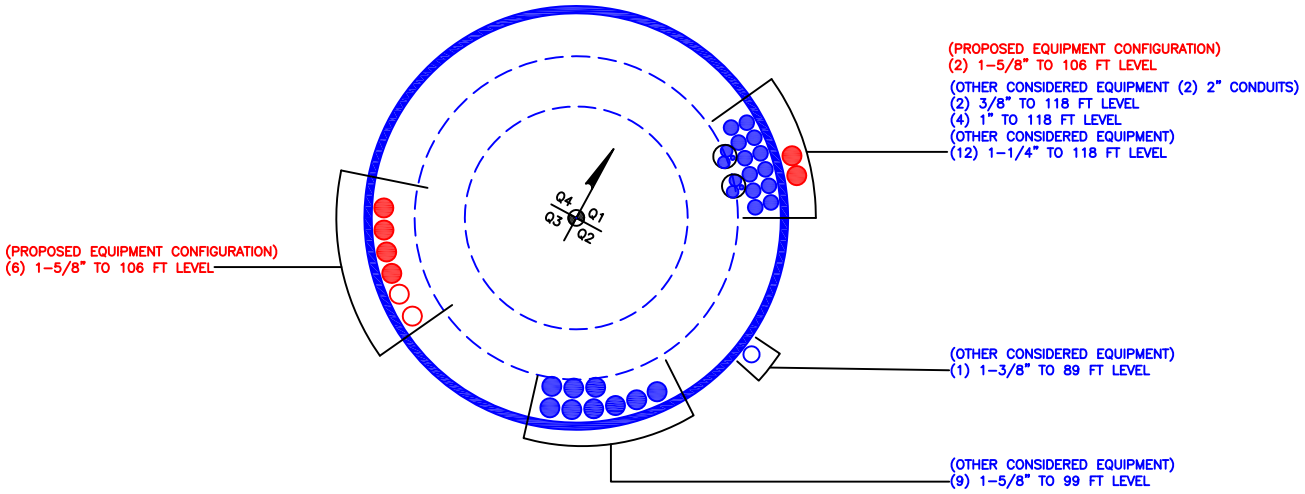
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	120 - 115	Pole	TP19.75x19x0.188	1	-3.346	--	**	**
L2	115 - 110	Pole	TP20.501x19.75x0.188	2	-3.637	--	**	**
L3	110 - 105	Pole	TP21.251x20.501x0.188	3	-7.256	--	**	**
L4	105 - 100	Pole	TP22.001x21.251x0.188	4	-7.640	--	**	**
L5	100 - 95	Pole	TP22.751x22.001x0.188	5	-9.755	--	**	**
L6	95 - 90	Pole	TP23.502x22.751x0.188	6	-10.278	--	**	**
L7	90 - 83	Pole	TP24.552x23.502x0.188	7	-12.961	--	**	**
L8	83 - 81.25	Pole	TP24.44x23.689x0.25	8	-13.785	--	**	**
L9	81.25 - 76.25	Pole	TP25.19x24.44x0.25	9	-14.487	--	**	**
L10	76.25 - 71.25	Pole	TP25.94x25.19x0.25	10	-15.207	--	**	**

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L11	71.25 - 66.25	Pole	TP26.69x25.94x0.25	11	-15.952	--	**	**
L12	66.25 - 61.25	Pole	TP27.44x26.69x0.25	12	-16.721	--	**	**
L13	61.25 - 61	Pole	TP27.478x27.44x0.25	13	-16.771	--	**	**
L14	61 - 60.75	Pole	TP27.515x27.478x0.25	14	-16.810	--	**	**
L15	60.75 - 58.75	Pole	TP27.815x27.515x0.25	15	-17.115	--	**	**
L16	58.75 - 58.5	Pole	TP27.853x27.815x0.25	16	-17.165	--	**	**
L17	58.5 - 57.5	Pole	TP28.003x27.853x0.25	17	-17.313	--	**	**
L18	57.5 - 57.25	Pole	TP28.04x28.003x0.25	18	-17.364	--	**	**
L19	57.25 - 52.25	Pole	TP28.791x28.04x0.25	19	-18.163	--	**	**
L20	52.25 - 47.25	Pole	TP29.541x28.791x0.25	20	-18.994	--	**	**
L21	47.25 - 41.25	Pole	TP30.441x29.541x0.25	21	-19.373	--	**	**
L22	41.25 - 40.25	Pole	TP30.091x29.378x0.55	22	-20.925	--	**	**
L23	40.25 - 35.25	Pole	TP30.841x30.091x0.538	23	-22.209	--	**	**
L24	35.25 - 32.75	Pole	TP31.216x30.841x0.538	24	-22.857	--	**	**
L25	32.75 - 32.5	Pole	TP31.254x31.216x0.313	25	-22.914	--	**	**
L26	32.5 - 31.25	Pole	TP31.441x31.254x0.313	26	-23.146	--	**	**
L27	31.25 - 31	Pole	TP31.479x31.441x0.313	27	-23.210	--	**	**
L28	31 - 26	Pole	TP32.229x31.479x0.313	28	-24.202	--	**	**
L29	26 - 21	Pole	TP32.979x32.229x0.313	29	-25.224	--	**	**
L30	21 - 19.75	Pole	TP33.167x32.979x0.313	30	-25.479	--	**	**
L31	19.75 - 19.5	Pole	TP33.204x33.167x0.313	31	-25.546	--	**	**
L32	19.5 - 18.5	Pole	TP33.354x33.204x0.313	32	-25.742	--	**	**
L33	18.5 - 18.25	Pole	TP33.392x33.354x0.313	33	-25.805	--	**	**
L34	18.25 - 13.25	Pole	TP34.142x33.392x0.313	34	-26.846	--	**	**
L35	13.25 - 8.25	Pole	TP34.892x34.142x0.313	35	-27.916	--	**	**
L36	8.25 - 3.25	Pole	TP35.642x34.892x0.313	36	-29.003	--	**	**
L37	3.25 - 0	Pole	TP36.13x35.642x0.313	37	-29.718	--	**	**
							Summary	
						Pole (L37)	**	**
						RATING =	**	**

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

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 842858

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 842858

Work Order: 2090205

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	120	37	3.25	18	19	24.552	0.1875	Auto	A607-65
2	86.25	45	3.75	18	23.69	30.441	0.25	Auto	A607-65
3	45	45	0	18	29.38	36.13	0.3125	Auto	A607-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	18.5	plate	x1" Plate (Base Welde	4				E1					E1			E1						E1
2	19.75	31.25	plate	5"X1" Plate	3	E1						E1						E1					
3	41.25	57.5	plate	4.5"x1" Plate	3						E1						E1						E1
4	32.75	41.25	plate	5"x1.25" Plate	3						E2						E2						E2
5	58.75	61	plate	4"x1.25" Plate	3				E2						E2						E2		
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	5	1	5	0.5	Welded	n/a	PC 8.8 - M20 (100)	24.000	18.000	3.750	1.1875	A572-65
2	5	1	5	0.5	PC 8.8 - M20 (100)	21	PC 8.8 - M20 (100)	21.000	18.000	3.750	1.1875	A572-65
3	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	18.000	3.250	1.1875	A572-65
4	5	1.25	6.25	0.625	PC 8.8 - M20 (100)	27	PC 8.8 - M20 (100)	27.000	15.000	4.688	1.1875	A572-65
5	4	1.25	5	0.625	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	13.500	3.438	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)
5"x1" Plate (Base Welded)	Top	8	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	-	-	-	-	70	None	-	-	-	-	18	0.313	-
5"X1" Plate	Top	7	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	7	N	3	3	-	-	-	-	-	-	-	-	-
4.5"x1" Plate	Top	6	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	6	N	3	3	-	-	-	-	-	-	-	-	-
5"x1.25" Plate	Top	9	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	9	N	3	3	-	-	-	-	-	-	-	-	-
4"x1.25" Plate	Top	6	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	6	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	120 - 115	5		18	19.000	19.750	0.1875	A607-65	1.000
2	115 - 110	5		18	19.750	20.501	0.1875	A607-65	1.000
3	110 - 105	5		18	20.501	21.251	0.1875	A607-65	1.000
4	105 - 100	5		18	21.251	22.001	0.1875	A607-65	1.000
5	100 - 95	5		18	22.001	22.751	0.1875	A607-65	1.000
6	95 - 90	5		18	22.751	23.502	0.1875	A607-65	1.000
7	90 - 86.25	7	3.25	18	23.502	24.552	0.1875	A607-65	1.000
8	86.25 - 81.25	5		18	23.689	24.440	0.25	A607-65	1.000
9	81.25 - 76.25	5		18	24.440	25.190	0.25	A607-65	1.000
10	76.25 - 71.25	5		18	25.190	25.940	0.25	A607-65	1.000
11	71.25 - 66.25	5		18	25.940	26.690	0.25	A607-65	1.000
12	66.25 - 61.25	5		18	26.690	27.440	0.25	A607-65	1.000
13	61.25 - 61	0.25		18	27.440	27.478	0.25	A607-65	1.000
14	61 - 60.75	0.25		18	27.478	27.515	0.25	A607-65	1.000
15	60.75 - 58.75	2		18	27.515	27.815	0.25	A607-65	1.000
16	58.75 - 58.5	0.25		18	27.815	27.853	0.25	A607-65	1.000
17	58.5 - 57.5	1		18	27.853	28.003	0.25	A607-65	1.000
18	57.5 - 57.25	0.25		18	28.003	28.040	0.25	A607-65	1.000
19	57.25 - 52.25	5		18	28.040	28.791	0.25	A607-65	1.000
20	52.25 - 47.25	5		18	28.791	29.541	0.25	A607-65	1.000
21	47.25 - 45	6	3.75	18	29.541	30.441	0.25	A607-65	1.000
22	45 - 40.25	4.75		18	29.378	30.091	0.55	A607-65	0.936
23	40.25 - 35.25	5		18	30.091	30.841	0.5375	A607-65	0.948
24	35.25 - 32.75	2.5		18	30.841	31.216	0.5375	A607-65	0.944
25	32.75 - 32.5	0.25		18	31.216	31.254	0.3125	A607-65	1.000
26	32.5 - 31.25	1.25		18	31.254	31.441	0.3125	A607-65	1.000
27	31.25 - 31	0.25		18	31.441	31.479	0.3125	A607-65	1.000
28	31 - 26	5		18	31.479	32.229	0.3125	A607-65	1.000
29	26 - 21	5		18	32.229	32.979	0.3125	A607-65	1.000
30	21 - 19.75	1.25		18	32.979	33.167	0.3125	A607-65	1.000
31	19.75 - 19.5	0.25		18	33.167	33.204	0.3125	A607-65	1.000
32	19.5 - 18.5	1		18	33.204	33.354	0.3125	A607-65	1.000
33	18.5 - 18.25	0.25		18	33.354	33.392	0.3125	A607-65	1.000
34	18.25 - 13.25	5		18	33.392	34.142	0.3125	A607-65	1.000
35	13.25 - 8.25	5		18	34.142	34.892	0.3125	A607-65	1.000
36	8.25 - 3.25	5		18	34.892	35.642	0.3125	A607-65	1.000
37	3.25 - 0	3.25		18	35.642	36.130	0.3125	A607-65	1.000

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	120 - 115	3.35	14.43	4.78
2	115 - 110	3.64	39.15	5.11
3	110 - 105	7.26	72.18	9.34
4	105 - 100	7.64	119.77	9.70
5	100 - 95	9.75	178.26	12.32
6	95 - 90	10.28	240.65	12.64
7	90 - 86.25	12.96	295.20	15.27
8	86.25 - 81.25	13.79	372.46	15.64
9	81.25 - 76.25	14.49	451.33	15.93
10	76.25 - 71.25	15.21	531.67	16.22
11	71.25 - 66.25	15.95	613.42	16.50
12	66.25 - 61.25	16.72	696.51	16.76
13	61.25 - 61	16.77	700.70	16.76
14	61 - 60.75	16.81	704.89	16.78
15	60.75 - 58.75	17.11	738.55	16.89
16	58.75 - 58.5	17.17	742.77	16.89
17	58.5 - 57.5	17.31	759.68	16.95
18	57.5 - 57.25	17.36	763.92	16.95
19	57.25 - 52.25	18.16	849.27	17.20
20	52.25 - 47.25	18.99	935.79	17.43
21	47.25 - 45	19.37	975.08	17.53
22	45 - 40.25	20.93	1059.13	17.88
23	40.25 - 35.25	22.21	1149.26	18.19
24	35.25 - 32.75	22.86	1194.90	18.34
25	32.75 - 32.5	22.91	1199.48	18.34
26	32.5 - 31.25	23.15	1222.43	18.41
27	31.25 - 31	23.21	1227.03	18.40
28	31 - 26	24.20	1319.48	18.60
29	26 - 21	25.22	1412.81	18.76
30	21 - 19.75	25.48	1436.26	18.81
31	19.75 - 19.5	25.55	1440.96	18.79
32	19.5 - 18.5	25.74	1459.77	18.84
33	18.5 - 18.25	25.81	1464.47	18.83
34	18.25 - 13.25	26.85	1558.93	18.97
35	13.25 - 8.25	27.92	1653.99	19.09
36	8.25 - 3.25	29.00	1749.62	19.20
37	3.25 - 0	29.72	1812.06	19.27

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
120 - 115	Pole	TP19.75x19x0.1875	Pole	4.6%	Pass
115 - 110	Pole	TP20.501x19.75x0.1875	Pole	10.8%	Pass
110 - 105	Pole	TP21.251x20.501x0.1875	Pole	18.9%	Pass
105 - 100	Pole	TP22.001x21.251x0.1875	Pole	29.0%	Pass
100 - 95	Pole	TP22.751x22.001x0.1875	Pole	40.6%	Pass
95 - 90	Pole	TP23.502x22.751x0.1875	Pole	51.5%	Pass
90 - 86.25	Pole	TP24.552x23.502x0.1875	Pole	60.9%	Pass
86.25 - 81.25	Pole	TP24.44x23.689x0.25	Pole	51.7%	Pass
81.25 - 76.25	Pole	TP25.19x24.44x0.25	Pole	59.2%	Pass
76.25 - 71.25	Pole	TP25.94x25.19x0.25	Pole	66.1%	Pass
71.25 - 66.25	Pole	TP26.69x25.94x0.25	Pole	72.4%	Pass
66.25 - 61.25	Pole	TP27.44x26.69x0.25	Pole	78.2%	Pass
61.25 - 61	Pole	TP27.478x27.44x0.25	Pole	78.5%	Pass
61 - 60.75	Pole	TP27.515x27.478x0.25	Pole	78.8%	Pass
60.75 - 58.75	Pole	TP27.815x27.515x0.25	Pole	80.9%	Pass
58.75 - 58.5	Pole	TP27.853x27.815x0.25	Pole	81.2%	Pass
58.5 - 57.5	Pole	TP28.003x27.853x0.25	Pole	82.3%	Pass
57.5 - 57.25	Pole	TP28.04x28.003x0.25	Pole	82.5%	Pass
57.25 - 52.25	Pole	TP28.791x28.04x0.25	Pole	87.6%	Pass
52.25 - 47.25	Pole	TP29.541x28.791x0.25	Pole	92.3%	Pass
47.25 - 45	Pole	TP30.441x29.541x0.25	Pole	94.3%	Pass
45 - 40.25	Pole + Reinf.	TP30.091x29.378x0.55	Reinf. 4 Tension Rupture	75.6%	Pass
40.25 - 35.25	Pole + Reinf.	TP30.841x30.091x0.5375	Reinf. 4 Tension Rupture	78.9%	Pass
35.25 - 32.75	Pole + Reinf.	TP31.216x30.841x0.5375	Reinf. 4 Tension Rupture	80.4%	Pass
32.75 - 32.5	Pole	TP31.254x31.216x0.3125	Pole	81.0%	Pass
32.5 - 31.25	Pole	TP31.441x31.254x0.3125	Pole	81.7%	Pass
31.25 - 31	Pole	TP31.479x31.441x0.3125	Pole	81.8%	Pass
31 - 26	Pole	TP32.229x31.479x0.3125	Pole	84.4%	Pass
26 - 21	Pole	TP32.979x32.229x0.3125	Pole	86.7%	Pass
21 - 19.75	Pole	TP33.167x32.979x0.3125	Pole	87.3%	Pass
19.75 - 19.5	Pole	TP33.204x33.167x0.3125	Pole	87.4%	Pass
19.5 - 18.5	Pole	TP33.354x33.204x0.3125	Pole	87.9%	Pass
18.5 - 18.25	Pole	TP33.392x33.354x0.3125	Pole	88.0%	Pass
18.25 - 13.25	Pole	TP34.142x33.392x0.3125	Pole	90.1%	Pass
13.25 - 8.25	Pole	TP34.892x34.142x0.3125	Pole	92.0%	Pass
8.25 - 3.25	Pole	TP35.642x34.892x0.3125	Pole	93.8%	Pass
3.25 - 0	Pole	TP36.13x35.642x0.3125	Pole	94.9%	Pass
				Summary	
			Pole	94.9%	Pass
			Reinforcement	80.4%	Pass
			Overall	94.9%	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
120 - 115	563	n/a	563	11.64	n/a	11.64	4.6%					
115 - 110	630	n/a	630	12.09	n/a	12.09	10.8%					
110 - 105	702	n/a	702	12.53	n/a	12.53	18.9%					
105 - 100	780	n/a	780	12.98	n/a	12.98	29.0%					
100 - 95	863	n/a	863	13.43	n/a	13.43	40.6%					
95 - 90	952	n/a	952	13.87	n/a	13.87	51.5%					
90 - 86.25	1023	n/a	1023	14.21	n/a	14.21	60.9%					
86.25 - 81.25	1418	n/a	1418	19.19	n/a	19.19	51.7%					
81.25 - 76.25	1555	n/a	1555	19.79	n/a	19.79	59.2%					
76.25 - 71.25	1699	n/a	1699	20.38	n/a	20.38	66.1%					
71.25 - 66.25	1852	n/a	1852	20.98	n/a	20.98	72.4%					
66.25 - 61.25	2015	n/a	2015	21.57	n/a	21.57	78.2%					
61.25 - 61	2023	n/a	2023	21.60	n/a	21.60	78.5%					
61 - 60.75	2031	n/a	2031	21.63	n/a	21.63	78.8%					
60.75 - 58.75	2099	n/a	2099	21.87	n/a	21.87	80.9%					
58.75 - 58.5	2108	n/a	2108	21.90	n/a	21.90	81.2%					
58.5 - 57.5	2142	n/a	2142	22.02	n/a	22.02	82.3%					
57.5 - 57.25	2151	n/a	2151	22.05	n/a	22.05	82.5%					
57.25 - 52.25	2330	n/a	2330	22.65	n/a	22.65	87.6%					
52.25 - 47.25	2518	n/a	2518	23.24	n/a	23.24	92.3%					
47.25 - 45	2606	n/a	2606	23.51	n/a	23.51	94.3%					
45 - 40.25	3308	2323	5631	29.54	18.75	48.29	44.3%				75.6%	
40.25 - 35.25	3564	2434	5999	30.28	18.75	49.03	46.6%				78.9%	
35.25 - 32.75	3697	2491	6188	30.65	18.75	49.40	47.6%				80.4%	
32.75 - 32.5	3711	n/a	3711	30.69	n/a	30.69	81.0%					
32.5 - 31.25	3779	n/a	3779	30.87	n/a	30.87	81.7%					
31.25 - 31	3792	n/a	3792	30.91	n/a	30.91	81.8%					
31 - 26	4073	n/a	4073	31.66	n/a	31.66	84.4%					
26 - 21	4367	n/a	4367	32.40	n/a	32.40	86.7%					
21 - 19.75	4442	n/a	4442	32.59	n/a	32.59	87.3%					
19.75 - 19.5	4458	n/a	4458	32.62	n/a	32.62	87.4%					
19.5 - 18.5	4519	n/a	4519	32.77	n/a	32.77	87.9%					
18.5 - 18.25	4534	n/a	4534	32.81	n/a	32.81	88.0%					
18.25 - 13.25	4850	n/a	4850	33.55	n/a	33.55	90.1%					
13.25 - 8.25	5180	n/a	5180	34.30	n/a	34.30	92.0%					
8.25 - 3.25	5524	n/a	5524	35.04	n/a	35.04	93.8%					
3.25 - 0	5756	n/a	5756	35.53	n/a	35.53	94.9%					

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

PROJECT	**137088.009.01 - BOLTON, CT**
SUBJECT	**Anchor Rod Bracket Analysis**
DATE	**03-11-22**
v4.6.1	

TIA-222 Rev.	H
Apply TIA-222-H Section 15.5?	Yes

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

Analysis Criteria		
Design/Analysis	Analysis	
Load Type	Current Load	
Current load	137.32	kips
AR Capacity	227.3	kips

Tower Type	Monopole

Manufacturers Tower Prop.		
Pole Thickness	0.3125	in
Pole Grade	A572-65	
Fy	65	ksi
Fu	80	ksi
Base Plate Gr.	Custom	
Fy	55	ksi
Fu	70	ksi

Post-Installed Adhesive AR Mod.		
ARB Type	Welded	
Size	1.75	in
Grade	F1554-105	
Fy	105	ksi
Fu	125	ksi

Anchor Rod Bracket Analysis Checks		
Tube Bearing	42.2%	-
Tube Compression	63.3%	-
Gusset Shear	24.2%	-
Gusset Flexure	N/A	-
Welds: Gusset to Tower and BP	59.3%	-
Welds: Gusset to Tube	49.4%	-
Welds: Geometry	N/A	
Tower Punching	40.9%	-
Tube Punching	31.5%	-
Utilization	**63.3%**	

Bracket Properties

Gusset		
Thickness	1.25	in
Width at Tube	5	in
Height at Pole	24	in
Height at Tube	12	in
Grade	A572-65	
Fy	65	ksi
Fu	80	ksi

Pipe/Tube		
Size	3 XXS Pipe	
Total Length	12	in
Length above Gusset	0	in
Length below Gusset	0	in
Grade	Custom	
Fy	42	ksi
Fu	58	ksi

Weld - Gusset to Pipe/Tube		
FEXX	70	ksi
Weld Type	PJP - Double Bevel	
Fillet Size	3/8	in
Bevel Depth	3/8	in

Weld - Gusset to Tower		
FEXX	70	ksi
Weld Type	Double Fillet	
Fillet Size	5/16	in

Weld - Gusset to Base Plate		
FEXX	70	ksi
Weld Type	CJP - Double Bevel	
Fillet Size	7/16	in
Bevel Depth	9/16	in
Gap	1	in
Notch (horiz)	1/2	in
Notch (vert)	1/2	in
Pipe/Tube Welded to Base/Footpad?	No	

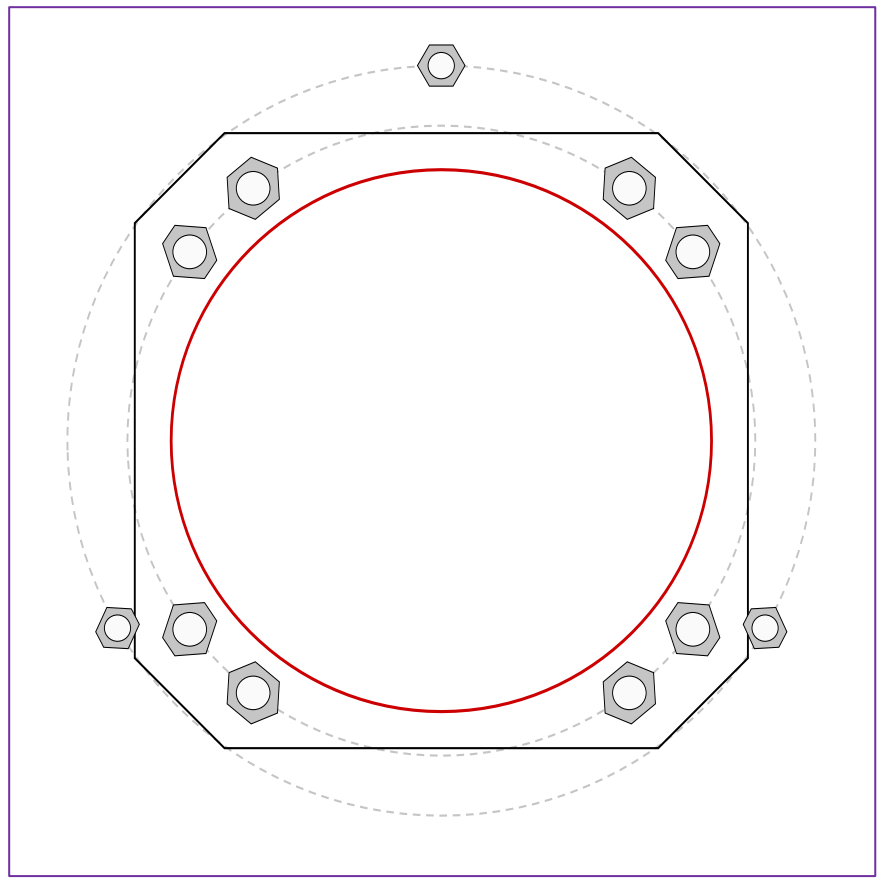
Monopole Base Plate Connection

Site Info	
BU #	842858
Site Name	BOLTON, CT
Order #	609316 Rev# 0

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

Applied Loads	
Moment (kip-ft)	1812.06
Axial Force (kips)	29.72
Shear Force (kips)	19.27

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (8) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 42" BC

Anchor Spacing: 6 in

GROUP 2: (3) 1-3/4" ø bolts (F1554-105 N; Fy=105 ksi, Fu=125 ksi) on 50" BC

Base Plate Data

41" W x 2.5" Plate (A572-55; Fy=55 ksi, Fu=70 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

36.13" x 0.3125" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:

Pu_t = 193.49	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.41	ϕVn = 149.1	**75.6%**
Mu = n/a	ϕMn = n/a	**Pass**

GROUP 2:

Pu_t = 137.32	ϕPn_t = 178.13	**Stress Rating**
Vu = 0	ϕVn = 112.75	**73.4%**
Mu = 0	ϕMn = 84.41	**Pass**

Base Plate Summary

Max Stress (ksi):	31.7	(Flexural)
Allowable Stress (ksi):	49.5	
Stress Rating:	**61.0%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

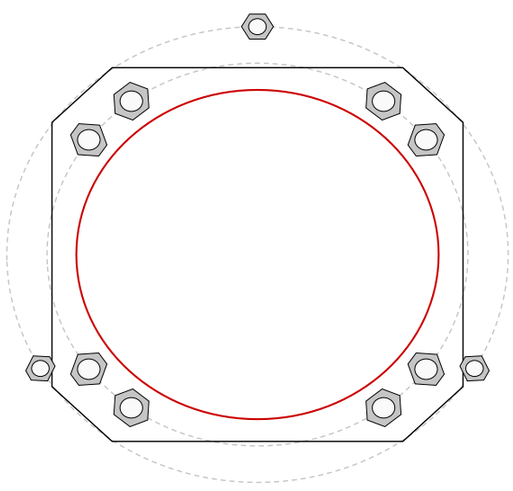
note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	No	No	
2	No	No	No	No	No	

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	36.786789	2.25	A615-75	42	0.5	0.875	N-Included		No
2	1	53.213211	2.25	A615-75	42	0.5	0.875	N-Included		No
3	1	126.78679	2.25	A615-75	42	0.5	0.875	N-Included		No
4	1	143.21321	2.25	A615-75	42	0.5	0.875	N-Included		No
5	1	216.78679	2.25	A615-75	42	0.5	0.875	N-Included		No
6	1	233.21321	2.25	A615-75	42	0.5	0.875	N-Included		No
7	1	306.78679	2.25	A615-75	42	0.5	0.875	N-Included		No
8	1	323.21321	2.25	A615-75	42	0.5	0.875	N-Included		No
9	2	90	1.75	F1554-105	50	0.5	3.375	N-Included		No
10	2	210	1.75	F1554-105	50	0.5	3.375	N-Included		No
11	2	330	1.75	F1554-105	50	0.5	3.375	N-Included		No

Plot Graphic



Drilled Pier Foundation

BU # :	842858
Site Name:	BOLTON, CT
Order Number:	609316 Rev. 0
TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	1812.06	
Axial Force (kips)	29.73	
Shear Force (kips)	19.24	

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

Pier Design Data		
Depth	19.5	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 19.5' below grade		
Pier Diameter	6	ft
Rebar Quantity	16	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	18	in

Rebar & Pier Options
Embedded Pole Inputs
Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	5.22	-
Soil Safety Factor	2.41	-
Max Moment (kip-ft)	1926.98	-
Rating*	*52.5%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	98.82	-
End Bearing (kips)	1121.55	-
Weight of Concrete (kips)	72.15	-
Total Capacity (kips)	1220.38	-
Axial (kips)	101.88	-
Rating*	*8.0%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	4.97	-
Critical Moment (kip-ft)	1926.52	-
Critical Moment Capacity	3337.03	-
Rating*	*55.0%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	14.58	-
Critical Shear (kip)	290.49	-
Critical Shear Capacity	431.12	-
Rating*	*64.2%*	-

Structural Foundation Rating*	**64.2%**
Soil Interaction Rating*	**52.5%**

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Soil Profile

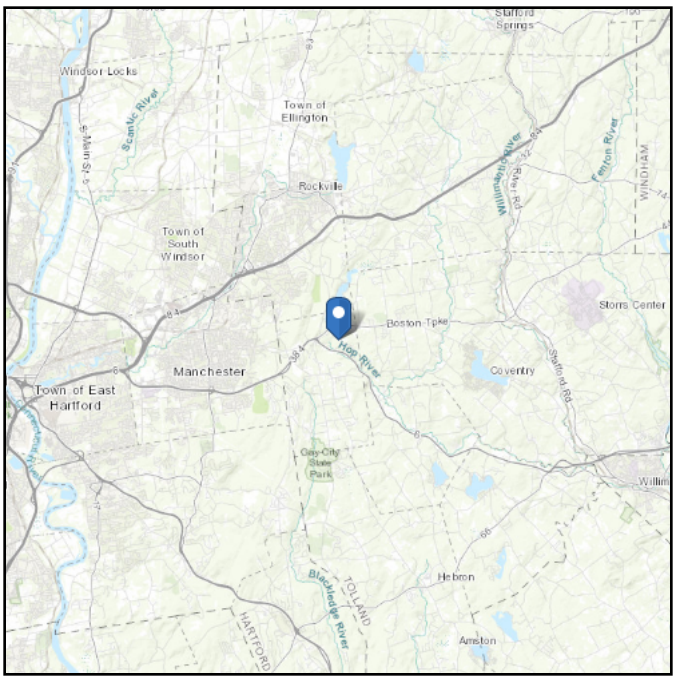
Groundwater Depth	5.5
# of Layers	12

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	0.5	0.5	100	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	0.5	2	1.5	102	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	2	3	1	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
4	3	3.33	0.33	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
5	3.33	4	0.67	115	150	0	40	0.000	0.000	0.12	0.12			Cohesionless
6	4	5.5	1.5	115	150	0	37	0.000	0.000	0.20	0.20			Cohesionless
7	5.5	6	0.5	53	87.6	0	37	0.00	0.00	0.24	0.24			Cohesionless
8	6	8	2	53	87.6	0	37	0.00	0.00	0.26	0.26			Cohesionless
9	8	10	2	53	87.6	0	41	0.00	0.00	0.34	0.34			Cohesionless
10	10	12	2	55	87.6	0	45	0.00	0.00	0.44	0.44			Cohesionless
11	12	14	2	58	87.6	0	45	0.00	0.00	0.50	0.50			Cohesionless
12	14	19.5	5.5	58	87.6	0	45	0.00	0.00	0.62	0.62	51.5		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Elevation:**	621.52 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.789008
Soil Class:	D - Default (see Section 11.4.3)	**Longitude:**	-72.429142



Wind

Results:

Wind Speed	119 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Fri Dec 17 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

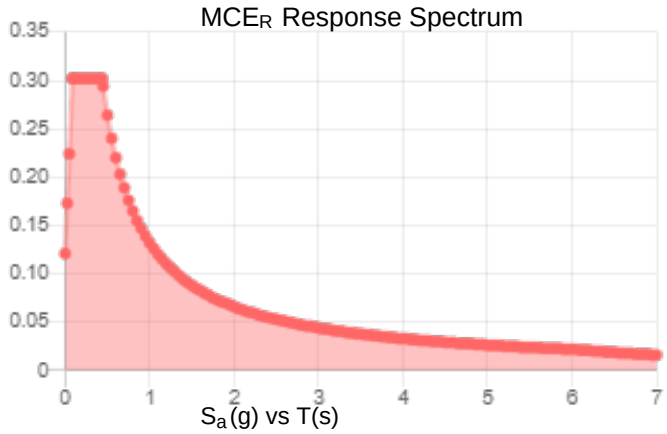
Seismic

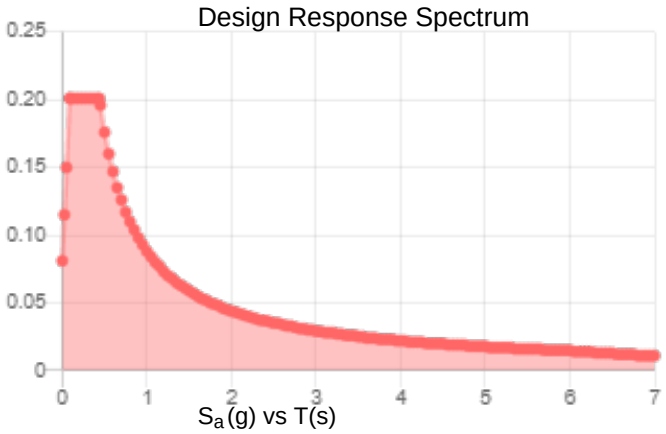
Site Soil Class: D - Default (see Section 11.4.3)

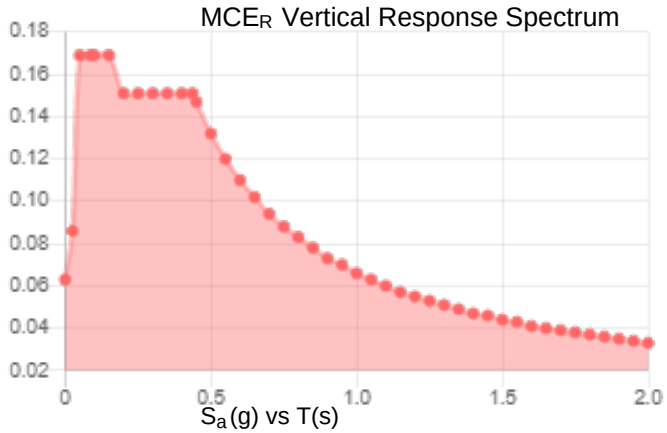
Results:

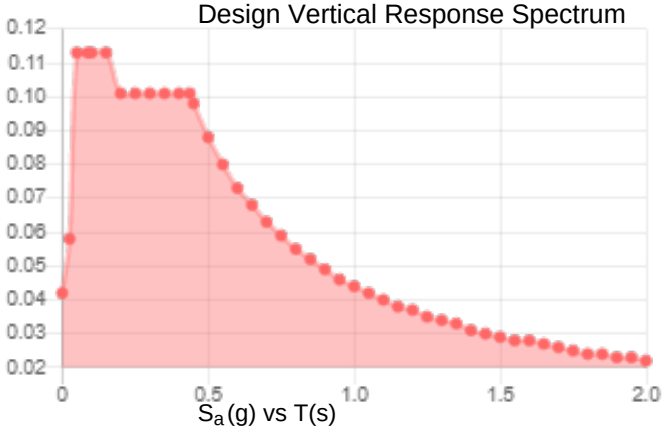
S_S :	0.189	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.102
F_v :	2.4	PGA_M :	0.162
S_{MS} :	0.302	F_{PGA} :	1.597
S_{M1} :	0.132	I_e :	1
S_{DS} :	0.201	C_v :	0.7

Seismic Design Category B









Data Accessed: **Fri Dec 17 2021**

Date Source:

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

Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	5 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Fri Dec 17 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Exhibit E

Mount Analysis

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10094533
Maser Consulting Connecticut Project #: 21777985A

August 17, 2021

Site Information	*Site ID:*	*468392-VZW / BOLTON EAST CT*
	Site Name:	*BOLTON EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*49 South Street* *Bolton, Connecticut 06043* *Tolland County*
	Latitude:	*41.789028°*
	Longitude:	*-72.429139°*
Structure Information	*Tower Type:*	*120-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16272381

Analysis Results

Platform: **85.2% 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: Zachary Bandilla

STATE OF CONNECTICUT · ERIC T. ANDERSON · 32224 · LICENSED PROFESSIONAL ENGINEER

Digitally signed by Eric Anderson
Date: 2021.08.18 13:24:42-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 674848, dated July 28, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site #:468392, dated June 10, 2021*
Previous Mount Analysis	*Maser Consulting, Project #: 21777985A, Dated August 6, 2021*
Mount Modification Drawings	*Maser Consulting, Project #: 21777985A, Dated August 16, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.978
Seismic Parameters:	S_S:	0.189
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
105.50	107.00	3	Commscope	NHH-65B-R2B	Added
		3	Commscope	NHHSS-65B-R2B	
		3	Samsung	MT6407-77A	
		2	RFS	DB-B1-6C-12AB-0Z	
		3	Samsung	CBRS RRH - RT4401-48A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Amphenol Antel	LPA-80063-4CF-EDIN-0	Retained

The recent mount mapping did not report existing OVP units. However, 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.

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	*22.2 %*	*Pass*
Standoff Horizontal	*55.3 %*	*Pass*
Platform Crossmember	*30.1 %*	*Pass*
Mount Pipe	*68.6 %*	*Pass*
Corner Plate	*22.5 %*	*Pass*
Grating Support	*18.1 %*	*Pass*
Cross Arm Plate	*62.3 %*	*Pass*
Support Rail	*37.7 %*	*Pass*
Corner Bracket	*66.8 %*	*Pass*
Connection Check	*85.2 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**85.2%**

Recommendation:

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

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

Attachments:

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

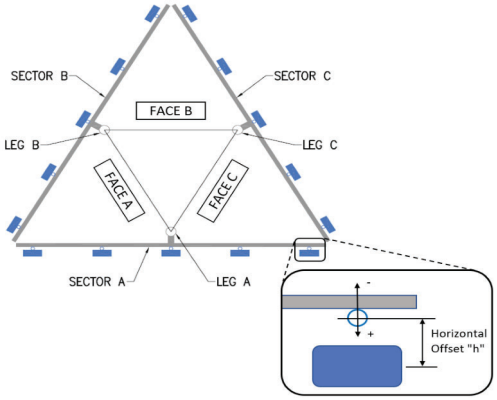
V4.0 Updated on 3-31-2021

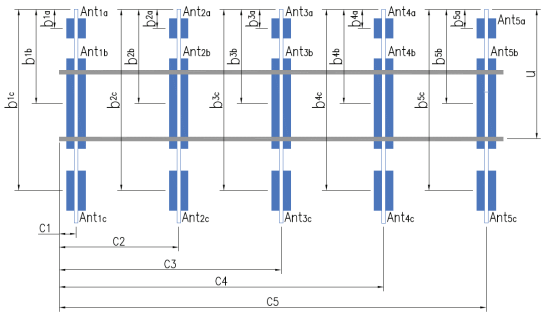
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/10/2021
Site Name:	BOLTON EAST CT	**Tower Type:**	Monopole
Site Number or ID:	468392	**Tower Height (Ft.):**	120
Mapping Contractor:	HUDSON DESIGN GROUP,LLC.	**Mount Elevation (Ft.):**	105.5

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	51.00	15.00	C1	2" STD. PIPE X 72" LONG	51.00	15.00
A2	2" STD. PIPE X 72" LONG	51.00	74.00	C2	2" STD. PIPE X 72" LONG	51.00	74.00
A3	2" STD. PIPE X 72" LONG	51.00	117.00	C3	2" STD. PIPE X 72" LONG	51.00	117.00
A4	2" STD. PIPE X 72" LONG	51.00	135.00	C4	2" STD. PIPE X 72" LONG	51.00	135.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	51.00	15.00	D1			
B2	2" STD. PIPE X 72" LONG	51.00	74.00	D2			
B3	2" STD. PIPE X 72" LONG	51.00	117.00	D3			
B4	2" STD. PIPE X 72" LONG	51.00	135.00	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. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	7
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	2.5
Please enter additional infomation or comments below.	

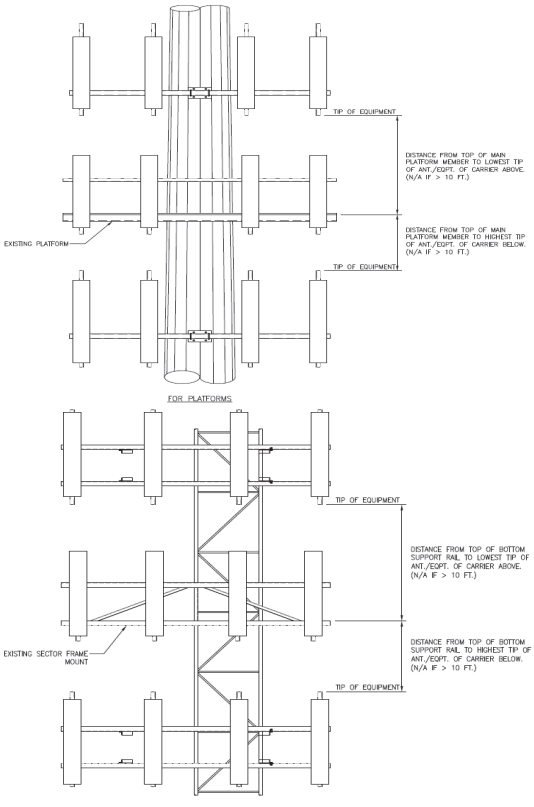
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	20
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80063-4CF	13.00	15.00	47.50		107.75	24.00	14.00	50.00	2,67
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063/6CF	5.50	11.00	71.50		106.917	34.00	9.00	50.00	3,68
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8BF	4.00	6.00	48.00		107.75	24.00	7.50	50.00	4,69
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-4CF	13.00	15.00	47.50		107.75	24.00	14.00	50.00	4,69
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

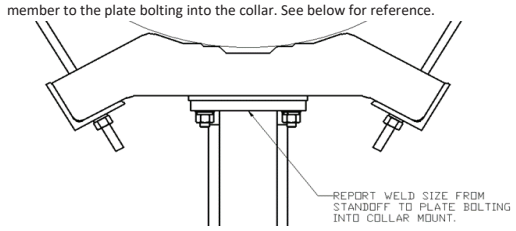
Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	5.00	Deg	
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-4CF	13.00	15.00	47.50		107.75	24.00	14.00	170.00	5,74
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063/6CF	5.50	11.00	71.50		106.917	34.00	9.00	170.00	5,75
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8BF	4.00	6.00	48.00		107.75	24.00	7.50	170.00	6,76
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-4CF	13.00	15.00	47.50		107.75	24.00	14.00	170.00	6,76
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	13.00	15.00	47.50		107.75	24.00	14.00	290.00	7,81
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063/6CF	5.50	11.00	71.50		106.917	34.00	9.00	290.00	7,82
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171063-8BF	4.00	6.00	48.00		107.75	24.00	7.50	290.00	8,84
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-4CF	13.00	15.00	47.50		107.75	24.00	14.00	290.00	8,84
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		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System					
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.					Photo #
Description of Obstruction:					
Type of Light:		Photo #		Additional Comments:	
Lighting Technology:		Photo #			
Elevation (AGL) at base of light (Ft.):		Photo #			
Is a service loop available?		Photo #			
Is beacon installed on an extension?		Photo #			

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

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

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/10/2021
Site Name:	BOLTON EAST CT	**Tower Type:**	Monopole
Site Number or ID:	468392	**Tower Height (Ft.):**	120
Mapping Contractor:	HUDSON DESIGN GROUP,LLC.	**Mount Elevation (Ft.):**	105.5

Please Insert Sketches of the Antenna Mount

6/15/2021

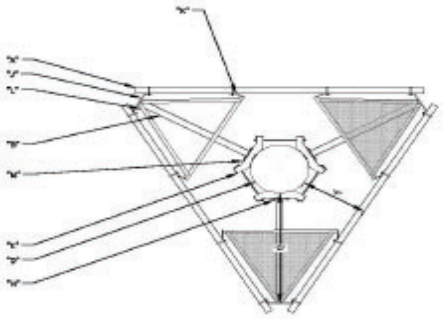
HUDSON Design Group LLC
45 BEECHWOOD DRIVE NORTH ANDOVER MA 01845 TEL: (978) 557-5553 FAX: (978) 689-0984

MOUNT MAPPING CHECKLIST

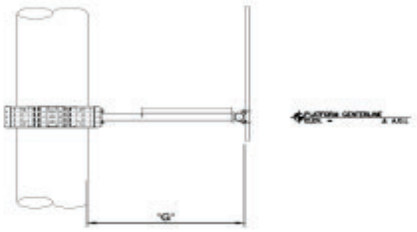
CARRIER:	COLLIER	SITE #:	Bolton East CT	SITE NAME:	
DATE:	6/10/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	
SIZE		3-1/2"
LENGTH		12'6"
B: STAND OFF SIZE	☐	4x4
C: ANTENNA PIPE MAST	☐	1/8"
DIA.		2-3/8"
LENGTH		72"
D: MONOPOLE DIA.	☐	20"
E: RINGMOUNT	☐	10"x 3/8"-1/2"
F: TOWER TO FACE	☐	38.5"
G: TOWER TO APEX	☐	70"
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x3.5"x12.5"x1/2"
K: B PLATE	☐	6"x3.5"x5.5"x 3/8"
L: ANGLE	☐	2"X2"X3/16"
M: MOUNTING PLATE	☐	10"x 10"x 5/8"
N: ALPHA POS 1	☐	LPA-80063-4CF
ALPHA POS 2	☐	BXA-70063/6CF
ALPHA POS 3	☐	BXA-171063-8BF
ALPHA POS 4	☐	LPA-80063-4CF
ALPHA POS 5		
O: BETA POS 1	☐	Same
BETA POS 2	☐	
BETA POS 3	☐	
BETA POS 4	☐	
BETA POS 5		Same
P: GAMMA POS 1	☐	
GAMMA POS 2	☐	
GAMMA POS 3	☐	
GAMMA POS 4	☐	
GAMMA POS 5		
Q: TMA	☐	None
R: RADIOS	☐	None
S: SURGE	☐	None
T: SECOND MOUNT	☐	None
COMMENTS:		

Legend



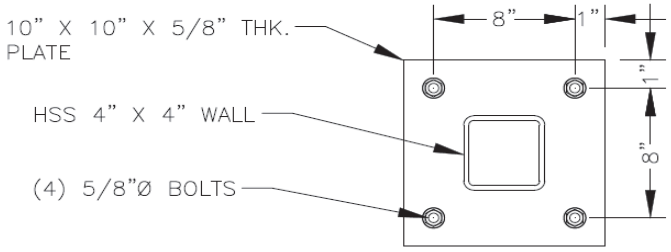
PLAN



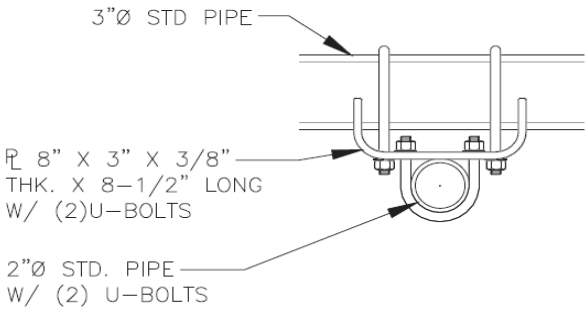
ELEVATION

FACE SKETCH

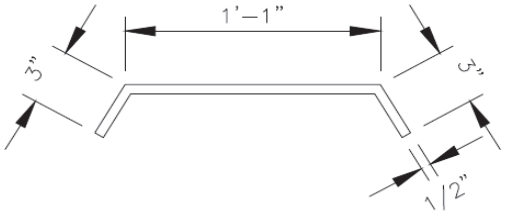
Please Insert Sketches of the Antenna Mount, cont'd



STANDOFF TO RING MOUNT CONNECTION

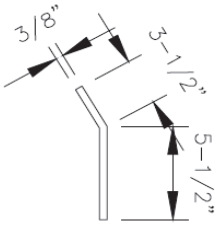


ANTENNA PIPE MAST MOUNT CONNECTION



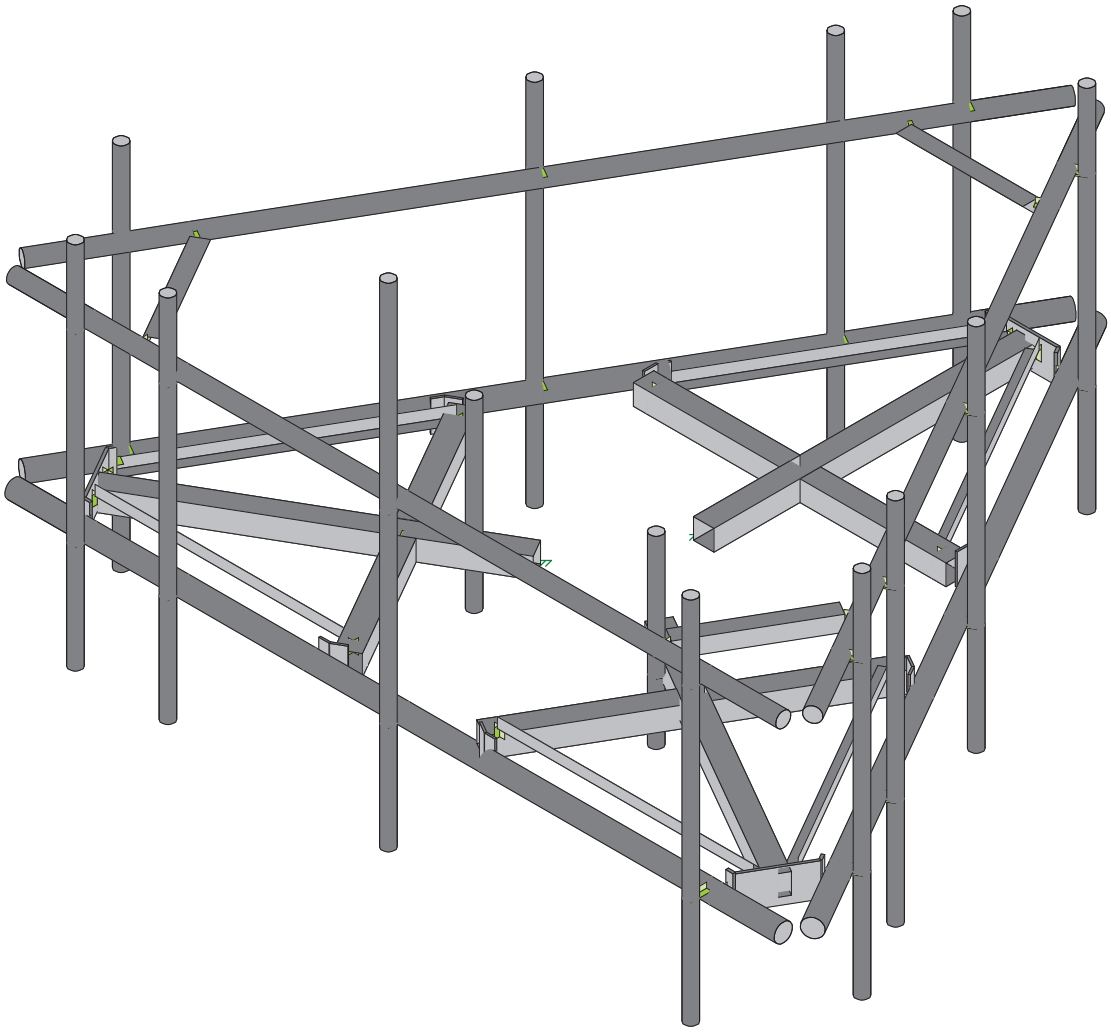
DETAIL J

APEX "A" PLATE DETAIL

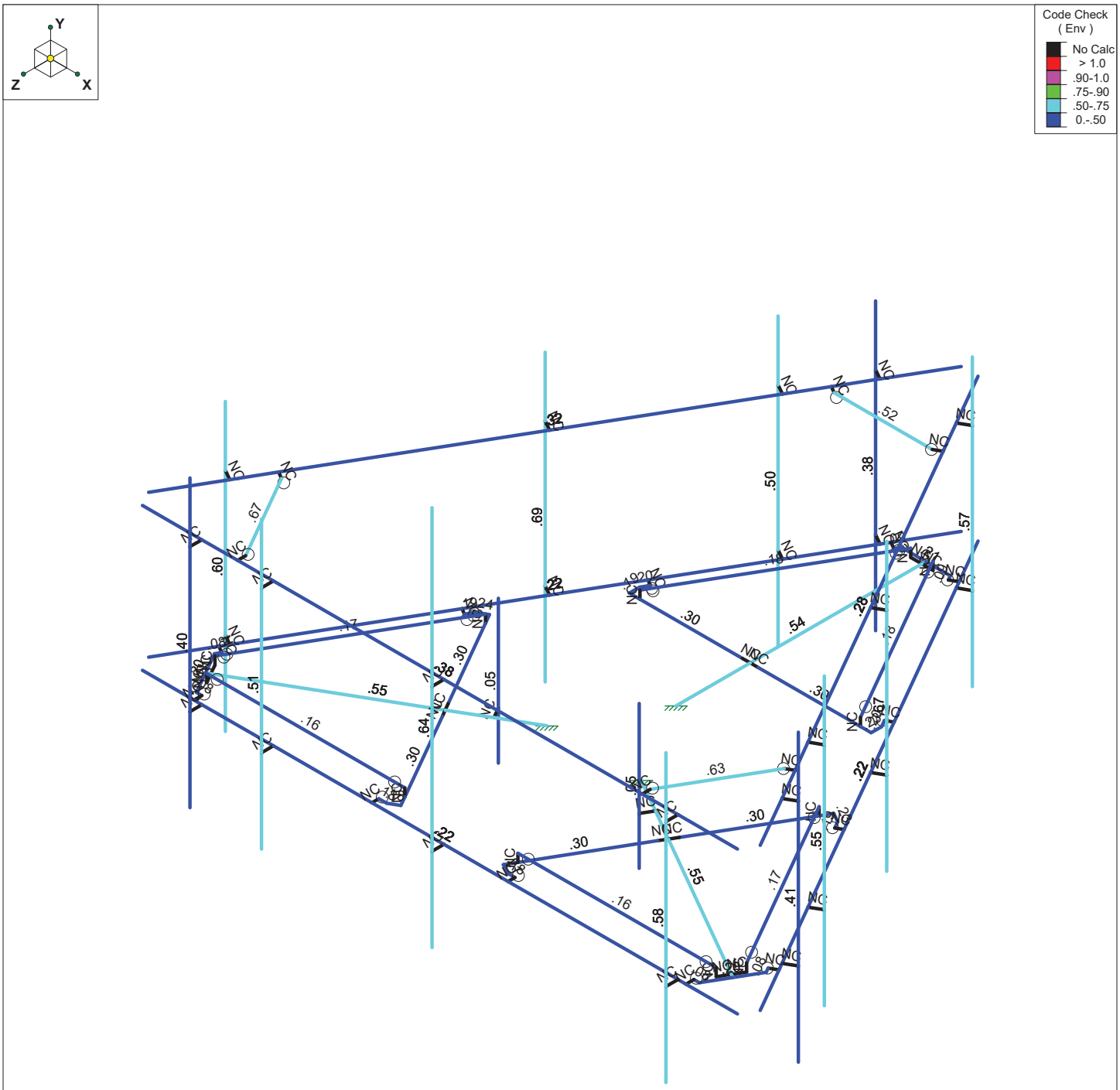


DETAIL K

"B" PLATE DETAIL



Maser Consulting	468392-VZW_MT_LO_H	SK - 1
		Aug 13, 2021 at 11:42 AM
		468392-Loaded.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468392-VZW_MT_LO_H	SK - 2
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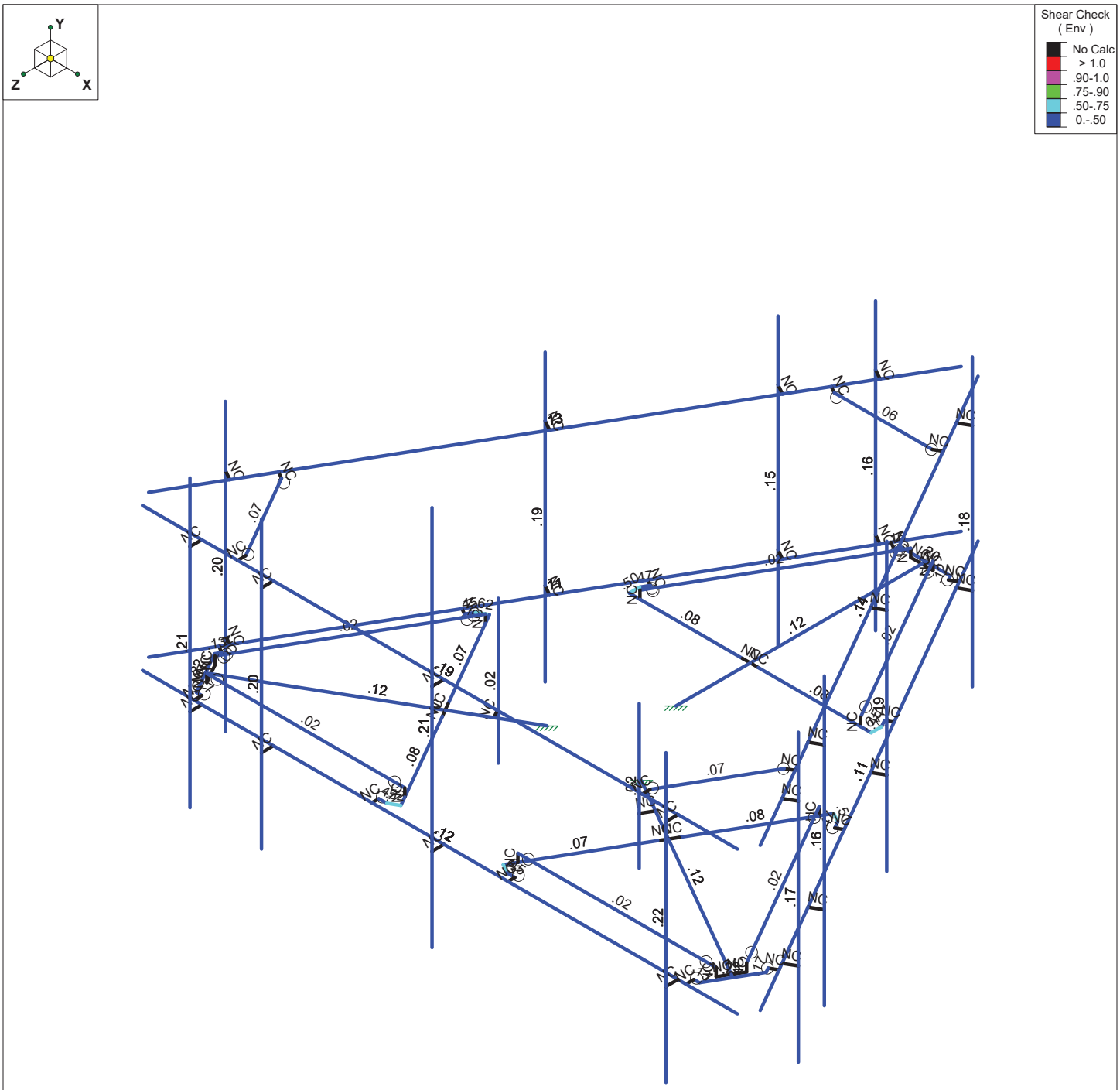


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468392-VZW_MT_LO_H	SK - 3
		Aug 13, 2021 at 11:43 AM
		468392-Loaded.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					123			
2	Antenna Di	None					123			
3	Antenna Wo (0 Deg)	None					123			
4	Antenna Wo (30 Deg)	None					123			
5	Antenna Wo (60 Deg)	None					123			
6	Antenna Wo (90 Deg)	None					123			
7	Antenna Wo (120 Deg)	None					123			
8	Antenna Wo (150 Deg)	None					123			
9	Antenna Wo (180 Deg)	None					123			
10	Antenna Wo (210 Deg)	None					123			
11	Antenna Wo (240 Deg)	None					123			
12	Antenna Wo (270 Deg)	None					123			
13	Antenna Wo (300 Deg)	None					123			
14	Antenna Wo (330 Deg)	None					123			
15	Antenna Wi (0 Deg)	None					123			
16	Antenna Wi (30 Deg)	None					123			
17	Antenna Wi (60 Deg)	None					123			
18	Antenna Wi (90 Deg)	None					123			
19	Antenna Wi (120 Deg)	None					123			
20	Antenna Wi (150 Deg)	None					123			
21	Antenna Wi (180 Deg)	None					123			
22	Antenna Wi (210 Deg)	None					123			
23	Antenna Wi (240 Deg)	None					123			
24	Antenna Wi (270 Deg)	None					123			
25	Antenna Wi (300 Deg)	None					123			
26	Antenna Wi (330 Deg)	None					123			
27	Antenna Wm (0 Deg)	None					123			
28	Antenna Wm (30 Deg)	None					123			
29	Antenna Wm (60 Deg)	None					123			
30	Antenna Wm (90 Deg)	None					123			
31	Antenna Wm (120 Deg)	None					123			
32	Antenna Wm (150 Deg)	None					123			
33	Antenna Wm (180 Deg)	None					123			
34	Antenna Wm (210 Deg)	None					123			
35	Antenna Wm (240 Deg)	None					123			
36	Antenna Wm (270 Deg)	None					123			
37	Antenna Wm (300 Deg)	None					123			
38	Antenna Wm (330 Deg)	None					123			
39	Structure D	None		-1					3	
40	Structure Di	None						59	3	
41	Structure Wo (0 Deg)	None						118		
42	Structure Wo (30 Deg)	None						118		
43	Structure Wo (60 Deg)	None						118		
44	Structure Wo (90 Deg)	None						118		
45	Structure Wo (120 D...	None						118		
46	Structure Wo (150 D...	None						118		
47	Structure Wo (180 D...	None						118		
48	Structure Wo (210 D...	None						118		
49	Structure Wo (240 D...	None						118		
50	Structure Wo (270 D...	None						118		
51	Structure Wo (300 D...	None						118		
52	Structure Wo (330 D...	None						118		
53	Structure Wi (0 Deg)	None						118		
54	Structure Wi (30 Deg)	None						118		
55	Structure Wi (60 Deg)	None						118		
56	Structure Wi (90 Deg)	None						118		

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						118		
58	Structure Wi (150 De...	None						118		
59	Structure Wi (180 De...	None						118		
60	Structure Wi (210 De...	None						118		
61	Structure Wi (240 De...	None						118		
62	Structure Wi (270 De...	None						118		
63	Structure Wi (300 De...	None						118		
64	Structure Wi (330 De...	None						118		
65	Structure Wm (0 Deg)	None						118		
66	Structure Wm (30 De...	None						118		
67	Structure Wm (60 De...	None						118		
68	Structure Wm (90 De...	None						118		
69	Structure Wm (120 D...	None						118		
70	Structure Wm (150 D...	None						118		
71	Structure Wm (180 D...	None						118		
72	Structure Wm (210 D...	None						118		
73	Structure Wm (240 D...	None						118		
74	Structure Wm (270 D...	None						118		
75	Structure Wm (300 D...	None						118		
76	Structure Wm (330 D...	None						118		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.145833	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	5	0	3.810523	0	
8	N9	5	0	4.060523	0	
9	N10	-5	0	3.810523	0	
10	N11	-5	0	4.060523	0	
11	N12	0.083333	0	3.810523	0	
12	N13	0.083333	0	4.060523	0	
13	N14	-3.5	0	3.810523	0	
14	N15	-3.5	0	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N16	-3.5	-1.75	4.060523	0	
16	N17	-3.5	4.25	4.060523	0	
17	N18	-5	-1.75	4.060523	0	
18	N19	-5	4.25	4.060523	0	
19	N20	0.083333	-1.75	4.060523	0	
20	N21	0.083333	6.25	4.060523	0	
21	N22	5	-1.75	4.060523	0	
22	N23	5	4.25	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N88B	-1.074652	0	3.555315	0	
49	N89	-3.503038	0.166667	-0.650772	0	
50	N90	-1.187933	0.166667	3.359106	0	
51	N91	-2.345485	0	1.354167	0	
52	N92	-5.538954	0	3.197917	0	
53	N93	-3.503038	0	-0.650772	0	
54	N94	-1.187933	0	3.359106	0	
55	N95	-3.616319	0	-0.846981	0	
56	N96	-2.262152	0	1.498504	0	
57	N97	-2.428819	0	1.209829	0	
58	N98	-1.264095	0	3.66469	0	
59	N99	-3.805762	0	-0.737606	0	
60	N100	-3.889095	0	-0.593269	0	
61	N101A	-5.740777	0	2.654396	0	
62	N102A	-1.430762	0	3.66469	0	
63	N103	-5.169162	0	3.644461	0	
64	N104	-4.015391	0	-0.666185	0	
65	N105A	-1.430762	0	3.810523	0	
66	N106	-5.281142	0	3.644461	0	
67	N107	-5.796767	0	2.751372	0	
68	N108	-5.884591	0	2.571364	0	
69	N109	-5.169162	0	3.810523	0	
70	N110	-5.466785	0	3.15625	0	
71	N111	-5.583904	0.166667	2.953394	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N112	-5.583904	0	2.953394	0	
73	N113	-5.349667	0.166667	3.359106	0	
74	N114	-5.349667	0	3.359106	0	
75	N116	3.616319	0	-0.846981	0	
76	N117	1.187933	0.166667	3.359106	0	
77	N118	3.503038	0.166667	-0.650772	0	
78	N119	2.345485	0	1.354167	0	
79	N120	5.538954	0	3.197917	0	
80	N121	1.187933	0	3.359106	0	
81	N122	3.503038	0	-0.650772	0	
82	N123	1.074652	0	3.555315	0	
83	N124	2.428819	0	1.209829	0	
84	N125	2.262152	0	1.498504	0	
85	N126	3.805762	0	-0.737606	0	
86	N127	1.264095	0	3.66469	0	
87	N128	1.430762	0	3.66469	0	
88	N129	5.169162	0	3.644461	0	
89	N130	3.889095	0	-0.593269	0	
90	N131A	5.740777	0	2.654396	0	
91	N132	1.430762	0	3.810523	0	
92	N133	4.015391	0	-0.666186	0	
93	N134	5.796767	0	2.751372	0	
94	N135A	5.281142	0	3.644461	0	
95	N136	5.169162	0	3.810523	0	
96	N137	5.884591	0	2.571364	0	
97	N138	5.466785	0	3.15625	0	
98	N139	5.349667	0.166667	3.359106	0	
99	N140	5.349667	0	3.359106	0	
100	N141	5.583904	0.166667	2.953394	0	
101	N142	5.583904	0	2.953394	0	
102	N104B	0.17501	0	-7.31792	0	
103	N105B	6.42501	0	3.507397	0	
104	N124A	-6.42501	0	3.507397	0	
105	N125A	-0.17501	0	-7.31792	0	
106	N198	1.695966	0	0.979167	0	
107	N199	1.570966	0	1.195673	0	
108	N200	1.570966	2	1.195673	0	
109	N201	1.570966	-1	1.195673	0	
110	N142B	-0.992321	0	0.572917	0	
111	N145	0.992321	0	0.572917	0	
112	N112A	0.80001	0	-6.235389	0	
113	N113A	1.016516	0	-6.360389	0	
114	N114A	5.80001	0	2.424865	0	
115	N115	6.016516	0	2.299865	0	
116	N116A	3.258343	0	-1.97743	0	
117	N117A	3.47485	0	-2.10243	0	
118	N118A	5.05001	0	1.125827	0	
119	N119A	5.266516	0	1.000827	0	
120	N120A	5.266516	-1.75	1.000827	0	
121	N121A	5.266516	4.25	1.000827	0	
122	N122A	6.016516	-1.75	2.299865	0	
123	N123A	6.016516	4.25	2.299865	0	
124	N124B	3.47485	-1.75	-2.10243	0	
125	N125B	3.47485	4.25	-2.10243	0	
126	N126A	1.016516	-1.75	-6.360389	0	
127	N127A	1.016516	4.25	-6.360389	0	
128	N129A	-5.80001	0	2.424865	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N130A	-6.016516	0	2.299865	0	
130	N131B	-0.80001	0	-6.235389	0	
131	N132A	-1.016516	0	-6.360389	0	
132	N133A	-3.341677	0	-1.833093	0	
133	N134A	-3.558183	0	-1.958093	0	
134	N135B	-1.55001	0	-4.936351	0	
135	N136A	-1.766516	0	-5.061351	0	
136	N137A	-1.766516	-1.75	-5.061351	0	
137	N138A	-1.766516	4.25	-5.061351	0	
138	N139A	-1.016516	-1.75	-6.360389	0	
139	N140A	-1.016516	4.25	-6.360389	0	
140	N141A	-3.558183	-1.75	-1.958093	0	
141	N142A	-3.558183	4.25	-1.958093	0	
142	N143	-6.016516	-1.75	2.299865	0	
143	N144A	-6.016516	4.25	2.299865	0	
144	N145A	-1.695966	0	0.979167	0	
145	N146	-1.820966	0	0.76266	0	
146	N147	-1.820966	2	0.76266	0	
147	N148A	-1.820966	-1	0.76266	0	
148	N148B	6.25	3	3.810523	0	
149	N149	-6.25	3	3.810523	0	
150	N150	5	3	3.810523	0	
151	N151	5	3	4.060523	0	
152	N152	-5	3	3.810523	0	
153	N153	-5	3	4.060523	0	
154	N154	0.083333	3	3.810523	0	
155	N155	0.083333	3	4.060523	0	
156	N156	-3.5	3	3.810523	0	
157	N157	-3.5	3	4.060523	0	
158	N159	0.17501	3	-7.31792	0	
159	N160	6.42501	3	3.507397	0	
160	N161	0.80001	3	-6.235389	0	
161	N162	1.016516	3	-6.360389	0	
162	N163	5.80001	3	2.424865	0	
163	N164	6.016516	3	2.299865	0	
164	N165	3.258343	3	-1.97743	0	
165	N166	3.47485	3	-2.10243	0	
166	N167	5.05001	3	1.125827	0	
167	N168	5.266516	3	1.000827	0	
168	N170	-6.42501	3	3.507397	0	
169	N171	-0.17501	3	-7.31792	0	
170	N172	-5.80001	3	2.424865	0	
171	N173	-6.016516	3	2.299865	0	
172	N174	-0.80001	3	-6.235389	0	
173	N175	-1.016516	3	-6.360389	0	
174	N176	-3.341677	3	-1.833093	0	
175	N177	-3.558183	3	-1.958093	0	
176	N178	-1.55001	3	-4.936351	0	
177	N179	-1.766516	3	-5.061351	0	
178	N178A	4.25	3	3.810523	0	
179	N180	1.17501	3	-5.58587	0	
180	N182	-5.42501	3	1.775346	0	
181	N181	-4.25	3	3.810523	0	
182	N183	5.42501	3	1.775346	0	
183	N185	-1.17501	3	-5.58587	0	
184	N184	4.25	3	3.644461	0	
185	N186	3.330838	6	3.810523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186A	5.281196	3	1.858377	0	
187	N188	4.965429	6	0.979328	0	
188	N191	1.031196	3	-5.502838	0	
189	N192	-1.031196	3	-5.502838	0	
190	N196	-5.281196	3	1.858377	0	
191	N197	-4.25	3	3.644461	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	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	SquareT...	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL1/2x6_HRA	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X3	Beam	SquareT...	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
5	Grating Support	L2x2x3	Beam	Single A...	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_HRA	Column	RECT	A36 Gr.36	Typical	3	.063	9	.237
8	Top Corner Plate	PL1/4x6	Column	RECT	A36 Gr.36	Typical	1.5	.008	4.5	.03
9	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	VZWSMART PLK1	L3X3X4	Column	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	12.5			Lbyy						Lateral
2	M4	Standoff Ho...	5.25			Lbyy						Lateral
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	MP3A	Mount Pipe	6			Lbyy						Lateral
5	MP4A	Mount Pipe	6			Lbyy						Lateral
6	MP2A	Mount Pipe	8			Lbyy						Lateral
7	MP1A	Mount Pipe	6			Lbyy						Lateral
8	M43	Platform Cr...	2.375			Lbyy						Lateral
9	M46	Corner Plate	1.031			Lbyy						Lateral
10	M51B	Grating Sup...	4.162			Lbyy						Lateral
11	M52B	Grating Sup...	4.162			Lbyy						Lateral
12	M76	Cross Arm ...	.219									Lateral
13	M77	Cross Arm ...	.167									Lateral
14	M80	Corner Plate	.112			Lbyy						Lateral
15	M84	Cross Arm ...	.219									Lateral
16	M85	Cross Arm ...	.167									Lateral
17	M91	Corner Plate	.112			Lbyy						Lateral
18	M53	Platform Cr...	2.375			Lbyy						Lateral
19	M54	Platform Cr...	2.375			Lbyy						Lateral
20	M55	Corner Plate	1.031			Lbyy						Lateral
21	M58A	Grating Sup...	4.162			Lbyy						Lateral
22	M59A	Grating Sup...	4.162			Lbyy						Lateral
23	M63	Cross Arm ...	.219									Lateral
24	M64	Cross Arm ...	.167									Lateral
25	M66	Corner Plate	.112			Lbyy						Lateral
26	M68	Cross Arm ...	.219									Lateral
27	M69	Cross Arm ...	.167									Lateral
28	M71	Corner Plate	.112			Lbyy						Lateral
29	M77A	Platform Cr...	2.375			Lbyy						Lateral
30	M78	Platform Cr...	2.375			Lbyy						Lateral
31	M79A	Corner Plate	1.031			Lbyy						Lateral
32	M82	Grating Sup...	4.162			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
33	M83A	Grating Sup...	4.162			Lbyy						Lateral
34	M87	Cross Arm ...	.219									Lateral
35	M88A	Cross Arm ...	.167									Lateral
36	M90	Corner Plate	.112			Lbyy						Lateral
37	M92A	Cross Arm ...	.219									Lateral
38	M93	Cross Arm ...	.167									Lateral
39	M95	Corner Plate	.112			Lbyy						Lateral
40	M82A	Face Horizo...	12.5			Lbyy						Lateral
41	M91B	Face Horizo...	12.5			Lbyy						Lateral
42	M135	Mount Pipe	3									Lateral
43	M100	Standoff Ho...	5.25			Lbyy						Lateral
44	M101	Standoff Ho...	5.25			Lbyy						Lateral
45	MP3C	Mount Pipe	6			Lbyy						Lateral
46	MP4C	Mount Pipe	6			Lbyy						Lateral
47	MP2C	Mount Pipe	6			Lbyy						Lateral
48	MP1C	Mount Pipe	6			Lbyy						Lateral
49	MP3B	Mount Pipe	6			Lbyy						Lateral
50	MP4B	Mount Pipe	6			Lbyy						Lateral
51	MP2B	Mount Pipe	6			Lbyy						Lateral
52	MP1B	Mount Pipe	6			Lbyy						Lateral
53	M103	Mount Pipe	3									Lateral
54	M104	Support Rail	12.5			Lbyy						Lateral
55	M109	Support Rail	12.5			Lbyy						Lateral
56	M114	Support Rail	12.5			Lbyy						Lateral
57	M121	VZWSMAR...	2.062									Lateral
58	M124	VZWSMAR...	2.062									Lateral
59	M127	VZWSMAR...	2.062									Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
35	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
37	M56	N90	N94			RIGID	None	None	RIGID	Typical
38	M57	N89	N93			RIGID	None	None	RIGID	Typical
39	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
40	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M60	N113	N114			RIGID	None	None	RIGID	Typical
42	M61	N96	N91			RIGID	None	None	RIGID	Typical
43	M62	N91	N97			RIGID	None	None	RIGID	Typical
44	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M65	N100	N104			RIGID	None	None	RIGID	Typical
47	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
48	M67	N101A	N108			RIGID	None	None	RIGID	Typical
49	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
50	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
52	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M72	N103	N109			RIGID	None	None	RIGID	Typical
54	M73	N114	N110			RIGID	None	None	RIGID	Typical
55	M74	N110	N112			RIGID	None	None	RIGID	Typical
56	M75	N111	N112			RIGID	None	None	RIGID	Typical
57	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
58	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
59	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
60	M80A	N118	N122			RIGID	None	None	RIGID	Typical
61	M81	N117	N121			RIGID	None	None	RIGID	Typical
62	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
63	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
64	M84A	N141	N142			RIGID	None	None	RIGID	Typical
65	M85A	N124	N119			RIGID	None	None	RIGID	Typical
66	M86	N119	N125			RIGID	None	None	RIGID	Typical
67	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M89	N128	N132			RIGID	None	None	RIGID	Typical
70	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
71	M91A	N129	N136			RIGID	None	None	RIGID	Typical
72	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
74	M94	N130	N133			RIGID	None	None	RIGID	Typical
75	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
76	M96	N131A	N137			RIGID	None	None	RIGID	Typical
77	M97	N142	N138			RIGID	None	None	RIGID	Typical
78	M98	N138	N140			RIGID	None	None	RIGID	Typical
79	M99	N139	N140			RIGID	None	None	RIGID	Typical
80	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
81	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
82	M134	N198	N199			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
83	M135	N200	N201			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M100	N142B	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
85	M101	N145	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
86	M86A	N112A	N113A			RIGID	None	None	RIGID	Typical
87	M87A	N114A	N115			RIGID	None	None	RIGID	Typical
88	M88B	N116A	N117A			RIGID	None	None	RIGID	Typical
89	M89A	N118A	N119A			RIGID	None	None	RIGID	Typical
90	MP3C	N121A	N120A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP4C	N123A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	MP2C	N125B	N124B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	MP1C	N127A	N126A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94A	N129A	N130A			RIGID	None	None	RIGID	Typical
95	M95A	N131B	N132A			RIGID	None	None	RIGID	Typical
96	M96A	N133A	N134A			RIGID	None	None	RIGID	Typical
97	M97A	N135B	N136A			RIGID	None	None	RIGID	Typical
98	MP3B	N138A	N137A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP4B	N140A	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	MP2B	N142A	N141A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	MP1B	N144A	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N145A	N146			RIGID	None	None	RIGID	Typical
103	M103	N147	N148A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	M104	N148B	N149			Support Rail	Column	Pipe	A53 Gr.B	Typical
105	M105	N150	N151			RIGID	None	None	RIGID	Typical
106	M106	N152	N153			RIGID	None	None	RIGID	Typical
107	M107	N154	N155			RIGID	None	None	RIGID	Typical
108	M108	N156	N157			RIGID	None	None	RIGID	Typical
109	M109	N159	N160			Support Rail	Column	Pipe	A53 Gr.B	Typical
110	M110	N161	N162			RIGID	None	None	RIGID	Typical
111	M111	N163	N164			RIGID	None	None	RIGID	Typical
112	M112	N165	N166			RIGID	None	None	RIGID	Typical
113	M113	N167	N168			RIGID	None	None	RIGID	Typical
114	M114	N170	N171			Support Rail	Column	Pipe	A53 Gr.B	Typical
115	M115	N172	N173			RIGID	None	None	RIGID	Typical
116	M116	N174	N175			RIGID	None	None	RIGID	Typical
117	M117	N176	N177			RIGID	None	None	RIGID	Typical
118	M118	N178	N179			RIGID	None	None	RIGID	Typical
119	M119	N184	N178A			RIGID	None	None	RIGID	Typical
120	M120	N186A	N183			RIGID	None	None	RIGID	Typical
121	M121	N184	N186A		180	VZWSMART ...	Column	Single Angle	A36 Gr.36	Typical
122	M122	N191	N180			RIGID	None	None	RIGID	Typical
123	M123	N192	N185			RIGID	None	None	RIGID	Typical
124	M124	N191	N192		180	VZWSMART ...	Column	Single Angle	A36 Gr.36	Typical
125	M125	N196	N182			RIGID	None	None	RIGID	Typical
126	M126	N197	N181			RIGID	None	None	RIGID	Typical
127	M127	N196	N197		180	VZWSMART ...	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	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						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...
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M53						Yes	Default			None
35	M54						Yes	Default			None
36	M55						Yes	Default			None
37	M56						Yes	** NA **			None
38	M57						Yes	** NA **			None
39	M58A	OOOOOX	OOOOOX				Yes	Default			None
40	M59A	OOOOOX	OOOOOX				Yes	Default			None
41	M60						Yes	** NA **			None
42	M61						Yes	** NA **			None
43	M62						Yes	** NA **			None
44	M63						Yes	** NA **			None
45	M64						Yes	** NA **			None
46	M65		BenPIN				Yes	** NA **			None
47	M66						Yes				None
48	M67		BenPIN				Yes	** NA **			None
49	M68						Yes	** NA **			None
50	M69						Yes	** NA **			None
51	M70		BenPIN				Yes	** NA **			None
52	M71						Yes				None
53	M72		BenPIN				Yes	** NA **			None
54	M73						Yes	** NA **			None
55	M74						Yes	** NA **			None
56	M75						Yes	** NA **			None
57	M77A						Yes	Default			None
58	M78						Yes	Default			None
59	M79A						Yes	Default			None
60	M80A						Yes	** NA **			None
61	M81						Yes	** NA **			None
62	M82	OOOOOX	OOOOOX				Yes	Default			None
63	M83A	OOOOOX	OOOOOX				Yes	Default			None
64	M84A						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...
65	M85A						Yes	** NA **			None
66	M86						Yes	** NA **			None
67	M87						Yes	** NA **			None
68	M88A						Yes	** NA **			None
69	M89		BenPIN				Yes	** NA **			None
70	M90						Yes				None
71	M91A		BenPIN				Yes	** NA **			None
72	M92A						Yes	** NA **			None
73	M93						Yes	** NA **			None
74	M94		BenPIN				Yes	** NA **			None
75	M95						Yes				None
76	M96		BenPIN				Yes	** NA **			None
77	M97						Yes	** NA **			None
78	M98						Yes	** NA **			None
79	M99						Yes	** NA **			None
80	M82A						Yes	Default			None
81	M91B						Yes	Default			None
82	M134						Yes	** NA **			None
83	M135						Yes	** NA **			None
84	M100						Yes				None
85	M101						Yes				None
86	M86A						Yes	** NA **			None
87	M87A						Yes	** NA **			None
88	M88B						Yes	** NA **			None
89	M89A						Yes	** NA **			None
90	MP3C						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	MP2C						Yes	** NA **			None
93	MP1C						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	M96A						Yes	** NA **			None
97	M97A						Yes	** NA **			None
98	MP3B						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	MP2B						Yes	** NA **			None
101	MP1B						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119		OOOOOO				Yes	** NA **			None
120	M120		OOOOOO				Yes	** NA **			None
121	M121						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...
122	M122		OOOOOO				Yes	** NA **			None
123	M123		OOOOOO				Yes	** NA **			None
124	M124						Yes	** NA **			None
125	M125		OOOOOO				Yes	** NA **			None
126	M126		OOOOOO				Yes	** NA **			None
127	M127						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	.5
2	MP2A	My	-.018	.5
3	MP2A	Mz	.015	.5
4	MP2A	Y	-21.85	5
5	MP2A	My	-.018	5
6	MP2A	Mz	.015	5
7	MP2B	Y	-21.85	.5
8	MP2B	My	-.004	.5
9	MP2B	Mz	-.023	.5
10	MP2B	Y	-21.85	5
11	MP2B	My	-.004	5
12	MP2B	Mz	-.023	5
13	MP2C	Y	-21.85	.5
14	MP2C	My	.022	.5
15	MP2C	Mz	.008	.5
16	MP2C	Y	-21.85	5
17	MP2C	My	.022	5
18	MP2C	Mz	.008	5
19	MP2A	Y	-32.3	.5
20	MP2A	My	-.027	.5
21	MP2A	Mz	-.022	.5
22	MP2A	Y	-32.3	5
23	MP2A	My	-.027	5
24	MP2A	Mz	-.022	5
25	MP2B	Y	-32.3	.5
26	MP2B	My	.032	.5
27	MP2B	Mz	-.013	.5
28	MP2B	Y	-32.3	5
29	MP2B	My	.032	5
30	MP2B	Mz	-.013	5
31	MP2C	Y	-32.3	.5
32	MP2C	My	-.005	.5
33	MP2C	Mz	.034	.5
34	MP2C	Y	-32.3	5
35	MP2C	My	-.005	5
36	MP2C	Mz	.034	5
37	MP3A	Y	-43.55	1
38	MP3A	My	-.036	1
39	MP3A	Mz	0	1
40	MP3A	Y	-43.55	3
41	MP3A	My	-.036	3
42	MP3A	Mz	0	3
43	MP3B	Y	-43.55	1
44	MP3B	My	.018	1
45	MP3B	Mz	-.031	1
46	MP3B	Y	-43.55	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	My	.018	3
48	MP3B	Mz	-.031	3
49	MP3C	Y	-43.55	1
50	MP3C	My	.018	1
51	MP3C	Mz	.031	1
52	MP3C	Y	-43.55	3
53	MP3C	My	.018	3
54	MP3C	Mz	.031	3
55	M135	Y	-32	1.5
56	M135	My	0	1.5
57	M135	Mz	0	1.5
58	MP2A	Y	-18.7	.75
59	MP2A	My	.009	.75
60	MP2A	Mz	0	.75
61	MP2B	Y	-18.7	.75
62	MP2B	My	-.005	.75
63	MP2B	Mz	.008	.75
64	MP2C	Y	-18.7	.75
65	MP2C	My	-.005	.75
66	MP2C	Mz	-.008	.75
67	MP1A	Y	-74.7	2
68	MP1A	My	.037	2
69	MP1A	Mz	0	2
70	MP1B	Y	-74.7	2
71	MP1B	My	-.019	2
72	MP1B	Mz	.032	2
73	MP1C	Y	-74.7	2
74	MP1C	My	-.019	2
75	MP1C	Mz	-.032	2
76	MP2A	Y	-70.3	3
77	MP2A	My	-.059	3
78	MP2A	Mz	0	3
79	MP2B	Y	-70.3	3
80	MP2B	My	.029	3
81	MP2B	Mz	-.051	3
82	MP2C	Y	-70.3	3
83	MP2C	My	.029	3
84	MP2C	Mz	.051	3
85	MP1A	Y	-10	.25
86	MP1A	My	-.008	.25
87	MP1A	Mz	0	.25
88	MP1A	Y	-10	3.75
89	MP1A	My	-.008	3.75
90	MP1A	Mz	0	3.75
91	MP1B	Y	-10	.25
92	MP1B	My	.004	.25
93	MP1B	Mz	-.007	.25
94	MP1B	Y	-10	3.75
95	MP1B	My	.004	3.75
96	MP1B	Mz	-.007	3.75
97	MP1C	Y	-10	.25
98	MP1C	My	.004	.25
99	MP1C	Mz	.007	.25
100	MP1C	Y	-10	3.75
101	MP1C	My	.004	3.75
102	MP1C	Mz	.007	3.75
103	MP4A	Y	-10	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP4A	My	-.008	.25
105	MP4A	Mz	0	.25
106	MP4A	Y	-10	3.75
107	MP4A	My	-.008	3.75
108	MP4A	Mz	0	3.75
109	MP4B	Y	-10	.25
110	MP4B	My	.004	.25
111	MP4B	Mz	-.007	.25
112	MP4B	Y	-10	3.75
113	MP4B	My	.004	3.75
114	MP4B	Mz	-.007	3.75
115	MP4C	Y	-10	.25
116	MP4C	My	.004	.25
117	MP4C	Mz	.007	.25
118	MP4C	Y	-10	3.75
119	MP4C	My	.004	3.75
120	MP4C	Mz	.007	3.75
121	M103	Y	-32	1.5
122	M103	My	0	1.5
123	M103	Mz	0	1.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-92.733	.5
2	MP2A	My	-.077	.5
3	MP2A	Mz	.062	.5
4	MP2A	Y	-92.733	5
5	MP2A	My	-.077	5
6	MP2A	Mz	.062	5
7	MP2B	Y	-92.733	.5
8	MP2B	My	-.015	.5
9	MP2B	Mz	-.098	.5
10	MP2B	Y	-92.733	5
11	MP2B	My	-.015	5
12	MP2B	Mz	-.098	5
13	MP2C	Y	-92.733	.5
14	MP2C	My	.092	.5
15	MP2C	Mz	.036	.5
16	MP2C	Y	-92.733	5
17	MP2C	My	.092	5
18	MP2C	Mz	.036	5
19	MP2A	Y	-92.733	.5
20	MP2A	My	-.077	.5
21	MP2A	Mz	-.062	.5
22	MP2A	Y	-92.733	5
23	MP2A	My	-.077	5
24	MP2A	Mz	-.062	5
25	MP2B	Y	-92.733	.5
26	MP2B	My	.092	.5
27	MP2B	Mz	-.036	.5
28	MP2B	Y	-92.733	5
29	MP2B	My	.092	5
30	MP2B	Mz	-.036	5
31	MP2C	Y	-92.733	.5
32	MP2C	My	-.015	.5
33	MP2C	Mz	.098	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	Y	-92.733	5
35	MP2C	My	-.015	5
36	MP2C	Mz	.098	5
37	MP3A	Y	-54.72	1
38	MP3A	My	-.046	1
39	MP3A	Mz	0	1
40	MP3A	Y	-54.72	3
41	MP3A	My	-.046	3
42	MP3A	Mz	0	3
43	MP3B	Y	-54.72	1
44	MP3B	My	.023	1
45	MP3B	Mz	-.039	1
46	MP3B	Y	-54.72	3
47	MP3B	My	.023	3
48	MP3B	Mz	-.039	3
49	MP3C	Y	-54.72	1
50	MP3C	My	.023	1
51	MP3C	Mz	.039	1
52	MP3C	Y	-54.72	3
53	MP3C	My	.023	3
54	MP3C	Mz	.039	3
55	M135	Y	-116.168	1.5
56	M135	My	0	1.5
57	M135	Mz	0	1.5
58	MP2A	Y	-31.721	.75
59	MP2A	My	.016	.75
60	MP2A	Mz	0	.75
61	MP2B	Y	-31.721	.75
62	MP2B	My	-.008	.75
63	MP2B	Mz	.014	.75
64	MP2C	Y	-31.721	.75
65	MP2C	My	-.008	.75
66	MP2C	Mz	-.014	.75
67	MP1A	Y	-69.503	2
68	MP1A	My	.035	2
69	MP1A	Mz	0	2
70	MP1B	Y	-69.503	2
71	MP1B	My	-.017	2
72	MP1B	Mz	.03	2
73	MP1C	Y	-69.503	2
74	MP1C	My	-.017	2
75	MP1C	Mz	-.03	2
76	MP2A	Y	-66.296	3
77	MP2A	My	-.055	3
78	MP2A	Mz	0	3
79	MP2B	Y	-66.296	3
80	MP2B	My	.028	3
81	MP2B	Mz	-.048	3
82	MP2C	Y	-66.296	3
83	MP2C	My	.028	3
84	MP2C	Mz	.048	3
85	MP1A	Y	-95.33	.25
86	MP1A	My	-.079	.25
87	MP1A	Mz	0	.25
88	MP1A	Y	-95.33	3.75
89	MP1A	My	-.079	3.75
90	MP1A	Mz	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1B	Y	-95.33	.25
92	MP1B	My	.04	.25
93	MP1B	Mz	-.069	.25
94	MP1B	Y	-95.33	3.75
95	MP1B	My	.04	3.75
96	MP1B	Mz	-.069	3.75
97	MP1C	Y	-95.33	.25
98	MP1C	My	.04	.25
99	MP1C	Mz	.069	.25
100	MP1C	Y	-95.33	3.75
101	MP1C	My	.04	3.75
102	MP1C	Mz	.069	3.75
103	MP4A	Y	-95.33	.25
104	MP4A	My	-.079	.25
105	MP4A	Mz	0	.25
106	MP4A	Y	-95.33	3.75
107	MP4A	My	-.079	3.75
108	MP4A	Mz	0	3.75
109	MP4B	Y	-95.33	.25
110	MP4B	My	.04	.25
111	MP4B	Mz	-.069	.25
112	MP4B	Y	-95.33	3.75
113	MP4B	My	.04	3.75
114	MP4B	Mz	-.069	3.75
115	MP4C	Y	-95.33	.25
116	MP4C	My	.04	.25
117	MP4C	Mz	.069	.25
118	MP4C	Y	-95.33	3.75
119	MP4C	My	.04	3.75
120	MP4C	Mz	.069	3.75
121	M103	Y	-116.168	1.5
122	M103	My	0	1.5
123	M103	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-156.558	.5
3	MP2A	Mx	-.104	.5
4	MP2A	X	0	5
5	MP2A	Z	-156.558	5
6	MP2A	Mx	-.104	5
7	MP2B	X	0	.5
8	MP2B	Z	-116.764	.5
9	MP2B	Mx	.123	.5
10	MP2B	X	0	5
11	MP2B	Z	-116.764	5
12	MP2B	Mx	.123	5
13	MP2C	X	0	.5
14	MP2C	Z	-116.764	.5
15	MP2C	Mx	-.045	.5
16	MP2C	X	0	5
17	MP2C	Z	-116.764	5
18	MP2C	Mx	-.045	5
19	MP2A	X	0	.5
20	MP2A	Z	-155.976	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	.104	.5
22	MP2A	X	0	5
23	MP2A	Z	-155.976	5
24	MP2A	Mx	.104	5
25	MP2B	X	0	.5
26	MP2B	Z	-116.619	.5
27	MP2B	Mx	.045	.5
28	MP2B	X	0	5
29	MP2B	Z	-116.619	5
30	MP2B	Mx	.045	5
31	MP2C	X	0	.5
32	MP2C	Z	-116.619	.5
33	MP2C	Mx	-.123	.5
34	MP2C	X	0	5
35	MP2C	Z	-116.619	5
36	MP2C	Mx	-.123	5
37	MP3A	X	0	1
38	MP3A	Z	-91.067	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-91.067	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-49.506	1
45	MP3B	Mx	.036	1
46	MP3B	X	0	3
47	MP3B	Z	-49.506	3
48	MP3B	Mx	.036	3
49	MP3C	X	0	1
50	MP3C	Z	-49.506	1
51	MP3C	Mx	-.036	1
52	MP3C	X	0	3
53	MP3C	Z	-49.506	3
54	MP3C	Mx	-.036	3
55	M135	X	0	1.5
56	M135	Z	-134.456	1.5
57	M135	Mx	0	1.5
58	MP2A	X	0	.75
59	MP2A	Z	-38.752	.75
60	MP2A	Mx	0	.75
61	MP2B	X	0	.75
62	MP2B	Z	-24.251	.75
63	MP2B	Mx	-.011	.75
64	MP2C	X	0	.75
65	MP2C	Z	-24.251	.75
66	MP2C	Mx	.011	.75
67	MP1A	X	0	2
68	MP1A	Z	-72.466	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	-54.446	2
72	MP1B	Mx	-.024	2
73	MP1C	X	0	2
74	MP1C	Z	-54.446	2
75	MP1C	Mx	.024	2
76	MP2A	X	0	3
77	MP2A	Z	-72.466	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2A	Mx	0	3
79	MP2B	X	0	3
80	MP2B	Z	-51.177	3
81	MP2B	Mx	.037	3
82	MP2C	X	0	3
83	MP2C	Z	-51.177	3
84	MP2C	Mx	-.037	3
85	MP1A	X	0	.25
86	MP1A	Z	-119.162	.25
87	MP1A	Mx	0	.25
88	MP1A	X	0	3.75
89	MP1A	Z	-119.162	3.75
90	MP1A	Mx	0	3.75
91	MP1B	X	0	.25
92	MP1B	Z	-108.101	.25
93	MP1B	Mx	.078	.25
94	MP1B	X	0	3.75
95	MP1B	Z	-108.101	3.75
96	MP1B	Mx	.078	3.75
97	MP1C	X	0	.25
98	MP1C	Z	-108.101	.25
99	MP1C	Mx	-.078	.25
100	MP1C	X	0	3.75
101	MP1C	Z	-108.101	3.75
102	MP1C	Mx	-.078	3.75
103	MP4A	X	0	.25
104	MP4A	Z	-119.162	.25
105	MP4A	Mx	0	.25
106	MP4A	X	0	3.75
107	MP4A	Z	-119.162	3.75
108	MP4A	Mx	0	3.75
109	MP4B	X	0	.25
110	MP4B	Z	-108.101	.25
111	MP4B	Mx	.078	.25
112	MP4B	X	0	3.75
113	MP4B	Z	-108.101	3.75
114	MP4B	Mx	.078	3.75
115	MP4C	X	0	.25
116	MP4C	Z	-108.101	.25
117	MP4C	Mx	-.078	.25
118	MP4C	X	0	3.75
119	MP4C	Z	-108.101	3.75
120	MP4C	Mx	-.078	3.75
121	M103	X	0	1.5
122	M103	Z	-134.456	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	71.647	.5
2	MP2A	Z	-124.095	.5
3	MP2A	Mx	-.142	.5
4	MP2A	X	71.647	5
5	MP2A	Z	-124.095	5
6	MP2A	Mx	-.142	5
7	MP2B	X	51.75	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-89.633	.5
9	MP2B	Mx	.086	.5
10	MP2B	X	51.75	5
11	MP2B	Z	-89.633	5
12	MP2B	Mx	.086	5
13	MP2C	X	71.647	.5
14	MP2C	Z	-124.095	.5
15	MP2C	Mx	.023	.5
16	MP2C	X	71.647	5
17	MP2C	Z	-124.095	5
18	MP2C	Mx	.023	5
19	MP2A	X	71.429	.5
20	MP2A	Z	-123.718	.5
21	MP2A	Mx	.023	.5
22	MP2A	X	71.429	5
23	MP2A	Z	-123.718	5
24	MP2A	Mx	.023	5
25	MP2B	X	51.75	.5
26	MP2B	Z	-89.633	.5
27	MP2B	Mx	.086	.5
28	MP2B	X	51.75	5
29	MP2B	Z	-89.633	5
30	MP2B	Mx	.086	5
31	MP2C	X	71.429	.5
32	MP2C	Z	-123.718	.5
33	MP2C	Mx	-.142	.5
34	MP2C	X	71.429	5
35	MP2C	Z	-123.718	5
36	MP2C	Mx	-.142	5
37	MP3A	X	38.607	1
38	MP3A	Z	-66.869	1
39	MP3A	Mx	-.032	1
40	MP3A	X	38.607	3
41	MP3A	Z	-66.869	3
42	MP3A	Mx	-.032	3
43	MP3B	X	17.826	1
44	MP3B	Z	-30.876	1
45	MP3B	Mx	.03	1
46	MP3B	X	17.826	3
47	MP3B	Z	-30.876	3
48	MP3B	Mx	.03	3
49	MP3C	X	38.607	1
50	MP3C	Z	-66.869	1
51	MP3C	Mx	-.032	1
52	MP3C	X	38.607	3
53	MP3C	Z	-66.869	3
54	MP3C	Mx	-.032	3
55	M135	X	54.815	1.5
56	M135	Z	-94.942	1.5
57	M135	Mx	0	1.5
58	MP2A	X	16.959	.75
59	MP2A	Z	-29.374	.75
60	MP2A	Mx	.008	.75
61	MP2B	X	9.709	.75
62	MP2B	Z	-16.817	.75
63	MP2B	Mx	-.01	.75
64	MP2C	X	16.959	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2C	Z	-29.374	.75
66	MP2C	Mx	.008	.75
67	MP1A	X	33.23	2
68	MP1A	Z	-57.556	2
69	MP1A	Mx	.017	2
70	MP1B	X	24.22	2
71	MP1B	Z	-41.95	2
72	MP1B	Mx	-.024	2
73	MP1C	X	33.23	2
74	MP1C	Z	-57.556	2
75	MP1C	Mx	.017	2
76	MP2A	X	32.685	3
77	MP2A	Z	-56.612	3
78	MP2A	Mx	-.027	3
79	MP2B	X	22.04	3
80	MP2B	Z	-38.175	3
81	MP2B	Mx	.037	3
82	MP2C	X	32.685	3
83	MP2C	Z	-56.612	3
84	MP2C	Mx	-.027	3
85	MP1A	X	57.737	.25
86	MP1A	Z	-100.004	.25
87	MP1A	Mx	-.048	.25
88	MP1A	X	57.737	3.75
89	MP1A	Z	-100.004	3.75
90	MP1A	Mx	-.048	3.75
91	MP1B	X	52.207	.25
92	MP1B	Z	-90.425	.25
93	MP1B	Mx	.087	.25
94	MP1B	X	52.207	3.75
95	MP1B	Z	-90.425	3.75
96	MP1B	Mx	.087	3.75
97	MP1C	X	57.737	.25
98	MP1C	Z	-100.004	.25
99	MP1C	Mx	-.048	.25
100	MP1C	X	57.737	3.75
101	MP1C	Z	-100.004	3.75
102	MP1C	Mx	-.048	3.75
103	MP4A	X	57.737	.25
104	MP4A	Z	-100.004	.25
105	MP4A	Mx	-.048	.25
106	MP4A	X	57.737	3.75
107	MP4A	Z	-100.004	3.75
108	MP4A	Mx	-.048	3.75
109	MP4B	X	52.207	.25
110	MP4B	Z	-90.425	.25
111	MP4B	Mx	.087	.25
112	MP4B	X	52.207	3.75
113	MP4B	Z	-90.425	3.75
114	MP4B	Mx	.087	3.75
115	MP4C	X	57.737	.25
116	MP4C	Z	-100.004	.25
117	MP4C	Mx	-.048	.25
118	MP4C	X	57.737	3.75
119	MP4C	Z	-100.004	3.75
120	MP4C	Mx	-.048	3.75
121	M103	X	54.815	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
122	M103	Z	-94.942	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	101.121	.5
2	MP2A	Z	-58.382	.5
3	MP2A	Mx	-.123	.5
4	MP2A	X	101.121	5
5	MP2A	Z	-58.382	5
6	MP2A	Mx	-.123	5
7	MP2B	X	101.121	.5
8	MP2B	Z	-58.382	.5
9	MP2B	Mx	.045	.5
10	MP2B	X	101.121	5
11	MP2B	Z	-58.382	5
12	MP2B	Mx	.045	5
13	MP2C	X	135.583	.5
14	MP2C	Z	-78.279	.5
15	MP2C	Mx	.104	.5
16	MP2C	X	135.583	5
17	MP2C	Z	-78.279	5
18	MP2C	Mx	.104	5
19	MP2A	X	100.995	.5
20	MP2A	Z	-58.309	.5
21	MP2A	Mx	-.045	.5
22	MP2A	X	100.995	5
23	MP2A	Z	-58.309	5
24	MP2A	Mx	-.045	5
25	MP2B	X	100.995	.5
26	MP2B	Z	-58.309	.5
27	MP2B	Mx	.123	.5
28	MP2B	X	100.995	5
29	MP2B	Z	-58.309	5
30	MP2B	Mx	.123	5
31	MP2C	X	135.079	.5
32	MP2C	Z	-77.988	.5
33	MP2C	Mx	-.104	.5
34	MP2C	X	135.079	5
35	MP2C	Z	-77.988	5
36	MP2C	Mx	-.104	5
37	MP3A	X	42.874	1
38	MP3A	Z	-24.753	1
39	MP3A	Mx	-.036	1
40	MP3A	X	42.874	3
41	MP3A	Z	-24.753	3
42	MP3A	Mx	-.036	3
43	MP3B	X	42.874	1
44	MP3B	Z	-24.753	1
45	MP3B	Mx	.036	1
46	MP3B	X	42.874	3
47	MP3B	Z	-24.753	3
48	MP3B	Mx	.036	3
49	MP3C	X	78.866	1
50	MP3C	Z	-45.533	1
51	MP3C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	78.866	3
53	MP3C	Z	-45.533	3
54	MP3C	Mx	0	3
55	M135	X	84.192	1.5
56	M135	Z	-48.608	1.5
57	M135	Mx	0	1.5
58	MP2A	X	21.002	.75
59	MP2A	Z	-12.126	.75
60	MP2A	Mx	.011	.75
61	MP2B	X	21.002	.75
62	MP2B	Z	-12.126	.75
63	MP2B	Mx	-.011	.75
64	MP2C	X	33.56	.75
65	MP2C	Z	-19.376	.75
66	MP2C	Mx	0	.75
67	MP1A	X	47.152	2
68	MP1A	Z	-27.223	2
69	MP1A	Mx	.024	2
70	MP1B	X	47.152	2
71	MP1B	Z	-27.223	2
72	MP1B	Mx	-.024	2
73	MP1C	X	62.757	2
74	MP1C	Z	-36.233	2
75	MP1C	Mx	0	2
76	MP2A	X	44.32	3
77	MP2A	Z	-25.588	3
78	MP2A	Mx	-.037	3
79	MP2B	X	44.32	3
80	MP2B	Z	-25.588	3
81	MP2B	Mx	.037	3
82	MP2C	X	62.757	3
83	MP2C	Z	-36.233	3
84	MP2C	Mx	0	3
85	MP1A	X	93.618	.25
86	MP1A	Z	-54.05	.25
87	MP1A	Mx	-.078	.25
88	MP1A	X	93.618	3.75
89	MP1A	Z	-54.05	3.75
90	MP1A	Mx	-.078	3.75
91	MP1B	X	93.618	.25
92	MP1B	Z	-54.05	.25
93	MP1B	Mx	.078	.25
94	MP1B	X	93.618	3.75
95	MP1B	Z	-54.05	3.75
96	MP1B	Mx	.078	3.75
97	MP1C	X	103.197	.25
98	MP1C	Z	-59.581	.25
99	MP1C	Mx	0	.25
100	MP1C	X	103.197	3.75
101	MP1C	Z	-59.581	3.75
102	MP1C	Mx	0	3.75
103	MP4A	X	93.618	.25
104	MP4A	Z	-54.05	.25
105	MP4A	Mx	-.078	.25
106	MP4A	X	93.618	3.75
107	MP4A	Z	-54.05	3.75
108	MP4A	Mx	-.078	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP4B	X	93.618	.25
110	MP4B	Z	-54.05	.25
111	MP4B	Mx	.078	.25
112	MP4B	X	93.618	3.75
113	MP4B	Z	-54.05	3.75
114	MP4B	Mx	.078	3.75
115	MP4C	X	103.197	.25
116	MP4C	Z	-59.581	.25
117	MP4C	Mx	0	.25
118	MP4C	X	103.197	3.75
119	MP4C	Z	-59.581	3.75
120	MP4C	Mx	0	3.75
121	M103	X	84.192	1.5
122	M103	Z	-48.608	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	103.5	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.086	.5
4	MP2A	X	103.5	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.086	5
7	MP2B	X	143.293	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.023	.5
10	MP2B	X	143.293	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.023	5
13	MP2C	X	143.293	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.142	.5
16	MP2C	X	143.293	5
17	MP2C	Z	0	5
18	MP2C	Mx	.142	5
19	MP2A	X	103.5	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.086	.5
22	MP2A	X	103.5	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.086	5
25	MP2B	X	142.857	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.142	.5
28	MP2B	X	142.857	5
29	MP2B	Z	0	5
30	MP2B	Mx	.142	5
31	MP2C	X	142.857	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.023	.5
34	MP2C	X	142.857	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.023	5
37	MP3A	X	35.653	1
38	MP3A	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	-.03	1
40	MP3A	X	35.653	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.03	3
43	MP3B	X	77.213	1
44	MP3B	Z	0	1
45	MP3B	Mx	.032	1
46	MP3B	X	77.213	3
47	MP3B	Z	0	3
48	MP3B	Mx	.032	3
49	MP3C	X	77.213	1
50	MP3C	Z	0	1
51	MP3C	Mx	.032	1
52	MP3C	X	77.213	3
53	MP3C	Z	0	3
54	MP3C	Mx	.032	3
55	M135	X	109.629	1.5
56	M135	Z	0	1.5
57	M135	Mx	0	1.5
58	MP2A	X	19.418	.75
59	MP2A	Z	0	.75
60	MP2A	Mx	.01	.75
61	MP2B	X	33.918	.75
62	MP2B	Z	0	.75
63	MP2B	Mx	-.008	.75
64	MP2C	X	33.918	.75
65	MP2C	Z	0	.75
66	MP2C	Mx	-.008	.75
67	MP1A	X	48.44	2
68	MP1A	Z	0	2
69	MP1A	Mx	.024	2
70	MP1B	X	66.459	2
71	MP1B	Z	0	2
72	MP1B	Mx	-.017	2
73	MP1C	X	66.459	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.017	2
76	MP2A	X	44.08	3
77	MP2A	Z	0	3
78	MP2A	Mx	-.037	3
79	MP2B	X	65.37	3
80	MP2B	Z	0	3
81	MP2B	Mx	.027	3
82	MP2C	X	65.37	3
83	MP2C	Z	0	3
84	MP2C	Mx	.027	3
85	MP1A	X	104.413	.25
86	MP1A	Z	0	.25
87	MP1A	Mx	-.087	.25
88	MP1A	X	104.413	3.75
89	MP1A	Z	0	3.75
90	MP1A	Mx	-.087	3.75
91	MP1B	X	115.475	.25
92	MP1B	Z	0	.25
93	MP1B	Mx	.048	.25
94	MP1B	X	115.475	3.75
95	MP1B	Z	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1B	Mx	.048	3.75
97	MP1C	X	115.475	.25
98	MP1C	Z	0	.25
99	MP1C	Mx	.048	.25
100	MP1C	X	115.475	3.75
101	MP1C	Z	0	3.75
102	MP1C	Mx	.048	3.75
103	MP4A	X	104.413	.25
104	MP4A	Z	0	.25
105	MP4A	Mx	-.087	.25
106	MP4A	X	104.413	3.75
107	MP4A	Z	0	3.75
108	MP4A	Mx	-.087	3.75
109	MP4B	X	115.475	.25
110	MP4B	Z	0	.25
111	MP4B	Mx	.048	.25
112	MP4B	X	115.475	3.75
113	MP4B	Z	0	3.75
114	MP4B	Mx	.048	3.75
115	MP4C	X	115.475	.25
116	MP4C	Z	0	.25
117	MP4C	Mx	.048	.25
118	MP4C	X	115.475	3.75
119	MP4C	Z	0	3.75
120	MP4C	Mx	.048	3.75
121	M103	X	109.629	1.5
122	M103	Z	0	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	101.121	.5
2	MP2A	Z	58.382	.5
3	MP2A	Mx	-.045	.5
4	MP2A	X	101.121	5
5	MP2A	Z	58.382	5
6	MP2A	Mx	-.045	5
7	MP2B	X	135.583	.5
8	MP2B	Z	78.279	.5
9	MP2B	Mx	-.104	.5
10	MP2B	X	135.583	5
11	MP2B	Z	78.279	5
12	MP2B	Mx	-.104	5
13	MP2C	X	101.121	.5
14	MP2C	Z	58.382	.5
15	MP2C	Mx	.123	.5
16	MP2C	X	101.121	5
17	MP2C	Z	58.382	5
18	MP2C	Mx	.123	5
19	MP2A	X	100.995	.5
20	MP2A	Z	58.309	.5
21	MP2A	Mx	-.123	.5
22	MP2A	X	100.995	5
23	MP2A	Z	58.309	5
24	MP2A	Mx	-.123	5
25	MP2B	X	135.079	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	77.988	.5
27	MP2B	Mx	.104	.5
28	MP2B	X	135.079	5
29	MP2B	Z	77.988	5
30	MP2B	Mx	.104	5
31	MP2C	X	100.995	.5
32	MP2C	Z	58.309	.5
33	MP2C	Mx	.045	.5
34	MP2C	X	100.995	5
35	MP2C	Z	58.309	5
36	MP2C	Mx	.045	5
37	MP3A	X	42.874	1
38	MP3A	Z	24.753	1
39	MP3A	Mx	-.036	1
40	MP3A	X	42.874	3
41	MP3A	Z	24.753	3
42	MP3A	Mx	-.036	3
43	MP3B	X	78.866	1
44	MP3B	Z	45.533	1
45	MP3B	Mx	0	1
46	MP3B	X	78.866	3
47	MP3B	Z	45.533	3
48	MP3B	Mx	0	3
49	MP3C	X	42.874	1
50	MP3C	Z	24.753	1
51	MP3C	Mx	.036	1
52	MP3C	X	42.874	3
53	MP3C	Z	24.753	3
54	MP3C	Mx	.036	3
55	M135	X	116.442	1.5
56	M135	Z	67.228	1.5
57	M135	Mx	0	1.5
58	MP2A	X	21.002	.75
59	MP2A	Z	12.126	.75
60	MP2A	Mx	.011	.75
61	MP2B	X	33.56	.75
62	MP2B	Z	19.376	.75
63	MP2B	Mx	0	.75
64	MP2C	X	21.002	.75
65	MP2C	Z	12.126	.75
66	MP2C	Mx	-.011	.75
67	MP1A	X	47.152	2
68	MP1A	Z	27.223	2
69	MP1A	Mx	.024	2
70	MP1B	X	62.757	2
71	MP1B	Z	36.233	2
72	MP1B	Mx	0	2
73	MP1C	X	47.152	2
74	MP1C	Z	27.223	2
75	MP1C	Mx	-.024	2
76	MP2A	X	44.32	3
77	MP2A	Z	25.588	3
78	MP2A	Mx	-.037	3
79	MP2B	X	62.757	3
80	MP2B	Z	36.233	3
81	MP2B	Mx	0	3
82	MP2C	X	44.32	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2C	Z	25.588	3
84	MP2C	Mx	.037	3
85	MP1A	X	93.618	.25
86	MP1A	Z	54.05	.25
87	MP1A	Mx	-.078	.25
88	MP1A	X	93.618	3.75
89	MP1A	Z	54.05	3.75
90	MP1A	Mx	-.078	3.75
91	MP1B	X	103.197	.25
92	MP1B	Z	59.581	.25
93	MP1B	Mx	0	.25
94	MP1B	X	103.197	3.75
95	MP1B	Z	59.581	3.75
96	MP1B	Mx	0	3.75
97	MP1C	X	93.618	.25
98	MP1C	Z	54.05	.25
99	MP1C	Mx	.078	.25
100	MP1C	X	93.618	3.75
101	MP1C	Z	54.05	3.75
102	MP1C	Mx	.078	3.75
103	MP4A	X	93.618	.25
104	MP4A	Z	54.05	.25
105	MP4A	Mx	-.078	.25
106	MP4A	X	93.618	3.75
107	MP4A	Z	54.05	3.75
108	MP4A	Mx	-.078	3.75
109	MP4B	X	103.197	.25
110	MP4B	Z	59.581	.25
111	MP4B	Mx	0	.25
112	MP4B	X	103.197	3.75
113	MP4B	Z	59.581	3.75
114	MP4B	Mx	0	3.75
115	MP4C	X	93.618	.25
116	MP4C	Z	54.05	.25
117	MP4C	Mx	.078	.25
118	MP4C	X	93.618	3.75
119	MP4C	Z	54.05	3.75
120	MP4C	Mx	.078	3.75
121	M103	X	116.442	1.5
122	M103	Z	67.228	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	71.647	.5
2	MP2A	Z	124.095	.5
3	MP2A	Mx	.023	.5
4	MP2A	X	71.647	5
5	MP2A	Z	124.095	5
6	MP2A	Mx	.023	5
7	MP2B	X	71.647	.5
8	MP2B	Z	124.095	.5
9	MP2B	Mx	-.142	.5
10	MP2B	X	71.647	5
11	MP2B	Z	124.095	5
12	MP2B	Mx	-.142	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	51.75	.5
14	MP2C	Z	89.633	.5
15	MP2C	Mx	.086	.5
16	MP2C	X	51.75	5
17	MP2C	Z	89.633	5
18	MP2C	Mx	.086	5
19	MP2A	X	71.429	.5
20	MP2A	Z	123.718	.5
21	MP2A	Mx	-.142	.5
22	MP2A	X	71.429	5
23	MP2A	Z	123.718	5
24	MP2A	Mx	-.142	5
25	MP2B	X	71.429	.5
26	MP2B	Z	123.718	.5
27	MP2B	Mx	.023	.5
28	MP2B	X	71.429	5
29	MP2B	Z	123.718	5
30	MP2B	Mx	.023	5
31	MP2C	X	51.75	.5
32	MP2C	Z	89.633	.5
33	MP2C	Mx	.086	.5
34	MP2C	X	51.75	5
35	MP2C	Z	89.633	5
36	MP2C	Mx	.086	5
37	MP3A	X	38.607	1
38	MP3A	Z	66.869	1
39	MP3A	Mx	-.032	1
40	MP3A	X	38.607	3
41	MP3A	Z	66.869	3
42	MP3A	Mx	-.032	3
43	MP3B	X	38.607	1
44	MP3B	Z	66.869	1
45	MP3B	Mx	-.032	1
46	MP3B	X	38.607	3
47	MP3B	Z	66.869	3
48	MP3B	Mx	-.032	3
49	MP3C	X	17.826	1
50	MP3C	Z	30.876	1
51	MP3C	Mx	.03	1
52	MP3C	X	17.826	3
53	MP3C	Z	30.876	3
54	MP3C	Mx	.03	3
55	M135	X	73.435	1.5
56	M135	Z	127.193	1.5
57	M135	Mx	0	1.5
58	MP2A	X	16.959	.75
59	MP2A	Z	29.374	.75
60	MP2A	Mx	.008	.75
61	MP2B	X	16.959	.75
62	MP2B	Z	29.374	.75
63	MP2B	Mx	.008	.75
64	MP2C	X	9.709	.75
65	MP2C	Z	16.817	.75
66	MP2C	Mx	-.01	.75
67	MP1A	X	33.23	2
68	MP1A	Z	57.556	2
69	MP1A	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1B	X	33.23	2
71	MP1B	Z	57.556	2
72	MP1B	Mx	.017	2
73	MP1C	X	24.22	2
74	MP1C	Z	41.95	2
75	MP1C	Mx	-.024	2
76	MP2A	X	32.685	3
77	MP2A	Z	56.612	3
78	MP2A	Mx	-.027	3
79	MP2B	X	32.685	3
80	MP2B	Z	56.612	3
81	MP2B	Mx	-.027	3
82	MP2C	X	22.04	3
83	MP2C	Z	38.175	3
84	MP2C	Mx	.037	3
85	MP1A	X	57.737	.25
86	MP1A	Z	100.004	.25
87	MP1A	Mx	-.048	.25
88	MP1A	X	57.737	3.75
89	MP1A	Z	100.004	3.75
90	MP1A	Mx	-.048	3.75
91	MP1B	X	57.737	.25
92	MP1B	Z	100.004	.25
93	MP1B	Mx	-.048	.25
94	MP1B	X	57.737	3.75
95	MP1B	Z	100.004	3.75
96	MP1B	Mx	-.048	3.75
97	MP1C	X	52.207	.25
98	MP1C	Z	90.425	.25
99	MP1C	Mx	.087	.25
100	MP1C	X	52.207	3.75
101	MP1C	Z	90.425	3.75
102	MP1C	Mx	.087	3.75
103	MP4A	X	57.737	.25
104	MP4A	Z	100.004	.25
105	MP4A	Mx	-.048	.25
106	MP4A	X	57.737	3.75
107	MP4A	Z	100.004	3.75
108	MP4A	Mx	-.048	3.75
109	MP4B	X	57.737	.25
110	MP4B	Z	100.004	.25
111	MP4B	Mx	-.048	.25
112	MP4B	X	57.737	3.75
113	MP4B	Z	100.004	3.75
114	MP4B	Mx	-.048	3.75
115	MP4C	X	52.207	.25
116	MP4C	Z	90.425	.25
117	MP4C	Mx	.087	.25
118	MP4C	X	52.207	3.75
119	MP4C	Z	90.425	3.75
120	MP4C	Mx	.087	3.75
121	M103	X	73.435	1.5
122	M103	Z	127.193	1.5
123	M103	Mx	0	1.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	156.558	.5
3	MP2A	Mx	.104	.5
4	MP2A	X	0	5
5	MP2A	Z	156.558	5
6	MP2A	Mx	.104	5
7	MP2B	X	0	.5
8	MP2B	Z	116.764	.5
9	MP2B	Mx	-.123	.5
10	MP2B	X	0	5
11	MP2B	Z	116.764	5
12	MP2B	Mx	-.123	5
13	MP2C	X	0	.5
14	MP2C	Z	116.764	.5
15	MP2C	Mx	.045	.5
16	MP2C	X	0	5
17	MP2C	Z	116.764	5
18	MP2C	Mx	.045	5
19	MP2A	X	0	.5
20	MP2A	Z	155.976	.5
21	MP2A	Mx	-.104	.5
22	MP2A	X	0	5
23	MP2A	Z	155.976	5
24	MP2A	Mx	-.104	5
25	MP2B	X	0	.5
26	MP2B	Z	116.619	.5
27	MP2B	Mx	-.045	.5
28	MP2B	X	0	5
29	MP2B	Z	116.619	5
30	MP2B	Mx	-.045	5
31	MP2C	X	0	.5
32	MP2C	Z	116.619	.5
33	MP2C	Mx	.123	.5
34	MP2C	X	0	5
35	MP2C	Z	116.619	5
36	MP2C	Mx	.123	5
37	MP3A	X	0	1
38	MP3A	Z	91.067	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	91.067	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	49.506	1
45	MP3B	Mx	-.036	1
46	MP3B	X	0	3
47	MP3B	Z	49.506	3
48	MP3B	Mx	-.036	3
49	MP3C	X	0	1
50	MP3C	Z	49.506	1
51	MP3C	Mx	.036	1
52	MP3C	X	0	3
53	MP3C	Z	49.506	3
54	MP3C	Mx	.036	3
55	M135	X	0	1.5
56	M135	Z	134.456	1.5
57	M135	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	.75
59	MP2A	Z	38.752	.75
60	MP2A	Mx	0	.75
61	MP2B	X	0	.75
62	MP2B	Z	24.251	.75
63	MP2B	Mx	.011	.75
64	MP2C	X	0	.75
65	MP2C	Z	24.251	.75
66	MP2C	Mx	-.011	.75
67	MP1A	X	0	2
68	MP1A	Z	72.466	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	54.446	2
72	MP1B	Mx	.024	2
73	MP1C	X	0	2
74	MP1C	Z	54.446	2
75	MP1C	Mx	-.024	2
76	MP2A	X	0	3
77	MP2A	Z	72.466	3
78	MP2A	Mx	0	3
79	MP2B	X	0	3
80	MP2B	Z	51.177	3
81	MP2B	Mx	-.037	3
82	MP2C	X	0	3
83	MP2C	Z	51.177	3
84	MP2C	Mx	.037	3
85	MP1A	X	0	.25
86	MP1A	Z	119.162	.25
87	MP1A	Mx	0	.25
88	MP1A	X	0	3.75
89	MP1A	Z	119.162	3.75
90	MP1A	Mx	0	3.75
91	MP1B	X	0	.25
92	MP1B	Z	108.101	.25
93	MP1B	Mx	-.078	.25
94	MP1B	X	0	3.75
95	MP1B	Z	108.101	3.75
96	MP1B	Mx	-.078	3.75
97	MP1C	X	0	.25
98	MP1C	Z	108.101	.25
99	MP1C	Mx	.078	.25
100	MP1C	X	0	3.75
101	MP1C	Z	108.101	3.75
102	MP1C	Mx	.078	3.75
103	MP4A	X	0	.25
104	MP4A	Z	119.162	.25
105	MP4A	Mx	0	.25
106	MP4A	X	0	3.75
107	MP4A	Z	119.162	3.75
108	MP4A	Mx	0	3.75
109	MP4B	X	0	.25
110	MP4B	Z	108.101	.25
111	MP4B	Mx	-.078	.25
112	MP4B	X	0	3.75
113	MP4B	Z	108.101	3.75
114	MP4B	Mx	-.078	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	0	.25
116	MP4C	Z	108.101	.25
117	MP4C	Mx	.078	.25
118	MP4C	X	0	3.75
119	MP4C	Z	108.101	3.75
120	MP4C	Mx	.078	3.75
121	M103	X	0	1.5
122	M103	Z	134.456	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-71.647	.5
2	MP2A	Z	124.095	.5
3	MP2A	Mx	.142	.5
4	MP2A	X	-71.647	5
5	MP2A	Z	124.095	5
6	MP2A	Mx	.142	5
7	MP2B	X	-51.75	.5
8	MP2B	Z	89.633	.5
9	MP2B	Mx	-.086	.5
10	MP2B	X	-51.75	5
11	MP2B	Z	89.633	5
12	MP2B	Mx	-.086	5
13	MP2C	X	-71.647	.5
14	MP2C	Z	124.095	.5
15	MP2C	Mx	-.023	.5
16	MP2C	X	-71.647	5
17	MP2C	Z	124.095	5
18	MP2C	Mx	-.023	5
19	MP2A	X	-71.429	.5
20	MP2A	Z	123.718	.5
21	MP2A	Mx	-.023	.5
22	MP2A	X	-71.429	5
23	MP2A	Z	123.718	5
24	MP2A	Mx	-.023	5
25	MP2B	X	-51.75	.5
26	MP2B	Z	89.633	.5
27	MP2B	Mx	-.086	.5
28	MP2B	X	-51.75	5
29	MP2B	Z	89.633	5
30	MP2B	Mx	-.086	5
31	MP2C	X	-71.429	.5
32	MP2C	Z	123.718	.5
33	MP2C	Mx	.142	.5
34	MP2C	X	-71.429	5
35	MP2C	Z	123.718	5
36	MP2C	Mx	.142	5
37	MP3A	X	-38.607	1
38	MP3A	Z	66.869	1
39	MP3A	Mx	.032	1
40	MP3A	X	-38.607	3
41	MP3A	Z	66.869	3
42	MP3A	Mx	.032	3
43	MP3B	X	-17.826	1
44	MP3B	Z	30.876	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	-.03	1
46	MP3B	X	-17.826	3
47	MP3B	Z	30.876	3
48	MP3B	Mx	-.03	3
49	MP3C	X	-38.607	1
50	MP3C	Z	66.869	1
51	MP3C	Mx	.032	1
52	MP3C	X	-38.607	3
53	MP3C	Z	66.869	3
54	MP3C	Mx	.032	3
55	M135	X	-54.815	1.5
56	M135	Z	94.942	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-16.959	.75
59	MP2A	Z	29.374	.75
60	MP2A	Mx	-.008	.75
61	MP2B	X	-9.709	.75
62	MP2B	Z	16.817	.75
63	MP2B	Mx	.01	.75
64	MP2C	X	-16.959	.75
65	MP2C	Z	29.374	.75
66	MP2C	Mx	-.008	.75
67	MP1A	X	-33.23	2
68	MP1A	Z	57.556	2
69	MP1A	Mx	-.017	2
70	MP1B	X	-24.22	2
71	MP1B	Z	41.95	2
72	MP1B	Mx	.024	2
73	MP1C	X	-33.23	2
74	MP1C	Z	57.556	2
75	MP1C	Mx	-.017	2
76	MP2A	X	-32.685	3
77	MP2A	Z	56.612	3
78	MP2A	Mx	.027	3
79	MP2B	X	-22.04	3
80	MP2B	Z	38.175	3
81	MP2B	Mx	-.037	3
82	MP2C	X	-32.685	3
83	MP2C	Z	56.612	3
84	MP2C	Mx	.027	3
85	MP1A	X	-57.737	.25
86	MP1A	Z	100.004	.25
87	MP1A	Mx	.048	.25
88	MP1A	X	-57.737	3.75
89	MP1A	Z	100.004	3.75
90	MP1A	Mx	.048	3.75
91	MP1B	X	-52.207	.25
92	MP1B	Z	90.425	.25
93	MP1B	Mx	-.087	.25
94	MP1B	X	-52.207	3.75
95	MP1B	Z	90.425	3.75
96	MP1B	Mx	-.087	3.75
97	MP1C	X	-57.737	.25
98	MP1C	Z	100.004	.25
99	MP1C	Mx	.048	.25
100	MP1C	X	-57.737	3.75
101	MP1C	Z	100.004	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	.048	3.75
103	MP4A	X	-57.737	.25
104	MP4A	Z	100.004	.25
105	MP4A	Mx	.048	.25
106	MP4A	X	-57.737	3.75
107	MP4A	Z	100.004	3.75
108	MP4A	Mx	.048	3.75
109	MP4B	X	-52.207	.25
110	MP4B	Z	90.425	.25
111	MP4B	Mx	-.087	.25
112	MP4B	X	-52.207	3.75
113	MP4B	Z	90.425	3.75
114	MP4B	Mx	-.087	3.75
115	MP4C	X	-57.737	.25
116	MP4C	Z	100.004	.25
117	MP4C	Mx	.048	.25
118	MP4C	X	-57.737	3.75
119	MP4C	Z	100.004	3.75
120	MP4C	Mx	.048	3.75
121	M103	X	-54.815	1.5
122	M103	Z	94.942	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-101.121	.5
2	MP2A	Z	58.382	.5
3	MP2A	Mx	.123	.5
4	MP2A	X	-101.121	5
5	MP2A	Z	58.382	5
6	MP2A	Mx	.123	5
7	MP2B	X	-101.121	.5
8	MP2B	Z	58.382	.5
9	MP2B	Mx	-.045	.5
10	MP2B	X	-101.121	5
11	MP2B	Z	58.382	5
12	MP2B	Mx	-.045	5
13	MP2C	X	-135.583	.5
14	MP2C	Z	78.279	.5
15	MP2C	Mx	-.104	.5
16	MP2C	X	-135.583	5
17	MP2C	Z	78.279	5
18	MP2C	Mx	-.104	5
19	MP2A	X	-100.995	.5
20	MP2A	Z	58.309	.5
21	MP2A	Mx	.045	.5
22	MP2A	X	-100.995	5
23	MP2A	Z	58.309	5
24	MP2A	Mx	.045	5
25	MP2B	X	-100.995	.5
26	MP2B	Z	58.309	.5
27	MP2B	Mx	-.123	.5
28	MP2B	X	-100.995	5
29	MP2B	Z	58.309	5
30	MP2B	Mx	-.123	5
31	MP2C	X	-135.079	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	77.988	.5
33	MP2C	Mx	.104	.5
34	MP2C	X	-135.079	5
35	MP2C	Z	77.988	5
36	MP2C	Mx	.104	5
37	MP3A	X	-42.874	1
38	MP3A	Z	24.753	1
39	MP3A	Mx	.036	1
40	MP3A	X	-42.874	3
41	MP3A	Z	24.753	3
42	MP3A	Mx	.036	3
43	MP3B	X	-42.874	1
44	MP3B	Z	24.753	1
45	MP3B	Mx	-.036	1
46	MP3B	X	-42.874	3
47	MP3B	Z	24.753	3
48	MP3B	Mx	-.036	3
49	MP3C	X	-78.866	1
50	MP3C	Z	45.533	1
51	MP3C	Mx	0	1
52	MP3C	X	-78.866	3
53	MP3C	Z	45.533	3
54	MP3C	Mx	0	3
55	M135	X	-84.192	1.5
56	M135	Z	48.608	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-21.002	.75
59	MP2A	Z	12.126	.75
60	MP2A	Mx	-.011	.75
61	MP2B	X	-21.002	.75
62	MP2B	Z	12.126	.75
63	MP2B	Mx	.011	.75
64	MP2C	X	-33.56	.75
65	MP2C	Z	19.376	.75
66	MP2C	Mx	0	.75
67	MP1A	X	-47.152	2
68	MP1A	Z	27.223	2
69	MP1A	Mx	-.024	2
70	MP1B	X	-47.152	2
71	MP1B	Z	27.223	2
72	MP1B	Mx	.024	2
73	MP1C	X	-62.757	2
74	MP1C	Z	36.233	2
75	MP1C	Mx	0	2
76	MP2A	X	-44.32	3
77	MP2A	Z	25.588	3
78	MP2A	Mx	.037	3
79	MP2B	X	-44.32	3
80	MP2B	Z	25.588	3
81	MP2B	Mx	-.037	3
82	MP2C	X	-62.757	3
83	MP2C	Z	36.233	3
84	MP2C	Mx	0	3
85	MP1A	X	-93.618	.25
86	MP1A	Z	54.05	.25
87	MP1A	Mx	.078	.25
88	MP1A	X	-93.618	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	54.05	3.75
90	MP1A	Mx	.078	3.75
91	MP1B	X	-93.618	.25
92	MP1B	Z	54.05	.25
93	MP1B	Mx	-.078	.25
94	MP1B	X	-93.618	3.75
95	MP1B	Z	54.05	3.75
96	MP1B	Mx	-.078	3.75
97	MP1C	X	-103.197	.25
98	MP1C	Z	59.581	.25
99	MP1C	Mx	0	.25
100	MP1C	X	-103.197	3.75
101	MP1C	Z	59.581	3.75
102	MP1C	Mx	0	3.75
103	MP4A	X	-93.618	.25
104	MP4A	Z	54.05	.25
105	MP4A	Mx	.078	.25
106	MP4A	X	-93.618	3.75
107	MP4A	Z	54.05	3.75
108	MP4A	Mx	.078	3.75
109	MP4B	X	-93.618	.25
110	MP4B	Z	54.05	.25
111	MP4B	Mx	-.078	.25
112	MP4B	X	-93.618	3.75
113	MP4B	Z	54.05	3.75
114	MP4B	Mx	-.078	3.75
115	MP4C	X	-103.197	.25
116	MP4C	Z	59.581	.25
117	MP4C	Mx	0	.25
118	MP4C	X	-103.197	3.75
119	MP4C	Z	59.581	3.75
120	MP4C	Mx	0	3.75
121	M103	X	-84.192	1.5
122	M103	Z	48.608	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-103.5	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.086	.5
4	MP2A	X	-103.5	5
5	MP2A	Z	0	5
6	MP2A	Mx	.086	5
7	MP2B	X	-143.293	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.023	.5
10	MP2B	X	-143.293	5
11	MP2B	Z	0	5
12	MP2B	Mx	.023	5
13	MP2C	X	-143.293	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.142	.5
16	MP2C	X	-143.293	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.142	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	-103.5	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.086	.5
22	MP2A	X	-103.5	5
23	MP2A	Z	0	5
24	MP2A	Mx	.086	5
25	MP2B	X	-142.857	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.142	.5
28	MP2B	X	-142.857	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.142	5
31	MP2C	X	-142.857	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.023	.5
34	MP2C	X	-142.857	5
35	MP2C	Z	0	5
36	MP2C	Mx	.023	5
37	MP3A	X	-35.653	1
38	MP3A	Z	0	1
39	MP3A	Mx	.03	1
40	MP3A	X	-35.653	3
41	MP3A	Z	0	3
42	MP3A	Mx	.03	3
43	MP3B	X	-77.213	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.032	1
46	MP3B	X	-77.213	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.032	3
49	MP3C	X	-77.213	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.032	1
52	MP3C	X	-77.213	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.032	3
55	M135	X	-109.629	1.5
56	M135	Z	0	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-19.418	.75
59	MP2A	Z	0	.75
60	MP2A	Mx	-.01	.75
61	MP2B	X	-33.918	.75
62	MP2B	Z	0	.75
63	MP2B	Mx	.008	.75
64	MP2C	X	-33.918	.75
65	MP2C	Z	0	.75
66	MP2C	Mx	.008	.75
67	MP1A	X	-48.44	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.024	2
70	MP1B	X	-66.459	2
71	MP1B	Z	0	2
72	MP1B	Mx	.017	2
73	MP1C	X	-66.459	2
74	MP1C	Z	0	2
75	MP1C	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2A	X	-44.08	3
77	MP2A	Z	0	3
78	MP2A	Mx	.037	3
79	MP2B	X	-65.37	3
80	MP2B	Z	0	3
81	MP2B	Mx	-.027	3
82	MP2C	X	-65.37	3
83	MP2C	Z	0	3
84	MP2C	Mx	-.027	3
85	MP1A	X	-104.413	.25
86	MP1A	Z	0	.25
87	MP1A	Mx	.087	.25
88	MP1A	X	-104.413	3.75
89	MP1A	Z	0	3.75
90	MP1A	Mx	.087	3.75
91	MP1B	X	-115.475	.25
92	MP1B	Z	0	.25
93	MP1B	Mx	-.048	.25
94	MP1B	X	-115.475	3.75
95	MP1B	Z	0	3.75
96	MP1B	Mx	-.048	3.75
97	MP1C	X	-115.475	.25
98	MP1C	Z	0	.25
99	MP1C	Mx	-.048	.25
100	MP1C	X	-115.475	3.75
101	MP1C	Z	0	3.75
102	MP1C	Mx	-.048	3.75
103	MP4A	X	-104.413	.25
104	MP4A	Z	0	.25
105	MP4A	Mx	.087	.25
106	MP4A	X	-104.413	3.75
107	MP4A	Z	0	3.75
108	MP4A	Mx	.087	3.75
109	MP4B	X	-115.475	.25
110	MP4B	Z	0	.25
111	MP4B	Mx	-.048	.25
112	MP4B	X	-115.475	3.75
113	MP4B	Z	0	3.75
114	MP4B	Mx	-.048	3.75
115	MP4C	X	-115.475	.25
116	MP4C	Z	0	.25
117	MP4C	Mx	-.048	.25
118	MP4C	X	-115.475	3.75
119	MP4C	Z	0	3.75
120	MP4C	Mx	-.048	3.75
121	M103	X	-109.629	1.5
122	M103	Z	0	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-101.121	.5
2	MP2A	Z	-58.382	.5
3	MP2A	Mx	.045	.5
4	MP2A	X	-101.121	5
5	MP2A	Z	-58.382	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.045	5
7	MP2B	X	-135.583	.5
8	MP2B	Z	-78.279	.5
9	MP2B	Mx	.104	.5
10	MP2B	X	-135.583	5
11	MP2B	Z	-78.279	5
12	MP2B	Mx	.104	5
13	MP2C	X	-101.121	.5
14	MP2C	Z	-58.382	.5
15	MP2C	Mx	-.123	.5
16	MP2C	X	-101.121	5
17	MP2C	Z	-58.382	5
18	MP2C	Mx	-.123	5
19	MP2A	X	-100.995	.5
20	MP2A	Z	-58.309	.5
21	MP2A	Mx	.123	.5
22	MP2A	X	-100.995	5
23	MP2A	Z	-58.309	5
24	MP2A	Mx	.123	5
25	MP2B	X	-135.079	.5
26	MP2B	Z	-77.988	.5
27	MP2B	Mx	-.104	.5
28	MP2B	X	-135.079	5
29	MP2B	Z	-77.988	5
30	MP2B	Mx	-.104	5
31	MP2C	X	-100.995	.5
32	MP2C	Z	-58.309	.5
33	MP2C	Mx	-.045	.5
34	MP2C	X	-100.995	5
35	MP2C	Z	-58.309	5
36	MP2C	Mx	-.045	5
37	MP3A	X	-42.874	1
38	MP3A	Z	-24.753	1
39	MP3A	Mx	.036	1
40	MP3A	X	-42.874	3
41	MP3A	Z	-24.753	3
42	MP3A	Mx	.036	3
43	MP3B	X	-78.866	1
44	MP3B	Z	-45.533	1
45	MP3B	Mx	0	1
46	MP3B	X	-78.866	3
47	MP3B	Z	-45.533	3
48	MP3B	Mx	0	3
49	MP3C	X	-42.874	1
50	MP3C	Z	-24.753	1
51	MP3C	Mx	-.036	1
52	MP3C	X	-42.874	3
53	MP3C	Z	-24.753	3
54	MP3C	Mx	-.036	3
55	M135	X	-116.442	1.5
56	M135	Z	-67.228	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-21.002	.75
59	MP2A	Z	-12.126	.75
60	MP2A	Mx	-.011	.75
61	MP2B	X	-33.56	.75
62	MP2B	Z	-19.376	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	0	.75
64	MP2C	X	-21.002	.75
65	MP2C	Z	-12.126	.75
66	MP2C	Mx	.011	.75
67	MP1A	X	-47.152	2
68	MP1A	Z	-27.223	2
69	MP1A	Mx	-.024	2
70	MP1B	X	-62.757	2
71	MP1B	Z	-36.233	2
72	MP1B	Mx	0	2
73	MP1C	X	-47.152	2
74	MP1C	Z	-27.223	2
75	MP1C	Mx	.024	2
76	MP2A	X	-44.32	3
77	MP2A	Z	-25.588	3
78	MP2A	Mx	.037	3
79	MP2B	X	-62.757	3
80	MP2B	Z	-36.233	3
81	MP2B	Mx	0	3
82	MP2C	X	-44.32	3
83	MP2C	Z	-25.588	3
84	MP2C	Mx	-.037	3
85	MP1A	X	-93.618	.25
86	MP1A	Z	-54.05	.25
87	MP1A	Mx	.078	.25
88	MP1A	X	-93.618	3.75
89	MP1A	Z	-54.05	3.75
90	MP1A	Mx	.078	3.75
91	MP1B	X	-103.197	.25
92	MP1B	Z	-59.581	.25
93	MP1B	Mx	0	.25
94	MP1B	X	-103.197	3.75
95	MP1B	Z	-59.581	3.75
96	MP1B	Mx	0	3.75
97	MP1C	X	-93.618	.25
98	MP1C	Z	-54.05	.25
99	MP1C	Mx	-.078	.25
100	MP1C	X	-93.618	3.75
101	MP1C	Z	-54.05	3.75
102	MP1C	Mx	-.078	3.75
103	MP4A	X	-93.618	.25
104	MP4A	Z	-54.05	.25
105	MP4A	Mx	.078	.25
106	MP4A	X	-93.618	3.75
107	MP4A	Z	-54.05	3.75
108	MP4A	Mx	.078	3.75
109	MP4B	X	-103.197	.25
110	MP4B	Z	-59.581	.25
111	MP4B	Mx	0	.25
112	MP4B	X	-103.197	3.75
113	MP4B	Z	-59.581	3.75
114	MP4B	Mx	0	3.75
115	MP4C	X	-93.618	.25
116	MP4C	Z	-54.05	.25
117	MP4C	Mx	-.078	.25
118	MP4C	X	-93.618	3.75
119	MP4C	Z	-54.05	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mx	-.078	3.75
121	M103	X	-116.442	1.5
122	M103	Z	-67.228	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-71.647	.5
2	MP2A	Z	-124.095	.5
3	MP2A	Mx	-.023	.5
4	MP2A	X	-71.647	5
5	MP2A	Z	-124.095	5
6	MP2A	Mx	-.023	5
7	MP2B	X	-71.647	.5
8	MP2B	Z	-124.095	.5
9	MP2B	Mx	.142	.5
10	MP2B	X	-71.647	5
11	MP2B	Z	-124.095	5
12	MP2B	Mx	.142	5
13	MP2C	X	-51.75	.5
14	MP2C	Z	-89.633	.5
15	MP2C	Mx	-.086	.5
16	MP2C	X	-51.75	5
17	MP2C	Z	-89.633	5
18	MP2C	Mx	-.086	5
19	MP2A	X	-71.429	.5
20	MP2A	Z	-123.718	.5
21	MP2A	Mx	.142	.5
22	MP2A	X	-71.429	5
23	MP2A	Z	-123.718	5
24	MP2A	Mx	.142	5
25	MP2B	X	-71.429	.5
26	MP2B	Z	-123.718	.5
27	MP2B	Mx	-.023	.5
28	MP2B	X	-71.429	5
29	MP2B	Z	-123.718	5
30	MP2B	Mx	-.023	5
31	MP2C	X	-51.75	.5
32	MP2C	Z	-89.633	.5
33	MP2C	Mx	-.086	.5
34	MP2C	X	-51.75	5
35	MP2C	Z	-89.633	5
36	MP2C	Mx	-.086	5
37	MP3A	X	-38.607	1
38	MP3A	Z	-66.869	1
39	MP3A	Mx	.032	1
40	MP3A	X	-38.607	3
41	MP3A	Z	-66.869	3
42	MP3A	Mx	.032	3
43	MP3B	X	-38.607	1
44	MP3B	Z	-66.869	1
45	MP3B	Mx	.032	1
46	MP3B	X	-38.607	3
47	MP3B	Z	-66.869	3
48	MP3B	Mx	.032	3
49	MP3C	X	-17.826	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	-30.876	1
51	MP3C	Mx	-.03	1
52	MP3C	X	-17.826	3
53	MP3C	Z	-30.876	3
54	MP3C	Mx	-.03	3
55	M135	X	-73.435	1.5
56	M135	Z	-127.193	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-16.959	.75
59	MP2A	Z	-29.374	.75
60	MP2A	Mx	-.008	.75
61	MP2B	X	-16.959	.75
62	MP2B	Z	-29.374	.75
63	MP2B	Mx	-.008	.75
64	MP2C	X	-9.709	.75
65	MP2C	Z	-16.817	.75
66	MP2C	Mx	.01	.75
67	MP1A	X	-33.23	2
68	MP1A	Z	-57.556	2
69	MP1A	Mx	-.017	2
70	MP1B	X	-33.23	2
71	MP1B	Z	-57.556	2
72	MP1B	Mx	-.017	2
73	MP1C	X	-24.22	2
74	MP1C	Z	-41.95	2
75	MP1C	Mx	.024	2
76	MP2A	X	-32.685	3
77	MP2A	Z	-56.612	3
78	MP2A	Mx	.027	3
79	MP2B	X	-32.685	3
80	MP2B	Z	-56.612	3
81	MP2B	Mx	.027	3
82	MP2C	X	-22.04	3
83	MP2C	Z	-38.175	3
84	MP2C	Mx	-.037	3
85	MP1A	X	-57.737	.25
86	MP1A	Z	-100.004	.25
87	MP1A	Mx	.048	.25
88	MP1A	X	-57.737	3.75
89	MP1A	Z	-100.004	3.75
90	MP1A	Mx	.048	3.75
91	MP1B	X	-57.737	.25
92	MP1B	Z	-100.004	.25
93	MP1B	Mx	.048	.25
94	MP1B	X	-57.737	3.75
95	MP1B	Z	-100.004	3.75
96	MP1B	Mx	.048	3.75
97	MP1C	X	-52.207	.25
98	MP1C	Z	-90.425	.25
99	MP1C	Mx	-.087	.25
100	MP1C	X	-52.207	3.75
101	MP1C	Z	-90.425	3.75
102	MP1C	Mx	-.087	3.75
103	MP4A	X	-57.737	.25
104	MP4A	Z	-100.004	.25
105	MP4A	Mx	.048	.25
106	MP4A	X	-57.737	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4A	Z	-100.004	3.75
108	MP4A	Mx	.048	3.75
109	MP4B	X	-57.737	.25
110	MP4B	Z	-100.004	.25
111	MP4B	Mx	.048	.25
112	MP4B	X	-57.737	3.75
113	MP4B	Z	-100.004	3.75
114	MP4B	Mx	.048	3.75
115	MP4C	X	-52.207	.25
116	MP4C	Z	-90.425	.25
117	MP4C	Mx	-.087	.25
118	MP4C	X	-52.207	3.75
119	MP4C	Z	-90.425	3.75
120	MP4C	Mx	-.087	3.75
121	M103	X	-73.435	1.5
122	M103	Z	-127.193	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-31.893	.5
3	MP2A	Mx	-.021	.5
4	MP2A	X	0	5
5	MP2A	Z	-31.893	5
6	MP2A	Mx	-.021	5
7	MP2B	X	0	.5
8	MP2B	Z	-24.765	.5
9	MP2B	Mx	.026	.5
10	MP2B	X	0	5
11	MP2B	Z	-24.765	5
12	MP2B	Mx	.026	5
13	MP2C	X	0	.5
14	MP2C	Z	-24.765	.5
15	MP2C	Mx	-.01	.5
16	MP2C	X	0	5
17	MP2C	Z	-24.765	5
18	MP2C	Mx	-.01	5
19	MP2A	X	0	.5
20	MP2A	Z	-31.893	.5
21	MP2A	Mx	.021	.5
22	MP2A	X	0	5
23	MP2A	Z	-31.893	5
24	MP2A	Mx	.021	5
25	MP2B	X	0	.5
26	MP2B	Z	-24.765	.5
27	MP2B	Mx	.01	.5
28	MP2B	X	0	5
29	MP2B	Z	-24.765	5
30	MP2B	Mx	.01	5
31	MP2C	X	0	.5
32	MP2C	Z	-24.765	.5
33	MP2C	Mx	-.026	.5
34	MP2C	X	0	5
35	MP2C	Z	-24.765	5
36	MP2C	Mx	-.026	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	0	1
38	MP3A	Z	-19.165	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-19.165	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-11.154	1
45	MP3B	Mx	.008	1
46	MP3B	X	0	3
47	MP3B	Z	-11.154	3
48	MP3B	Mx	.008	3
49	MP3C	X	0	1
50	MP3C	Z	-11.154	1
51	MP3C	Mx	-.008	1
52	MP3C	X	0	3
53	MP3C	Z	-11.154	3
54	MP3C	Mx	-.008	3
55	M135	X	0	1.5
56	M135	Z	-28.865	1.5
57	M135	Mx	0	1.5
58	MP2A	X	0	.75
59	MP2A	Z	-9.713	.75
60	MP2A	Mx	0	.75
61	MP2B	X	0	.75
62	MP2B	Z	-6.728	.75
63	MP2B	Mx	-.003	.75
64	MP2C	X	0	.75
65	MP2C	Z	-6.728	.75
66	MP2C	Mx	.003	.75
67	MP1A	X	0	2
68	MP1A	Z	-16.565	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	-12.938	2
72	MP1B	Mx	-.006	2
73	MP1C	X	0	2
74	MP1C	Z	-12.938	2
75	MP1C	Mx	.006	2
76	MP2A	X	0	3
77	MP2A	Z	-16.565	3
78	MP2A	Mx	0	3
79	MP2B	X	0	3
80	MP2B	Z	-12.285	3
81	MP2B	Mx	.009	3
82	MP2C	X	0	3
83	MP2C	Z	-12.285	3
84	MP2C	Mx	-.009	3
85	MP1A	X	0	.25
86	MP1A	Z	-24.438	.25
87	MP1A	Mx	0	.25
88	MP1A	X	0	3.75
89	MP1A	Z	-24.438	3.75
90	MP1A	Mx	0	3.75
91	MP1B	X	0	.25
92	MP1B	Z	-22.403	.25
93	MP1B	Mx	.016	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1B	X	0	3.75
95	MP1B	Z	-22.403	3.75
96	MP1B	Mx	.016	3.75
97	MP1C	X	0	.25
98	MP1C	Z	-22.403	.25
99	MP1C	Mx	-.016	.25
100	MP1C	X	0	3.75
101	MP1C	Z	-22.403	3.75
102	MP1C	Mx	-.016	3.75
103	MP4A	X	0	.25
104	MP4A	Z	-24.438	.25
105	MP4A	Mx	0	.25
106	MP4A	X	0	3.75
107	MP4A	Z	-24.438	3.75
108	MP4A	Mx	0	3.75
109	MP4B	X	0	.25
110	MP4B	Z	-22.403	.25
111	MP4B	Mx	.016	.25
112	MP4B	X	0	3.75
113	MP4B	Z	-22.403	3.75
114	MP4B	Mx	.016	3.75
115	MP4C	X	0	.25
116	MP4C	Z	-22.403	.25
117	MP4C	Mx	-.016	.25
118	MP4C	X	0	3.75
119	MP4C	Z	-22.403	3.75
120	MP4C	Mx	-.016	3.75
121	M103	X	0	1.5
122	M103	Z	-28.865	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	14.758	.5
2	MP2A	Z	-25.562	.5
3	MP2A	Mx	-.029	.5
4	MP2A	X	14.758	5
5	MP2A	Z	-25.562	5
6	MP2A	Mx	-.029	5
7	MP2B	X	11.195	.5
8	MP2B	Z	-19.39	.5
9	MP2B	Mx	.019	.5
10	MP2B	X	11.195	5
11	MP2B	Z	-19.39	5
12	MP2B	Mx	.019	5
13	MP2C	X	14.758	.5
14	MP2C	Z	-25.562	.5
15	MP2C	Mx	.005	.5
16	MP2C	X	14.758	5
17	MP2C	Z	-25.562	5
18	MP2C	Mx	.005	5
19	MP2A	X	14.758	.5
20	MP2A	Z	-25.562	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	14.758	5
23	MP2A	Z	-25.562	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.005	5
25	MP2B	X	11.195	.5
26	MP2B	Z	-19.39	.5
27	MP2B	Mx	.019	.5
28	MP2B	X	11.195	5
29	MP2B	Z	-19.39	5
30	MP2B	Mx	.019	5
31	MP2C	X	14.758	.5
32	MP2C	Z	-25.562	.5
33	MP2C	Mx	-.029	.5
34	MP2C	X	14.758	5
35	MP2C	Z	-25.562	5
36	MP2C	Mx	-.029	5
37	MP3A	X	8.247	1
38	MP3A	Z	-14.285	1
39	MP3A	Mx	-.007	1
40	MP3A	X	8.247	3
41	MP3A	Z	-14.285	3
42	MP3A	Mx	-.007	3
43	MP3B	X	4.242	1
44	MP3B	Z	-7.347	1
45	MP3B	Mx	.007	1
46	MP3B	X	4.242	3
47	MP3B	Z	-7.347	3
48	MP3B	Mx	.007	3
49	MP3C	X	8.247	1
50	MP3C	Z	-14.285	1
51	MP3C	Mx	-.007	1
52	MP3C	X	8.247	3
53	MP3C	Z	-14.285	3
54	MP3C	Mx	-.007	3
55	M135	X	12.057	1.5
56	M135	Z	-20.883	1.5
57	M135	Mx	0	1.5
58	MP2A	X	4.359	.75
59	MP2A	Z	-7.55	.75
60	MP2A	Mx	.002	.75
61	MP2B	X	2.866	.75
62	MP2B	Z	-4.965	.75
63	MP2B	Mx	-.003	.75
64	MP2C	X	4.359	.75
65	MP2C	Z	-7.55	.75
66	MP2C	Mx	.002	.75
67	MP1A	X	7.678	2
68	MP1A	Z	-13.299	2
69	MP1A	Mx	.004	2
70	MP1B	X	5.865	2
71	MP1B	Z	-10.158	2
72	MP1B	Mx	-.006	2
73	MP1C	X	7.678	2
74	MP1C	Z	-13.299	2
75	MP1C	Mx	.004	2
76	MP2A	X	7.569	3
77	MP2A	Z	-13.11	3
78	MP2A	Mx	-.006	3
79	MP2B	X	5.429	3
80	MP2B	Z	-9.404	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	.009	3
82	MP2C	X	7.569	3
83	MP2C	Z	-13.11	3
84	MP2C	Mx	-.006	3
85	MP1A	X	11.88	.25
86	MP1A	Z	-20.576	.25
87	MP1A	Mx	-.01	.25
88	MP1A	X	11.88	3.75
89	MP1A	Z	-20.576	3.75
90	MP1A	Mx	-.01	3.75
91	MP1B	X	10.863	.25
92	MP1B	Z	-18.815	.25
93	MP1B	Mx	.018	.25
94	MP1B	X	10.863	3.75
95	MP1B	Z	-18.815	3.75
96	MP1B	Mx	.018	3.75
97	MP1C	X	11.88	.25
98	MP1C	Z	-20.576	.25
99	MP1C	Mx	-.01	.25
100	MP1C	X	11.88	3.75
101	MP1C	Z	-20.576	3.75
102	MP1C	Mx	-.01	3.75
103	MP4A	X	11.88	.25
104	MP4A	Z	-20.576	.25
105	MP4A	Mx	-.01	.25
106	MP4A	X	11.88	3.75
107	MP4A	Z	-20.576	3.75
108	MP4A	Mx	-.01	3.75
109	MP4B	X	10.863	.25
110	MP4B	Z	-18.815	.25
111	MP4B	Mx	.018	.25
112	MP4B	X	10.863	3.75
113	MP4B	Z	-18.815	3.75
114	MP4B	Mx	.018	3.75
115	MP4C	X	11.88	.25
116	MP4C	Z	-20.576	.25
117	MP4C	Mx	-.01	.25
118	MP4C	X	11.88	3.75
119	MP4C	Z	-20.576	3.75
120	MP4C	Mx	-.01	3.75
121	M103	X	12.057	1.5
122	M103	Z	-20.883	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.447	.5
2	MP2A	Z	-12.383	.5
3	MP2A	Mx	-.026	.5
4	MP2A	X	21.447	5
5	MP2A	Z	-12.383	5
6	MP2A	Mx	-.026	5
7	MP2B	X	21.447	.5
8	MP2B	Z	-12.383	.5
9	MP2B	Mx	.01	.5
10	MP2B	X	21.447	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-12.383	5
12	MP2B	Mx	.01	5
13	MP2C	X	27.62	.5
14	MP2C	Z	-15.946	.5
15	MP2C	Mx	.021	.5
16	MP2C	X	27.62	5
17	MP2C	Z	-15.946	5
18	MP2C	Mx	.021	5
19	MP2A	X	21.447	.5
20	MP2A	Z	-12.383	.5
21	MP2A	Mx	-.01	.5
22	MP2A	X	21.447	5
23	MP2A	Z	-12.383	5
24	MP2A	Mx	-.01	5
25	MP2B	X	21.447	.5
26	MP2B	Z	-12.383	.5
27	MP2B	Mx	.026	.5
28	MP2B	X	21.447	5
29	MP2B	Z	-12.383	5
30	MP2B	Mx	.026	5
31	MP2C	X	27.62	.5
32	MP2C	Z	-15.946	.5
33	MP2C	Mx	-.021	.5
34	MP2C	X	27.62	5
35	MP2C	Z	-15.946	5
36	MP2C	Mx	-.021	5
37	MP3A	X	9.66	1
38	MP3A	Z	-5.577	1
39	MP3A	Mx	-.008	1
40	MP3A	X	9.66	3
41	MP3A	Z	-5.577	3
42	MP3A	Mx	-.008	3
43	MP3B	X	9.66	1
44	MP3B	Z	-5.577	1
45	MP3B	Mx	.008	1
46	MP3B	X	9.66	3
47	MP3B	Z	-5.577	3
48	MP3B	Mx	.008	3
49	MP3C	X	16.597	1
50	MP3C	Z	-9.582	1
51	MP3C	Mx	0	1
52	MP3C	X	16.597	3
53	MP3C	Z	-9.582	3
54	MP3C	Mx	0	3
55	M135	X	18.826	1.5
56	M135	Z	-10.869	1.5
57	M135	Mx	0	1.5
58	MP2A	X	5.827	.75
59	MP2A	Z	-3.364	.75
60	MP2A	Mx	.003	.75
61	MP2B	X	5.827	.75
62	MP2B	Z	-3.364	.75
63	MP2B	Mx	-.003	.75
64	MP2C	X	8.411	.75
65	MP2C	Z	-4.856	.75
66	MP2C	Mx	0	.75
67	MP1A	X	11.205	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1A	Z	-6.469	2
69	MP1A	Mx	.006	2
70	MP1B	X	11.205	2
71	MP1B	Z	-6.469	2
72	MP1B	Mx	-.006	2
73	MP1C	X	14.346	2
74	MP1C	Z	-8.283	2
75	MP1C	Mx	0	2
76	MP2A	X	10.639	3
77	MP2A	Z	-6.143	3
78	MP2A	Mx	-.009	3
79	MP2B	X	10.639	3
80	MP2B	Z	-6.143	3
81	MP2B	Mx	.009	3
82	MP2C	X	14.346	3
83	MP2C	Z	-8.283	3
84	MP2C	Mx	0	3
85	MP1A	X	19.402	.25
86	MP1A	Z	-11.202	.25
87	MP1A	Mx	-.016	.25
88	MP1A	X	19.402	3.75
89	MP1A	Z	-11.202	3.75
90	MP1A	Mx	-.016	3.75
91	MP1B	X	19.402	.25
92	MP1B	Z	-11.202	.25
93	MP1B	Mx	.016	.25
94	MP1B	X	19.402	3.75
95	MP1B	Z	-11.202	3.75
96	MP1B	Mx	.016	3.75
97	MP1C	X	21.164	.25
98	MP1C	Z	-12.219	.25
99	MP1C	Mx	0	.25
100	MP1C	X	21.164	3.75
101	MP1C	Z	-12.219	3.75
102	MP1C	Mx	0	3.75
103	MP4A	X	19.402	.25
104	MP4A	Z	-11.202	.25
105	MP4A	Mx	-.016	.25
106	MP4A	X	19.402	3.75
107	MP4A	Z	-11.202	3.75
108	MP4A	Mx	-.016	3.75
109	MP4B	X	19.402	.25
110	MP4B	Z	-11.202	.25
111	MP4B	Mx	.016	.25
112	MP4B	X	19.402	3.75
113	MP4B	Z	-11.202	3.75
114	MP4B	Mx	.016	3.75
115	MP4C	X	21.164	.25
116	MP4C	Z	-12.219	.25
117	MP4C	Mx	0	.25
118	MP4C	X	21.164	3.75
119	MP4C	Z	-12.219	3.75
120	MP4C	Mx	0	3.75
121	M103	X	18.826	1.5
122	M103	Z	-10.869	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.389	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.019	.5
4	MP2A	X	22.389	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.019	5
7	MP2B	X	29.517	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.005	.5
10	MP2B	X	29.517	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.005	5
13	MP2C	X	29.517	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.029	.5
16	MP2C	X	29.517	5
17	MP2C	Z	0	5
18	MP2C	Mx	.029	5
19	MP2A	X	22.389	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.019	.5
22	MP2A	X	22.389	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.019	5
25	MP2B	X	29.517	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.029	.5
28	MP2B	X	29.517	5
29	MP2B	Z	0	5
30	MP2B	Mx	.029	5
31	MP2C	X	29.517	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	29.517	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.005	5
37	MP3A	X	8.484	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.007	1
40	MP3A	X	8.484	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.007	3
43	MP3B	X	16.495	1
44	MP3B	Z	0	1
45	MP3B	Mx	.007	1
46	MP3B	X	16.495	3
47	MP3B	Z	0	3
48	MP3B	Mx	.007	3
49	MP3C	X	16.495	1
50	MP3C	Z	0	1
51	MP3C	Mx	.007	1
52	MP3C	X	16.495	3
53	MP3C	Z	0	3
54	MP3C	Mx	.007	3
55	M135	X	24.114	1.5
56	M135	Z	0	1.5
57	M135	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	5.733	.75
59	MP2A	Z	0	.75
60	MP2A	Mx	.003	.75
61	MP2B	X	8.718	.75
62	MP2B	Z	0	.75
63	MP2B	Mx	-.002	.75
64	MP2C	X	8.718	.75
65	MP2C	Z	0	.75
66	MP2C	Mx	-.002	.75
67	MP1A	X	11.729	2
68	MP1A	Z	0	2
69	MP1A	Mx	.006	2
70	MP1B	X	15.356	2
71	MP1B	Z	0	2
72	MP1B	Mx	-.004	2
73	MP1C	X	15.356	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.004	2
76	MP2A	X	10.859	3
77	MP2A	Z	0	3
78	MP2A	Mx	-.009	3
79	MP2B	X	15.138	3
80	MP2B	Z	0	3
81	MP2B	Mx	.006	3
82	MP2C	X	15.138	3
83	MP2C	Z	0	3
84	MP2C	Mx	.006	3
85	MP1A	X	21.725	.25
86	MP1A	Z	0	.25
87	MP1A	Mx	-.018	.25
88	MP1A	X	21.725	3.75
89	MP1A	Z	0	3.75
90	MP1A	Mx	-.018	3.75
91	MP1B	X	23.76	.25
92	MP1B	Z	0	.25
93	MP1B	Mx	.01	.25
94	MP1B	X	23.76	3.75
95	MP1B	Z	0	3.75
96	MP1B	Mx	.01	3.75
97	MP1C	X	23.76	.25
98	MP1C	Z	0	.25
99	MP1C	Mx	.01	.25
100	MP1C	X	23.76	3.75
101	MP1C	Z	0	3.75
102	MP1C	Mx	.01	3.75
103	MP4A	X	21.725	.25
104	MP4A	Z	0	.25
105	MP4A	Mx	-.018	.25
106	MP4A	X	21.725	3.75
107	MP4A	Z	0	3.75
108	MP4A	Mx	-.018	3.75
109	MP4B	X	23.76	.25
110	MP4B	Z	0	.25
111	MP4B	Mx	.01	.25
112	MP4B	X	23.76	3.75
113	MP4B	Z	0	3.75
114	MP4B	Mx	.01	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	23.76	.25
116	MP4C	Z	0	.25
117	MP4C	Mx	.01	.25
118	MP4C	X	23.76	3.75
119	MP4C	Z	0	3.75
120	MP4C	Mx	.01	3.75
121	M103	X	24.114	1.5
122	M103	Z	0	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.447	.5
2	MP2A	Z	12.383	.5
3	MP2A	Mx	-.01	.5
4	MP2A	X	21.447	5
5	MP2A	Z	12.383	5
6	MP2A	Mx	-.01	5
7	MP2B	X	27.62	.5
8	MP2B	Z	15.946	.5
9	MP2B	Mx	-.021	.5
10	MP2B	X	27.62	5
11	MP2B	Z	15.946	5
12	MP2B	Mx	-.021	5
13	MP2C	X	21.447	.5
14	MP2C	Z	12.383	.5
15	MP2C	Mx	.026	.5
16	MP2C	X	21.447	5
17	MP2C	Z	12.383	5
18	MP2C	Mx	.026	5
19	MP2A	X	21.447	.5
20	MP2A	Z	12.383	.5
21	MP2A	Mx	-.026	.5
22	MP2A	X	21.447	5
23	MP2A	Z	12.383	5
24	MP2A	Mx	-.026	5
25	MP2B	X	27.62	.5
26	MP2B	Z	15.946	.5
27	MP2B	Mx	.021	.5
28	MP2B	X	27.62	5
29	MP2B	Z	15.946	5
30	MP2B	Mx	.021	5
31	MP2C	X	21.447	.5
32	MP2C	Z	12.383	.5
33	MP2C	Mx	.01	.5
34	MP2C	X	21.447	5
35	MP2C	Z	12.383	5
36	MP2C	Mx	.01	5
37	MP3A	X	9.66	1
38	MP3A	Z	5.577	1
39	MP3A	Mx	-.008	1
40	MP3A	X	9.66	3
41	MP3A	Z	5.577	3
42	MP3A	Mx	-.008	3
43	MP3B	X	16.597	1
44	MP3B	Z	9.582	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	0	1
46	MP3B	X	16.597	3
47	MP3B	Z	9.582	3
48	MP3B	Mx	0	3
49	MP3C	X	9.66	1
50	MP3C	Z	5.577	1
51	MP3C	Mx	.008	1
52	MP3C	X	9.66	3
53	MP3C	Z	5.577	3
54	MP3C	Mx	.008	3
55	M135	X	24.998	1.5
56	M135	Z	14.433	1.5
57	M135	Mx	0	1.5
58	MP2A	X	5.827	.75
59	MP2A	Z	3.364	.75
60	MP2A	Mx	.003	.75
61	MP2B	X	8.411	.75
62	MP2B	Z	4.856	.75
63	MP2B	Mx	0	.75
64	MP2C	X	5.827	.75
65	MP2C	Z	3.364	.75
66	MP2C	Mx	-.003	.75
67	MP1A	X	11.205	2
68	MP1A	Z	6.469	2
69	MP1A	Mx	.006	2
70	MP1B	X	14.346	2
71	MP1B	Z	8.283	2
72	MP1B	Mx	0	2
73	MP1C	X	11.205	2
74	MP1C	Z	6.469	2
75	MP1C	Mx	-.006	2
76	MP2A	X	10.639	3
77	MP2A	Z	6.143	3
78	MP2A	Mx	-.009	3
79	MP2B	X	14.346	3
80	MP2B	Z	8.283	3
81	MP2B	Mx	0	3
82	MP2C	X	10.639	3
83	MP2C	Z	6.143	3
84	MP2C	Mx	.009	3
85	MP1A	X	19.402	.25
86	MP1A	Z	11.202	.25
87	MP1A	Mx	-.016	.25
88	MP1A	X	19.402	3.75
89	MP1A	Z	11.202	3.75
90	MP1A	Mx	-.016	3.75
91	MP1B	X	21.164	.25
92	MP1B	Z	12.219	.25
93	MP1B	Mx	0	.25
94	MP1B	X	21.164	3.75
95	MP1B	Z	12.219	3.75
96	MP1B	Mx	0	3.75
97	MP1C	X	19.402	.25
98	MP1C	Z	11.202	.25
99	MP1C	Mx	.016	.25
100	MP1C	X	19.402	3.75
101	MP1C	Z	11.202	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	.016	3.75
103	MP4A	X	19.402	.25
104	MP4A	Z	11.202	.25
105	MP4A	Mx	-.016	.25
106	MP4A	X	19.402	3.75
107	MP4A	Z	11.202	3.75
108	MP4A	Mx	-.016	3.75
109	MP4B	X	21.164	.25
110	MP4B	Z	12.219	.25
111	MP4B	Mx	0	.25
112	MP4B	X	21.164	3.75
113	MP4B	Z	12.219	3.75
114	MP4B	Mx	0	3.75
115	MP4C	X	19.402	.25
116	MP4C	Z	11.202	.25
117	MP4C	Mx	.016	.25
118	MP4C	X	19.402	3.75
119	MP4C	Z	11.202	3.75
120	MP4C	Mx	.016	3.75
121	M103	X	24.998	1.5
122	M103	Z	14.433	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	14.758	.5
2	MP2A	Z	25.562	.5
3	MP2A	Mx	.005	.5
4	MP2A	X	14.758	5
5	MP2A	Z	25.562	5
6	MP2A	Mx	.005	5
7	MP2B	X	14.758	.5
8	MP2B	Z	25.562	.5
9	MP2B	Mx	-.029	.5
10	MP2B	X	14.758	5
11	MP2B	Z	25.562	5
12	MP2B	Mx	-.029	5
13	MP2C	X	11.195	.5
14	MP2C	Z	19.39	.5
15	MP2C	Mx	.019	.5
16	MP2C	X	11.195	5
17	MP2C	Z	19.39	5
18	MP2C	Mx	.019	5
19	MP2A	X	14.758	.5
20	MP2A	Z	25.562	.5
21	MP2A	Mx	-.029	.5
22	MP2A	X	14.758	5
23	MP2A	Z	25.562	5
24	MP2A	Mx	-.029	5
25	MP2B	X	14.758	.5
26	MP2B	Z	25.562	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	14.758	5
29	MP2B	Z	25.562	5
30	MP2B	Mx	.005	5
31	MP2C	X	11.195	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	19.39	.5
33	MP2C	Mx	.019	.5
34	MP2C	X	11.195	5
35	MP2C	Z	19.39	5
36	MP2C	Mx	.019	5
37	MP3A	X	8.247	1
38	MP3A	Z	14.285	1
39	MP3A	Mx	-.007	1
40	MP3A	X	8.247	3
41	MP3A	Z	14.285	3
42	MP3A	Mx	-.007	3
43	MP3B	X	8.247	1
44	MP3B	Z	14.285	1
45	MP3B	Mx	-.007	1
46	MP3B	X	8.247	3
47	MP3B	Z	14.285	3
48	MP3B	Mx	-.007	3
49	MP3C	X	4.242	1
50	MP3C	Z	7.347	1
51	MP3C	Mx	.007	1
52	MP3C	X	4.242	3
53	MP3C	Z	7.347	3
54	MP3C	Mx	.007	3
55	M135	X	15.62	1.5
56	M135	Z	27.055	1.5
57	M135	Mx	0	1.5
58	MP2A	X	4.359	.75
59	MP2A	Z	7.55	.75
60	MP2A	Mx	.002	.75
61	MP2B	X	4.359	.75
62	MP2B	Z	7.55	.75
63	MP2B	Mx	.002	.75
64	MP2C	X	2.866	.75
65	MP2C	Z	4.965	.75
66	MP2C	Mx	-.003	.75
67	MP1A	X	7.678	2
68	MP1A	Z	13.299	2
69	MP1A	Mx	.004	2
70	MP1B	X	7.678	2
71	MP1B	Z	13.299	2
72	MP1B	Mx	.004	2
73	MP1C	X	5.865	2
74	MP1C	Z	10.158	2
75	MP1C	Mx	-.006	2
76	MP2A	X	7.569	3
77	MP2A	Z	13.11	3
78	MP2A	Mx	-.006	3
79	MP2B	X	7.569	3
80	MP2B	Z	13.11	3
81	MP2B	Mx	-.006	3
82	MP2C	X	5.429	3
83	MP2C	Z	9.404	3
84	MP2C	Mx	.009	3
85	MP1A	X	11.88	.25
86	MP1A	Z	20.576	.25
87	MP1A	Mx	-.01	.25
88	MP1A	X	11.88	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	20.576	3.75
90	MP1A	Mx	-.01	3.75
91	MP1B	X	11.88	.25
92	MP1B	Z	20.576	.25
93	MP1B	Mx	-.01	.25
94	MP1B	X	11.88	3.75
95	MP1B	Z	20.576	3.75
96	MP1B	Mx	-.01	3.75
97	MP1C	X	10.863	.25
98	MP1C	Z	18.815	.25
99	MP1C	Mx	.018	.25
100	MP1C	X	10.863	3.75
101	MP1C	Z	18.815	3.75
102	MP1C	Mx	.018	3.75
103	MP4A	X	11.88	.25
104	MP4A	Z	20.576	.25
105	MP4A	Mx	-.01	.25
106	MP4A	X	11.88	3.75
107	MP4A	Z	20.576	3.75
108	MP4A	Mx	-.01	3.75
109	MP4B	X	11.88	.25
110	MP4B	Z	20.576	.25
111	MP4B	Mx	-.01	.25
112	MP4B	X	11.88	3.75
113	MP4B	Z	20.576	3.75
114	MP4B	Mx	-.01	3.75
115	MP4C	X	10.863	.25
116	MP4C	Z	18.815	.25
117	MP4C	Mx	.018	.25
118	MP4C	X	10.863	3.75
119	MP4C	Z	18.815	3.75
120	MP4C	Mx	.018	3.75
121	M103	X	15.62	1.5
122	M103	Z	27.055	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	31.893	.5
3	MP2A	Mx	.021	.5
4	MP2A	X	0	5
5	MP2A	Z	31.893	5
6	MP2A	Mx	.021	5
7	MP2B	X	0	.5
8	MP2B	Z	24.765	.5
9	MP2B	Mx	-.026	.5
10	MP2B	X	0	5
11	MP2B	Z	24.765	5
12	MP2B	Mx	-.026	5
13	MP2C	X	0	.5
14	MP2C	Z	24.765	.5
15	MP2C	Mx	.01	.5
16	MP2C	X	0	5
17	MP2C	Z	24.765	5
18	MP2C	Mx	.01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	0	.5
20	MP2A	Z	31.893	.5
21	MP2A	Mx	-.021	.5
22	MP2A	X	0	5
23	MP2A	Z	31.893	5
24	MP2A	Mx	-.021	5
25	MP2B	X	0	.5
26	MP2B	Z	24.765	.5
27	MP2B	Mx	-.01	.5
28	MP2B	X	0	5
29	MP2B	Z	24.765	5
30	MP2B	Mx	-.01	5
31	MP2C	X	0	.5
32	MP2C	Z	24.765	.5
33	MP2C	Mx	.026	.5
34	MP2C	X	0	5
35	MP2C	Z	24.765	5
36	MP2C	Mx	.026	5
37	MP3A	X	0	1
38	MP3A	Z	19.165	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	19.165	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	11.154	1
45	MP3B	Mx	-.008	1
46	MP3B	X	0	3
47	MP3B	Z	11.154	3
48	MP3B	Mx	-.008	3
49	MP3C	X	0	1
50	MP3C	Z	11.154	1
51	MP3C	Mx	.008	1
52	MP3C	X	0	3
53	MP3C	Z	11.154	3
54	MP3C	Mx	.008	3
55	M135	X	0	1.5
56	M135	Z	28.865	1.5
57	M135	Mx	0	1.5
58	MP2A	X	0	.75
59	MP2A	Z	9.713	.75
60	MP2A	Mx	0	.75
61	MP2B	X	0	.75
62	MP2B	Z	6.728	.75
63	MP2B	Mx	.003	.75
64	MP2C	X	0	.75
65	MP2C	Z	6.728	.75
66	MP2C	Mx	-.003	.75
67	MP1A	X	0	2
68	MP1A	Z	16.565	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	12.938	2
72	MP1B	Mx	.006	2
73	MP1C	X	0	2
74	MP1C	Z	12.938	2
75	MP1C	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2A	X	0	3
77	MP2A	Z	16.565	3
78	MP2A	Mx	0	3
79	MP2B	X	0	3
80	MP2B	Z	12.285	3
81	MP2B	Mx	-.009	3
82	MP2C	X	0	3
83	MP2C	Z	12.285	3
84	MP2C	Mx	.009	3
85	MP1A	X	0	.25
86	MP1A	Z	24.438	.25
87	MP1A	Mx	0	.25
88	MP1A	X	0	3.75
89	MP1A	Z	24.438	3.75
90	MP1A	Mx	0	3.75
91	MP1B	X	0	.25
92	MP1B	Z	22.403	.25
93	MP1B	Mx	-.016	.25
94	MP1B	X	0	3.75
95	MP1B	Z	22.403	3.75
96	MP1B	Mx	-.016	3.75
97	MP1C	X	0	.25
98	MP1C	Z	22.403	.25
99	MP1C	Mx	.016	.25
100	MP1C	X	0	3.75
101	MP1C	Z	22.403	3.75
102	MP1C	Mx	.016	3.75
103	MP4A	X	0	.25
104	MP4A	Z	24.438	.25
105	MP4A	Mx	0	.25
106	MP4A	X	0	3.75
107	MP4A	Z	24.438	3.75
108	MP4A	Mx	0	3.75
109	MP4B	X	0	.25
110	MP4B	Z	22.403	.25
111	MP4B	Mx	-.016	.25
112	MP4B	X	0	3.75
113	MP4B	Z	22.403	3.75
114	MP4B	Mx	-.016	3.75
115	MP4C	X	0	.25
116	MP4C	Z	22.403	.25
117	MP4C	Mx	.016	.25
118	MP4C	X	0	3.75
119	MP4C	Z	22.403	3.75
120	MP4C	Mx	.016	3.75
121	M103	X	0	1.5
122	M103	Z	28.865	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-14.758	.5
2	MP2A	Z	25.562	.5
3	MP2A	Mx	.029	.5
4	MP2A	X	-14.758	5
5	MP2A	Z	25.562	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.029	5
7	MP2B	X	-11.195	.5
8	MP2B	Z	19.39	.5
9	MP2B	Mx	-.019	.5
10	MP2B	X	-11.195	5
11	MP2B	Z	19.39	5
12	MP2B	Mx	-.019	5
13	MP2C	X	-14.758	.5
14	MP2C	Z	25.562	.5
15	MP2C	Mx	-.005	.5
16	MP2C	X	-14.758	5
17	MP2C	Z	25.562	5
18	MP2C	Mx	-.005	5
19	MP2A	X	-14.758	.5
20	MP2A	Z	25.562	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	-14.758	5
23	MP2A	Z	25.562	5
24	MP2A	Mx	-.005	5
25	MP2B	X	-11.195	.5
26	MP2B	Z	19.39	.5
27	MP2B	Mx	-.019	.5
28	MP2B	X	-11.195	5
29	MP2B	Z	19.39	5
30	MP2B	Mx	-.019	5
31	MP2C	X	-14.758	.5
32	MP2C	Z	25.562	.5
33	MP2C	Mx	.029	.5
34	MP2C	X	-14.758	5
35	MP2C	Z	25.562	5
36	MP2C	Mx	.029	5
37	MP3A	X	-8.247	1
38	MP3A	Z	14.285	1
39	MP3A	Mx	.007	1
40	MP3A	X	-8.247	3
41	MP3A	Z	14.285	3
42	MP3A	Mx	.007	3
43	MP3B	X	-4.242	1
44	MP3B	Z	7.347	1
45	MP3B	Mx	-.007	1
46	MP3B	X	-4.242	3
47	MP3B	Z	7.347	3
48	MP3B	Mx	-.007	3
49	MP3C	X	-8.247	1
50	MP3C	Z	14.285	1
51	MP3C	Mx	.007	1
52	MP3C	X	-8.247	3
53	MP3C	Z	14.285	3
54	MP3C	Mx	.007	3
55	M135	X	-12.057	1.5
56	M135	Z	20.883	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-4.359	.75
59	MP2A	Z	7.55	.75
60	MP2A	Mx	-.002	.75
61	MP2B	X	-2.866	.75
62	MP2B	Z	4.965	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	.003	.75
64	MP2C	X	-4.359	.75
65	MP2C	Z	7.55	.75
66	MP2C	Mx	-.002	.75
67	MP1A	X	-7.678	2
68	MP1A	Z	13.299	2
69	MP1A	Mx	-.004	2
70	MP1B	X	-5.865	2
71	MP1B	Z	10.158	2
72	MP1B	Mx	.006	2
73	MP1C	X	-7.678	2
74	MP1C	Z	13.299	2
75	MP1C	Mx	-.004	2
76	MP2A	X	-7.569	3
77	MP2A	Z	13.11	3
78	MP2A	Mx	.006	3
79	MP2B	X	-5.429	3
80	MP2B	Z	9.404	3
81	MP2B	Mx	-.009	3
82	MP2C	X	-7.569	3
83	MP2C	Z	13.11	3
84	MP2C	Mx	.006	3
85	MP1A	X	-11.88	.25
86	MP1A	Z	20.576	.25
87	MP1A	Mx	.01	.25
88	MP1A	X	-11.88	3.75
89	MP1A	Z	20.576	3.75
90	MP1A	Mx	.01	3.75
91	MP1B	X	-10.863	.25
92	MP1B	Z	18.815	.25
93	MP1B	Mx	-.018	.25
94	MP1B	X	-10.863	3.75
95	MP1B	Z	18.815	3.75
96	MP1B	Mx	-.018	3.75
97	MP1C	X	-11.88	.25
98	MP1C	Z	20.576	.25
99	MP1C	Mx	.01	.25
100	MP1C	X	-11.88	3.75
101	MP1C	Z	20.576	3.75
102	MP1C	Mx	.01	3.75
103	MP4A	X	-11.88	.25
104	MP4A	Z	20.576	.25
105	MP4A	Mx	.01	.25
106	MP4A	X	-11.88	3.75
107	MP4A	Z	20.576	3.75
108	MP4A	Mx	.01	3.75
109	MP4B	X	-10.863	.25
110	MP4B	Z	18.815	.25
111	MP4B	Mx	-.018	.25
112	MP4B	X	-10.863	3.75
113	MP4B	Z	18.815	3.75
114	MP4B	Mx	-.018	3.75
115	MP4C	X	-11.88	.25
116	MP4C	Z	20.576	.25
117	MP4C	Mx	.01	.25
118	MP4C	X	-11.88	3.75
119	MP4C	Z	20.576	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mx	.01	3.75
121	M103	X	-12.057	1.5
122	M103	Z	20.883	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.447	.5
2	MP2A	Z	12.383	.5
3	MP2A	Mx	.026	.5
4	MP2A	X	-21.447	5
5	MP2A	Z	12.383	5
6	MP2A	Mx	.026	5
7	MP2B	X	-21.447	.5
8	MP2B	Z	12.383	.5
9	MP2B	Mx	-.01	.5
10	MP2B	X	-21.447	5
11	MP2B	Z	12.383	5
12	MP2B	Mx	-.01	5
13	MP2C	X	-27.62	.5
14	MP2C	Z	15.946	.5
15	MP2C	Mx	-.021	.5
16	MP2C	X	-27.62	5
17	MP2C	Z	15.946	5
18	MP2C	Mx	-.021	5
19	MP2A	X	-21.447	.5
20	MP2A	Z	12.383	.5
21	MP2A	Mx	.01	.5
22	MP2A	X	-21.447	5
23	MP2A	Z	12.383	5
24	MP2A	Mx	.01	5
25	MP2B	X	-21.447	.5
26	MP2B	Z	12.383	.5
27	MP2B	Mx	-.026	.5
28	MP2B	X	-21.447	5
29	MP2B	Z	12.383	5
30	MP2B	Mx	-.026	5
31	MP2C	X	-27.62	.5
32	MP2C	Z	15.946	.5
33	MP2C	Mx	.021	.5
34	MP2C	X	-27.62	5
35	MP2C	Z	15.946	5
36	MP2C	Mx	.021	5
37	MP3A	X	-9.66	1
38	MP3A	Z	5.577	1
39	MP3A	Mx	.008	1
40	MP3A	X	-9.66	3
41	MP3A	Z	5.577	3
42	MP3A	Mx	.008	3
43	MP3B	X	-9.66	1
44	MP3B	Z	5.577	1
45	MP3B	Mx	-.008	1
46	MP3B	X	-9.66	3
47	MP3B	Z	5.577	3
48	MP3B	Mx	-.008	3
49	MP3C	X	-16.597	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	9.582	1
51	MP3C	Mx	0	1
52	MP3C	X	-16.597	3
53	MP3C	Z	9.582	3
54	MP3C	Mx	0	3
55	M135	X	-18.826	1.5
56	M135	Z	10.869	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-5.827	.75
59	MP2A	Z	3.364	.75
60	MP2A	Mx	-.003	.75
61	MP2B	X	-5.827	.75
62	MP2B	Z	3.364	.75
63	MP2B	Mx	.003	.75
64	MP2C	X	-8.411	.75
65	MP2C	Z	4.856	.75
66	MP2C	Mx	0	.75
67	MP1A	X	-11.205	2
68	MP1A	Z	6.469	2
69	MP1A	Mx	-.006	2
70	MP1B	X	-11.205	2
71	MP1B	Z	6.469	2
72	MP1B	Mx	.006	2
73	MP1C	X	-14.346	2
74	MP1C	Z	8.283	2
75	MP1C	Mx	0	2
76	MP2A	X	-10.639	3
77	MP2A	Z	6.143	3
78	MP2A	Mx	.009	3
79	MP2B	X	-10.639	3
80	MP2B	Z	6.143	3
81	MP2B	Mx	-.009	3
82	MP2C	X	-14.346	3
83	MP2C	Z	8.283	3
84	MP2C	Mx	0	3
85	MP1A	X	-19.402	.25
86	MP1A	Z	11.202	.25
87	MP1A	Mx	.016	.25
88	MP1A	X	-19.402	3.75
89	MP1A	Z	11.202	3.75
90	MP1A	Mx	.016	3.75
91	MP1B	X	-19.402	.25
92	MP1B	Z	11.202	.25
93	MP1B	Mx	-.016	.25
94	MP1B	X	-19.402	3.75
95	MP1B	Z	11.202	3.75
96	MP1B	Mx	-.016	3.75
97	MP1C	X	-21.164	.25
98	MP1C	Z	12.219	.25
99	MP1C	Mx	0	.25
100	MP1C	X	-21.164	3.75
101	MP1C	Z	12.219	3.75
102	MP1C	Mx	0	3.75
103	MP4A	X	-19.402	.25
104	MP4A	Z	11.202	.25
105	MP4A	Mx	.016	.25
106	MP4A	X	-19.402	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4A	Z	11.202	3.75
108	MP4A	Mx	.016	3.75
109	MP4B	X	-19.402	.25
110	MP4B	Z	11.202	.25
111	MP4B	Mx	-.016	.25
112	MP4B	X	-19.402	3.75
113	MP4B	Z	11.202	3.75
114	MP4B	Mx	-.016	3.75
115	MP4C	X	-21.164	.25
116	MP4C	Z	12.219	.25
117	MP4C	Mx	0	.25
118	MP4C	X	-21.164	3.75
119	MP4C	Z	12.219	3.75
120	MP4C	Mx	0	3.75
121	M103	X	-18.826	1.5
122	M103	Z	10.869	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.389	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.019	.5
4	MP2A	X	-22.389	5
5	MP2A	Z	0	5
6	MP2A	Mx	.019	5
7	MP2B	X	-29.517	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.005	.5
10	MP2B	X	-29.517	5
11	MP2B	Z	0	5
12	MP2B	Mx	.005	5
13	MP2C	X	-29.517	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.029	.5
16	MP2C	X	-29.517	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.029	5
19	MP2A	X	-22.389	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.019	.5
22	MP2A	X	-22.389	5
23	MP2A	Z	0	5
24	MP2A	Mx	.019	5
25	MP2B	X	-29.517	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.029	.5
28	MP2B	X	-29.517	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.029	5
31	MP2C	X	-29.517	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	-29.517	5
35	MP2C	Z	0	5
36	MP2C	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-8.484	1
38	MP3A	Z	0	1
39	MP3A	Mx	.007	1
40	MP3A	X	-8.484	3
41	MP3A	Z	0	3
42	MP3A	Mx	.007	3
43	MP3B	X	-16.495	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.007	1
46	MP3B	X	-16.495	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.007	3
49	MP3C	X	-16.495	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.007	1
52	MP3C	X	-16.495	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.007	3
55	M135	X	-24.114	1.5
56	M135	Z	0	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-5.733	.75
59	MP2A	Z	0	.75
60	MP2A	Mx	-.003	.75
61	MP2B	X	-8.718	.75
62	MP2B	Z	0	.75
63	MP2B	Mx	.002	.75
64	MP2C	X	-8.718	.75
65	MP2C	Z	0	.75
66	MP2C	Mx	.002	.75
67	MP1A	X	-11.729	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.006	2
70	MP1B	X	-15.356	2
71	MP1B	Z	0	2
72	MP1B	Mx	.004	2
73	MP1C	X	-15.356	2
74	MP1C	Z	0	2
75	MP1C	Mx	.004	2
76	MP2A	X	-10.859	3
77	MP2A	Z	0	3
78	MP2A	Mx	.009	3
79	MP2B	X	-15.138	3
80	MP2B	Z	0	3
81	MP2B	Mx	-.006	3
82	MP2C	X	-15.138	3
83	MP2C	Z	0	3
84	MP2C	Mx	-.006	3
85	MP1A	X	-21.725	.25
86	MP1A	Z	0	.25
87	MP1A	Mx	.018	.25
88	MP1A	X	-21.725	3.75
89	MP1A	Z	0	3.75
90	MP1A	Mx	.018	3.75
91	MP1B	X	-23.76	.25
92	MP1B	Z	0	.25
93	MP1B	Mx	-.01	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1B	X	-23.76	3.75
95	MP1B	Z	0	3.75
96	MP1B	Mx	-.01	3.75
97	MP1C	X	-23.76	.25
98	MP1C	Z	0	.25
99	MP1C	Mx	-.01	.25
100	MP1C	X	-23.76	3.75
101	MP1C	Z	0	3.75
102	MP1C	Mx	-.01	3.75
103	MP4A	X	-21.725	.25
104	MP4A	Z	0	.25
105	MP4A	Mx	.018	.25
106	MP4A	X	-21.725	3.75
107	MP4A	Z	0	3.75
108	MP4A	Mx	.018	3.75
109	MP4B	X	-23.76	.25
110	MP4B	Z	0	.25
111	MP4B	Mx	-.01	.25
112	MP4B	X	-23.76	3.75
113	MP4B	Z	0	3.75
114	MP4B	Mx	-.01	3.75
115	MP4C	X	-23.76	.25
116	MP4C	Z	0	.25
117	MP4C	Mx	-.01	.25
118	MP4C	X	-23.76	3.75
119	MP4C	Z	0	3.75
120	MP4C	Mx	-.01	3.75
121	M103	X	-24.114	1.5
122	M103	Z	0	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.447	.5
2	MP2A	Z	-12.383	.5
3	MP2A	Mx	.01	.5
4	MP2A	X	-21.447	5
5	MP2A	Z	-12.383	5
6	MP2A	Mx	.01	5
7	MP2B	X	-27.62	.5
8	MP2B	Z	-15.946	.5
9	MP2B	Mx	.021	.5
10	MP2B	X	-27.62	5
11	MP2B	Z	-15.946	5
12	MP2B	Mx	.021	5
13	MP2C	X	-21.447	.5
14	MP2C	Z	-12.383	.5
15	MP2C	Mx	-.026	.5
16	MP2C	X	-21.447	5
17	MP2C	Z	-12.383	5
18	MP2C	Mx	-.026	5
19	MP2A	X	-21.447	.5
20	MP2A	Z	-12.383	.5
21	MP2A	Mx	.026	.5
22	MP2A	X	-21.447	5
23	MP2A	Z	-12.383	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.026	5
25	MP2B	X	-27.62	.5
26	MP2B	Z	-15.946	.5
27	MP2B	Mx	-.021	.5
28	MP2B	X	-27.62	5
29	MP2B	Z	-15.946	5
30	MP2B	Mx	-.021	5
31	MP2C	X	-21.447	.5
32	MP2C	Z	-12.383	.5
33	MP2C	Mx	-.01	.5
34	MP2C	X	-21.447	5
35	MP2C	Z	-12.383	5
36	MP2C	Mx	-.01	5
37	MP3A	X	-9.66	1
38	MP3A	Z	-5.577	1
39	MP3A	Mx	.008	1
40	MP3A	X	-9.66	3
41	MP3A	Z	-5.577	3
42	MP3A	Mx	.008	3
43	MP3B	X	-16.597	1
44	MP3B	Z	-9.582	1
45	MP3B	Mx	0	1
46	MP3B	X	-16.597	3
47	MP3B	Z	-9.582	3
48	MP3B	Mx	0	3
49	MP3C	X	-9.66	1
50	MP3C	Z	-5.577	1
51	MP3C	Mx	-.008	1
52	MP3C	X	-9.66	3
53	MP3C	Z	-5.577	3
54	MP3C	Mx	-.008	3
55	M135	X	-24.998	1.5
56	M135	Z	-14.433	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-5.827	.75
59	MP2A	Z	-3.364	.75
60	MP2A	Mx	-.003	.75
61	MP2B	X	-8.411	.75
62	MP2B	Z	-4.856	.75
63	MP2B	Mx	0	.75
64	MP2C	X	-5.827	.75
65	MP2C	Z	-3.364	.75
66	MP2C	Mx	.003	.75
67	MP1A	X	-11.205	2
68	MP1A	Z	-6.469	2
69	MP1A	Mx	-.006	2
70	MP1B	X	-14.346	2
71	MP1B	Z	-8.283	2
72	MP1B	Mx	0	2
73	MP1C	X	-11.205	2
74	MP1C	Z	-6.469	2
75	MP1C	Mx	.006	2
76	MP2A	X	-10.639	3
77	MP2A	Z	-6.143	3
78	MP2A	Mx	.009	3
79	MP2B	X	-14.346	3
80	MP2B	Z	-8.283	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	0	3
82	MP2C	X	-10.639	3
83	MP2C	Z	-6.143	3
84	MP2C	Mx	-.009	3
85	MP1A	X	-19.402	.25
86	MP1A	Z	-11.202	.25
87	MP1A	Mx	.016	.25
88	MP1A	X	-19.402	3.75
89	MP1A	Z	-11.202	3.75
90	MP1A	Mx	.016	3.75
91	MP1B	X	-21.164	.25
92	MP1B	Z	-12.219	.25
93	MP1B	Mx	0	.25
94	MP1B	X	-21.164	3.75
95	MP1B	Z	-12.219	3.75
96	MP1B	Mx	0	3.75
97	MP1C	X	-19.402	.25
98	MP1C	Z	-11.202	.25
99	MP1C	Mx	-.016	.25
100	MP1C	X	-19.402	3.75
101	MP1C	Z	-11.202	3.75
102	MP1C	Mx	-.016	3.75
103	MP4A	X	-19.402	.25
104	MP4A	Z	-11.202	.25
105	MP4A	Mx	.016	.25
106	MP4A	X	-19.402	3.75
107	MP4A	Z	-11.202	3.75
108	MP4A	Mx	.016	3.75
109	MP4B	X	-21.164	.25
110	MP4B	Z	-12.219	.25
111	MP4B	Mx	0	.25
112	MP4B	X	-21.164	3.75
113	MP4B	Z	-12.219	3.75
114	MP4B	Mx	0	3.75
115	MP4C	X	-19.402	.25
116	MP4C	Z	-11.202	.25
117	MP4C	Mx	-.016	.25
118	MP4C	X	-19.402	3.75
119	MP4C	Z	-11.202	3.75
120	MP4C	Mx	-.016	3.75
121	M103	X	-24.998	1.5
122	M103	Z	-14.433	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-14.758	.5
2	MP2A	Z	-25.562	.5
3	MP2A	Mx	-.005	.5
4	MP2A	X	-14.758	5
5	MP2A	Z	-25.562	5
6	MP2A	Mx	-.005	5
7	MP2B	X	-14.758	.5
8	MP2B	Z	-25.562	.5
9	MP2B	Mx	.029	.5
10	MP2B	X	-14.758	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-25.562	5
12	MP2B	Mx	.029	5
13	MP2C	X	-11.195	.5
14	MP2C	Z	-19.39	.5
15	MP2C	Mx	-.019	.5
16	MP2C	X	-11.195	5
17	MP2C	Z	-19.39	5
18	MP2C	Mx	-.019	5
19	MP2A	X	-14.758	.5
20	MP2A	Z	-25.562	.5
21	MP2A	Mx	.029	.5
22	MP2A	X	-14.758	5
23	MP2A	Z	-25.562	5
24	MP2A	Mx	.029	5
25	MP2B	X	-14.758	.5
26	MP2B	Z	-25.562	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	-14.758	5
29	MP2B	Z	-25.562	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-11.195	.5
32	MP2C	Z	-19.39	.5
33	MP2C	Mx	-.019	.5
34	MP2C	X	-11.195	5
35	MP2C	Z	-19.39	5
36	MP2C	Mx	-.019	5
37	MP3A	X	-8.247	1
38	MP3A	Z	-14.285	1
39	MP3A	Mx	.007	1
40	MP3A	X	-8.247	3
41	MP3A	Z	-14.285	3
42	MP3A	Mx	.007	3
43	MP3B	X	-8.247	1
44	MP3B	Z	-14.285	1
45	MP3B	Mx	.007	1
46	MP3B	X	-8.247	3
47	MP3B	Z	-14.285	3
48	MP3B	Mx	.007	3
49	MP3C	X	-4.242	1
50	MP3C	Z	-7.347	1
51	MP3C	Mx	-.007	1
52	MP3C	X	-4.242	3
53	MP3C	Z	-7.347	3
54	MP3C	Mx	-.007	3
55	M135	X	-15.62	1.5
56	M135	Z	-27.055	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-4.359	.75
59	MP2A	Z	-7.55	.75
60	MP2A	Mx	-.002	.75
61	MP2B	X	-4.359	.75
62	MP2B	Z	-7.55	.75
63	MP2B	Mx	-.002	.75
64	MP2C	X	-2.866	.75
65	MP2C	Z	-4.965	.75
66	MP2C	Mx	.003	.75
67	MP1A	X	-7.678	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1A	Z	-13.299	2
69	MP1A	Mx	-.004	2
70	MP1B	X	-7.678	2
71	MP1B	Z	-13.299	2
72	MP1B	Mx	-.004	2
73	MP1C	X	-5.865	2
74	MP1C	Z	-10.158	2
75	MP1C	Mx	.006	2
76	MP2A	X	-7.569	3
77	MP2A	Z	-13.11	3
78	MP2A	Mx	.006	3
79	MP2B	X	-7.569	3
80	MP2B	Z	-13.11	3
81	MP2B	Mx	.006	3
82	MP2C	X	-5.429	3
83	MP2C	Z	-9.404	3
84	MP2C	Mx	-.009	3
85	MP1A	X	-11.88	.25
86	MP1A	Z	-20.576	.25
87	MP1A	Mx	.01	.25
88	MP1A	X	-11.88	3.75
89	MP1A	Z	-20.576	3.75
90	MP1A	Mx	.01	3.75
91	MP1B	X	-11.88	.25
92	MP1B	Z	-20.576	.25
93	MP1B	Mx	.01	.25
94	MP1B	X	-11.88	3.75
95	MP1B	Z	-20.576	3.75
96	MP1B	Mx	.01	3.75
97	MP1C	X	-10.863	.25
98	MP1C	Z	-18.815	.25
99	MP1C	Mx	-.018	.25
100	MP1C	X	-10.863	3.75
101	MP1C	Z	-18.815	3.75
102	MP1C	Mx	-.018	3.75
103	MP4A	X	-11.88	.25
104	MP4A	Z	-20.576	.25
105	MP4A	Mx	.01	.25
106	MP4A	X	-11.88	3.75
107	MP4A	Z	-20.576	3.75
108	MP4A	Mx	.01	3.75
109	MP4B	X	-11.88	.25
110	MP4B	Z	-20.576	.25
111	MP4B	Mx	.01	.25
112	MP4B	X	-11.88	3.75
113	MP4B	Z	-20.576	3.75
114	MP4B	Mx	.01	3.75
115	MP4C	X	-10.863	.25
116	MP4C	Z	-18.815	.25
117	MP4C	Mx	-.018	.25
118	MP4C	X	-10.863	3.75
119	MP4C	Z	-18.815	3.75
120	MP4C	Mx	-.018	3.75
121	M103	X	-15.62	1.5
122	M103	Z	-27.055	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-9.95	.5
3	MP2A	Mx	-.007	.5
4	MP2A	X	0	5
5	MP2A	Z	-9.95	5
6	MP2A	Mx	-.007	5
7	MP2B	X	0	.5
8	MP2B	Z	-7.421	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	0	5
11	MP2B	Z	-7.421	5
12	MP2B	Mx	.008	5
13	MP2C	X	0	.5
14	MP2C	Z	-7.421	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	0	5
17	MP2C	Z	-7.421	5
18	MP2C	Mx	-.003	5
19	MP2A	X	0	.5
20	MP2A	Z	-9.913	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	0	5
23	MP2A	Z	-9.913	5
24	MP2A	Mx	.007	5
25	MP2B	X	0	.5
26	MP2B	Z	-7.412	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	0	5
29	MP2B	Z	-7.412	5
30	MP2B	Mx	.003	5
31	MP2C	X	0	.5
32	MP2C	Z	-7.412	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	0	5
35	MP2C	Z	-7.412	5
36	MP2C	Mx	-.008	5
37	MP3A	X	0	1
38	MP3A	Z	-5.788	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-5.788	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-3.146	1
45	MP3B	Mx	.002	1
46	MP3B	X	0	3
47	MP3B	Z	-3.146	3
48	MP3B	Mx	.002	3
49	MP3C	X	0	1
50	MP3C	Z	-3.146	1
51	MP3C	Mx	-.002	1
52	MP3C	X	0	3
53	MP3C	Z	-3.146	3
54	MP3C	Mx	-.002	3
55	M135	X	0	1.5
56	M135	Z	-8.545	1.5
57	M135	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	.75
59	MP2A	Z	-2.463	.75
60	MP2A	Mx	0	.75
61	MP2B	X	0	.75
62	MP2B	Z	-1.541	.75
63	MP2B	Mx	-.000667	.75
64	MP2C	X	0	.75
65	MP2C	Z	-1.541	.75
66	MP2C	Mx	.000667	.75
67	MP1A	X	0	2
68	MP1A	Z	-4.606	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	-3.46	2
72	MP1B	Mx	-.001	2
73	MP1C	X	0	2
74	MP1C	Z	-3.46	2
75	MP1C	Mx	.001	2
76	MP2A	X	0	3
77	MP2A	Z	-4.606	3
78	MP2A	Mx	0	3
79	MP2B	X	0	3
80	MP2B	Z	-3.253	3
81	MP2B	Mx	.002	3
82	MP2C	X	0	3
83	MP2C	Z	-3.253	3
84	MP2C	Mx	-.002	3
85	MP1A	X	0	.25
86	MP1A	Z	-7.573	.25
87	MP1A	Mx	0	.25
88	MP1A	X	0	3.75
89	MP1A	Z	-7.573	3.75
90	MP1A	Mx	0	3.75
91	MP1B	X	0	.25
92	MP1B	Z	-6.87	.25
93	MP1B	Mx	.005	.25
94	MP1B	X	0	3.75
95	MP1B	Z	-6.87	3.75
96	MP1B	Mx	.005	3.75
97	MP1C	X	0	.25
98	MP1C	Z	-6.87	.25
99	MP1C	Mx	-.005	.25
100	MP1C	X	0	3.75
101	MP1C	Z	-6.87	3.75
102	MP1C	Mx	-.005	3.75
103	MP4A	X	0	.25
104	MP4A	Z	-7.573	.25
105	MP4A	Mx	0	.25
106	MP4A	X	0	3.75
107	MP4A	Z	-7.573	3.75
108	MP4A	Mx	0	3.75
109	MP4B	X	0	.25
110	MP4B	Z	-6.87	.25
111	MP4B	Mx	.005	.25
112	MP4B	X	0	3.75
113	MP4B	Z	-6.87	3.75
114	MP4B	Mx	.005	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	0	.25
116	MP4C	Z	-6.87	.25
117	MP4C	Mx	-.005	.25
118	MP4C	X	0	3.75
119	MP4C	Z	-6.87	3.75
120	MP4C	Mx	-.005	3.75
121	M103	X	0	1.5
122	M103	Z	-8.545	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.553	.5
2	MP2A	Z	-7.887	.5
3	MP2A	Mx	-.009	.5
4	MP2A	X	4.553	5
5	MP2A	Z	-7.887	5
6	MP2A	Mx	-.009	5
7	MP2B	X	3.289	.5
8	MP2B	Z	-5.697	.5
9	MP2B	Mx	.005	.5
10	MP2B	X	3.289	5
11	MP2B	Z	-5.697	5
12	MP2B	Mx	.005	5
13	MP2C	X	4.553	.5
14	MP2C	Z	-7.887	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	4.553	5
17	MP2C	Z	-7.887	5
18	MP2C	Mx	.001	5
19	MP2A	X	4.54	.5
20	MP2A	Z	-7.863	.5
21	MP2A	Mx	.001	.5
22	MP2A	X	4.54	5
23	MP2A	Z	-7.863	5
24	MP2A	Mx	.001	5
25	MP2B	X	3.289	.5
26	MP2B	Z	-5.697	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	3.289	5
29	MP2B	Z	-5.697	5
30	MP2B	Mx	.005	5
31	MP2C	X	4.54	.5
32	MP2C	Z	-7.863	.5
33	MP2C	Mx	-.009	.5
34	MP2C	X	4.54	5
35	MP2C	Z	-7.863	5
36	MP2C	Mx	-.009	5
37	MP3A	X	2.454	1
38	MP3A	Z	-4.25	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.454	3
41	MP3A	Z	-4.25	3
42	MP3A	Mx	-.002	3
43	MP3B	X	1.133	1
44	MP3B	Z	-1.962	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.002	1
46	MP3B	X	1.133	3
47	MP3B	Z	-1.962	3
48	MP3B	Mx	.002	3
49	MP3C	X	2.454	1
50	MP3C	Z	-4.25	1
51	MP3C	Mx	-.002	1
52	MP3C	X	2.454	3
53	MP3C	Z	-4.25	3
54	MP3C	Mx	-.002	3
55	M135	X	3.484	1.5
56	M135	Z	-6.034	1.5
57	M135	Mx	0	1.5
58	MP2A	X	1.078	.75
59	MP2A	Z	-1.867	.75
60	MP2A	Mx	.000539	.75
61	MP2B	X	.617	.75
62	MP2B	Z	-1.069	.75
63	MP2B	Mx	-.000617	.75
64	MP2C	X	1.078	.75
65	MP2C	Z	-1.867	.75
66	MP2C	Mx	.000539	.75
67	MP1A	X	2.112	2
68	MP1A	Z	-3.658	2
69	MP1A	Mx	.001	2
70	MP1B	X	1.539	2
71	MP1B	Z	-2.666	2
72	MP1B	Mx	-.002	2
73	MP1C	X	2.112	2
74	MP1C	Z	-3.658	2
75	MP1C	Mx	.001	2
76	MP2A	X	2.077	3
77	MP2A	Z	-3.598	3
78	MP2A	Mx	-.002	3
79	MP2B	X	1.401	3
80	MP2B	Z	-2.426	3
81	MP2B	Mx	.002	3
82	MP2C	X	2.077	3
83	MP2C	Z	-3.598	3
84	MP2C	Mx	-.002	3
85	MP1A	X	3.669	.25
86	MP1A	Z	-6.356	.25
87	MP1A	Mx	-.003	.25
88	MP1A	X	3.669	3.75
89	MP1A	Z	-6.356	3.75
90	MP1A	Mx	-.003	3.75
91	MP1B	X	3.318	.25
92	MP1B	Z	-5.747	.25
93	MP1B	Mx	.006	.25
94	MP1B	X	3.318	3.75
95	MP1B	Z	-5.747	3.75
96	MP1B	Mx	.006	3.75
97	MP1C	X	3.669	.25
98	MP1C	Z	-6.356	.25
99	MP1C	Mx	-.003	.25
100	MP1C	X	3.669	3.75
101	MP1C	Z	-6.356	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	-.003	3.75
103	MP4A	X	3.669	.25
104	MP4A	Z	-6.356	.25
105	MP4A	Mx	-.003	.25
106	MP4A	X	3.669	3.75
107	MP4A	Z	-6.356	3.75
108	MP4A	Mx	-.003	3.75
109	MP4B	X	3.318	.25
110	MP4B	Z	-5.747	.25
111	MP4B	Mx	.006	.25
112	MP4B	X	3.318	3.75
113	MP4B	Z	-5.747	3.75
114	MP4B	Mx	.006	3.75
115	MP4C	X	3.669	.25
116	MP4C	Z	-6.356	.25
117	MP4C	Mx	-.003	.25
118	MP4C	X	3.669	3.75
119	MP4C	Z	-6.356	3.75
120	MP4C	Mx	-.003	3.75
121	M103	X	3.484	1.5
122	M103	Z	-6.034	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.427	.5
2	MP2A	Z	-3.71	.5
3	MP2A	Mx	-.008	.5
4	MP2A	X	6.427	5
5	MP2A	Z	-3.71	5
6	MP2A	Mx	-.008	5
7	MP2B	X	6.427	.5
8	MP2B	Z	-3.71	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	6.427	5
11	MP2B	Z	-3.71	5
12	MP2B	Mx	.003	5
13	MP2C	X	8.617	.5
14	MP2C	Z	-4.975	.5
15	MP2C	Mx	.007	.5
16	MP2C	X	8.617	5
17	MP2C	Z	-4.975	5
18	MP2C	Mx	.007	5
19	MP2A	X	6.419	.5
20	MP2A	Z	-3.706	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	6.419	5
23	MP2A	Z	-3.706	5
24	MP2A	Mx	-.003	5
25	MP2B	X	6.419	.5
26	MP2B	Z	-3.706	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	6.419	5
29	MP2B	Z	-3.706	5
30	MP2B	Mx	.008	5
31	MP2C	X	8.585	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	-4.957	.5
33	MP2C	Mx	-.007	.5
34	MP2C	X	8.585	5
35	MP2C	Z	-4.957	5
36	MP2C	Mx	-.007	5
37	MP3A	X	2.725	1
38	MP3A	Z	-1.573	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.725	3
41	MP3A	Z	-1.573	3
42	MP3A	Mx	-.002	3
43	MP3B	X	2.725	1
44	MP3B	Z	-1.573	1
45	MP3B	Mx	.002	1
46	MP3B	X	2.725	3
47	MP3B	Z	-1.573	3
48	MP3B	Mx	.002	3
49	MP3C	X	5.012	1
50	MP3C	Z	-2.894	1
51	MP3C	Mx	0	1
52	MP3C	X	5.012	3
53	MP3C	Z	-2.894	3
54	MP3C	Mx	0	3
55	M135	X	5.351	1.5
56	M135	Z	-3.089	1.5
57	M135	Mx	0	1.5
58	MP2A	X	1.335	.75
59	MP2A	Z	-.771	.75
60	MP2A	Mx	.000668	.75
61	MP2B	X	1.335	.75
62	MP2B	Z	-.771	.75
63	MP2B	Mx	-.000668	.75
64	MP2C	X	2.133	.75
65	MP2C	Z	-1.231	.75
66	MP2C	Mx	0	.75
67	MP1A	X	2.997	2
68	MP1A	Z	-1.73	2
69	MP1A	Mx	.001	2
70	MP1B	X	2.997	2
71	MP1B	Z	-1.73	2
72	MP1B	Mx	-.001	2
73	MP1C	X	3.989	2
74	MP1C	Z	-2.303	2
75	MP1C	Mx	0	2
76	MP2A	X	2.817	3
77	MP2A	Z	-1.626	3
78	MP2A	Mx	-.002	3
79	MP2B	X	2.817	3
80	MP2B	Z	-1.626	3
81	MP2B	Mx	.002	3
82	MP2C	X	3.989	3
83	MP2C	Z	-2.303	3
84	MP2C	Mx	0	3
85	MP1A	X	5.95	.25
86	MP1A	Z	-3.435	.25
87	MP1A	Mx	-.005	.25
88	MP1A	X	5.95	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	-3.435	3.75
90	MP1A	Mx	-.005	3.75
91	MP1B	X	5.95	.25
92	MP1B	Z	-3.435	.25
93	MP1B	Mx	.005	.25
94	MP1B	X	5.95	3.75
95	MP1B	Z	-3.435	3.75
96	MP1B	Mx	.005	3.75
97	MP1C	X	6.559	.25
98	MP1C	Z	-3.787	.25
99	MP1C	Mx	0	.25
100	MP1C	X	6.559	3.75
101	MP1C	Z	-3.787	3.75
102	MP1C	Mx	0	3.75
103	MP4A	X	5.95	.25
104	MP4A	Z	-3.435	.25
105	MP4A	Mx	-.005	.25
106	MP4A	X	5.95	3.75
107	MP4A	Z	-3.435	3.75
108	MP4A	Mx	-.005	3.75
109	MP4B	X	5.95	.25
110	MP4B	Z	-3.435	.25
111	MP4B	Mx	.005	.25
112	MP4B	X	5.95	3.75
113	MP4B	Z	-3.435	3.75
114	MP4B	Mx	.005	3.75
115	MP4C	X	6.559	.25
116	MP4C	Z	-3.787	.25
117	MP4C	Mx	0	.25
118	MP4C	X	6.559	3.75
119	MP4C	Z	-3.787	3.75
120	MP4C	Mx	0	3.75
121	M103	X	5.351	1.5
122	M103	Z	-3.089	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.578	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.005	.5
4	MP2A	X	6.578	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.005	5
7	MP2B	X	9.107	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	9.107	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.001	5
13	MP2C	X	9.107	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.009	.5
16	MP2C	X	9.107	5
17	MP2C	Z	0	5
18	MP2C	Mx	.009	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	6.578	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	6.578	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.005	5
25	MP2B	X	9.079	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.009	.5
28	MP2B	X	9.079	5
29	MP2B	Z	0	5
30	MP2B	Mx	.009	5
31	MP2C	X	9.079	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.001	.5
34	MP2C	X	9.079	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.001	5
37	MP3A	X	2.266	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.266	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.002	3
43	MP3B	X	4.907	1
44	MP3B	Z	0	1
45	MP3B	Mx	.002	1
46	MP3B	X	4.907	3
47	MP3B	Z	0	3
48	MP3B	Mx	.002	3
49	MP3C	X	4.907	1
50	MP3C	Z	0	1
51	MP3C	Mx	.002	1
52	MP3C	X	4.907	3
53	MP3C	Z	0	3
54	MP3C	Mx	.002	3
55	M135	X	6.967	1.5
56	M135	Z	0	1.5
57	M135	Mx	0	1.5
58	MP2A	X	1.234	.75
59	MP2A	Z	0	.75
60	MP2A	Mx	.000617	.75
61	MP2B	X	2.156	.75
62	MP2B	Z	0	.75
63	MP2B	Mx	-.000539	.75
64	MP2C	X	2.156	.75
65	MP2C	Z	0	.75
66	MP2C	Mx	-.000539	.75
67	MP1A	X	3.079	2
68	MP1A	Z	0	2
69	MP1A	Mx	.002	2
70	MP1B	X	4.224	2
71	MP1B	Z	0	2
72	MP1B	Mx	-.001	2
73	MP1C	X	4.224	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2A	X	2.802	3
77	MP2A	Z	0	3
78	MP2A	Mx	-.002	3
79	MP2B	X	4.155	3
80	MP2B	Z	0	3
81	MP2B	Mx	.002	3
82	MP2C	X	4.155	3
83	MP2C	Z	0	3
84	MP2C	Mx	.002	3
85	MP1A	X	6.636	.25
86	MP1A	Z	0	.25
87	MP1A	Mx	-.006	.25
88	MP1A	X	6.636	3.75
89	MP1A	Z	0	3.75
90	MP1A	Mx	-.006	3.75
91	MP1B	X	7.339	.25
92	MP1B	Z	0	.25
93	MP1B	Mx	.003	.25
94	MP1B	X	7.339	3.75
95	MP1B	Z	0	3.75
96	MP1B	Mx	.003	3.75
97	MP1C	X	7.339	.25
98	MP1C	Z	0	.25
99	MP1C	Mx	.003	.25
100	MP1C	X	7.339	3.75
101	MP1C	Z	0	3.75
102	MP1C	Mx	.003	3.75
103	MP4A	X	6.636	.25
104	MP4A	Z	0	.25
105	MP4A	Mx	-.006	.25
106	MP4A	X	6.636	3.75
107	MP4A	Z	0	3.75
108	MP4A	Mx	-.006	3.75
109	MP4B	X	7.339	.25
110	MP4B	Z	0	.25
111	MP4B	Mx	.003	.25
112	MP4B	X	7.339	3.75
113	MP4B	Z	0	3.75
114	MP4B	Mx	.003	3.75
115	MP4C	X	7.339	.25
116	MP4C	Z	0	.25
117	MP4C	Mx	.003	.25
118	MP4C	X	7.339	3.75
119	MP4C	Z	0	3.75
120	MP4C	Mx	.003	3.75
121	M103	X	6.967	1.5
122	M103	Z	0	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.427	.5
2	MP2A	Z	3.71	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	6.427	5
5	MP2A	Z	3.71	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.003	5
7	MP2B	X	8.617	.5
8	MP2B	Z	4.975	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	8.617	5
11	MP2B	Z	4.975	5
12	MP2B	Mx	-.007	5
13	MP2C	X	6.427	.5
14	MP2C	Z	3.71	.5
15	MP2C	Mx	.008	.5
16	MP2C	X	6.427	5
17	MP2C	Z	3.71	5
18	MP2C	Mx	.008	5
19	MP2A	X	6.419	.5
20	MP2A	Z	3.706	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	6.419	5
23	MP2A	Z	3.706	5
24	MP2A	Mx	-.008	5
25	MP2B	X	8.585	.5
26	MP2B	Z	4.957	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	8.585	5
29	MP2B	Z	4.957	5
30	MP2B	Mx	.007	5
31	MP2C	X	6.419	.5
32	MP2C	Z	3.706	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	6.419	5
35	MP2C	Z	3.706	5
36	MP2C	Mx	.003	5
37	MP3A	X	2.725	1
38	MP3A	Z	1.573	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.725	3
41	MP3A	Z	1.573	3
42	MP3A	Mx	-.002	3
43	MP3B	X	5.012	1
44	MP3B	Z	2.894	1
45	MP3B	Mx	0	1
46	MP3B	X	5.012	3
47	MP3B	Z	2.894	3
48	MP3B	Mx	0	3
49	MP3C	X	2.725	1
50	MP3C	Z	1.573	1
51	MP3C	Mx	.002	1
52	MP3C	X	2.725	3
53	MP3C	Z	1.573	3
54	MP3C	Mx	.002	3
55	M135	X	7.4	1.5
56	M135	Z	4.273	1.5
57	M135	Mx	0	1.5
58	MP2A	X	1.335	.75
59	MP2A	Z	.771	.75
60	MP2A	Mx	.000668	.75
61	MP2B	X	2.133	.75
62	MP2B	Z	1.231	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	0	.75
64	MP2C	X	1.335	.75
65	MP2C	Z	.771	.75
66	MP2C	Mx	-.000668	.75
67	MP1A	X	2.997	2
68	MP1A	Z	1.73	2
69	MP1A	Mx	.001	2
70	MP1B	X	3.989	2
71	MP1B	Z	2.303	2
72	MP1B	Mx	0	2
73	MP1C	X	2.997	2
74	MP1C	Z	1.73	2
75	MP1C	Mx	-.001	2
76	MP2A	X	2.817	3
77	MP2A	Z	1.626	3
78	MP2A	Mx	-.002	3
79	MP2B	X	3.989	3
80	MP2B	Z	2.303	3
81	MP2B	Mx	0	3
82	MP2C	X	2.817	3
83	MP2C	Z	1.626	3
84	MP2C	Mx	.002	3
85	MP1A	X	5.95	.25
86	MP1A	Z	3.435	.25
87	MP1A	Mx	-.005	.25
88	MP1A	X	5.95	3.75
89	MP1A	Z	3.435	3.75
90	MP1A	Mx	-.005	3.75
91	MP1B	X	6.559	.25
92	MP1B	Z	3.787	.25
93	MP1B	Mx	0	.25
94	MP1B	X	6.559	3.75
95	MP1B	Z	3.787	3.75
96	MP1B	Mx	0	3.75
97	MP1C	X	5.95	.25
98	MP1C	Z	3.435	.25
99	MP1C	Mx	.005	.25
100	MP1C	X	5.95	3.75
101	MP1C	Z	3.435	3.75
102	MP1C	Mx	.005	3.75
103	MP4A	X	5.95	.25
104	MP4A	Z	3.435	.25
105	MP4A	Mx	-.005	.25
106	MP4A	X	5.95	3.75
107	MP4A	Z	3.435	3.75
108	MP4A	Mx	-.005	3.75
109	MP4B	X	6.559	.25
110	MP4B	Z	3.787	.25
111	MP4B	Mx	0	.25
112	MP4B	X	6.559	3.75
113	MP4B	Z	3.787	3.75
114	MP4B	Mx	0	3.75
115	MP4C	X	5.95	.25
116	MP4C	Z	3.435	.25
117	MP4C	Mx	.005	.25
118	MP4C	X	5.95	3.75
119	MP4C	Z	3.435	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4C	Mx	.005	3.75
121	M103	X	7.4	1.5
122	M103	Z	4.273	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.553	.5
2	MP2A	Z	7.887	.5
3	MP2A	Mx	.001	.5
4	MP2A	X	4.553	5
5	MP2A	Z	7.887	5
6	MP2A	Mx	.001	5
7	MP2B	X	4.553	.5
8	MP2B	Z	7.887	.5
9	MP2B	Mx	-.009	.5
10	MP2B	X	4.553	5
11	MP2B	Z	7.887	5
12	MP2B	Mx	-.009	5
13	MP2C	X	3.289	.5
14	MP2C	Z	5.697	.5
15	MP2C	Mx	.005	.5
16	MP2C	X	3.289	5
17	MP2C	Z	5.697	5
18	MP2C	Mx	.005	5
19	MP2A	X	4.54	.5
20	MP2A	Z	7.863	.5
21	MP2A	Mx	-.009	.5
22	MP2A	X	4.54	5
23	MP2A	Z	7.863	5
24	MP2A	Mx	-.009	5
25	MP2B	X	4.54	.5
26	MP2B	Z	7.863	.5
27	MP2B	Mx	.001	.5
28	MP2B	X	4.54	5
29	MP2B	Z	7.863	5
30	MP2B	Mx	.001	5
31	MP2C	X	3.289	.5
32	MP2C	Z	5.697	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	3.289	5
35	MP2C	Z	5.697	5
36	MP2C	Mx	.005	5
37	MP3A	X	2.454	1
38	MP3A	Z	4.25	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.454	3
41	MP3A	Z	4.25	3
42	MP3A	Mx	-.002	3
43	MP3B	X	2.454	1
44	MP3B	Z	4.25	1
45	MP3B	Mx	-.002	1
46	MP3B	X	2.454	3
47	MP3B	Z	4.25	3
48	MP3B	Mx	-.002	3
49	MP3C	X	1.133	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	1.962	1
51	MP3C	Mx	.002	1
52	MP3C	X	1.133	3
53	MP3C	Z	1.962	3
54	MP3C	Mx	.002	3
55	M135	X	4.667	1.5
56	M135	Z	8.084	1.5
57	M135	Mx	0	1.5
58	MP2A	X	1.078	.75
59	MP2A	Z	1.867	.75
60	MP2A	Mx	.000539	.75
61	MP2B	X	1.078	.75
62	MP2B	Z	1.867	.75
63	MP2B	Mx	.000539	.75
64	MP2C	X	.617	.75
65	MP2C	Z	1.069	.75
66	MP2C	Mx	-.000617	.75
67	MP1A	X	2.112	2
68	MP1A	Z	3.658	2
69	MP1A	Mx	.001	2
70	MP1B	X	2.112	2
71	MP1B	Z	3.658	2
72	MP1B	Mx	.001	2
73	MP1C	X	1.539	2
74	MP1C	Z	2.666	2
75	MP1C	Mx	-.002	2
76	MP2A	X	2.077	3
77	MP2A	Z	3.598	3
78	MP2A	Mx	-.002	3
79	MP2B	X	2.077	3
80	MP2B	Z	3.598	3
81	MP2B	Mx	-.002	3
82	MP2C	X	1.401	3
83	MP2C	Z	2.426	3
84	MP2C	Mx	.002	3
85	MP1A	X	3.669	.25
86	MP1A	Z	6.356	.25
87	MP1A	Mx	-.003	.25
88	MP1A	X	3.669	3.75
89	MP1A	Z	6.356	3.75
90	MP1A	Mx	-.003	3.75
91	MP1B	X	3.669	.25
92	MP1B	Z	6.356	.25
93	MP1B	Mx	-.003	.25
94	MP1B	X	3.669	3.75
95	MP1B	Z	6.356	3.75
96	MP1B	Mx	-.003	3.75
97	MP1C	X	3.318	.25
98	MP1C	Z	5.747	.25
99	MP1C	Mx	.006	.25
100	MP1C	X	3.318	3.75
101	MP1C	Z	5.747	3.75
102	MP1C	Mx	.006	3.75
103	MP4A	X	3.669	.25
104	MP4A	Z	6.356	.25
105	MP4A	Mx	-.003	.25
106	MP4A	X	3.669	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP4A	Z	6.356	3.75
108	MP4A	Mx	-.003	3.75
109	MP4B	X	3.669	.25
110	MP4B	Z	6.356	.25
111	MP4B	Mx	-.003	.25
112	MP4B	X	3.669	3.75
113	MP4B	Z	6.356	3.75
114	MP4B	Mx	-.003	3.75
115	MP4C	X	3.318	.25
116	MP4C	Z	5.747	.25
117	MP4C	Mx	.006	.25
118	MP4C	X	3.318	3.75
119	MP4C	Z	5.747	3.75
120	MP4C	Mx	.006	3.75
121	M103	X	4.667	1.5
122	M103	Z	8.084	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	9.95	.5
3	MP2A	Mx	.007	.5
4	MP2A	X	0	5
5	MP2A	Z	9.95	5
6	MP2A	Mx	.007	5
7	MP2B	X	0	.5
8	MP2B	Z	7.421	.5
9	MP2B	Mx	-.008	.5
10	MP2B	X	0	5
11	MP2B	Z	7.421	5
12	MP2B	Mx	-.008	5
13	MP2C	X	0	.5
14	MP2C	Z	7.421	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	0	5
17	MP2C	Z	7.421	5
18	MP2C	Mx	.003	5
19	MP2A	X	0	.5
20	MP2A	Z	9.913	.5
21	MP2A	Mx	-.007	.5
22	MP2A	X	0	5
23	MP2A	Z	9.913	5
24	MP2A	Mx	-.007	5
25	MP2B	X	0	.5
26	MP2B	Z	7.412	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	0	5
29	MP2B	Z	7.412	5
30	MP2B	Mx	-.003	5
31	MP2C	X	0	.5
32	MP2C	Z	7.412	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	0	5
35	MP2C	Z	7.412	5
36	MP2C	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	0	1
38	MP3A	Z	5.788	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	5.788	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	3.146	1
45	MP3B	Mx	-.002	1
46	MP3B	X	0	3
47	MP3B	Z	3.146	3
48	MP3B	Mx	-.002	3
49	MP3C	X	0	1
50	MP3C	Z	3.146	1
51	MP3C	Mx	.002	1
52	MP3C	X	0	3
53	MP3C	Z	3.146	3
54	MP3C	Mx	.002	3
55	M135	X	0	1.5
56	M135	Z	8.545	1.5
57	M135	Mx	0	1.5
58	MP2A	X	0	.75
59	MP2A	Z	2.463	.75
60	MP2A	Mx	0	.75
61	MP2B	X	0	.75
62	MP2B	Z	1.541	.75
63	MP2B	Mx	.000667	.75
64	MP2C	X	0	.75
65	MP2C	Z	1.541	.75
66	MP2C	Mx	-.000667	.75
67	MP1A	X	0	2
68	MP1A	Z	4.606	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	3.46	2
72	MP1B	Mx	.001	2
73	MP1C	X	0	2
74	MP1C	Z	3.46	2
75	MP1C	Mx	-.001	2
76	MP2A	X	0	3
77	MP2A	Z	4.606	3
78	MP2A	Mx	0	3
79	MP2B	X	0	3
80	MP2B	Z	3.253	3
81	MP2B	Mx	-.002	3
82	MP2C	X	0	3
83	MP2C	Z	3.253	3
84	MP2C	Mx	.002	3
85	MP1A	X	0	.25
86	MP1A	Z	7.573	.25
87	MP1A	Mx	0	.25
88	MP1A	X	0	3.75
89	MP1A	Z	7.573	3.75
90	MP1A	Mx	0	3.75
91	MP1B	X	0	.25
92	MP1B	Z	6.87	.25
93	MP1B	Mx	-.005	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1B	X	0	3.75
95	MP1B	Z	6.87	3.75
96	MP1B	Mx	-.005	3.75
97	MP1C	X	0	.25
98	MP1C	Z	6.87	.25
99	MP1C	Mx	.005	.25
100	MP1C	X	0	3.75
101	MP1C	Z	6.87	3.75
102	MP1C	Mx	.005	3.75
103	MP4A	X	0	.25
104	MP4A	Z	7.573	.25
105	MP4A	Mx	0	.25
106	MP4A	X	0	3.75
107	MP4A	Z	7.573	3.75
108	MP4A	Mx	0	3.75
109	MP4B	X	0	.25
110	MP4B	Z	6.87	.25
111	MP4B	Mx	-.005	.25
112	MP4B	X	0	3.75
113	MP4B	Z	6.87	3.75
114	MP4B	Mx	-.005	3.75
115	MP4C	X	0	.25
116	MP4C	Z	6.87	.25
117	MP4C	Mx	.005	.25
118	MP4C	X	0	3.75
119	MP4C	Z	6.87	3.75
120	MP4C	Mx	.005	3.75
121	M103	X	0	1.5
122	M103	Z	8.545	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.553	.5
2	MP2A	Z	7.887	.5
3	MP2A	Mx	.009	.5
4	MP2A	X	-4.553	5
5	MP2A	Z	7.887	5
6	MP2A	Mx	.009	5
7	MP2B	X	-3.289	.5
8	MP2B	Z	5.697	.5
9	MP2B	Mx	-.005	.5
10	MP2B	X	-3.289	5
11	MP2B	Z	5.697	5
12	MP2B	Mx	-.005	5
13	MP2C	X	-4.553	.5
14	MP2C	Z	7.887	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	-4.553	5
17	MP2C	Z	7.887	5
18	MP2C	Mx	-.001	5
19	MP2A	X	-4.54	.5
20	MP2A	Z	7.863	.5
21	MP2A	Mx	-.001	.5
22	MP2A	X	-4.54	5
23	MP2A	Z	7.863	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.001	5
25	MP2B	X	-3.289	.5
26	MP2B	Z	5.697	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	-3.289	5
29	MP2B	Z	5.697	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-4.54	.5
32	MP2C	Z	7.863	.5
33	MP2C	Mx	.009	.5
34	MP2C	X	-4.54	5
35	MP2C	Z	7.863	5
36	MP2C	Mx	.009	5
37	MP3A	X	-2.454	1
38	MP3A	Z	4.25	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.454	3
41	MP3A	Z	4.25	3
42	MP3A	Mx	.002	3
43	MP3B	X	-1.133	1
44	MP3B	Z	1.962	1
45	MP3B	Mx	-.002	1
46	MP3B	X	-1.133	3
47	MP3B	Z	1.962	3
48	MP3B	Mx	-.002	3
49	MP3C	X	-2.454	1
50	MP3C	Z	4.25	1
51	MP3C	Mx	.002	1
52	MP3C	X	-2.454	3
53	MP3C	Z	4.25	3
54	MP3C	Mx	.002	3
55	M135	X	-3.484	1.5
56	M135	Z	6.034	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-1.078	.75
59	MP2A	Z	1.867	.75
60	MP2A	Mx	-.000539	.75
61	MP2B	X	-.617	.75
62	MP2B	Z	1.069	.75
63	MP2B	Mx	.000617	.75
64	MP2C	X	-1.078	.75
65	MP2C	Z	1.867	.75
66	MP2C	Mx	-.000539	.75
67	MP1A	X	-2.112	2
68	MP1A	Z	3.658	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-1.539	2
71	MP1B	Z	2.666	2
72	MP1B	Mx	.002	2
73	MP1C	X	-2.112	2
74	MP1C	Z	3.658	2
75	MP1C	Mx	-.001	2
76	MP2A	X	-2.077	3
77	MP2A	Z	3.598	3
78	MP2A	Mx	.002	3
79	MP2B	X	-1.401	3
80	MP2B	Z	2.426	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.002	3
82	MP2C	X	-2.077	3
83	MP2C	Z	3.598	3
84	MP2C	Mx	.002	3
85	MP1A	X	-3.669	.25
86	MP1A	Z	6.356	.25
87	MP1A	Mx	.003	.25
88	MP1A	X	-3.669	3.75
89	MP1A	Z	6.356	3.75
90	MP1A	Mx	.003	3.75
91	MP1B	X	-3.318	.25
92	MP1B	Z	5.747	.25
93	MP1B	Mx	-.006	.25
94	MP1B	X	-3.318	3.75
95	MP1B	Z	5.747	3.75
96	MP1B	Mx	-.006	3.75
97	MP1C	X	-3.669	.25
98	MP1C	Z	6.356	.25
99	MP1C	Mx	.003	.25
100	MP1C	X	-3.669	3.75
101	MP1C	Z	6.356	3.75
102	MP1C	Mx	.003	3.75
103	MP4A	X	-3.669	.25
104	MP4A	Z	6.356	.25
105	MP4A	Mx	.003	.25
106	MP4A	X	-3.669	3.75
107	MP4A	Z	6.356	3.75
108	MP4A	Mx	.003	3.75
109	MP4B	X	-3.318	.25
110	MP4B	Z	5.747	.25
111	MP4B	Mx	-.006	.25
112	MP4B	X	-3.318	3.75
113	MP4B	Z	5.747	3.75
114	MP4B	Mx	-.006	3.75
115	MP4C	X	-3.669	.25
116	MP4C	Z	6.356	.25
117	MP4C	Mx	.003	.25
118	MP4C	X	-3.669	3.75
119	MP4C	Z	6.356	3.75
120	MP4C	Mx	.003	3.75
121	M103	X	-3.484	1.5
122	M103	Z	6.034	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.427	.5
2	MP2A	Z	3.71	.5
3	MP2A	Mx	.008	.5
4	MP2A	X	-6.427	5
5	MP2A	Z	3.71	5
6	MP2A	Mx	.008	5
7	MP2B	X	-6.427	.5
8	MP2B	Z	3.71	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-6.427	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	3.71	5
12	MP2B	Mx	-.003	5
13	MP2C	X	-8.617	.5
14	MP2C	Z	4.975	.5
15	MP2C	Mx	-.007	.5
16	MP2C	X	-8.617	5
17	MP2C	Z	4.975	5
18	MP2C	Mx	-.007	5
19	MP2A	X	-6.419	.5
20	MP2A	Z	3.706	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-6.419	5
23	MP2A	Z	3.706	5
24	MP2A	Mx	.003	5
25	MP2B	X	-6.419	.5
26	MP2B	Z	3.706	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	-6.419	5
29	MP2B	Z	3.706	5
30	MP2B	Mx	-.008	5
31	MP2C	X	-8.585	.5
32	MP2C	Z	4.957	.5
33	MP2C	Mx	.007	.5
34	MP2C	X	-8.585	5
35	MP2C	Z	4.957	5
36	MP2C	Mx	.007	5
37	MP3A	X	-2.725	1
38	MP3A	Z	1.573	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.725	3
41	MP3A	Z	1.573	3
42	MP3A	Mx	.002	3
43	MP3B	X	-2.725	1
44	MP3B	Z	1.573	1
45	MP3B	Mx	-.002	1
46	MP3B	X	-2.725	3
47	MP3B	Z	1.573	3
48	MP3B	Mx	-.002	3
49	MP3C	X	-5.012	1
50	MP3C	Z	2.894	1
51	MP3C	Mx	0	1
52	MP3C	X	-5.012	3
53	MP3C	Z	2.894	3
54	MP3C	Mx	0	3
55	M135	X	-5.351	1.5
56	M135	Z	3.089	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-1.335	.75
59	MP2A	Z	.771	.75
60	MP2A	Mx	-.000668	.75
61	MP2B	X	-1.335	.75
62	MP2B	Z	.771	.75
63	MP2B	Mx	.000668	.75
64	MP2C	X	-2.133	.75
65	MP2C	Z	1.231	.75
66	MP2C	Mx	0	.75
67	MP1A	X	-2.997	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1A	Z	1.73	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-2.997	2
71	MP1B	Z	1.73	2
72	MP1B	Mx	.001	2
73	MP1C	X	-3.989	2
74	MP1C	Z	2.303	2
75	MP1C	Mx	0	2
76	MP2A	X	-2.817	3
77	MP2A	Z	1.626	3
78	MP2A	Mx	.002	3
79	MP2B	X	-2.817	3
80	MP2B	Z	1.626	3
81	MP2B	Mx	-.002	3
82	MP2C	X	-3.989	3
83	MP2C	Z	2.303	3
84	MP2C	Mx	0	3
85	MP1A	X	-5.95	.25
86	MP1A	Z	3.435	.25
87	MP1A	Mx	.005	.25
88	MP1A	X	-5.95	3.75
89	MP1A	Z	3.435	3.75
90	MP1A	Mx	.005	3.75
91	MP1B	X	-5.95	.25
92	MP1B	Z	3.435	.25
93	MP1B	Mx	-.005	.25
94	MP1B	X	-5.95	3.75
95	MP1B	Z	3.435	3.75
96	MP1B	Mx	-.005	3.75
97	MP1C	X	-6.559	.25
98	MP1C	Z	3.787	.25
99	MP1C	Mx	0	.25
100	MP1C	X	-6.559	3.75
101	MP1C	Z	3.787	3.75
102	MP1C	Mx	0	3.75
103	MP4A	X	-5.95	.25
104	MP4A	Z	3.435	.25
105	MP4A	Mx	.005	.25
106	MP4A	X	-5.95	3.75
107	MP4A	Z	3.435	3.75
108	MP4A	Mx	.005	3.75
109	MP4B	X	-5.95	.25
110	MP4B	Z	3.435	.25
111	MP4B	Mx	-.005	.25
112	MP4B	X	-5.95	3.75
113	MP4B	Z	3.435	3.75
114	MP4B	Mx	-.005	3.75
115	MP4C	X	-6.559	.25
116	MP4C	Z	3.787	.25
117	MP4C	Mx	0	.25
118	MP4C	X	-6.559	3.75
119	MP4C	Z	3.787	3.75
120	MP4C	Mx	0	3.75
121	M103	X	-5.351	1.5
122	M103	Z	3.089	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.578	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.005	.5
4	MP2A	X	-6.578	5
5	MP2A	Z	0	5
6	MP2A	Mx	.005	5
7	MP2B	X	-9.107	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	-9.107	5
11	MP2B	Z	0	5
12	MP2B	Mx	.001	5
13	MP2C	X	-9.107	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.009	.5
16	MP2C	X	-9.107	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.009	5
19	MP2A	X	-6.578	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	-6.578	5
23	MP2A	Z	0	5
24	MP2A	Mx	.005	5
25	MP2B	X	-9.079	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.009	.5
28	MP2B	X	-9.079	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.009	5
31	MP2C	X	-9.079	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.001	.5
34	MP2C	X	-9.079	5
35	MP2C	Z	0	5
36	MP2C	Mx	.001	5
37	MP3A	X	-2.266	1
38	MP3A	Z	0	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.266	3
41	MP3A	Z	0	3
42	MP3A	Mx	.002	3
43	MP3B	X	-4.907	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.002	1
46	MP3B	X	-4.907	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.002	3
49	MP3C	X	-4.907	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.002	1
52	MP3C	X	-4.907	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.002	3
55	M135	X	-6.967	1.5
56	M135	Z	0	1.5
57	M135	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-1.234	.75
59	MP2A	Z	0	.75
60	MP2A	Mx	-.000617	.75
61	MP2B	X	-2.156	.75
62	MP2B	Z	0	.75
63	MP2B	Mx	.000539	.75
64	MP2C	X	-2.156	.75
65	MP2C	Z	0	.75
66	MP2C	Mx	.000539	.75
67	MP1A	X	-3.079	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.002	2
70	MP1B	X	-4.224	2
71	MP1B	Z	0	2
72	MP1B	Mx	.001	2
73	MP1C	X	-4.224	2
74	MP1C	Z	0	2
75	MP1C	Mx	.001	2
76	MP2A	X	-2.802	3
77	MP2A	Z	0	3
78	MP2A	Mx	.002	3
79	MP2B	X	-4.155	3
80	MP2B	Z	0	3
81	MP2B	Mx	-.002	3
82	MP2C	X	-4.155	3
83	MP2C	Z	0	3
84	MP2C	Mx	-.002	3
85	MP1A	X	-6.636	.25
86	MP1A	Z	0	.25
87	MP1A	Mx	.006	.25
88	MP1A	X	-6.636	3.75
89	MP1A	Z	0	3.75
90	MP1A	Mx	.006	3.75
91	MP1B	X	-7.339	.25
92	MP1B	Z	0	.25
93	MP1B	Mx	-.003	.25
94	MP1B	X	-7.339	3.75
95	MP1B	Z	0	3.75
96	MP1B	Mx	-.003	3.75
97	MP1C	X	-7.339	.25
98	MP1C	Z	0	.25
99	MP1C	Mx	-.003	.25
100	MP1C	X	-7.339	3.75
101	MP1C	Z	0	3.75
102	MP1C	Mx	-.003	3.75
103	MP4A	X	-6.636	.25
104	MP4A	Z	0	.25
105	MP4A	Mx	.006	.25
106	MP4A	X	-6.636	3.75
107	MP4A	Z	0	3.75
108	MP4A	Mx	.006	3.75
109	MP4B	X	-7.339	.25
110	MP4B	Z	0	.25
111	MP4B	Mx	-.003	.25
112	MP4B	X	-7.339	3.75
113	MP4B	Z	0	3.75
114	MP4B	Mx	-.003	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4C	X	-7.339	.25
116	MP4C	Z	0	.25
117	MP4C	Mx	-.003	.25
118	MP4C	X	-7.339	3.75
119	MP4C	Z	0	3.75
120	MP4C	Mx	-.003	3.75
121	M103	X	-6.967	1.5
122	M103	Z	0	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.427	.5
2	MP2A	Z	-3.71	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-6.427	5
5	MP2A	Z	-3.71	5
6	MP2A	Mx	.003	5
7	MP2B	X	-8.617	.5
8	MP2B	Z	-4.975	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	-8.617	5
11	MP2B	Z	-4.975	5
12	MP2B	Mx	.007	5
13	MP2C	X	-6.427	.5
14	MP2C	Z	-3.71	.5
15	MP2C	Mx	-.008	.5
16	MP2C	X	-6.427	5
17	MP2C	Z	-3.71	5
18	MP2C	Mx	-.008	5
19	MP2A	X	-6.419	.5
20	MP2A	Z	-3.706	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	-6.419	5
23	MP2A	Z	-3.706	5
24	MP2A	Mx	.008	5
25	MP2B	X	-8.585	.5
26	MP2B	Z	-4.957	.5
27	MP2B	Mx	-.007	.5
28	MP2B	X	-8.585	5
29	MP2B	Z	-4.957	5
30	MP2B	Mx	-.007	5
31	MP2C	X	-6.419	.5
32	MP2C	Z	-3.706	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-6.419	5
35	MP2C	Z	-3.706	5
36	MP2C	Mx	-.003	5
37	MP3A	X	-2.725	1
38	MP3A	Z	-1.573	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.725	3
41	MP3A	Z	-1.573	3
42	MP3A	Mx	.002	3
43	MP3B	X	-5.012	1
44	MP3B	Z	-2.894	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	0	1
46	MP3B	X	-5.012	3
47	MP3B	Z	-2.894	3
48	MP3B	Mx	0	3
49	MP3C	X	-2.725	1
50	MP3C	Z	-1.573	1
51	MP3C	Mx	-.002	1
52	MP3C	X	-2.725	3
53	MP3C	Z	-1.573	3
54	MP3C	Mx	-.002	3
55	M135	X	-7.4	1.5
56	M135	Z	-4.273	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-1.335	.75
59	MP2A	Z	-.771	.75
60	MP2A	Mx	-.000668	.75
61	MP2B	X	-2.133	.75
62	MP2B	Z	-1.231	.75
63	MP2B	Mx	0	.75
64	MP2C	X	-1.335	.75
65	MP2C	Z	-.771	.75
66	MP2C	Mx	.000668	.75
67	MP1A	X	-2.997	2
68	MP1A	Z	-1.73	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-3.989	2
71	MP1B	Z	-2.303	2
72	MP1B	Mx	0	2
73	MP1C	X	-2.997	2
74	MP1C	Z	-1.73	2
75	MP1C	Mx	.001	2
76	MP2A	X	-2.817	3
77	MP2A	Z	-1.626	3
78	MP2A	Mx	.002	3
79	MP2B	X	-3.989	3
80	MP2B	Z	-2.303	3
81	MP2B	Mx	0	3
82	MP2C	X	-2.817	3
83	MP2C	Z	-1.626	3
84	MP2C	Mx	-.002	3
85	MP1A	X	-5.95	.25
86	MP1A	Z	-3.435	.25
87	MP1A	Mx	.005	.25
88	MP1A	X	-5.95	3.75
89	MP1A	Z	-3.435	3.75
90	MP1A	Mx	.005	3.75
91	MP1B	X	-6.559	.25
92	MP1B	Z	-3.787	.25
93	MP1B	Mx	0	.25
94	MP1B	X	-6.559	3.75
95	MP1B	Z	-3.787	3.75
96	MP1B	Mx	0	3.75
97	MP1C	X	-5.95	.25
98	MP1C	Z	-3.435	.25
99	MP1C	Mx	-.005	.25
100	MP1C	X	-5.95	3.75
101	MP1C	Z	-3.435	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP1C	Mx	-.005	3.75
103	MP4A	X	-5.95	.25
104	MP4A	Z	-3.435	.25
105	MP4A	Mx	.005	.25
106	MP4A	X	-5.95	3.75
107	MP4A	Z	-3.435	3.75
108	MP4A	Mx	.005	3.75
109	MP4B	X	-6.559	.25
110	MP4B	Z	-3.787	.25
111	MP4B	Mx	0	.25
112	MP4B	X	-6.559	3.75
113	MP4B	Z	-3.787	3.75
114	MP4B	Mx	0	3.75
115	MP4C	X	-5.95	.25
116	MP4C	Z	-3.435	.25
117	MP4C	Mx	-.005	.25
118	MP4C	X	-5.95	3.75
119	MP4C	Z	-3.435	3.75
120	MP4C	Mx	-.005	3.75
121	M103	X	-7.4	1.5
122	M103	Z	-4.273	1.5
123	M103	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.553	.5
2	MP2A	Z	-7.887	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	-4.553	5
5	MP2A	Z	-7.887	5
6	MP2A	Mx	-.001	5
7	MP2B	X	-4.553	.5
8	MP2B	Z	-7.887	.5
9	MP2B	Mx	.009	.5
10	MP2B	X	-4.553	5
11	MP2B	Z	-7.887	5
12	MP2B	Mx	.009	5
13	MP2C	X	-3.289	.5
14	MP2C	Z	-5.697	.5
15	MP2C	Mx	-.005	.5
16	MP2C	X	-3.289	5
17	MP2C	Z	-5.697	5
18	MP2C	Mx	-.005	5
19	MP2A	X	-4.54	.5
20	MP2A	Z	-7.863	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	-4.54	5
23	MP2A	Z	-7.863	5
24	MP2A	Mx	.009	5
25	MP2B	X	-4.54	.5
26	MP2B	Z	-7.863	.5
27	MP2B	Mx	-.001	.5
28	MP2B	X	-4.54	5
29	MP2B	Z	-7.863	5
30	MP2B	Mx	-.001	5
31	MP2C	X	-3.289	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	-5.697	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	-3.289	5
35	MP2C	Z	-5.697	5
36	MP2C	Mx	-.005	5
37	MP3A	X	-2.454	1
38	MP3A	Z	-4.25	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.454	3
41	MP3A	Z	-4.25	3
42	MP3A	Mx	.002	3
43	MP3B	X	-2.454	1
44	MP3B	Z	-4.25	1
45	MP3B	Mx	.002	1
46	MP3B	X	-2.454	3
47	MP3B	Z	-4.25	3
48	MP3B	Mx	.002	3
49	MP3C	X	-1.133	1
50	MP3C	Z	-1.962	1
51	MP3C	Mx	-.002	1
52	MP3C	X	-1.133	3
53	MP3C	Z	-1.962	3
54	MP3C	Mx	-.002	3
55	M135	X	-4.667	1.5
56	M135	Z	-8.084	1.5
57	M135	Mx	0	1.5
58	MP2A	X	-1.078	.75
59	MP2A	Z	-1.867	.75
60	MP2A	Mx	-.000539	.75
61	MP2B	X	-1.078	.75
62	MP2B	Z	-1.867	.75
63	MP2B	Mx	-.000539	.75
64	MP2C	X	-.617	.75
65	MP2C	Z	-1.069	.75
66	MP2C	Mx	.000617	.75
67	MP1A	X	-2.112	2
68	MP1A	Z	-3.658	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-2.112	2
71	MP1B	Z	-3.658	2
72	MP1B	Mx	-.001	2
73	MP1C	X	-1.539	2
74	MP1C	Z	-2.666	2
75	MP1C	Mx	.002	2
76	MP2A	X	-2.077	3
77	MP2A	Z	-3.598	3
78	MP2A	Mx	.002	3
79	MP2B	X	-2.077	3
80	MP2B	Z	-3.598	3
81	MP2B	Mx	.002	3
82	MP2C	X	-1.401	3
83	MP2C	Z	-2.426	3
84	MP2C	Mx	-.002	3
85	MP1A	X	-3.669	.25
86	MP1A	Z	-6.356	.25
87	MP1A	Mx	.003	.25
88	MP1A	X	-3.669	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	-6.356	3.75
90	MP1A	Mx	.003	3.75
91	MP1B	X	-3.669	.25
92	MP1B	Z	-6.356	.25
93	MP1B	Mx	.003	.25
94	MP1B	X	-3.669	3.75
95	MP1B	Z	-6.356	3.75
96	MP1B	Mx	.003	3.75
97	MP1C	X	-3.318	.25
98	MP1C	Z	-5.747	.25
99	MP1C	Mx	-.006	.25
100	MP1C	X	-3.318	3.75
101	MP1C	Z	-5.747	3.75
102	MP1C	Mx	-.006	3.75
103	MP4A	X	-3.669	.25
104	MP4A	Z	-6.356	.25
105	MP4A	Mx	.003	.25
106	MP4A	X	-3.669	3.75
107	MP4A	Z	-6.356	3.75
108	MP4A	Mx	.003	3.75
109	MP4B	X	-3.669	.25
110	MP4B	Z	-6.356	.25
111	MP4B	Mx	.003	.25
112	MP4B	X	-3.669	3.75
113	MP4B	Z	-6.356	3.75
114	MP4B	Mx	.003	3.75
115	MP4C	X	-3.318	.25
116	MP4C	Z	-5.747	.25
117	MP4C	Mx	-.006	.25
118	MP4C	X	-3.318	3.75
119	MP4C	Z	-5.747	3.75
120	MP4C	Mx	-.006	3.75
121	M103	X	-4.667	1.5
122	M103	Z	-8.084	1.5
123	M103	Mx	0	1.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%49

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%90

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-10.666	-10.666	0	%100
2	M4	Y	-15.104	-15.104	0	%100
3	M10	Y	-15.104	-15.104	0	%100
4	MP3A	Y	-8.351	-8.351	0	%100
5	MP4A	Y	-8.351	-8.351	0	%100
6	MP2A	Y	-8.351	-8.351	0	%100
7	MP1A	Y	-8.351	-8.351	0	%100
8	M43	Y	-15.104	-15.104	0	%100
9	M46	Y	-15.853	-15.853	0	%100
10	M51B	Y	-9.284	-9.284	0	%100
11	M52B	Y	-9.284	-9.284	0	%100
12	M76	Y	-15.834	-15.834	0	%100
13	M77	Y	-15.834	-15.834	0	%100
14	M80	Y	-15.853	-15.853	0	%100
15	M84	Y	-15.834	-15.834	0	%100
16	M85	Y	-15.834	-15.834	0	%100
17	M91	Y	-15.853	-15.853	0	%100
18	M53	Y	-15.104	-15.104	0	%100
19	M54	Y	-15.104	-15.104	0	%100
20	M55	Y	-15.853	-15.853	0	%100
21	M58A	Y	-9.284	-9.284	0	%100
22	M59A	Y	-9.284	-9.284	0	%100
23	M63	Y	-15.834	-15.834	0	%100
24	M64	Y	-15.834	-15.834	0	%100
25	M66	Y	-15.853	-15.853	0	%100
26	M68	Y	-15.834	-15.834	0	%100
27	M69	Y	-15.834	-15.834	0	%100
28	M71	Y	-15.853	-15.853	0	%100
29	M77A	Y	-15.104	-15.104	0	%100
30	M78	Y	-15.104	-15.104	0	%100
31	M79A	Y	-15.853	-15.853	0	%100
32	M82	Y	-9.284	-9.284	0	%100
33	M83A	Y	-9.284	-9.284	0	%100
34	M87	Y	-15.834	-15.834	0	%100
35	M88A	Y	-15.834	-15.834	0	%100
36	M90	Y	-15.853	-15.853	0	%100
37	M92A	Y	-15.834	-15.834	0	%100
38	M93	Y	-15.834	-15.834	0	%100
39	M95	Y	-15.853	-15.853	0	%100
40	M82A	Y	-10.666	-10.666	0	%100
41	M91B	Y	-10.666	-10.666	0	%100
42	M135	Y	-8.351	-8.351	0	%100
43	M100	Y	-15.104	-15.104	0	%100
44	M101	Y	-15.104	-15.104	0	%100
45	MP3C	Y	-8.351	-8.351	0	%100
46	MP4C	Y	-8.351	-8.351	0	%100
47	MP2C	Y	-8.351	-8.351	0	%100
48	MP1C	Y	-8.351	-8.351	0	%100
49	MP3B	Y	-8.351	-8.351	0	%100
50	MP4B	Y	-8.351	-8.351	0	%100
51	MP2B	Y	-8.351	-8.351	0	%100
52	MP1B	Y	-8.351	-8.351	0	%100
53	M103	Y	-8.351	-8.351	0	%100
54	M104	Y	-9.38	-9.38	0	%100
55	M109	Y	-9.38	-9.38	0	%100
56	M114	Y	-9.38	-9.38	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,%]
57	M121	Y	-12.194	-12.194	0	%100
58	M124	Y	-12.194	-12.194	0	%100
59	M127	Y	-12.194	-12.194	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-13.563	-13.563	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.67	-12.67	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-9.204	-9.204	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-9.204	-9.204	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-9.204	-9.204	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-9.204	-9.204	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-12.67	-12.67	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-23.251	-23.251	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.228	-3.228	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.228	-3.228	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-5.92	-5.92	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-6.236	-6.236	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-5.92	-5.92	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-6.236	-6.236	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-3.167	-3.167	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-3.167	-3.167	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-5.813	-5.813	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-3.228	-3.228	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-12.911	-12.911	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-17.438	-17.438	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-5.92	-5.92	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-6.236	-6.236	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,%]
51	M68	X	0	0	0	%100
52	M68	Z	-17.438	-17.438	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-23.682	-23.682	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-24.943	-24.943	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	-3.167	-3.167	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	-3.167	-3.167	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	-5.813	-5.813	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	-12.911	-12.911	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	-3.228	-3.228	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	-17.438	-17.438	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	-23.682	-23.682	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	-24.943	-24.943	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	-17.438	-17.438	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	-5.92	-5.92	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	-6.236	-6.236	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	-3.391	-3.391	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	-3.391	-3.391	0	%100
83	M135	X	0	0	0	%100
84	M135	Z	-7.526	-7.526	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	-11.308	-11.308	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	-11.308	-11.308	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-9.204	-9.204	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-9.204	-9.204	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-9.204	-9.204	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-9.204	-9.204	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-9.204	-9.204	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-9.204	-9.204	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-9.204	-9.204	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-9.204	-9.204	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-7.526	-7.526	0	%100
107	M104	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,%]
108	M104	Z	-11.141	-11.141	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	-2.785	-2.785	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	-2.785	-2.785	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-3.492	-3.492	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	-13.967	-13.967	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-3.492	-3.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.086	5.086	0	%100
2	M1	Z	-8.81	-8.81	0	%100
3	M4	X	1.885	1.885	0	%100
4	M4	Z	-3.264	-3.264	0	%100
5	M10	X	4.751	4.751	0	%100
6	M10	Z	-8.229	-8.229	0	%100
7	MP3A	X	4.602	4.602	0	%100
8	MP3A	Z	-7.971	-7.971	0	%100
9	MP4A	X	4.602	4.602	0	%100
10	MP4A	Z	-7.971	-7.971	0	%100
11	MP2A	X	4.602	4.602	0	%100
12	MP2A	Z	-7.971	-7.971	0	%100
13	MP1A	X	4.602	4.602	0	%100
14	MP1A	Z	-7.971	-7.971	0	%100
15	M43	X	4.751	4.751	0	%100
16	M43	Z	-8.229	-8.229	0	%100
17	M46	X	8.719	8.719	0	%100
18	M46	Z	-15.102	-15.102	0	%100
19	M51B	X	4.842	4.842	0	%100
20	M51B	Z	-8.386	-8.386	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	2.906	2.906	0	%100
24	M76	Z	-5.034	-5.034	0	%100
25	M77	X	8.881	8.881	0	%100
26	M77	Z	-15.382	-15.382	0	%100
27	M80	X	9.354	9.354	0	%100
28	M80	Z	-16.201	-16.201	0	%100
29	M84	X	2.906	2.906	0	%100
30	M84	Z	-5.034	-5.034	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	4.751	4.751	0	%100
36	M53	Z	-8.229	-8.229	0	%100
37	M54	X	4.751	4.751	0	%100
38	M54	Z	-8.229	-8.229	0	%100
39	M55	X	8.719	8.719	0	%100
40	M55	Z	-15.102	-15.102	0	%100
41	M58A	X	0	0	0	%100
42	M58A	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,%]
43	M59A	X	4.842	4.842	0	%100
44	M59A	Z	-8.386	-8.386	0	%100
45	M63	X	2.906	2.906	0	%100
46	M63	Z	-5.034	-5.034	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	2.906	2.906	0	%100
52	M68	Z	-5.034	-5.034	0	%100
53	M69	X	8.881	8.881	0	%100
54	M69	Z	-15.382	-15.382	0	%100
55	M71	X	9.354	9.354	0	%100
56	M71	Z	-16.201	-16.201	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	4.842	4.842	0	%100
64	M82	Z	-8.386	-8.386	0	%100
65	M83A	X	4.842	4.842	0	%100
66	M83A	Z	-8.386	-8.386	0	%100
67	M87	X	11.626	11.626	0	%100
68	M87	Z	-20.136	-20.136	0	%100
69	M88A	X	8.881	8.881	0	%100
70	M88A	Z	-15.382	-15.382	0	%100
71	M90	X	9.354	9.354	0	%100
72	M90	Z	-16.201	-16.201	0	%100
73	M92A	X	11.626	11.626	0	%100
74	M92A	Z	-20.136	-20.136	0	%100
75	M93	X	8.881	8.881	0	%100
76	M93	Z	-15.382	-15.382	0	%100
77	M95	X	9.354	9.354	0	%100
78	M95	Z	-16.201	-16.201	0	%100
79	M82A	X	5.086	5.086	0	%100
80	M82A	Z	-8.81	-8.81	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	3.763	3.763	0	%100
84	M135	Z	-6.518	-6.518	0	%100
85	M100	X	1.885	1.885	0	%100
86	M100	Z	-3.264	-3.264	0	%100
87	M101	X	7.539	7.539	0	%100
88	M101	Z	-13.058	-13.058	0	%100
89	MP3C	X	4.602	4.602	0	%100
90	MP3C	Z	-7.971	-7.971	0	%100
91	MP4C	X	4.602	4.602	0	%100
92	MP4C	Z	-7.971	-7.971	0	%100
93	MP2C	X	4.602	4.602	0	%100
94	MP2C	Z	-7.971	-7.971	0	%100
95	MP1C	X	4.602	4.602	0	%100
96	MP1C	Z	-7.971	-7.971	0	%100
97	MP3B	X	4.602	4.602	0	%100
98	MP3B	Z	-7.971	-7.971	0	%100
99	MP4B	X	4.602	4.602	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,%]
100	MP4B	Z	-7.971	-7.971	0	%100
101	MP2B	X	4.602	4.602	0	%100
102	MP2B	Z	-7.971	-7.971	0	%100
103	MP1B	X	4.602	4.602	0	%100
104	MP1B	Z	-7.971	-7.971	0	%100
105	M103	X	3.763	3.763	0	%100
106	M103	Z	-6.518	-6.518	0	%100
107	M104	X	4.178	4.178	0	%100
108	M104	Z	-7.236	-7.236	0	%100
109	M109	X	4.178	4.178	0	%100
110	M109	Z	-7.236	-7.236	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	5.238	5.238	0	%100
116	M124	Z	-9.072	-9.072	0	%100
117	M127	X	5.238	5.238	0	%100
118	M127	Z	-9.072	-9.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.937	2.937	0	%100
2	M1	Z	-1.695	-1.695	0	%100
3	M4	X	9.793	9.793	0	%100
4	M4	Z	-5.654	-5.654	0	%100
5	M10	X	2.743	2.743	0	%100
6	M10	Z	-1.584	-1.584	0	%100
7	MP3A	X	7.971	7.971	0	%100
8	MP3A	Z	-4.602	-4.602	0	%100
9	MP4A	X	7.971	7.971	0	%100
10	MP4A	Z	-4.602	-4.602	0	%100
11	MP2A	X	7.971	7.971	0	%100
12	MP2A	Z	-4.602	-4.602	0	%100
13	MP1A	X	7.971	7.971	0	%100
14	MP1A	Z	-4.602	-4.602	0	%100
15	M43	X	2.743	2.743	0	%100
16	M43	Z	-1.584	-1.584	0	%100
17	M46	X	5.034	5.034	0	%100
18	M46	Z	-2.906	-2.906	0	%100
19	M51B	X	11.181	11.181	0	%100
20	M51B	Z	-6.455	-6.455	0	%100
21	M52B	X	2.795	2.795	0	%100
22	M52B	Z	-1.614	-1.614	0	%100
23	M76	X	15.102	15.102	0	%100
24	M76	Z	-8.719	-8.719	0	%100
25	M77	X	20.509	20.509	0	%100
26	M77	Z	-11.841	-11.841	0	%100
27	M80	X	21.602	21.602	0	%100
28	M80	Z	-12.472	-12.472	0	%100
29	M84	X	15.102	15.102	0	%100
30	M84	Z	-8.719	-8.719	0	%100
31	M85	X	5.127	5.127	0	%100
32	M85	Z	-2.96	-2.96	0	%100
33	M91	X	5.4	5.4	0	%100
34	M91	Z	-3.118	-3.118	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M53	X	10.972	10.972	0	%100
36	M53	Z	-6.335	-6.335	0	%100
37	M54	X	10.972	10.972	0	%100
38	M54	Z	-6.335	-6.335	0	%100
39	M55	X	20.136	20.136	0	%100
40	M55	Z	-11.626	-11.626	0	%100
41	M58A	X	2.795	2.795	0	%100
42	M58A	Z	-1.614	-1.614	0	%100
43	M59A	X	2.795	2.795	0	%100
44	M59A	Z	-1.614	-1.614	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	5.127	5.127	0	%100
48	M64	Z	-2.96	-2.96	0	%100
49	M66	X	5.4	5.4	0	%100
50	M66	Z	-3.118	-3.118	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	5.127	5.127	0	%100
54	M69	Z	-2.96	-2.96	0	%100
55	M71	X	5.4	5.4	0	%100
56	M71	Z	-3.118	-3.118	0	%100
57	M77A	X	2.743	2.743	0	%100
58	M77A	Z	-1.584	-1.584	0	%100
59	M78	X	2.743	2.743	0	%100
60	M78	Z	-1.584	-1.584	0	%100
61	M79A	X	5.034	5.034	0	%100
62	M79A	Z	-2.906	-2.906	0	%100
63	M82	X	2.795	2.795	0	%100
64	M82	Z	-1.614	-1.614	0	%100
65	M83A	X	11.181	11.181	0	%100
66	M83A	Z	-6.455	-6.455	0	%100
67	M87	X	15.102	15.102	0	%100
68	M87	Z	-8.719	-8.719	0	%100
69	M88A	X	5.127	5.127	0	%100
70	M88A	Z	-2.96	-2.96	0	%100
71	M90	X	5.4	5.4	0	%100
72	M90	Z	-3.118	-3.118	0	%100
73	M92A	X	15.102	15.102	0	%100
74	M92A	Z	-8.719	-8.719	0	%100
75	M93	X	20.509	20.509	0	%100
76	M93	Z	-11.841	-11.841	0	%100
77	M95	X	21.602	21.602	0	%100
78	M95	Z	-12.472	-12.472	0	%100
79	M82A	X	11.746	11.746	0	%100
80	M82A	Z	-6.782	-6.782	0	%100
81	M91B	X	2.937	2.937	0	%100
82	M91B	Z	-1.695	-1.695	0	%100
83	M135	X	6.518	6.518	0	%100
84	M135	Z	-3.763	-3.763	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	9.793	9.793	0	%100
88	M101	Z	-5.654	-5.654	0	%100
89	MP3C	X	7.971	7.971	0	%100
90	MP3C	Z	-4.602	-4.602	0	%100
91	MP4C	X	7.971	7.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	MP4C	Z	-4.602	-4.602	0	%100
93	MP2C	X	7.971	7.971	0	%100
94	MP2C	Z	-4.602	-4.602	0	%100
95	MP1C	X	7.971	7.971	0	%100
96	MP1C	Z	-4.602	-4.602	0	%100
97	MP3B	X	7.971	7.971	0	%100
98	MP3B	Z	-4.602	-4.602	0	%100
99	MP4B	X	7.971	7.971	0	%100
100	MP4B	Z	-4.602	-4.602	0	%100
101	MP2B	X	7.971	7.971	0	%100
102	MP2B	Z	-4.602	-4.602	0	%100
103	MP1B	X	7.971	7.971	0	%100
104	MP1B	Z	-4.602	-4.602	0	%100
105	M103	X	6.518	6.518	0	%100
106	M103	Z	-3.763	-3.763	0	%100
107	M104	X	2.412	2.412	0	%100
108	M104	Z	-1.393	-1.393	0	%100
109	M109	X	9.649	9.649	0	%100
110	M109	Z	-5.571	-5.571	0	%100
111	M114	X	2.412	2.412	0	%100
112	M114	Z	-1.393	-1.393	0	%100
113	M121	X	3.024	3.024	0	%100
114	M121	Z	-1.746	-1.746	0	%100
115	M124	X	3.024	3.024	0	%100
116	M124	Z	-1.746	-1.746	0	%100
117	M127	X	12.095	12.095	0	%100
118	M127	Z	-6.983	-6.983	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	15.078	15.078	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	9.204	9.204	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	9.204	9.204	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	9.204	9.204	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	9.204	9.204	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	9.683	9.683	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	9.683	9.683	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	23.251	23.251	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	17.761	17.761	0	%100
26	M77	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M80	X	18.708	18.708	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	23.251	23.251	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	17.761	17.761	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	18.708	18.708	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	9.502	9.502	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	9.502	9.502	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	17.438	17.438	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	9.683	9.683	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	5.813	5.813	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	17.761	17.761	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	18.708	18.708	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	5.813	5.813	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M77A	X	9.502	9.502	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	9.502	9.502	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	17.438	17.438	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	0	0	0	%100
65	M83A	X	9.683	9.683	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	5.813	5.813	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	0	0	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	0	0	0	%100
73	M92A	X	5.813	5.813	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	17.761	17.761	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	18.708	18.708	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	10.172	10.172	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	10.172	10.172	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	7.526	7.526	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,%]
84	M135	Z	0	0	0	%100
85	M100	X	3.769	3.769	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	3.769	3.769	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	9.204	9.204	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	9.204	9.204	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	9.204	9.204	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	9.204	9.204	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	9.204	9.204	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	9.204	9.204	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	9.204	9.204	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	9.204	9.204	0	%100
104	MP1B	Z	0	0	0	%100
105	M103	X	7.526	7.526	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M109	X	8.356	8.356	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	8.356	8.356	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	10.475	10.475	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	0	0	0	%100
117	M127	X	10.475	10.475	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.937	2.937	0	%100
2	M1	Z	1.695	1.695	0	%100
3	M4	X	9.793	9.793	0	%100
4	M4	Z	5.654	5.654	0	%100
5	M10	X	2.743	2.743	0	%100
6	M10	Z	1.584	1.584	0	%100
7	MP3A	X	7.971	7.971	0	%100
8	MP3A	Z	4.602	4.602	0	%100
9	MP4A	X	7.971	7.971	0	%100
10	MP4A	Z	4.602	4.602	0	%100
11	MP2A	X	7.971	7.971	0	%100
12	MP2A	Z	4.602	4.602	0	%100
13	MP1A	X	7.971	7.971	0	%100
14	MP1A	Z	4.602	4.602	0	%100
15	M43	X	2.743	2.743	0	%100
16	M43	Z	1.584	1.584	0	%100
17	M46	X	5.034	5.034	0	%100
18	M46	Z	2.906	2.906	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,%]
19	M51B	X	2.795	2.795	0	%100
20	M51B	Z	1.614	1.614	0	%100
21	M52B	X	11.181	11.181	0	%100
22	M52B	Z	6.455	6.455	0	%100
23	M76	X	15.102	15.102	0	%100
24	M76	Z	8.719	8.719	0	%100
25	M77	X	5.127	5.127	0	%100
26	M77	Z	2.96	2.96	0	%100
27	M80	X	5.4	5.4	0	%100
28	M80	Z	3.118	3.118	0	%100
29	M84	X	15.102	15.102	0	%100
30	M84	Z	8.719	8.719	0	%100
31	M85	X	20.509	20.509	0	%100
32	M85	Z	11.841	11.841	0	%100
33	M91	X	21.602	21.602	0	%100
34	M91	Z	12.472	12.472	0	%100
35	M53	X	2.743	2.743	0	%100
36	M53	Z	1.584	1.584	0	%100
37	M54	X	2.743	2.743	0	%100
38	M54	Z	1.584	1.584	0	%100
39	M55	X	5.034	5.034	0	%100
40	M55	Z	2.906	2.906	0	%100
41	M58A	X	11.181	11.181	0	%100
42	M58A	Z	6.455	6.455	0	%100
43	M59A	X	2.795	2.795	0	%100
44	M59A	Z	1.614	1.614	0	%100
45	M63	X	15.102	15.102	0	%100
46	M63	Z	8.719	8.719	0	%100
47	M64	X	20.509	20.509	0	%100
48	M64	Z	11.841	11.841	0	%100
49	M66	X	21.602	21.602	0	%100
50	M66	Z	12.472	12.472	0	%100
51	M68	X	15.102	15.102	0	%100
52	M68	Z	8.719	8.719	0	%100
53	M69	X	5.127	5.127	0	%100
54	M69	Z	2.96	2.96	0	%100
55	M71	X	5.4	5.4	0	%100
56	M71	Z	3.118	3.118	0	%100
57	M77A	X	10.972	10.972	0	%100
58	M77A	Z	6.335	6.335	0	%100
59	M78	X	10.972	10.972	0	%100
60	M78	Z	6.335	6.335	0	%100
61	M79A	X	20.136	20.136	0	%100
62	M79A	Z	11.626	11.626	0	%100
63	M82	X	2.795	2.795	0	%100
64	M82	Z	1.614	1.614	0	%100
65	M83A	X	2.795	2.795	0	%100
66	M83A	Z	1.614	1.614	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	5.127	5.127	0	%100
70	M88A	Z	2.96	2.96	0	%100
71	M90	X	5.4	5.4	0	%100
72	M90	Z	3.118	3.118	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	5.127	5.127	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,%]
76	M93	Z	2.96	2.96	0	%100
77	M95	X	5.4	5.4	0	%100
78	M95	Z	3.118	3.118	0	%100
79	M82A	X	2.937	2.937	0	%100
80	M82A	Z	1.695	1.695	0	%100
81	M91B	X	11.746	11.746	0	%100
82	M91B	Z	6.782	6.782	0	%100
83	M135	X	6.518	6.518	0	%100
84	M135	Z	3.763	3.763	0	%100
85	M100	X	9.793	9.793	0	%100
86	M100	Z	5.654	5.654	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	7.971	7.971	0	%100
90	MP3C	Z	4.602	4.602	0	%100
91	MP4C	X	7.971	7.971	0	%100
92	MP4C	Z	4.602	4.602	0	%100
93	MP2C	X	7.971	7.971	0	%100
94	MP2C	Z	4.602	4.602	0	%100
95	MP1C	X	7.971	7.971	0	%100
96	MP1C	Z	4.602	4.602	0	%100
97	MP3B	X	7.971	7.971	0	%100
98	MP3B	Z	4.602	4.602	0	%100
99	MP4B	X	7.971	7.971	0	%100
100	MP4B	Z	4.602	4.602	0	%100
101	MP2B	X	7.971	7.971	0	%100
102	MP2B	Z	4.602	4.602	0	%100
103	MP1B	X	7.971	7.971	0	%100
104	MP1B	Z	4.602	4.602	0	%100
105	M103	X	6.518	6.518	0	%100
106	M103	Z	3.763	3.763	0	%100
107	M104	X	2.412	2.412	0	%100
108	M104	Z	1.393	1.393	0	%100
109	M109	X	2.412	2.412	0	%100
110	M109	Z	1.393	1.393	0	%100
111	M114	X	9.649	9.649	0	%100
112	M114	Z	5.571	5.571	0	%100
113	M121	X	12.095	12.095	0	%100
114	M121	Z	6.983	6.983	0	%100
115	M124	X	3.024	3.024	0	%100
116	M124	Z	1.746	1.746	0	%100
117	M127	X	3.024	3.024	0	%100
118	M127	Z	1.746	1.746	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.086	5.086	0	%100
2	M1	Z	8.81	8.81	0	%100
3	M4	X	1.885	1.885	0	%100
4	M4	Z	3.264	3.264	0	%100
5	M10	X	4.751	4.751	0	%100
6	M10	Z	8.229	8.229	0	%100
7	MP3A	X	4.602	4.602	0	%100
8	MP3A	Z	7.971	7.971	0	%100
9	MP4A	X	4.602	4.602	0	%100
10	MP4A	Z	7.971	7.971	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,%]
11	MP2A	X	4.602	4.602	0	%100
12	MP2A	Z	7.971	7.971	0	%100
13	MP1A	X	4.602	4.602	0	%100
14	MP1A	Z	7.971	7.971	0	%100
15	M43	X	4.751	4.751	0	%100
16	M43	Z	8.229	8.229	0	%100
17	M46	X	8.719	8.719	0	%100
18	M46	Z	15.102	15.102	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	4.842	4.842	0	%100
22	M52B	Z	8.386	8.386	0	%100
23	M76	X	2.906	2.906	0	%100
24	M76	Z	5.034	5.034	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	2.906	2.906	0	%100
30	M84	Z	5.034	5.034	0	%100
31	M85	X	8.881	8.881	0	%100
32	M85	Z	15.382	15.382	0	%100
33	M91	X	9.354	9.354	0	%100
34	M91	Z	16.201	16.201	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	4.842	4.842	0	%100
42	M58A	Z	8.386	8.386	0	%100
43	M59A	X	4.842	4.842	0	%100
44	M59A	Z	8.386	8.386	0	%100
45	M63	X	11.626	11.626	0	%100
46	M63	Z	20.136	20.136	0	%100
47	M64	X	8.881	8.881	0	%100
48	M64	Z	15.382	15.382	0	%100
49	M66	X	9.354	9.354	0	%100
50	M66	Z	16.201	16.201	0	%100
51	M68	X	11.626	11.626	0	%100
52	M68	Z	20.136	20.136	0	%100
53	M69	X	8.881	8.881	0	%100
54	M69	Z	15.382	15.382	0	%100
55	M71	X	9.354	9.354	0	%100
56	M71	Z	16.201	16.201	0	%100
57	M77A	X	4.751	4.751	0	%100
58	M77A	Z	8.229	8.229	0	%100
59	M78	X	4.751	4.751	0	%100
60	M78	Z	8.229	8.229	0	%100
61	M79A	X	8.719	8.719	0	%100
62	M79A	Z	15.102	15.102	0	%100
63	M82	X	4.842	4.842	0	%100
64	M82	Z	8.386	8.386	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	2.906	2.906	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,%]
68	M87	Z	5.034	5.034	0	%100
69	M88A	X	8.881	8.881	0	%100
70	M88A	Z	15.382	15.382	0	%100
71	M90	X	9.354	9.354	0	%100
72	M90	Z	16.201	16.201	0	%100
73	M92A	X	2.906	2.906	0	%100
74	M92A	Z	5.034	5.034	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	5.086	5.086	0	%100
82	M91B	Z	8.81	8.81	0	%100
83	M135	X	3.763	3.763	0	%100
84	M135	Z	6.518	6.518	0	%100
85	M100	X	7.539	7.539	0	%100
86	M100	Z	13.058	13.058	0	%100
87	M101	X	1.885	1.885	0	%100
88	M101	Z	3.264	3.264	0	%100
89	MP3C	X	4.602	4.602	0	%100
90	MP3C	Z	7.971	7.971	0	%100
91	MP4C	X	4.602	4.602	0	%100
92	MP4C	Z	7.971	7.971	0	%100
93	MP2C	X	4.602	4.602	0	%100
94	MP2C	Z	7.971	7.971	0	%100
95	MP1C	X	4.602	4.602	0	%100
96	MP1C	Z	7.971	7.971	0	%100
97	MP3B	X	4.602	4.602	0	%100
98	MP3B	Z	7.971	7.971	0	%100
99	MP4B	X	4.602	4.602	0	%100
100	MP4B	Z	7.971	7.971	0	%100
101	MP2B	X	4.602	4.602	0	%100
102	MP2B	Z	7.971	7.971	0	%100
103	MP1B	X	4.602	4.602	0	%100
104	MP1B	Z	7.971	7.971	0	%100
105	M103	X	3.763	3.763	0	%100
106	M103	Z	6.518	6.518	0	%100
107	M104	X	4.178	4.178	0	%100
108	M104	Z	7.236	7.236	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	4.178	4.178	0	%100
112	M114	Z	7.236	7.236	0	%100
113	M121	X	5.238	5.238	0	%100
114	M121	Z	9.072	9.072	0	%100
115	M124	X	5.238	5.238	0	%100
116	M124	Z	9.072	9.072	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	13.563	13.563	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,%]
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.67	12.67	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	9.204	9.204	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	9.204	9.204	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	9.204	9.204	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	9.204	9.204	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	12.67	12.67	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	23.251	23.251	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.228	3.228	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	3.228	3.228	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	5.92	5.92	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	6.236	6.236	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	5.92	5.92	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	6.236	6.236	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	3.167	3.167	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	3.167	3.167	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	5.813	5.813	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	3.228	3.228	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	12.911	12.911	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	17.438	17.438	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	5.92	5.92	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	6.236	6.236	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	17.438	17.438	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	23.682	23.682	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	24.943	24.943	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	3.167	3.167	0	%100
59	M78	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,%]
60	M78	Z	3.167	3.167	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	5.813	5.813	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	12.911	12.911	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	3.228	3.228	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	17.438	17.438	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	23.682	23.682	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	24.943	24.943	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	17.438	17.438	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	5.92	5.92	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	6.236	6.236	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	3.391	3.391	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	3.391	3.391	0	%100
83	M135	X	0	0	0	%100
84	M135	Z	7.526	7.526	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	11.308	11.308	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	11.308	11.308	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	9.204	9.204	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	9.204	9.204	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	9.204	9.204	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	9.204	9.204	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	9.204	9.204	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	9.204	9.204	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	9.204	9.204	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	9.204	9.204	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	7.526	7.526	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	11.141	11.141	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	2.785	2.785	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	2.785	2.785	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	3.492	3.492	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	13.967	13.967	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,%]
117	M127	X	0	0	0	%100
118	M127	Z	3.492	3.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.086	-5.086	0	%100
2	M1	Z	8.81	8.81	0	%100
3	M4	X	-1.885	-1.885	0	%100
4	M4	Z	3.264	3.264	0	%100
5	M10	X	-4.751	-4.751	0	%100
6	M10	Z	8.229	8.229	0	%100
7	MP3A	X	-4.602	-4.602	0	%100
8	MP3A	Z	7.971	7.971	0	%100
9	MP4A	X	-4.602	-4.602	0	%100
10	MP4A	Z	7.971	7.971	0	%100
11	MP2A	X	-4.602	-4.602	0	%100
12	MP2A	Z	7.971	7.971	0	%100
13	MP1A	X	-4.602	-4.602	0	%100
14	MP1A	Z	7.971	7.971	0	%100
15	M43	X	-4.751	-4.751	0	%100
16	M43	Z	8.229	8.229	0	%100
17	M46	X	-8.719	-8.719	0	%100
18	M46	Z	15.102	15.102	0	%100
19	M51B	X	-4.842	-4.842	0	%100
20	M51B	Z	8.386	8.386	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-2.906	-2.906	0	%100
24	M76	Z	5.034	5.034	0	%100
25	M77	X	-8.881	-8.881	0	%100
26	M77	Z	15.382	15.382	0	%100
27	M80	X	-9.354	-9.354	0	%100
28	M80	Z	16.201	16.201	0	%100
29	M84	X	-2.906	-2.906	0	%100
30	M84	Z	5.034	5.034	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	-4.751	-4.751	0	%100
36	M53	Z	8.229	8.229	0	%100
37	M54	X	-4.751	-4.751	0	%100
38	M54	Z	8.229	8.229	0	%100
39	M55	X	-8.719	-8.719	0	%100
40	M55	Z	15.102	15.102	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-4.842	-4.842	0	%100
44	M59A	Z	8.386	8.386	0	%100
45	M63	X	-2.906	-2.906	0	%100
46	M63	Z	5.034	5.034	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-2.906	-2.906	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,%]
52	M68	Z	5.034	5.034	0	%100
53	M69	X	-8.881	-8.881	0	%100
54	M69	Z	15.382	15.382	0	%100
55	M71	X	-9.354	-9.354	0	%100
56	M71	Z	16.201	16.201	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	-4.842	-4.842	0	%100
64	M82	Z	8.386	8.386	0	%100
65	M83A	X	-4.842	-4.842	0	%100
66	M83A	Z	8.386	8.386	0	%100
67	M87	X	-11.626	-11.626	0	%100
68	M87	Z	20.136	20.136	0	%100
69	M88A	X	-8.881	-8.881	0	%100
70	M88A	Z	15.382	15.382	0	%100
71	M90	X	-9.354	-9.354	0	%100
72	M90	Z	16.201	16.201	0	%100
73	M92A	X	-11.626	-11.626	0	%100
74	M92A	Z	20.136	20.136	0	%100
75	M93	X	-8.881	-8.881	0	%100
76	M93	Z	15.382	15.382	0	%100
77	M95	X	-9.354	-9.354	0	%100
78	M95	Z	16.201	16.201	0	%100
79	M82A	X	-5.086	-5.086	0	%100
80	M82A	Z	8.81	8.81	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	-3.763	-3.763	0	%100
84	M135	Z	6.518	6.518	0	%100
85	M100	X	-1.885	-1.885	0	%100
86	M100	Z	3.264	3.264	0	%100
87	M101	X	-7.539	-7.539	0	%100
88	M101	Z	13.058	13.058	0	%100
89	MP3C	X	-4.602	-4.602	0	%100
90	MP3C	Z	7.971	7.971	0	%100
91	MP4C	X	-4.602	-4.602	0	%100
92	MP4C	Z	7.971	7.971	0	%100
93	MP2C	X	-4.602	-4.602	0	%100
94	MP2C	Z	7.971	7.971	0	%100
95	MP1C	X	-4.602	-4.602	0	%100
96	MP1C	Z	7.971	7.971	0	%100
97	MP3B	X	-4.602	-4.602	0	%100
98	MP3B	Z	7.971	7.971	0	%100
99	MP4B	X	-4.602	-4.602	0	%100
100	MP4B	Z	7.971	7.971	0	%100
101	MP2B	X	-4.602	-4.602	0	%100
102	MP2B	Z	7.971	7.971	0	%100
103	MP1B	X	-4.602	-4.602	0	%100
104	MP1B	Z	7.971	7.971	0	%100
105	M103	X	-3.763	-3.763	0	%100
106	M103	Z	6.518	6.518	0	%100
107	M104	X	-4.178	-4.178	0	%100
108	M104	Z	7.236	7.236	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,%]
109	M109	X	-4.178	-4.178	0	%100
110	M109	Z	7.236	7.236	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	-5.238	-5.238	0	%100
116	M124	Z	9.072	9.072	0	%100
117	M127	X	-5.238	-5.238	0	%100
118	M127	Z	9.072	9.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.937	-2.937	0	%100
2	M1	Z	1.695	1.695	0	%100
3	M4	X	-9.793	-9.793	0	%100
4	M4	Z	5.654	5.654	0	%100
5	M10	X	-2.743	-2.743	0	%100
6	M10	Z	1.584	1.584	0	%100
7	MP3A	X	-7.971	-7.971	0	%100
8	MP3A	Z	4.602	4.602	0	%100
9	MP4A	X	-7.971	-7.971	0	%100
10	MP4A	Z	4.602	4.602	0	%100
11	MP2A	X	-7.971	-7.971	0	%100
12	MP2A	Z	4.602	4.602	0	%100
13	MP1A	X	-7.971	-7.971	0	%100
14	MP1A	Z	4.602	4.602	0	%100
15	M43	X	-2.743	-2.743	0	%100
16	M43	Z	1.584	1.584	0	%100
17	M46	X	-5.034	-5.034	0	%100
18	M46	Z	2.906	2.906	0	%100
19	M51B	X	-11.181	-11.181	0	%100
20	M51B	Z	6.455	6.455	0	%100
21	M52B	X	-2.795	-2.795	0	%100
22	M52B	Z	1.614	1.614	0	%100
23	M76	X	-15.102	-15.102	0	%100
24	M76	Z	8.719	8.719	0	%100
25	M77	X	-20.509	-20.509	0	%100
26	M77	Z	11.841	11.841	0	%100
27	M80	X	-21.602	-21.602	0	%100
28	M80	Z	12.472	12.472	0	%100
29	M84	X	-15.102	-15.102	0	%100
30	M84	Z	8.719	8.719	0	%100
31	M85	X	-5.127	-5.127	0	%100
32	M85	Z	2.96	2.96	0	%100
33	M91	X	-5.4	-5.4	0	%100
34	M91	Z	3.118	3.118	0	%100
35	M53	X	-10.972	-10.972	0	%100
36	M53	Z	6.335	6.335	0	%100
37	M54	X	-10.972	-10.972	0	%100
38	M54	Z	6.335	6.335	0	%100
39	M55	X	-20.136	-20.136	0	%100
40	M55	Z	11.626	11.626	0	%100
41	M58A	X	-2.795	-2.795	0	%100
42	M58A	Z	1.614	1.614	0	%100
43	M59A	X	-2.795	-2.795	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,%]
44	M59A	Z	1.614	1.614	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-5.127	-5.127	0	%100
48	M64	Z	2.96	2.96	0	%100
49	M66	X	-5.4	-5.4	0	%100
50	M66	Z	3.118	3.118	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-5.127	-5.127	0	%100
54	M69	Z	2.96	2.96	0	%100
55	M71	X	-5.4	-5.4	0	%100
56	M71	Z	3.118	3.118	0	%100
57	M77A	X	-2.743	-2.743	0	%100
58	M77A	Z	1.584	1.584	0	%100
59	M78	X	-2.743	-2.743	0	%100
60	M78	Z	1.584	1.584	0	%100
61	M79A	X	-5.034	-5.034	0	%100
62	M79A	Z	2.906	2.906	0	%100
63	M82	X	-2.795	-2.795	0	%100
64	M82	Z	1.614	1.614	0	%100
65	M83A	X	-11.181	-11.181	0	%100
66	M83A	Z	6.455	6.455	0	%100
67	M87	X	-15.102	-15.102	0	%100
68	M87	Z	8.719	8.719	0	%100
69	M88A	X	-5.127	-5.127	0	%100
70	M88A	Z	2.96	2.96	0	%100
71	M90	X	-5.4	-5.4	0	%100
72	M90	Z	3.118	3.118	0	%100
73	M92A	X	-15.102	-15.102	0	%100
74	M92A	Z	8.719	8.719	0	%100
75	M93	X	-20.509	-20.509	0	%100
76	M93	Z	11.841	11.841	0	%100
77	M95	X	-21.602	-21.602	0	%100
78	M95	Z	12.472	12.472	0	%100
79	M82A	X	-11.746	-11.746	0	%100
80	M82A	Z	6.782	6.782	0	%100
81	M91B	X	-2.937	-2.937	0	%100
82	M91B	Z	1.695	1.695	0	%100
83	M135	X	-6.518	-6.518	0	%100
84	M135	Z	3.763	3.763	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	-9.793	-9.793	0	%100
88	M101	Z	5.654	5.654	0	%100
89	MP3C	X	-7.971	-7.971	0	%100
90	MP3C	Z	4.602	4.602	0	%100
91	MP4C	X	-7.971	-7.971	0	%100
92	MP4C	Z	4.602	4.602	0	%100
93	MP2C	X	-7.971	-7.971	0	%100
94	MP2C	Z	4.602	4.602	0	%100
95	MP1C	X	-7.971	-7.971	0	%100
96	MP1C	Z	4.602	4.602	0	%100
97	MP3B	X	-7.971	-7.971	0	%100
98	MP3B	Z	4.602	4.602	0	%100
99	MP4B	X	-7.971	-7.971	0	%100
100	MP4B	Z	4.602	4.602	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,%]
101	MP2B	X	-7.971	-7.971	0	%100
102	MP2B	Z	4.602	4.602	0	%100
103	MP1B	X	-7.971	-7.971	0	%100
104	MP1B	Z	4.602	4.602	0	%100
105	M103	X	-6.518	-6.518	0	%100
106	M103	Z	3.763	3.763	0	%100
107	M104	X	-2.412	-2.412	0	%100
108	M104	Z	1.393	1.393	0	%100
109	M109	X	-9.649	-9.649	0	%100
110	M109	Z	5.571	5.571	0	%100
111	M114	X	-2.412	-2.412	0	%100
112	M114	Z	1.393	1.393	0	%100
113	M121	X	-3.024	-3.024	0	%100
114	M121	Z	1.746	1.746	0	%100
115	M124	X	-3.024	-3.024	0	%100
116	M124	Z	1.746	1.746	0	%100
117	M127	X	-12.095	-12.095	0	%100
118	M127	Z	6.983	6.983	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-15.078	-15.078	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-9.204	-9.204	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-9.204	-9.204	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-9.204	-9.204	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-9.204	-9.204	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-9.683	-9.683	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-9.683	-9.683	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-23.251	-23.251	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-17.761	-17.761	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-18.708	-18.708	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-23.251	-23.251	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-17.761	-17.761	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-18.708	-18.708	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	-9.502	-9.502	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,%]
36	M53	Z	0	0	0	%100
37	M54	X	-9.502	-9.502	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-17.438	-17.438	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-9.683	-9.683	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-5.813	-5.813	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-17.761	-17.761	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-18.708	-18.708	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-5.813	-5.813	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M77A	X	-9.502	-9.502	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	-9.502	-9.502	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	-17.438	-17.438	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	0	0	0	%100
65	M83A	X	-9.683	-9.683	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	-5.813	-5.813	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	0	0	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	0	0	0	%100
73	M92A	X	-5.813	-5.813	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	-17.761	-17.761	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	-18.708	-18.708	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	-10.172	-10.172	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	-10.172	-10.172	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	-7.526	-7.526	0	%100
84	M135	Z	0	0	0	%100
85	M100	X	-3.769	-3.769	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	-3.769	-3.769	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-9.204	-9.204	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-9.204	-9.204	0	%100
92	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP2C	X	-9.204	-9.204	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-9.204	-9.204	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	-9.204	-9.204	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	-9.204	-9.204	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	-9.204	-9.204	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-9.204	-9.204	0	%100
104	MP1B	Z	0	0	0	%100
105	M103	X	-7.526	-7.526	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M109	X	-8.356	-8.356	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	-8.356	-8.356	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	-10.475	-10.475	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	0	0	0	%100
117	M127	X	-10.475	-10.475	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.937	-2.937	0	%100
2	M1	Z	-1.695	-1.695	0	%100
3	M4	X	-9.793	-9.793	0	%100
4	M4	Z	-5.654	-5.654	0	%100
5	M10	X	-2.743	-2.743	0	%100
6	M10	Z	-1.584	-1.584	0	%100
7	MP3A	X	-7.971	-7.971	0	%100
8	MP3A	Z	-4.602	-4.602	0	%100
9	MP4A	X	-7.971	-7.971	0	%100
10	MP4A	Z	-4.602	-4.602	0	%100
11	MP2A	X	-7.971	-7.971	0	%100
12	MP2A	Z	-4.602	-4.602	0	%100
13	MP1A	X	-7.971	-7.971	0	%100
14	MP1A	Z	-4.602	-4.602	0	%100
15	M43	X	-2.743	-2.743	0	%100
16	M43	Z	-1.584	-1.584	0	%100
17	M46	X	-5.034	-5.034	0	%100
18	M46	Z	-2.906	-2.906	0	%100
19	M51B	X	-2.795	-2.795	0	%100
20	M51B	Z	-1.614	-1.614	0	%100
21	M52B	X	-11.181	-11.181	0	%100
22	M52B	Z	-6.455	-6.455	0	%100
23	M76	X	-15.102	-15.102	0	%100
24	M76	Z	-8.719	-8.719	0	%100
25	M77	X	-5.127	-5.127	0	%100
26	M77	Z	-2.96	-2.96	0	%100
27	M80	X	-5.4	-5.4	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,%]
28	M80	Z	-3.118	-3.118	0	%100
29	M84	X	-15.102	-15.102	0	%100
30	M84	Z	-8.719	-8.719	0	%100
31	M85	X	-20.509	-20.509	0	%100
32	M85	Z	-11.841	-11.841	0	%100
33	M91	X	-21.602	-21.602	0	%100
34	M91	Z	-12.472	-12.472	0	%100
35	M53	X	-2.743	-2.743	0	%100
36	M53	Z	-1.584	-1.584	0	%100
37	M54	X	-2.743	-2.743	0	%100
38	M54	Z	-1.584	-1.584	0	%100
39	M55	X	-5.034	-5.034	0	%100
40	M55	Z	-2.906	-2.906	0	%100
41	M58A	X	-11.181	-11.181	0	%100
42	M58A	Z	-6.455	-6.455	0	%100
43	M59A	X	-2.795	-2.795	0	%100
44	M59A	Z	-1.614	-1.614	0	%100
45	M63	X	-15.102	-15.102	0	%100
46	M63	Z	-8.719	-8.719	0	%100
47	M64	X	-20.509	-20.509	0	%100
48	M64	Z	-11.841	-11.841	0	%100
49	M66	X	-21.602	-21.602	0	%100
50	M66	Z	-12.472	-12.472	0	%100
51	M68	X	-15.102	-15.102	0	%100
52	M68	Z	-8.719	-8.719	0	%100
53	M69	X	-5.127	-5.127	0	%100
54	M69	Z	-2.96	-2.96	0	%100
55	M71	X	-5.4	-5.4	0	%100
56	M71	Z	-3.118	-3.118	0	%100
57	M77A	X	-10.972	-10.972	0	%100
58	M77A	Z	-6.335	-6.335	0	%100
59	M78	X	-10.972	-10.972	0	%100
60	M78	Z	-6.335	-6.335	0	%100
61	M79A	X	-20.136	-20.136	0	%100
62	M79A	Z	-11.626	-11.626	0	%100
63	M82	X	-2.795	-2.795	0	%100
64	M82	Z	-1.614	-1.614	0	%100
65	M83A	X	-2.795	-2.795	0	%100
66	M83A	Z	-1.614	-1.614	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	-5.127	-5.127	0	%100
70	M88A	Z	-2.96	-2.96	0	%100
71	M90	X	-5.4	-5.4	0	%100
72	M90	Z	-3.118	-3.118	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	-5.127	-5.127	0	%100
76	M93	Z	-2.96	-2.96	0	%100
77	M95	X	-5.4	-5.4	0	%100
78	M95	Z	-3.118	-3.118	0	%100
79	M82A	X	-2.937	-2.937	0	%100
80	M82A	Z	-1.695	-1.695	0	%100
81	M91B	X	-11.746	-11.746	0	%100
82	M91B	Z	-6.782	-6.782	0	%100
83	M135	X	-6.518	-6.518	0	%100
84	M135	Z	-3.763	-3.763	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,%]
85	M100	X	-9.793	-9.793	0	%100
86	M100	Z	-5.654	-5.654	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-7.971	-7.971	0	%100
90	MP3C	Z	-4.602	-4.602	0	%100
91	MP4C	X	-7.971	-7.971	0	%100
92	MP4C	Z	-4.602	-4.602	0	%100
93	MP2C	X	-7.971	-7.971	0	%100
94	MP2C	Z	-4.602	-4.602	0	%100
95	MP1C	X	-7.971	-7.971	0	%100
96	MP1C	Z	-4.602	-4.602	0	%100
97	MP3B	X	-7.971	-7.971	0	%100
98	MP3B	Z	-4.602	-4.602	0	%100
99	MP4B	X	-7.971	-7.971	0	%100
100	MP4B	Z	-4.602	-4.602	0	%100
101	MP2B	X	-7.971	-7.971	0	%100
102	MP2B	Z	-4.602	-4.602	0	%100
103	MP1B	X	-7.971	-7.971	0	%100
104	MP1B	Z	-4.602	-4.602	0	%100
105	M103	X	-6.518	-6.518	0	%100
106	M103	Z	-3.763	-3.763	0	%100
107	M104	X	-2.412	-2.412	0	%100
108	M104	Z	-1.393	-1.393	0	%100
109	M109	X	-2.412	-2.412	0	%100
110	M109	Z	-1.393	-1.393	0	%100
111	M114	X	-9.649	-9.649	0	%100
112	M114	Z	-5.571	-5.571	0	%100
113	M121	X	-12.095	-12.095	0	%100
114	M121	Z	-6.983	-6.983	0	%100
115	M124	X	-3.024	-3.024	0	%100
116	M124	Z	-1.746	-1.746	0	%100
117	M127	X	-3.024	-3.024	0	%100
118	M127	Z	-1.746	-1.746	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.086	-5.086	0	%100
2	M1	Z	-8.81	-8.81	0	%100
3	M4	X	-1.885	-1.885	0	%100
4	M4	Z	-3.264	-3.264	0	%100
5	M10	X	-4.751	-4.751	0	%100
6	M10	Z	-8.229	-8.229	0	%100
7	MP3A	X	-4.602	-4.602	0	%100
8	MP3A	Z	-7.971	-7.971	0	%100
9	MP4A	X	-4.602	-4.602	0	%100
10	MP4A	Z	-7.971	-7.971	0	%100
11	MP2A	X	-4.602	-4.602	0	%100
12	MP2A	Z	-7.971	-7.971	0	%100
13	MP1A	X	-4.602	-4.602	0	%100
14	MP1A	Z	-7.971	-7.971	0	%100
15	M43	X	-4.751	-4.751	0	%100
16	M43	Z	-8.229	-8.229	0	%100
17	M46	X	-8.719	-8.719	0	%100
18	M46	Z	-15.102	-15.102	0	%100
19	M51B	X	0	0	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,%]
20	M51B	Z	0	0	0	%100
21	M52B	X	-4.842	-4.842	0	%100
22	M52B	Z	-8.386	-8.386	0	%100
23	M76	X	-2.906	-2.906	0	%100
24	M76	Z	-5.034	-5.034	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-2.906	-2.906	0	%100
30	M84	Z	-5.034	-5.034	0	%100
31	M85	X	-8.881	-8.881	0	%100
32	M85	Z	-15.382	-15.382	0	%100
33	M91	X	-9.354	-9.354	0	%100
34	M91	Z	-16.201	-16.201	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-4.842	-4.842	0	%100
42	M58A	Z	-8.386	-8.386	0	%100
43	M59A	X	-4.842	-4.842	0	%100
44	M59A	Z	-8.386	-8.386	0	%100
45	M63	X	-11.626	-11.626	0	%100
46	M63	Z	-20.136	-20.136	0	%100
47	M64	X	-8.881	-8.881	0	%100
48	M64	Z	-15.382	-15.382	0	%100
49	M66	X	-9.354	-9.354	0	%100
50	M66	Z	-16.201	-16.201	0	%100
51	M68	X	-11.626	-11.626	0	%100
52	M68	Z	-20.136	-20.136	0	%100
53	M69	X	-8.881	-8.881	0	%100
54	M69	Z	-15.382	-15.382	0	%100
55	M71	X	-9.354	-9.354	0	%100
56	M71	Z	-16.201	-16.201	0	%100
57	M77A	X	-4.751	-4.751	0	%100
58	M77A	Z	-8.229	-8.229	0	%100
59	M78	X	-4.751	-4.751	0	%100
60	M78	Z	-8.229	-8.229	0	%100
61	M79A	X	-8.719	-8.719	0	%100
62	M79A	Z	-15.102	-15.102	0	%100
63	M82	X	-4.842	-4.842	0	%100
64	M82	Z	-8.386	-8.386	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	-2.906	-2.906	0	%100
68	M87	Z	-5.034	-5.034	0	%100
69	M88A	X	-8.881	-8.881	0	%100
70	M88A	Z	-15.382	-15.382	0	%100
71	M90	X	-9.354	-9.354	0	%100
72	M90	Z	-16.201	-16.201	0	%100
73	M92A	X	-2.906	-2.906	0	%100
74	M92A	Z	-5.034	-5.034	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	0	0	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,%]
77	M95	X	0	0	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	-5.086	-5.086	0	%100
82	M91B	Z	-8.81	-8.81	0	%100
83	M135	X	-3.763	-3.763	0	%100
84	M135	Z	-6.518	-6.518	0	%100
85	M100	X	-7.539	-7.539	0	%100
86	M100	Z	-13.058	-13.058	0	%100
87	M101	X	-1.885	-1.885	0	%100
88	M101	Z	-3.264	-3.264	0	%100
89	MP3C	X	-4.602	-4.602	0	%100
90	MP3C	Z	-7.971	-7.971	0	%100
91	MP4C	X	-4.602	-4.602	0	%100
92	MP4C	Z	-7.971	-7.971	0	%100
93	MP2C	X	-4.602	-4.602	0	%100
94	MP2C	Z	-7.971	-7.971	0	%100
95	MP1C	X	-4.602	-4.602	0	%100
96	MP1C	Z	-7.971	-7.971	0	%100
97	MP3B	X	-4.602	-4.602	0	%100
98	MP3B	Z	-7.971	-7.971	0	%100
99	MP4B	X	-4.602	-4.602	0	%100
100	MP4B	Z	-7.971	-7.971	0	%100
101	MP2B	X	-4.602	-4.602	0	%100
102	MP2B	Z	-7.971	-7.971	0	%100
103	MP1B	X	-4.602	-4.602	0	%100
104	MP1B	Z	-7.971	-7.971	0	%100
105	M103	X	-3.763	-3.763	0	%100
106	M103	Z	-6.518	-6.518	0	%100
107	M104	X	-4.178	-4.178	0	%100
108	M104	Z	-7.236	-7.236	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	-4.178	-4.178	0	%100
112	M114	Z	-7.236	-7.236	0	%100
113	M121	X	-5.238	-5.238	0	%100
114	M121	Z	-9.072	-9.072	0	%100
115	M124	X	-5.238	-5.238	0	%100
116	M124	Z	-9.072	-9.072	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.699	-4.699	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.835	-3.835	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.774	-3.774	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.774	-3.774	0	%100
11	MP2A	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,%]
12	MP2A	Z	-3.929	-3.929	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.774	-3.774	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.835	-3.835	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.499	-5.499	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-1.037	-1.037	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-1.037	-1.037	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.381	-1.381	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.437	-1.437	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.381	-1.381	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.437	-1.437	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.959	-.959	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.959	-.959	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-1.375	-1.375	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-1.037	-1.037	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-4.149	-4.149	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-4.087	-4.087	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-1.381	-1.381	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-1.437	-1.437	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-4.087	-4.087	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-5.525	-5.525	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-5.748	-5.748	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	-.959	-.959	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	-.959	-.959	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	-1.375	-1.375	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	-4.149	-4.149	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	-1.037	-1.037	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	-4.087	-4.087	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,%]
69	M88A	X	0	0	0	%100
70	M88A	Z	-5.525	-5.525	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	-5.748	-5.748	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	-4.087	-4.087	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	-1.381	-1.381	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	-1.437	-1.437	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	-1.175	-1.175	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	-1.175	-1.175	0	%100
83	M135	X	0	0	0	%100
84	M135	Z	-3.022	-3.022	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	-3.523	-3.523	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	-3.523	-3.523	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-3.774	-3.774	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-3.774	-3.774	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-3.774	-3.774	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-3.774	-3.774	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-3.774	-3.774	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-3.774	-3.774	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-3.774	-3.774	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-3.774	-3.774	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-3.022	-3.022	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-4.271	-4.271	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	-1.068	-1.068	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	-1.068	-1.068	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-1.004	-1.004	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	-4.017	-4.017	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-1.004	-1.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.762	1.762	0	%100
2	M1	Z	-3.052	-3.052	0	%100
3	M4	X	.587	.587	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,%]
4	M4	Z	-1.017	-1.017	0	%100
5	M10	X	1.438	1.438	0	%100
6	M10	Z	-2.491	-2.491	0	%100
7	MP3A	X	1.887	1.887	0	%100
8	MP3A	Z	-3.269	-3.269	0	%100
9	MP4A	X	1.887	1.887	0	%100
10	MP4A	Z	-3.269	-3.269	0	%100
11	MP2A	X	1.965	1.965	0	%100
12	MP2A	Z	-3.403	-3.403	0	%100
13	MP1A	X	1.887	1.887	0	%100
14	MP1A	Z	-3.269	-3.269	0	%100
15	M43	X	1.438	1.438	0	%100
16	M43	Z	-2.491	-2.491	0	%100
17	M46	X	2.062	2.062	0	%100
18	M46	Z	-3.572	-3.572	0	%100
19	M51B	X	1.556	1.556	0	%100
20	M51B	Z	-2.695	-2.695	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.681	.681	0	%100
24	M76	Z	-1.18	-1.18	0	%100
25	M77	X	2.072	2.072	0	%100
26	M77	Z	-3.589	-3.589	0	%100
27	M80	X	2.155	2.155	0	%100
28	M80	Z	-3.733	-3.733	0	%100
29	M84	X	.681	.681	0	%100
30	M84	Z	-1.18	-1.18	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	1.438	1.438	0	%100
36	M53	Z	-2.491	-2.491	0	%100
37	M54	X	1.438	1.438	0	%100
38	M54	Z	-2.491	-2.491	0	%100
39	M55	X	2.062	2.062	0	%100
40	M55	Z	-3.572	-3.572	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	1.556	1.556	0	%100
44	M59A	Z	-2.695	-2.695	0	%100
45	M63	X	.681	.681	0	%100
46	M63	Z	-1.18	-1.18	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.681	.681	0	%100
52	M68	Z	-1.18	-1.18	0	%100
53	M69	X	2.072	2.072	0	%100
54	M69	Z	-3.589	-3.589	0	%100
55	M71	X	2.155	2.155	0	%100
56	M71	Z	-3.733	-3.733	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	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,%]
61	M79A	X	0	0	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	1.556	1.556	0	%100
64	M82	Z	-2.695	-2.695	0	%100
65	M83A	X	1.556	1.556	0	%100
66	M83A	Z	-2.695	-2.695	0	%100
67	M87	X	2.724	2.724	0	%100
68	M87	Z	-4.719	-4.719	0	%100
69	M88A	X	2.072	2.072	0	%100
70	M88A	Z	-3.589	-3.589	0	%100
71	M90	X	2.155	2.155	0	%100
72	M90	Z	-3.733	-3.733	0	%100
73	M92A	X	2.724	2.724	0	%100
74	M92A	Z	-4.719	-4.719	0	%100
75	M93	X	2.072	2.072	0	%100
76	M93	Z	-3.589	-3.589	0	%100
77	M95	X	2.155	2.155	0	%100
78	M95	Z	-3.733	-3.733	0	%100
79	M82A	X	1.762	1.762	0	%100
80	M82A	Z	-3.052	-3.052	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	1.511	1.511	0	%100
84	M135	Z	-2.617	-2.617	0	%100
85	M100	X	.587	.587	0	%100
86	M100	Z	-1.017	-1.017	0	%100
87	M101	X	2.349	2.349	0	%100
88	M101	Z	-4.068	-4.068	0	%100
89	MP3C	X	1.887	1.887	0	%100
90	MP3C	Z	-3.269	-3.269	0	%100
91	MP4C	X	1.887	1.887	0	%100
92	MP4C	Z	-3.269	-3.269	0	%100
93	MP2C	X	1.887	1.887	0	%100
94	MP2C	Z	-3.269	-3.269	0	%100
95	MP1C	X	1.887	1.887	0	%100
96	MP1C	Z	-3.269	-3.269	0	%100
97	MP3B	X	1.887	1.887	0	%100
98	MP3B	Z	-3.269	-3.269	0	%100
99	MP4B	X	1.887	1.887	0	%100
100	MP4B	Z	-3.269	-3.269	0	%100
101	MP2B	X	1.887	1.887	0	%100
102	MP2B	Z	-3.269	-3.269	0	%100
103	MP1B	X	1.887	1.887	0	%100
104	MP1B	Z	-3.269	-3.269	0	%100
105	M103	X	1.511	1.511	0	%100
106	M103	Z	-2.617	-2.617	0	%100
107	M104	X	1.602	1.602	0	%100
108	M104	Z	-2.774	-2.774	0	%100
109	M109	X	1.602	1.602	0	%100
110	M109	Z	-2.774	-2.774	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	1.506	1.506	0	%100
116	M124	Z	-2.609	-2.609	0	%100
117	M127	X	1.506	1.506	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,%]
118	M127	Z	-2.609	-2.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.017	1.017	0	%100
2	M1	Z	-.587	-.587	0	%100
3	M4	X	3.051	3.051	0	%100
4	M4	Z	-1.762	-1.762	0	%100
5	M10	X	.83	.83	0	%100
6	M10	Z	-.479	-.479	0	%100
7	MP3A	X	3.269	3.269	0	%100
8	MP3A	Z	-1.887	-1.887	0	%100
9	MP4A	X	3.269	3.269	0	%100
10	MP4A	Z	-1.887	-1.887	0	%100
11	MP2A	X	3.403	3.403	0	%100
12	MP2A	Z	-1.965	-1.965	0	%100
13	MP1A	X	3.269	3.269	0	%100
14	MP1A	Z	-1.887	-1.887	0	%100
15	M43	X	.83	.83	0	%100
16	M43	Z	-.479	-.479	0	%100
17	M46	X	1.191	1.191	0	%100
18	M46	Z	-.687	-.687	0	%100
19	M51B	X	3.594	3.594	0	%100
20	M51B	Z	-2.075	-2.075	0	%100
21	M52B	X	.898	.898	0	%100
22	M52B	Z	-.519	-.519	0	%100
23	M76	X	3.539	3.539	0	%100
24	M76	Z	-2.043	-2.043	0	%100
25	M77	X	4.785	4.785	0	%100
26	M77	Z	-2.762	-2.762	0	%100
27	M80	X	4.978	4.978	0	%100
28	M80	Z	-2.874	-2.874	0	%100
29	M84	X	3.539	3.539	0	%100
30	M84	Z	-2.043	-2.043	0	%100
31	M85	X	1.196	1.196	0	%100
32	M85	Z	-.691	-.691	0	%100
33	M91	X	1.244	1.244	0	%100
34	M91	Z	-.718	-.718	0	%100
35	M53	X	3.321	3.321	0	%100
36	M53	Z	-1.918	-1.918	0	%100
37	M54	X	3.321	3.321	0	%100
38	M54	Z	-1.918	-1.918	0	%100
39	M55	X	4.762	4.762	0	%100
40	M55	Z	-2.75	-2.75	0	%100
41	M58A	X	.898	.898	0	%100
42	M58A	Z	-.519	-.519	0	%100
43	M59A	X	.898	.898	0	%100
44	M59A	Z	-.519	-.519	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	1.196	1.196	0	%100
48	M64	Z	-.691	-.691	0	%100
49	M66	X	1.244	1.244	0	%100
50	M66	Z	-.718	-.718	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	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,%]
53	M69	X	1.196	1.196	0	%100
54	M69	Z	-.691	-.691	0	%100
55	M71	X	1.244	1.244	0	%100
56	M71	Z	-.718	-.718	0	%100
57	M77A	X	.83	.83	0	%100
58	M77A	Z	-.479	-.479	0	%100
59	M78	X	.83	.83	0	%100
60	M78	Z	-.479	-.479	0	%100
61	M79A	X	1.191	1.191	0	%100
62	M79A	Z	-.687	-.687	0	%100
63	M82	X	.898	.898	0	%100
64	M82	Z	-.519	-.519	0	%100
65	M83A	X	3.594	3.594	0	%100
66	M83A	Z	-2.075	-2.075	0	%100
67	M87	X	3.539	3.539	0	%100
68	M87	Z	-2.043	-2.043	0	%100
69	M88A	X	1.196	1.196	0	%100
70	M88A	Z	-.691	-.691	0	%100
71	M90	X	1.244	1.244	0	%100
72	M90	Z	-.718	-.718	0	%100
73	M92A	X	3.539	3.539	0	%100
74	M92A	Z	-2.043	-2.043	0	%100
75	M93	X	4.785	4.785	0	%100
76	M93	Z	-2.762	-2.762	0	%100
77	M95	X	4.978	4.978	0	%100
78	M95	Z	-2.874	-2.874	0	%100
79	M82A	X	4.069	4.069	0	%100
80	M82A	Z	-2.349	-2.349	0	%100
81	M91B	X	1.017	1.017	0	%100
82	M91B	Z	-.587	-.587	0	%100
83	M135	X	2.617	2.617	0	%100
84	M135	Z	-1.511	-1.511	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	3.051	3.051	0	%100
88	M101	Z	-1.762	-1.762	0	%100
89	MP3C	X	3.269	3.269	0	%100
90	MP3C	Z	-1.887	-1.887	0	%100
91	MP4C	X	3.269	3.269	0	%100
92	MP4C	Z	-1.887	-1.887	0	%100
93	MP2C	X	3.269	3.269	0	%100
94	MP2C	Z	-1.887	-1.887	0	%100
95	MP1C	X	3.269	3.269	0	%100
96	MP1C	Z	-1.887	-1.887	0	%100
97	MP3B	X	3.269	3.269	0	%100
98	MP3B	Z	-1.887	-1.887	0	%100
99	MP4B	X	3.269	3.269	0	%100
100	MP4B	Z	-1.887	-1.887	0	%100
101	MP2B	X	3.269	3.269	0	%100
102	MP2B	Z	-1.887	-1.887	0	%100
103	MP1B	X	3.269	3.269	0	%100
104	MP1B	Z	-1.887	-1.887	0	%100
105	M103	X	2.617	2.617	0	%100
106	M103	Z	-1.511	-1.511	0	%100
107	M104	X	.925	.925	0	%100
108	M104	Z	-.534	-.534	0	%100
109	M109	X	3.699	3.699	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,%]
110	M109	Z	-2.136	-2.136	0	%100
111	M114	X	.925	.925	0	%100
112	M114	Z	-.534	-.534	0	%100
113	M121	X	.87	.87	0	%100
114	M121	Z	-.502	-.502	0	%100
115	M124	X	.87	.87	0	%100
116	M124	Z	-.502	-.502	0	%100
117	M127	X	3.479	3.479	0	%100
118	M127	Z	-2.008	-2.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.697	4.697	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	3.774	3.774	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.774	3.774	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.929	3.929	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.774	3.774	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	3.112	3.112	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	3.112	3.112	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	5.449	5.449	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	4.144	4.144	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.311	4.311	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	5.449	5.449	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	4.144	4.144	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.311	4.311	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	2.876	2.876	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	2.876	2.876	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	4.124	4.124	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	3.112	3.112	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M63	X	1.362	1.362	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	4.144	4.144	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	4.311	4.311	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	1.362	1.362	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M77A	X	2.876	2.876	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	2.876	2.876	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	4.124	4.124	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	0	0	0	%100
65	M83A	X	3.112	3.112	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	1.362	1.362	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	0	0	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	0	0	0	%100
73	M92A	X	1.362	1.362	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	4.144	4.144	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	4.311	4.311	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	3.524	3.524	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	3.524	3.524	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	3.022	3.022	0	%100
84	M135	Z	0	0	0	%100
85	M100	X	1.174	1.174	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	1.174	1.174	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	3.774	3.774	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	3.774	3.774	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	3.774	3.774	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	3.774	3.774	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	3.774	3.774	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	3.774	3.774	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	3.774	3.774	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,%]
102	MP2B	Z	0	0	0	%100
103	MP1B	X	3.774	3.774	0	%100
104	MP1B	Z	0	0	0	%100
105	M103	X	3.022	3.022	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M109	X	3.203	3.203	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	3.203	3.203	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	3.013	3.013	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	0	0	0	%100
117	M127	X	3.013	3.013	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.017	1.017	0	%100
2	M1	Z	.587	.587	0	%100
3	M4	X	3.051	3.051	0	%100
4	M4	Z	1.762	1.762	0	%100
5	M10	X	.83	.83	0	%100
6	M10	Z	.479	.479	0	%100
7	MP3A	X	3.269	3.269	0	%100
8	MP3A	Z	1.887	1.887	0	%100
9	MP4A	X	3.269	3.269	0	%100
10	MP4A	Z	1.887	1.887	0	%100
11	MP2A	X	3.403	3.403	0	%100
12	MP2A	Z	1.965	1.965	0	%100
13	MP1A	X	3.269	3.269	0	%100
14	MP1A	Z	1.887	1.887	0	%100
15	M43	X	.83	.83	0	%100
16	M43	Z	.479	.479	0	%100
17	M46	X	1.191	1.191	0	%100
18	M46	Z	.687	.687	0	%100
19	M51B	X	.898	.898	0	%100
20	M51B	Z	.519	.519	0	%100
21	M52B	X	3.594	3.594	0	%100
22	M52B	Z	2.075	2.075	0	%100
23	M76	X	3.539	3.539	0	%100
24	M76	Z	2.043	2.043	0	%100
25	M77	X	1.196	1.196	0	%100
26	M77	Z	.691	.691	0	%100
27	M80	X	1.244	1.244	0	%100
28	M80	Z	.718	.718	0	%100
29	M84	X	3.539	3.539	0	%100
30	M84	Z	2.043	2.043	0	%100
31	M85	X	4.785	4.785	0	%100
32	M85	Z	2.762	2.762	0	%100
33	M91	X	4.978	4.978	0	%100
34	M91	Z	2.874	2.874	0	%100
35	M53	X	.83	.83	0	%100
36	M53	Z	.479	.479	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,%]
37	M54	X	.83	.83	0	%100
38	M54	Z	.479	.479	0	%100
39	M55	X	1.191	1.191	0	%100
40	M55	Z	.687	.687	0	%100
41	M58A	X	3.594	3.594	0	%100
42	M58A	Z	2.075	2.075	0	%100
43	M59A	X	.898	.898	0	%100
44	M59A	Z	.519	.519	0	%100
45	M63	X	3.539	3.539	0	%100
46	M63	Z	2.043	2.043	0	%100
47	M64	X	4.785	4.785	0	%100
48	M64	Z	2.762	2.762	0	%100
49	M66	X	4.978	4.978	0	%100
50	M66	Z	2.874	2.874	0	%100
51	M68	X	3.539	3.539	0	%100
52	M68	Z	2.043	2.043	0	%100
53	M69	X	1.196	1.196	0	%100
54	M69	Z	.691	.691	0	%100
55	M71	X	1.244	1.244	0	%100
56	M71	Z	.718	.718	0	%100
57	M77A	X	3.321	3.321	0	%100
58	M77A	Z	1.918	1.918	0	%100
59	M78	X	3.321	3.321	0	%100
60	M78	Z	1.918	1.918	0	%100
61	M79A	X	4.762	4.762	0	%100
62	M79A	Z	2.75	2.75	0	%100
63	M82	X	.898	.898	0	%100
64	M82	Z	.519	.519	0	%100
65	M83A	X	.898	.898	0	%100
66	M83A	Z	.519	.519	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	1.196	1.196	0	%100
70	M88A	Z	.691	.691	0	%100
71	M90	X	1.244	1.244	0	%100
72	M90	Z	.718	.718	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	1.196	1.196	0	%100
76	M93	Z	.691	.691	0	%100
77	M95	X	1.244	1.244	0	%100
78	M95	Z	.718	.718	0	%100
79	M82A	X	1.017	1.017	0	%100
80	M82A	Z	.587	.587	0	%100
81	M91B	X	4.069	4.069	0	%100
82	M91B	Z	2.349	2.349	0	%100
83	M135	X	2.617	2.617	0	%100
84	M135	Z	1.511	1.511	0	%100
85	M100	X	3.051	3.051	0	%100
86	M100	Z	1.762	1.762	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	3.269	3.269	0	%100
90	MP3C	Z	1.887	1.887	0	%100
91	MP4C	X	3.269	3.269	0	%100
92	MP4C	Z	1.887	1.887	0	%100
93	MP2C	X	3.269	3.269	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,%]
94	MP2C	Z	1.887	1.887	0	%100
95	MP1C	X	3.269	3.269	0	%100
96	MP1C	Z	1.887	1.887	0	%100
97	MP3B	X	3.269	3.269	0	%100
98	MP3B	Z	1.887	1.887	0	%100
99	MP4B	X	3.269	3.269	0	%100
100	MP4B	Z	1.887	1.887	0	%100
101	MP2B	X	3.269	3.269	0	%100
102	MP2B	Z	1.887	1.887	0	%100
103	MP1B	X	3.269	3.269	0	%100
104	MP1B	Z	1.887	1.887	0	%100
105	M103	X	2.617	2.617	0	%100
106	M103	Z	1.511	1.511	0	%100
107	M104	X	.925	.925	0	%100
108	M104	Z	.534	.534	0	%100
109	M109	X	.925	.925	0	%100
110	M109	Z	.534	.534	0	%100
111	M114	X	3.699	3.699	0	%100
112	M114	Z	2.136	2.136	0	%100
113	M121	X	3.479	3.479	0	%100
114	M121	Z	2.008	2.008	0	%100
115	M124	X	.87	.87	0	%100
116	M124	Z	.502	.502	0	%100
117	M127	X	.87	.87	0	%100
118	M127	Z	.502	.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.762	1.762	0	%100
2	M1	Z	3.052	3.052	0	%100
3	M4	X	.587	.587	0	%100
4	M4	Z	1.017	1.017	0	%100
5	M10	X	1.438	1.438	0	%100
6	M10	Z	2.491	2.491	0	%100
7	MP3A	X	1.887	1.887	0	%100
8	MP3A	Z	3.269	3.269	0	%100
9	MP4A	X	1.887	1.887	0	%100
10	MP4A	Z	3.269	3.269	0	%100
11	MP2A	X	1.965	1.965	0	%100
12	MP2A	Z	3.403	3.403	0	%100
13	MP1A	X	1.887	1.887	0	%100
14	MP1A	Z	3.269	3.269	0	%100
15	M43	X	1.438	1.438	0	%100
16	M43	Z	2.491	2.491	0	%100
17	M46	X	2.062	2.062	0	%100
18	M46	Z	3.572	3.572	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.556	1.556	0	%100
22	M52B	Z	2.695	2.695	0	%100
23	M76	X	.681	.681	0	%100
24	M76	Z	1.18	1.18	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M84	X	.681	.681	0	%100
30	M84	Z	1.18	1.18	0	%100
31	M85	X	2.072	2.072	0	%100
32	M85	Z	3.589	3.589	0	%100
33	M91	X	2.155	2.155	0	%100
34	M91	Z	3.733	3.733	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	1.556	1.556	0	%100
42	M58A	Z	2.695	2.695	0	%100
43	M59A	X	1.556	1.556	0	%100
44	M59A	Z	2.695	2.695	0	%100
45	M63	X	2.724	2.724	0	%100
46	M63	Z	4.719	4.719	0	%100
47	M64	X	2.072	2.072	0	%100
48	M64	Z	3.589	3.589	0	%100
49	M66	X	2.155	2.155	0	%100
50	M66	Z	3.733	3.733	0	%100
51	M68	X	2.724	2.724	0	%100
52	M68	Z	4.719	4.719	0	%100
53	M69	X	2.072	2.072	0	%100
54	M69	Z	3.589	3.589	0	%100
55	M71	X	2.155	2.155	0	%100
56	M71	Z	3.733	3.733	0	%100
57	M77A	X	1.438	1.438	0	%100
58	M77A	Z	2.491	2.491	0	%100
59	M78	X	1.438	1.438	0	%100
60	M78	Z	2.491	2.491	0	%100
61	M79A	X	2.062	2.062	0	%100
62	M79A	Z	3.572	3.572	0	%100
63	M82	X	1.556	1.556	0	%100
64	M82	Z	2.695	2.695	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	.681	.681	0	%100
68	M87	Z	1.18	1.18	0	%100
69	M88A	X	2.072	2.072	0	%100
70	M88A	Z	3.589	3.589	0	%100
71	M90	X	2.155	2.155	0	%100
72	M90	Z	3.733	3.733	0	%100
73	M92A	X	.681	.681	0	%100
74	M92A	Z	1.18	1.18	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	1.762	1.762	0	%100
82	M91B	Z	3.052	3.052	0	%100
83	M135	X	1.511	1.511	0	%100
84	M135	Z	2.617	2.617	0	%100
85	M100	X	2.349	2.349	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,%]
86	M100	Z	4.068	4.068	0	%100
87	M101	X	.587	.587	0	%100
88	M101	Z	1.017	1.017	0	%100
89	MP3C	X	1.887	1.887	0	%100
90	MP3C	Z	3.269	3.269	0	%100
91	MP4C	X	1.887	1.887	0	%100
92	MP4C	Z	3.269	3.269	0	%100
93	MP2C	X	1.887	1.887	0	%100
94	MP2C	Z	3.269	3.269	0	%100
95	MP1C	X	1.887	1.887	0	%100
96	MP1C	Z	3.269	3.269	0	%100
97	MP3B	X	1.887	1.887	0	%100
98	MP3B	Z	3.269	3.269	0	%100
99	MP4B	X	1.887	1.887	0	%100
100	MP4B	Z	3.269	3.269	0	%100
101	MP2B	X	1.887	1.887	0	%100
102	MP2B	Z	3.269	3.269	0	%100
103	MP1B	X	1.887	1.887	0	%100
104	MP1B	Z	3.269	3.269	0	%100
105	M103	X	1.511	1.511	0	%100
106	M103	Z	2.617	2.617	0	%100
107	M104	X	1.602	1.602	0	%100
108	M104	Z	2.774	2.774	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	1.602	1.602	0	%100
112	M114	Z	2.774	2.774	0	%100
113	M121	X	1.506	1.506	0	%100
114	M121	Z	2.609	2.609	0	%100
115	M124	X	1.506	1.506	0	%100
116	M124	Z	2.609	2.609	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.699	4.699	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.835	3.835	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.774	3.774	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.774	3.774	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.929	3.929	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.774	3.774	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.835	3.835	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.499	5.499	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	1.037	1.037	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M52B	X	0	0	0	%100
22	M52B	Z	1.037	1.037	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.381	1.381	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.437	1.437	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.381	1.381	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.437	1.437	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.959	.959	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.959	.959	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	1.375	1.375	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	1.037	1.037	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	4.149	4.149	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	4.087	4.087	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	1.381	1.381	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	1.437	1.437	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	4.087	4.087	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	5.525	5.525	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	5.748	5.748	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	.959	.959	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	.959	.959	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	1.375	1.375	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	4.149	4.149	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	1.037	1.037	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	4.087	4.087	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	5.525	5.525	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	5.748	5.748	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	4.087	4.087	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	1.381	1.381	0	%100
77	M95	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,%]
78	M95	Z	1.437	1.437	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	1.175	1.175	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	1.175	1.175	0	%100
83	M135	X	0	0	0	%100
84	M135	Z	3.022	3.022	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	3.523	3.523	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	3.523	3.523	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.774	3.774	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	3.774	3.774	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	3.774	3.774	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	3.774	3.774	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	3.774	3.774	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	3.774	3.774	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	3.774	3.774	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	3.774	3.774	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	3.022	3.022	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	4.271	4.271	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	1.068	1.068	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	1.068	1.068	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	1.004	1.004	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	4.017	4.017	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	1.004	1.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.762	-1.762	0	%100
2	M1	Z	3.052	3.052	0	%100
3	M4	X	-.587	-.587	0	%100
4	M4	Z	1.017	1.017	0	%100
5	M10	X	-1.438	-1.438	0	%100
6	M10	Z	2.491	2.491	0	%100
7	MP3A	X	-1.887	-1.887	0	%100
8	MP3A	Z	3.269	3.269	0	%100
9	MP4A	X	-1.887	-1.887	0	%100
10	MP4A	Z	3.269	3.269	0	%100
11	MP2A	X	-1.965	-1.965	0	%100
12	MP2A	Z	3.403	3.403	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,%]
13	MP1A	X	-1.887	-1.887	0	%100
14	MP1A	Z	3.269	3.269	0	%100
15	M43	X	-1.438	-1.438	0	%100
16	M43	Z	2.491	2.491	0	%100
17	M46	X	-2.062	-2.062	0	%100
18	M46	Z	3.572	3.572	0	%100
19	M51B	X	-1.556	-1.556	0	%100
20	M51B	Z	2.695	2.695	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.681	-.681	0	%100
24	M76	Z	1.18	1.18	0	%100
25	M77	X	-2.072	-2.072	0	%100
26	M77	Z	3.589	3.589	0	%100
27	M80	X	-2.155	-2.155	0	%100
28	M80	Z	3.733	3.733	0	%100
29	M84	X	-.681	-.681	0	%100
30	M84	Z	1.18	1.18	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	-1.438	-1.438	0	%100
36	M53	Z	2.491	2.491	0	%100
37	M54	X	-1.438	-1.438	0	%100
38	M54	Z	2.491	2.491	0	%100
39	M55	X	-2.062	-2.062	0	%100
40	M55	Z	3.572	3.572	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-1.556	-1.556	0	%100
44	M59A	Z	2.695	2.695	0	%100
45	M63	X	-.681	-.681	0	%100
46	M63	Z	1.18	1.18	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.681	-.681	0	%100
52	M68	Z	1.18	1.18	0	%100
53	M69	X	-2.072	-2.072	0	%100
54	M69	Z	3.589	3.589	0	%100
55	M71	X	-2.155	-2.155	0	%100
56	M71	Z	3.733	3.733	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	-1.556	-1.556	0	%100
64	M82	Z	2.695	2.695	0	%100
65	M83A	X	-1.556	-1.556	0	%100
66	M83A	Z	2.695	2.695	0	%100
67	M87	X	-2.724	-2.724	0	%100
68	M87	Z	4.719	4.719	0	%100
69	M88A	X	-2.072	-2.072	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,%]
70	M88A	Z	3.589	3.589	0	%100
71	M90	X	-2.155	-2.155	0	%100
72	M90	Z	3.733	3.733	0	%100
73	M92A	X	-2.724	-2.724	0	%100
74	M92A	Z	4.719	4.719	0	%100
75	M93	X	-2.072	-2.072	0	%100
76	M93	Z	3.589	3.589	0	%100
77	M95	X	-2.155	-2.155	0	%100
78	M95	Z	3.733	3.733	0	%100
79	M82A	X	-1.762	-1.762	0	%100
80	M82A	Z	3.052	3.052	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	-1.511	-1.511	0	%100
84	M135	Z	2.617	2.617	0	%100
85	M100	X	-.587	-.587	0	%100
86	M100	Z	1.017	1.017	0	%100
87	M101	X	-2.349	-2.349	0	%100
88	M101	Z	4.068	4.068	0	%100
89	MP3C	X	-1.887	-1.887	0	%100
90	MP3C	Z	3.269	3.269	0	%100
91	MP4C	X	-1.887	-1.887	0	%100
92	MP4C	Z	3.269	3.269	0	%100
93	MP2C	X	-1.887	-1.887	0	%100
94	MP2C	Z	3.269	3.269	0	%100
95	MP1C	X	-1.887	-1.887	0	%100
96	MP1C	Z	3.269	3.269	0	%100
97	MP3B	X	-1.887	-1.887	0	%100
98	MP3B	Z	3.269	3.269	0	%100
99	MP4B	X	-1.887	-1.887	0	%100
100	MP4B	Z	3.269	3.269	0	%100
101	MP2B	X	-1.887	-1.887	0	%100
102	MP2B	Z	3.269	3.269	0	%100
103	MP1B	X	-1.887	-1.887	0	%100
104	MP1B	Z	3.269	3.269	0	%100
105	M103	X	-1.511	-1.511	0	%100
106	M103	Z	2.617	2.617	0	%100
107	M104	X	-1.602	-1.602	0	%100
108	M104	Z	2.774	2.774	0	%100
109	M109	X	-1.602	-1.602	0	%100
110	M109	Z	2.774	2.774	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	-1.506	-1.506	0	%100
116	M124	Z	2.609	2.609	0	%100
117	M127	X	-1.506	-1.506	0	%100
118	M127	Z	2.609	2.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.017	-1.017	0	%100
2	M1	Z	.587	.587	0	%100
3	M4	X	-3.051	-3.051	0	%100
4	M4	Z	1.762	1.762	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,%]
5	M10	X	-.83	-.83	0	%100
6	M10	Z	.479	.479	0	%100
7	MP3A	X	-3.269	-3.269	0	%100
8	MP3A	Z	1.887	1.887	0	%100
9	MP4A	X	-3.269	-3.269	0	%100
10	MP4A	Z	1.887	1.887	0	%100
11	MP2A	X	-3.403	-3.403	0	%100
12	MP2A	Z	1.965	1.965	0	%100
13	MP1A	X	-3.269	-3.269	0	%100
14	MP1A	Z	1.887	1.887	0	%100
15	M43	X	-.83	-.83	0	%100
16	M43	Z	.479	.479	0	%100
17	M46	X	-1.191	-1.191	0	%100
18	M46	Z	.687	.687	0	%100
19	M51B	X	-3.594	-3.594	0	%100
20	M51B	Z	2.075	2.075	0	%100
21	M52B	X	-.898	-.898	0	%100
22	M52B	Z	.519	.519	0	%100
23	M76	X	-3.539	-3.539	0	%100
24	M76	Z	2.043	2.043	0	%100
25	M77	X	-4.785	-4.785	0	%100
26	M77	Z	2.762	2.762	0	%100
27	M80	X	-4.978	-4.978	0	%100
28	M80	Z	2.874	2.874	0	%100
29	M84	X	-3.539	-3.539	0	%100
30	M84	Z	2.043	2.043	0	%100
31	M85	X	-1.196	-1.196	0	%100
32	M85	Z	.691	.691	0	%100
33	M91	X	-1.244	-1.244	0	%100
34	M91	Z	.718	.718	0	%100
35	M53	X	-3.321	-3.321	0	%100
36	M53	Z	1.918	1.918	0	%100
37	M54	X	-3.321	-3.321	0	%100
38	M54	Z	1.918	1.918	0	%100
39	M55	X	-4.762	-4.762	0	%100
40	M55	Z	2.75	2.75	0	%100
41	M58A	X	-.898	-.898	0	%100
42	M58A	Z	.519	.519	0	%100
43	M59A	X	-.898	-.898	0	%100
44	M59A	Z	.519	.519	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-1.196	-1.196	0	%100
48	M64	Z	.691	.691	0	%100
49	M66	X	-1.244	-1.244	0	%100
50	M66	Z	.718	.718	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-1.196	-1.196	0	%100
54	M69	Z	.691	.691	0	%100
55	M71	X	-1.244	-1.244	0	%100
56	M71	Z	.718	.718	0	%100
57	M77A	X	-.83	-.83	0	%100
58	M77A	Z	.479	.479	0	%100
59	M78	X	-.83	-.83	0	%100
60	M78	Z	.479	.479	0	%100
61	M79A	X	-1.191	-1.191	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,%]
62	M79A	Z	.687	.687	0	%100
63	M82	X	-.898	-.898	0	%100
64	M82	Z	.519	.519	0	%100
65	M83A	X	-3.594	-3.594	0	%100
66	M83A	Z	2.075	2.075	0	%100
67	M87	X	-3.539	-3.539	0	%100
68	M87	Z	2.043	2.043	0	%100
69	M88A	X	-1.196	-1.196	0	%100
70	M88A	Z	.691	.691	0	%100
71	M90	X	-1.244	-1.244	0	%100
72	M90	Z	.718	.718	0	%100
73	M92A	X	-3.539	-3.539	0	%100
74	M92A	Z	2.043	2.043	0	%100
75	M93	X	-4.785	-4.785	0	%100
76	M93	Z	2.762	2.762	0	%100
77	M95	X	-4.978	-4.978	0	%100
78	M95	Z	2.874	2.874	0	%100
79	M82A	X	-4.069	-4.069	0	%100
80	M82A	Z	2.349	2.349	0	%100
81	M91B	X	-1.017	-1.017	0	%100
82	M91B	Z	.587	.587	0	%100
83	M135	X	-2.617	-2.617	0	%100
84	M135	Z	1.511	1.511	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	-3.051	-3.051	0	%100
88	M101	Z	1.762	1.762	0	%100
89	MP3C	X	-3.269	-3.269	0	%100
90	MP3C	Z	1.887	1.887	0	%100
91	MP4C	X	-3.269	-3.269	0	%100
92	MP4C	Z	1.887	1.887	0	%100
93	MP2C	X	-3.269	-3.269	0	%100
94	MP2C	Z	1.887	1.887	0	%100
95	MP1C	X	-3.269	-3.269	0	%100
96	MP1C	Z	1.887	1.887	0	%100
97	MP3B	X	-3.269	-3.269	0	%100
98	MP3B	Z	1.887	1.887	0	%100
99	MP4B	X	-3.269	-3.269	0	%100
100	MP4B	Z	1.887	1.887	0	%100
101	MP2B	X	-3.269	-3.269	0	%100
102	MP2B	Z	1.887	1.887	0	%100
103	MP1B	X	-3.269	-3.269	0	%100
104	MP1B	Z	1.887	1.887	0	%100
105	M103	X	-2.617	-2.617	0	%100
106	M103	Z	1.511	1.511	0	%100
107	M104	X	-.925	-.925	0	%100
108	M104	Z	.534	.534	0	%100
109	M109	X	-3.699	-3.699	0	%100
110	M109	Z	2.136	2.136	0	%100
111	M114	X	-.925	-.925	0	%100
112	M114	Z	.534	.534	0	%100
113	M121	X	-.87	-.87	0	%100
114	M121	Z	.502	.502	0	%100
115	M124	X	-.87	-.87	0	%100
116	M124	Z	.502	.502	0	%100
117	M127	X	-3.479	-3.479	0	%100
118	M127	Z	2.008	2.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.697	-4.697	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-3.774	-3.774	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.774	-3.774	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.929	-3.929	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.774	-3.774	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-3.112	-3.112	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-3.112	-3.112	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-5.449	-5.449	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-4.144	-4.144	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.311	-4.311	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-5.449	-5.449	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-4.144	-4.144	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.311	-4.311	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	-2.876	-2.876	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-2.876	-2.876	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-4.124	-4.124	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-3.112	-3.112	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-1.362	-1.362	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-4.144	-4.144	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-4.311	-4.311	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-1.362	-1.362	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M77A	X	-2.876	-2.876	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	M77A	Z	0	0	0	%100
59	M78	X	-2.876	-2.876	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	-4.124	-4.124	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	0	0	0	%100
65	M83A	X	-3.112	-3.112	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	-1.362	-1.362	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	0	0	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	0	0	0	%100
73	M92A	X	-1.362	-1.362	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	-4.144	-4.144	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	-4.311	-4.311	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	-3.524	-3.524	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	-3.524	-3.524	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	-3.022	-3.022	0	%100
84	M135	Z	0	0	0	%100
85	M100	X	-1.174	-1.174	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	-1.174	-1.174	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-3.774	-3.774	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-3.774	-3.774	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-3.774	-3.774	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-3.774	-3.774	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	-3.774	-3.774	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	-3.774	-3.774	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	-3.774	-3.774	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-3.774	-3.774	0	%100
104	MP1B	Z	0	0	0	%100
105	M103	X	-3.022	-3.022	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M109	X	-3.203	-3.203	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	-3.203	-3.203	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	-3.013	-3.013	0	%100
114	M121	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M124	X	0	0	0	%100
116	M124	Z	0	0	0	%100
117	M127	X	-3.013	-3.013	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.017	-1.017	0	%100
2	M1	Z	-.587	-.587	0	%100
3	M4	X	-3.051	-3.051	0	%100
4	M4	Z	-1.762	-1.762	0	%100
5	M10	X	-.83	-.83	0	%100
6	M10	Z	-.479	-.479	0	%100
7	MP3A	X	-3.269	-3.269	0	%100
8	MP3A	Z	-1.887	-1.887	0	%100
9	MP4A	X	-3.269	-3.269	0	%100
10	MP4A	Z	-1.887	-1.887	0	%100
11	MP2A	X	-3.403	-3.403	0	%100
12	MP2A	Z	-1.965	-1.965	0	%100
13	MP1A	X	-3.269	-3.269	0	%100
14	MP1A	Z	-1.887	-1.887	0	%100
15	M43	X	-.83	-.83	0	%100
16	M43	Z	-.479	-.479	0	%100
17	M46	X	-1.191	-1.191	0	%100
18	M46	Z	-.687	-.687	0	%100
19	M51B	X	-.898	-.898	0	%100
20	M51B	Z	-.519	-.519	0	%100
21	M52B	X	-3.594	-3.594	0	%100
22	M52B	Z	-2.075	-2.075	0	%100
23	M76	X	-3.539	-3.539	0	%100
24	M76	Z	-2.043	-2.043	0	%100
25	M77	X	-1.196	-1.196	0	%100
26	M77	Z	-.691	-.691	0	%100
27	M80	X	-1.244	-1.244	0	%100
28	M80	Z	-.718	-.718	0	%100
29	M84	X	-3.539	-3.539	0	%100
30	M84	Z	-2.043	-2.043	0	%100
31	M85	X	-4.785	-4.785	0	%100
32	M85	Z	-2.762	-2.762	0	%100
33	M91	X	-4.978	-4.978	0	%100
34	M91	Z	-2.874	-2.874	0	%100
35	M53	X	-.83	-.83	0	%100
36	M53	Z	-.479	-.479	0	%100
37	M54	X	-.83	-.83	0	%100
38	M54	Z	-.479	-.479	0	%100
39	M55	X	-1.191	-1.191	0	%100
40	M55	Z	-.687	-.687	0	%100
41	M58A	X	-3.594	-3.594	0	%100
42	M58A	Z	-2.075	-2.075	0	%100
43	M59A	X	-.898	-.898	0	%100
44	M59A	Z	-.519	-.519	0	%100
45	M63	X	-3.539	-3.539	0	%100
46	M63	Z	-2.043	-2.043	0	%100
47	M64	X	-4.785	-4.785	0	%100
48	M64	Z	-2.762	-2.762	0	%100
49	M66	X	-4.978	-4.978	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,%]
50	M66	Z	-2.874	-2.874	0	%100
51	M68	X	-3.539	-3.539	0	%100
52	M68	Z	-2.043	-2.043	0	%100
53	M69	X	-1.196	-1.196	0	%100
54	M69	Z	-.691	-.691	0	%100
55	M71	X	-1.244	-1.244	0	%100
56	M71	Z	-.718	-.718	0	%100
57	M77A	X	-3.321	-3.321	0	%100
58	M77A	Z	-1.918	-1.918	0	%100
59	M78	X	-3.321	-3.321	0	%100
60	M78	Z	-1.918	-1.918	0	%100
61	M79A	X	-4.762	-4.762	0	%100
62	M79A	Z	-2.75	-2.75	0	%100
63	M82	X	-.898	-.898	0	%100
64	M82	Z	-.519	-.519	0	%100
65	M83A	X	-.898	-.898	0	%100
66	M83A	Z	-.519	-.519	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	-1.196	-1.196	0	%100
70	M88A	Z	-.691	-.691	0	%100
71	M90	X	-1.244	-1.244	0	%100
72	M90	Z	-.718	-.718	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	-1.196	-1.196	0	%100
76	M93	Z	-.691	-.691	0	%100
77	M95	X	-1.244	-1.244	0	%100
78	M95	Z	-.718	-.718	0	%100
79	M82A	X	-1.017	-1.017	0	%100
80	M82A	Z	-.587	-.587	0	%100
81	M91B	X	-4.069	-4.069	0	%100
82	M91B	Z	-2.349	-2.349	0	%100
83	M135	X	-2.617	-2.617	0	%100
84	M135	Z	-1.511	-1.511	0	%100
85	M100	X	-3.051	-3.051	0	%100
86	M100	Z	-1.762	-1.762	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-3.269	-3.269	0	%100
90	MP3C	Z	-1.887	-1.887	0	%100
91	MP4C	X	-3.269	-3.269	0	%100
92	MP4C	Z	-1.887	-1.887	0	%100
93	MP2C	X	-3.269	-3.269	0	%100
94	MP2C	Z	-1.887	-1.887	0	%100
95	MP1C	X	-3.269	-3.269	0	%100
96	MP1C	Z	-1.887	-1.887	0	%100
97	MP3B	X	-3.269	-3.269	0	%100
98	MP3B	Z	-1.887	-1.887	0	%100
99	MP4B	X	-3.269	-3.269	0	%100
100	MP4B	Z	-1.887	-1.887	0	%100
101	MP2B	X	-3.269	-3.269	0	%100
102	MP2B	Z	-1.887	-1.887	0	%100
103	MP1B	X	-3.269	-3.269	0	%100
104	MP1B	Z	-1.887	-1.887	0	%100
105	M103	X	-2.617	-2.617	0	%100
106	M103	Z	-1.511	-1.511	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,%]
107	M104	X	-.925	-.925	0	%100
108	M104	Z	-.534	-.534	0	%100
109	M109	X	-.925	-.925	0	%100
110	M109	Z	-.534	-.534	0	%100
111	M114	X	-3.699	-3.699	0	%100
112	M114	Z	-2.136	-2.136	0	%100
113	M121	X	-3.479	-3.479	0	%100
114	M121	Z	-2.008	-2.008	0	%100
115	M124	X	-.87	-.87	0	%100
116	M124	Z	-.502	-.502	0	%100
117	M127	X	-.87	-.87	0	%100
118	M127	Z	-.502	-.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.762	-1.762	0	%100
2	M1	Z	-3.052	-3.052	0	%100
3	M4	X	-.587	-.587	0	%100
4	M4	Z	-1.017	-1.017	0	%100
5	M10	X	-1.438	-1.438	0	%100
6	M10	Z	-2.491	-2.491	0	%100
7	MP3A	X	-1.887	-1.887	0	%100
8	MP3A	Z	-3.269	-3.269	0	%100
9	MP4A	X	-1.887	-1.887	0	%100
10	MP4A	Z	-3.269	-3.269	0	%100
11	MP2A	X	-1.965	-1.965	0	%100
12	MP2A	Z	-3.403	-3.403	0	%100
13	MP1A	X	-1.887	-1.887	0	%100
14	MP1A	Z	-3.269	-3.269	0	%100
15	M43	X	-1.438	-1.438	0	%100
16	M43	Z	-2.491	-2.491	0	%100
17	M46	X	-2.062	-2.062	0	%100
18	M46	Z	-3.572	-3.572	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.556	-1.556	0	%100
22	M52B	Z	-2.695	-2.695	0	%100
23	M76	X	-.681	-.681	0	%100
24	M76	Z	-1.18	-1.18	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.681	-.681	0	%100
30	M84	Z	-1.18	-1.18	0	%100
31	M85	X	-2.072	-2.072	0	%100
32	M85	Z	-3.589	-3.589	0	%100
33	M91	X	-2.155	-2.155	0	%100
34	M91	Z	-3.733	-3.733	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-1.556	-1.556	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,%]
42	M58A	Z	-2.695	-2.695	0	%100
43	M59A	X	-1.556	-1.556	0	%100
44	M59A	Z	-2.695	-2.695	0	%100
45	M63	X	-2.724	-2.724	0	%100
46	M63	Z	-4.719	-4.719	0	%100
47	M64	X	-2.072	-2.072	0	%100
48	M64	Z	-3.589	-3.589	0	%100
49	M66	X	-2.155	-2.155	0	%100
50	M66	Z	-3.733	-3.733	0	%100
51	M68	X	-2.724	-2.724	0	%100
52	M68	Z	-4.719	-4.719	0	%100
53	M69	X	-2.072	-2.072	0	%100
54	M69	Z	-3.589	-3.589	0	%100
55	M71	X	-2.155	-2.155	0	%100
56	M71	Z	-3.733	-3.733	0	%100
57	M77A	X	-1.438	-1.438	0	%100
58	M77A	Z	-2.491	-2.491	0	%100
59	M78	X	-1.438	-1.438	0	%100
60	M78	Z	-2.491	-2.491	0	%100
61	M79A	X	-2.062	-2.062	0	%100
62	M79A	Z	-3.572	-3.572	0	%100
63	M82	X	-1.556	-1.556	0	%100
64	M82	Z	-2.695	-2.695	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	-.681	-.681	0	%100
68	M87	Z	-1.18	-1.18	0	%100
69	M88A	X	-2.072	-2.072	0	%100
70	M88A	Z	-3.589	-3.589	0	%100
71	M90	X	-2.155	-2.155	0	%100
72	M90	Z	-3.733	-3.733	0	%100
73	M92A	X	-.681	-.681	0	%100
74	M92A	Z	-1.18	-1.18	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	-1.762	-1.762	0	%100
82	M91B	Z	-3.052	-3.052	0	%100
83	M135	X	-1.511	-1.511	0	%100
84	M135	Z	-2.617	-2.617	0	%100
85	M100	X	-2.349	-2.349	0	%100
86	M100	Z	-4.068	-4.068	0	%100
87	M101	X	-.587	-.587	0	%100
88	M101	Z	-1.017	-1.017	0	%100
89	MP3C	X	-1.887	-1.887	0	%100
90	MP3C	Z	-3.269	-3.269	0	%100
91	MP4C	X	-1.887	-1.887	0	%100
92	MP4C	Z	-3.269	-3.269	0	%100
93	MP2C	X	-1.887	-1.887	0	%100
94	MP2C	Z	-3.269	-3.269	0	%100
95	MP1C	X	-1.887	-1.887	0	%100
96	MP1C	Z	-3.269	-3.269	0	%100
97	MP3B	X	-1.887	-1.887	0	%100
98	MP3B	Z	-3.269	-3.269	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,%]
99	MP4B	X	-1.887	-1.887	0	%100
100	MP4B	Z	-3.269	-3.269	0	%100
101	MP2B	X	-1.887	-1.887	0	%100
102	MP2B	Z	-3.269	-3.269	0	%100
103	MP1B	X	-1.887	-1.887	0	%100
104	MP1B	Z	-3.269	-3.269	0	%100
105	M103	X	-1.511	-1.511	0	%100
106	M103	Z	-2.617	-2.617	0	%100
107	M104	X	-1.602	-1.602	0	%100
108	M104	Z	-2.774	-2.774	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	-1.602	-1.602	0	%100
112	M114	Z	-2.774	-2.774	0	%100
113	M121	X	-1.506	-1.506	0	%100
114	M121	Z	-2.609	-2.609	0	%100
115	M124	X	-1.506	-1.506	0	%100
116	M124	Z	-2.609	-2.609	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.862	-.862	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.805	-.805	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.585	-.585	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.585	-.585	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.585	-.585	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.585	-.585	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.805	-.805	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.478	-1.478	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.205	-.205	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.205	-.205	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.376	-.376	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.396	-.396	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.376	-.376	0	%100
33	M91	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,%]
34	M91	Z	-.396	-.396	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.201	-.201	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.201	-.201	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-.369	-.369	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-.205	-.205	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-.821	-.821	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-1.108	-1.108	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-.376	-.376	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-.396	-.396	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-1.108	-1.108	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-1.505	-1.505	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-1.585	-1.585	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	-.201	-.201	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	-.201	-.201	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	-.369	-.369	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	-.821	-.821	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	-.205	-.205	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	-1.108	-1.108	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	-1.505	-1.505	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	-1.585	-1.585	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	-1.108	-1.108	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	-.376	-.376	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	-.396	-.396	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	-.216	-.216	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	-.216	-.216	0	%100
83	M135	X	0	0	0	%100
84	M135	Z	-.478	-.478	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	-.719	-.719	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	-.719	-.719	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.585	-.585	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,%]
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.585	-.585	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.585	-.585	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-.585	-.585	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-.585	-.585	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-.585	-.585	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-.585	-.585	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-.585	-.585	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	-.478	-.478	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-.708	-.708	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	-.177	-.177	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	-.177	-.177	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-.222	-.222	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	-.888	-.888	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.222	-.222	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.323	.323	0	%100
2	M1	Z	-.56	-.56	0	%100
3	M4	X	.12	.12	0	%100
4	M4	Z	-.207	-.207	0	%100
5	M10	X	.302	.302	0	%100
6	M10	Z	-.523	-.523	0	%100
7	MP3A	X	.292	.292	0	%100
8	MP3A	Z	-.507	-.507	0	%100
9	MP4A	X	.292	.292	0	%100
10	MP4A	Z	-.507	-.507	0	%100
11	MP2A	X	.292	.292	0	%100
12	MP2A	Z	-.507	-.507	0	%100
13	MP1A	X	.292	.292	0	%100
14	MP1A	Z	-.507	-.507	0	%100
15	M43	X	.302	.302	0	%100
16	M43	Z	-.523	-.523	0	%100
17	M46	X	.554	.554	0	%100
18	M46	Z	-.96	-.96	0	%100
19	M51B	X	.308	.308	0	%100
20	M51B	Z	-.533	-.533	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.185	.185	0	%100
24	M76	Z	-.32	-.32	0	%100
25	M77	X	.564	.564	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,%]
26	M77	Z	-.978	-.978	0	%100
27	M80	X	.594	.594	0	%100
28	M80	Z	-1.03	-1.03	0	%100
29	M84	X	.185	.185	0	%100
30	M84	Z	-.32	-.32	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	.302	.302	0	%100
36	M53	Z	-.523	-.523	0	%100
37	M54	X	.302	.302	0	%100
38	M54	Z	-.523	-.523	0	%100
39	M55	X	.554	.554	0	%100
40	M55	Z	-.96	-.96	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	.308	.308	0	%100
44	M59A	Z	-.533	-.533	0	%100
45	M63	X	.185	.185	0	%100
46	M63	Z	-.32	-.32	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.185	.185	0	%100
52	M68	Z	-.32	-.32	0	%100
53	M69	X	.564	.564	0	%100
54	M69	Z	-.978	-.978	0	%100
55	M71	X	.594	.594	0	%100
56	M71	Z	-1.03	-1.03	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	.308	.308	0	%100
64	M82	Z	-.533	-.533	0	%100
65	M83A	X	.308	.308	0	%100
66	M83A	Z	-.533	-.533	0	%100
67	M87	X	.739	.739	0	%100
68	M87	Z	-1.28	-1.28	0	%100
69	M88A	X	.564	.564	0	%100
70	M88A	Z	-.978	-.978	0	%100
71	M90	X	.594	.594	0	%100
72	M90	Z	-1.03	-1.03	0	%100
73	M92A	X	.739	.739	0	%100
74	M92A	Z	-1.28	-1.28	0	%100
75	M93	X	.564	.564	0	%100
76	M93	Z	-.978	-.978	0	%100
77	M95	X	.594	.594	0	%100
78	M95	Z	-1.03	-1.03	0	%100
79	M82A	X	.323	.323	0	%100
80	M82A	Z	-.56	-.56	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	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,%]
83	M135	X	.239	.239	0	%100
84	M135	Z	-.414	-.414	0	%100
85	M100	X	.12	.12	0	%100
86	M100	Z	-.207	-.207	0	%100
87	M101	X	.479	.479	0	%100
88	M101	Z	-.83	-.83	0	%100
89	MP3C	X	.292	.292	0	%100
90	MP3C	Z	-.507	-.507	0	%100
91	MP4C	X	.292	.292	0	%100
92	MP4C	Z	-.507	-.507	0	%100
93	MP2C	X	.292	.292	0	%100
94	MP2C	Z	-.507	-.507	0	%100
95	MP1C	X	.292	.292	0	%100
96	MP1C	Z	-.507	-.507	0	%100
97	MP3B	X	.292	.292	0	%100
98	MP3B	Z	-.507	-.507	0	%100
99	MP4B	X	.292	.292	0	%100
100	MP4B	Z	-.507	-.507	0	%100
101	MP2B	X	.292	.292	0	%100
102	MP2B	Z	-.507	-.507	0	%100
103	MP1B	X	.292	.292	0	%100
104	MP1B	Z	-.507	-.507	0	%100
105	M103	X	.239	.239	0	%100
106	M103	Z	-.414	-.414	0	%100
107	M104	X	.266	.266	0	%100
108	M104	Z	-.46	-.46	0	%100
109	M109	X	.266	.266	0	%100
110	M109	Z	-.46	-.46	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	.333	.333	0	%100
116	M124	Z	-.577	-.577	0	%100
117	M127	X	.333	.333	0	%100
118	M127	Z	-.577	-.577	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.187	.187	0	%100
2	M1	Z	-.108	-.108	0	%100
3	M4	X	.622	.622	0	%100
4	M4	Z	-.359	-.359	0	%100
5	M10	X	.174	.174	0	%100
6	M10	Z	-.101	-.101	0	%100
7	MP3A	X	.507	.507	0	%100
8	MP3A	Z	-.292	-.292	0	%100
9	MP4A	X	.507	.507	0	%100
10	MP4A	Z	-.292	-.292	0	%100
11	MP2A	X	.507	.507	0	%100
12	MP2A	Z	-.292	-.292	0	%100
13	MP1A	X	.507	.507	0	%100
14	MP1A	Z	-.292	-.292	0	%100
15	M43	X	.174	.174	0	%100
16	M43	Z	-.101	-.101	0	%100
17	M46	X	.32	.32	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,%]
18	M46	Z	-.185	-.185	0	%100
19	M51B	X	.711	.711	0	%100
20	M51B	Z	-.41	-.41	0	%100
21	M52B	X	.178	.178	0	%100
22	M52B	Z	-.103	-.103	0	%100
23	M76	X	.96	.96	0	%100
24	M76	Z	-.554	-.554	0	%100
25	M77	X	1.303	1.303	0	%100
26	M77	Z	-.753	-.753	0	%100
27	M80	X	1.373	1.373	0	%100
28	M80	Z	-.793	-.793	0	%100
29	M84	X	.96	.96	0	%100
30	M84	Z	-.554	-.554	0	%100
31	M85	X	.326	.326	0	%100
32	M85	Z	-.188	-.188	0	%100
33	M91	X	.343	.343	0	%100
34	M91	Z	-.198	-.198	0	%100
35	M53	X	.697	.697	0	%100
36	M53	Z	-.403	-.403	0	%100
37	M54	X	.697	.697	0	%100
38	M54	Z	-.403	-.403	0	%100
39	M55	X	1.28	1.28	0	%100
40	M55	Z	-.739	-.739	0	%100
41	M58A	X	.178	.178	0	%100
42	M58A	Z	-.103	-.103	0	%100
43	M59A	X	.178	.178	0	%100
44	M59A	Z	-.103	-.103	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	.326	.326	0	%100
48	M64	Z	-.188	-.188	0	%100
49	M66	X	.343	.343	0	%100
50	M66	Z	-.198	-.198	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	.326	.326	0	%100
54	M69	Z	-.188	-.188	0	%100
55	M71	X	.343	.343	0	%100
56	M71	Z	-.198	-.198	0	%100
57	M77A	X	.174	.174	0	%100
58	M77A	Z	-.101	-.101	0	%100
59	M78	X	.174	.174	0	%100
60	M78	Z	-.101	-.101	0	%100
61	M79A	X	.32	.32	0	%100
62	M79A	Z	-.185	-.185	0	%100
63	M82	X	.178	.178	0	%100
64	M82	Z	-.103	-.103	0	%100
65	M83A	X	.711	.711	0	%100
66	M83A	Z	-.41	-.41	0	%100
67	M87	X	.96	.96	0	%100
68	M87	Z	-.554	-.554	0	%100
69	M88A	X	.326	.326	0	%100
70	M88A	Z	-.188	-.188	0	%100
71	M90	X	.343	.343	0	%100
72	M90	Z	-.198	-.198	0	%100
73	M92A	X	.96	.96	0	%100
74	M92A	Z	-.554	-.554	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,%]
75	M93	X	1.303	1.303	0	%100
76	M93	Z	-.753	-.753	0	%100
77	M95	X	1.373	1.373	0	%100
78	M95	Z	-.793	-.793	0	%100
79	M82A	X	.747	.747	0	%100
80	M82A	Z	-.431	-.431	0	%100
81	M91B	X	.187	.187	0	%100
82	M91B	Z	-.108	-.108	0	%100
83	M135	X	.414	.414	0	%100
84	M135	Z	-.239	-.239	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	.622	.622	0	%100
88	M101	Z	-.359	-.359	0	%100
89	MP3C	X	.507	.507	0	%100
90	MP3C	Z	-.292	-.292	0	%100
91	MP4C	X	.507	.507	0	%100
92	MP4C	Z	-.292	-.292	0	%100
93	MP2C	X	.507	.507	0	%100
94	MP2C	Z	-.292	-.292	0	%100
95	MP1C	X	.507	.507	0	%100
96	MP1C	Z	-.292	-.292	0	%100
97	MP3B	X	.507	.507	0	%100
98	MP3B	Z	-.292	-.292	0	%100
99	MP4B	X	.507	.507	0	%100
100	MP4B	Z	-.292	-.292	0	%100
101	MP2B	X	.507	.507	0	%100
102	MP2B	Z	-.292	-.292	0	%100
103	MP1B	X	.507	.507	0	%100
104	MP1B	Z	-.292	-.292	0	%100
105	M103	X	.414	.414	0	%100
106	M103	Z	-.239	-.239	0	%100
107	M104	X	.153	.153	0	%100
108	M104	Z	-.089	-.089	0	%100
109	M109	X	.613	.613	0	%100
110	M109	Z	-.354	-.354	0	%100
111	M114	X	.153	.153	0	%100
112	M114	Z	-.089	-.089	0	%100
113	M121	X	.192	.192	0	%100
114	M121	Z	-.111	-.111	0	%100
115	M124	X	.192	.192	0	%100
116	M124	Z	-.111	-.111	0	%100
117	M127	X	.769	.769	0	%100
118	M127	Z	-.444	-.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.958	.958	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.585	.585	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.585	.585	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,%]
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.585	.585	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.585	.585	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.615	.615	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.615	.615	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.478	1.478	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.129	1.129	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.189	1.189	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.478	1.478	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.129	1.129	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.189	1.189	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	.604	.604	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	.604	.604	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	1.108	1.108	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	.615	.615	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	.369	.369	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	1.129	1.129	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	1.189	1.189	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.369	.369	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M77A	X	.604	.604	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	.604	.604	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	1.108	1.108	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	0	0	0	%100
65	M83A	X	.615	.615	0	%100
66	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M87	X	.369	.369	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	0	0	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	0	0	0	%100
73	M92A	X	.369	.369	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	1.129	1.129	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	1.189	1.189	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	.647	.647	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	.647	.647	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	.478	.478	0	%100
84	M135	Z	0	0	0	%100
85	M100	X	.24	.24	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	.24	.24	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	.585	.585	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	.585	.585	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	.585	.585	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	.585	.585	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	.585	.585	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	.585	.585	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	.585	.585	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	.585	.585	0	%100
104	MP1B	Z	0	0	0	%100
105	M103	X	.478	.478	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M109	X	.531	.531	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	.531	.531	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	.666	.666	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	0	0	0	%100
117	M127	X	.666	.666	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.187	.187	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,%]
2	M1	Z	.108	.108	0	%100
3	M4	X	.622	.622	0	%100
4	M4	Z	.359	.359	0	%100
5	M10	X	.174	.174	0	%100
6	M10	Z	.101	.101	0	%100
7	MP3A	X	.507	.507	0	%100
8	MP3A	Z	.292	.292	0	%100
9	MP4A	X	.507	.507	0	%100
10	MP4A	Z	.292	.292	0	%100
11	MP2A	X	.507	.507	0	%100
12	MP2A	Z	.292	.292	0	%100
13	MP1A	X	.507	.507	0	%100
14	MP1A	Z	.292	.292	0	%100
15	M43	X	.174	.174	0	%100
16	M43	Z	.101	.101	0	%100
17	M46	X	.32	.32	0	%100
18	M46	Z	.185	.185	0	%100
19	M51B	X	.178	.178	0	%100
20	M51B	Z	.103	.103	0	%100
21	M52B	X	.711	.711	0	%100
22	M52B	Z	.41	.41	0	%100
23	M76	X	.96	.96	0	%100
24	M76	Z	.554	.554	0	%100
25	M77	X	.326	.326	0	%100
26	M77	Z	.188	.188	0	%100
27	M80	X	.343	.343	0	%100
28	M80	Z	.198	.198	0	%100
29	M84	X	.96	.96	0	%100
30	M84	Z	.554	.554	0	%100
31	M85	X	1.303	1.303	0	%100
32	M85	Z	.753	.753	0	%100
33	M91	X	1.373	1.373	0	%100
34	M91	Z	.793	.793	0	%100
35	M53	X	.174	.174	0	%100
36	M53	Z	.101	.101	0	%100
37	M54	X	.174	.174	0	%100
38	M54	Z	.101	.101	0	%100
39	M55	X	.32	.32	0	%100
40	M55	Z	.185	.185	0	%100
41	M58A	X	.711	.711	0	%100
42	M58A	Z	.41	.41	0	%100
43	M59A	X	.178	.178	0	%100
44	M59A	Z	.103	.103	0	%100
45	M63	X	.96	.96	0	%100
46	M63	Z	.554	.554	0	%100
47	M64	X	1.303	1.303	0	%100
48	M64	Z	.753	.753	0	%100
49	M66	X	1.373	1.373	0	%100
50	M66	Z	.793	.793	0	%100
51	M68	X	.96	.96	0	%100
52	M68	Z	.554	.554	0	%100
53	M69	X	.326	.326	0	%100
54	M69	Z	.188	.188	0	%100
55	M71	X	.343	.343	0	%100
56	M71	Z	.198	.198	0	%100
57	M77A	X	.697	.697	0	%100
58	M77A	Z	.403	.403	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,%]
59	M78	X	.697	.697	0	%100
60	M78	Z	.403	.403	0	%100
61	M79A	X	1.28	1.28	0	%100
62	M79A	Z	.739	.739	0	%100
63	M82	X	.178	.178	0	%100
64	M82	Z	.103	.103	0	%100
65	M83A	X	.178	.178	0	%100
66	M83A	Z	.103	.103	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	.326	.326	0	%100
70	M88A	Z	.188	.188	0	%100
71	M90	X	.343	.343	0	%100
72	M90	Z	.198	.198	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	.326	.326	0	%100
76	M93	Z	.188	.188	0	%100
77	M95	X	.343	.343	0	%100
78	M95	Z	.198	.198	0	%100
79	M82A	X	.187	.187	0	%100
80	M82A	Z	.108	.108	0	%100
81	M91B	X	.747	.747	0	%100
82	M91B	Z	.431	.431	0	%100
83	M135	X	.414	.414	0	%100
84	M135	Z	.239	.239	0	%100
85	M100	X	.622	.622	0	%100
86	M100	Z	.359	.359	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	.507	.507	0	%100
90	MP3C	Z	.292	.292	0	%100
91	MP4C	X	.507	.507	0	%100
92	MP4C	Z	.292	.292	0	%100
93	MP2C	X	.507	.507	0	%100
94	MP2C	Z	.292	.292	0	%100
95	MP1C	X	.507	.507	0	%100
96	MP1C	Z	.292	.292	0	%100
97	MP3B	X	.507	.507	0	%100
98	MP3B	Z	.292	.292	0	%100
99	MP4B	X	.507	.507	0	%100
100	MP4B	Z	.292	.292	0	%100
101	MP2B	X	.507	.507	0	%100
102	MP2B	Z	.292	.292	0	%100
103	MP1B	X	.507	.507	0	%100
104	MP1B	Z	.292	.292	0	%100
105	M103	X	.414	.414	0	%100
106	M103	Z	.239	.239	0	%100
107	M104	X	.153	.153	0	%100
108	M104	Z	.089	.089	0	%100
109	M109	X	.153	.153	0	%100
110	M109	Z	.089	.089	0	%100
111	M114	X	.613	.613	0	%100
112	M114	Z	.354	.354	0	%100
113	M121	X	.769	.769	0	%100
114	M121	Z	.444	.444	0	%100
115	M124	X	.192	.192	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,%]
116	M124	Z	.111	.111	0	%100
117	M127	X	.192	.192	0	%100
118	M127	Z	.111	.111	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.323	.323	0	%100
2	M1	Z	.56	.56	0	%100
3	M4	X	.12	.12	0	%100
4	M4	Z	.207	.207	0	%100
5	M10	X	.302	.302	0	%100
6	M10	Z	.523	.523	0	%100
7	MP3A	X	.292	.292	0	%100
8	MP3A	Z	.507	.507	0	%100
9	MP4A	X	.292	.292	0	%100
10	MP4A	Z	.507	.507	0	%100
11	MP2A	X	.292	.292	0	%100
12	MP2A	Z	.507	.507	0	%100
13	MP1A	X	.292	.292	0	%100
14	MP1A	Z	.507	.507	0	%100
15	M43	X	.302	.302	0	%100
16	M43	Z	.523	.523	0	%100
17	M46	X	.554	.554	0	%100
18	M46	Z	.96	.96	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.308	.308	0	%100
22	M52B	Z	.533	.533	0	%100
23	M76	X	.185	.185	0	%100
24	M76	Z	.32	.32	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.185	.185	0	%100
30	M84	Z	.32	.32	0	%100
31	M85	X	.564	.564	0	%100
32	M85	Z	.978	.978	0	%100
33	M91	X	.594	.594	0	%100
34	M91	Z	1.03	1.03	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	.308	.308	0	%100
42	M58A	Z	.533	.533	0	%100
43	M59A	X	.308	.308	0	%100
44	M59A	Z	.533	.533	0	%100
45	M63	X	.739	.739	0	%100
46	M63	Z	1.28	1.28	0	%100
47	M64	X	.564	.564	0	%100
48	M64	Z	.978	.978	0	%100
49	M66	X	.594	.594	0	%100
50	M66	Z	1.03	1.03	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,%]
51	M68	X	.739	.739	0	%100
52	M68	Z	1.28	1.28	0	%100
53	M69	X	.564	.564	0	%100
54	M69	Z	.978	.978	0	%100
55	M71	X	.594	.594	0	%100
56	M71	Z	1.03	1.03	0	%100
57	M77A	X	.302	.302	0	%100
58	M77A	Z	.523	.523	0	%100
59	M78	X	.302	.302	0	%100
60	M78	Z	.523	.523	0	%100
61	M79A	X	.554	.554	0	%100
62	M79A	Z	.96	.96	0	%100
63	M82	X	.308	.308	0	%100
64	M82	Z	.533	.533	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	.185	.185	0	%100
68	M87	Z	.32	.32	0	%100
69	M88A	X	.564	.564	0	%100
70	M88A	Z	.978	.978	0	%100
71	M90	X	.594	.594	0	%100
72	M90	Z	1.03	1.03	0	%100
73	M92A	X	.185	.185	0	%100
74	M92A	Z	.32	.32	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	.323	.323	0	%100
82	M91B	Z	.56	.56	0	%100
83	M135	X	.239	.239	0	%100
84	M135	Z	.414	.414	0	%100
85	M100	X	.479	.479	0	%100
86	M100	Z	.83	.83	0	%100
87	M101	X	.12	.12	0	%100
88	M101	Z	.207	.207	0	%100
89	MP3C	X	.292	.292	0	%100
90	MP3C	Z	.507	.507	0	%100
91	MP4C	X	.292	.292	0	%100
92	MP4C	Z	.507	.507	0	%100
93	MP2C	X	.292	.292	0	%100
94	MP2C	Z	.507	.507	0	%100
95	MP1C	X	.292	.292	0	%100
96	MP1C	Z	.507	.507	0	%100
97	MP3B	X	.292	.292	0	%100
98	MP3B	Z	.507	.507	0	%100
99	MP4B	X	.292	.292	0	%100
100	MP4B	Z	.507	.507	0	%100
101	MP2B	X	.292	.292	0	%100
102	MP2B	Z	.507	.507	0	%100
103	MP1B	X	.292	.292	0	%100
104	MP1B	Z	.507	.507	0	%100
105	M103	X	.239	.239	0	%100
106	M103	Z	.414	.414	0	%100
107	M104	X	.266	.266	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,%]
108	M104	Z	.46	.46	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	.266	.266	0	%100
112	M114	Z	.46	.46	0	%100
113	M121	X	.333	.333	0	%100
114	M121	Z	.577	.577	0	%100
115	M124	X	.333	.333	0	%100
116	M124	Z	.577	.577	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.862	.862	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.805	.805	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.585	.585	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.585	.585	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.585	.585	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.585	.585	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.805	.805	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.478	1.478	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.205	.205	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.205	.205	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.376	.376	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.396	.396	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.376	.376	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.396	.396	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.201	.201	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.201	.201	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	.369	.369	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.205	.205	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,%]
43	M59A	X	0	0	0	%100
44	M59A	Z	.821	.821	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	1.108	1.108	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	.376	.376	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	.396	.396	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	1.108	1.108	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	1.505	1.505	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	1.585	1.585	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	.201	.201	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	.201	.201	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	.369	.369	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	.821	.821	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	.205	.205	0	%100
67	M87	X	0	0	0	%100
68	M87	Z	1.108	1.108	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	1.505	1.505	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	1.585	1.585	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	1.108	1.108	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	.376	.376	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	.396	.396	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	.216	.216	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	.216	.216	0	%100
83	M135	X	0	0	0	%100
84	M135	Z	.478	.478	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	.719	.719	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	.719	.719	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.585	.585	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.585	.585	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.585	.585	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	.585	.585	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	.585	.585	0	%100
99	MP4B	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,%]
100	MP4B	Z	.585	.585	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	.585	.585	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	.585	.585	0	%100
105	M103	X	0	0	0	%100
106	M103	Z	.478	.478	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	.708	.708	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	.177	.177	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	.177	.177	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	.222	.222	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	.888	.888	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.222	.222	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.323	-.323	0	%100
2	M1	Z	.56	.56	0	%100
3	M4	X	-.12	-.12	0	%100
4	M4	Z	.207	.207	0	%100
5	M10	X	-.302	-.302	0	%100
6	M10	Z	.523	.523	0	%100
7	MP3A	X	-.292	-.292	0	%100
8	MP3A	Z	.507	.507	0	%100
9	MP4A	X	-.292	-.292	0	%100
10	MP4A	Z	.507	.507	0	%100
11	MP2A	X	-.292	-.292	0	%100
12	MP2A	Z	.507	.507	0	%100
13	MP1A	X	-.292	-.292	0	%100
14	MP1A	Z	.507	.507	0	%100
15	M43	X	-.302	-.302	0	%100
16	M43	Z	.523	.523	0	%100
17	M46	X	-.554	-.554	0	%100
18	M46	Z	.96	.96	0	%100
19	M51B	X	-.308	-.308	0	%100
20	M51B	Z	.533	.533	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.185	-.185	0	%100
24	M76	Z	.32	.32	0	%100
25	M77	X	-.564	-.564	0	%100
26	M77	Z	.978	.978	0	%100
27	M80	X	-.594	-.594	0	%100
28	M80	Z	1.03	1.03	0	%100
29	M84	X	-.185	-.185	0	%100
30	M84	Z	.32	.32	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M53	X	-.302	-.302	0	%100
36	M53	Z	.523	.523	0	%100
37	M54	X	-.302	-.302	0	%100
38	M54	Z	.523	.523	0	%100
39	M55	X	-.554	-.554	0	%100
40	M55	Z	.96	.96	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-.308	-.308	0	%100
44	M59A	Z	.533	.533	0	%100
45	M63	X	-.185	-.185	0	%100
46	M63	Z	.32	.32	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.185	-.185	0	%100
52	M68	Z	.32	.32	0	%100
53	M69	X	-.564	-.564	0	%100
54	M69	Z	.978	.978	0	%100
55	M71	X	-.594	-.594	0	%100
56	M71	Z	1.03	1.03	0	%100
57	M77A	X	0	0	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	0	0	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	-.308	-.308	0	%100
64	M82	Z	.533	.533	0	%100
65	M83A	X	-.308	-.308	0	%100
66	M83A	Z	.533	.533	0	%100
67	M87	X	-.739	-.739	0	%100
68	M87	Z	1.28	1.28	0	%100
69	M88A	X	-.564	-.564	0	%100
70	M88A	Z	.978	.978	0	%100
71	M90	X	-.594	-.594	0	%100
72	M90	Z	1.03	1.03	0	%100
73	M92A	X	-.739	-.739	0	%100
74	M92A	Z	1.28	1.28	0	%100
75	M93	X	-.564	-.564	0	%100
76	M93	Z	.978	.978	0	%100
77	M95	X	-.594	-.594	0	%100
78	M95	Z	1.03	1.03	0	%100
79	M82A	X	-.323	-.323	0	%100
80	M82A	Z	.56	.56	0	%100
81	M91B	X	0	0	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	-.239	-.239	0	%100
84	M135	Z	.414	.414	0	%100
85	M100	X	-.12	-.12	0	%100
86	M100	Z	.207	.207	0	%100
87	M101	X	-.479	-.479	0	%100
88	M101	Z	.83	.83	0	%100
89	MP3C	X	-.292	-.292	0	%100
90	MP3C	Z	.507	.507	0	%100
91	MP4C	X	-.292	-.292	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,%]
92	MP4C	Z	.507	.507	0	%100
93	MP2C	X	-.292	-.292	0	%100
94	MP2C	Z	.507	.507	0	%100
95	MP1C	X	-.292	-.292	0	%100
96	MP1C	Z	.507	.507	0	%100
97	MP3B	X	-.292	-.292	0	%100
98	MP3B	Z	.507	.507	0	%100
99	MP4B	X	-.292	-.292	0	%100
100	MP4B	Z	.507	.507	0	%100
101	MP2B	X	-.292	-.292	0	%100
102	MP2B	Z	.507	.507	0	%100
103	MP1B	X	-.292	-.292	0	%100
104	MP1B	Z	.507	.507	0	%100
105	M103	X	-.239	-.239	0	%100
106	M103	Z	.414	.414	0	%100
107	M104	X	-.266	-.266	0	%100
108	M104	Z	.46	.46	0	%100
109	M109	X	-.266	-.266	0	%100
110	M109	Z	.46	.46	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	-.333	-.333	0	%100
116	M124	Z	.577	.577	0	%100
117	M127	X	-.333	-.333	0	%100
118	M127	Z	.577	.577	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.187	-.187	0	%100
2	M1	Z	.108	.108	0	%100
3	M4	X	-.622	-.622	0	%100
4	M4	Z	.359	.359	0	%100
5	M10	X	-.174	-.174	0	%100
6	M10	Z	.101	.101	0	%100
7	MP3A	X	-.507	-.507	0	%100
8	MP3A	Z	.292	.292	0	%100
9	MP4A	X	-.507	-.507	0	%100
10	MP4A	Z	.292	.292	0	%100
11	MP2A	X	-.507	-.507	0	%100
12	MP2A	Z	.292	.292	0	%100
13	MP1A	X	-.507	-.507	0	%100
14	MP1A	Z	.292	.292	0	%100
15	M43	X	-.174	-.174	0	%100
16	M43	Z	.101	.101	0	%100
17	M46	X	-.32	-.32	0	%100
18	M46	Z	.185	.185	0	%100
19	M51B	X	-.711	-.711	0	%100
20	M51B	Z	.41	.41	0	%100
21	M52B	X	-.178	-.178	0	%100
22	M52B	Z	.103	.103	0	%100
23	M76	X	-.96	-.96	0	%100
24	M76	Z	.554	.554	0	%100
25	M77	X	-1.303	-1.303	0	%100
26	M77	Z	.753	.753	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,%]
27	M80	X	-1.373	-1.373	0	%100
28	M80	Z	.793	.793	0	%100
29	M84	X	-.96	-.96	0	%100
30	M84	Z	.554	.554	0	%100
31	M85	X	-.326	-.326	0	%100
32	M85	Z	.188	.188	0	%100
33	M91	X	-.343	-.343	0	%100
34	M91	Z	.198	.198	0	%100
35	M53	X	-.697	-.697	0	%100
36	M53	Z	.403	.403	0	%100
37	M54	X	-.697	-.697	0	%100
38	M54	Z	.403	.403	0	%100
39	M55	X	-1.28	-1.28	0	%100
40	M55	Z	.739	.739	0	%100
41	M58A	X	-.178	-.178	0	%100
42	M58A	Z	.103	.103	0	%100
43	M59A	X	-.178	-.178	0	%100
44	M59A	Z	.103	.103	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-.326	-.326	0	%100
48	M64	Z	.188	.188	0	%100
49	M66	X	-.343	-.343	0	%100
50	M66	Z	.198	.198	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-.326	-.326	0	%100
54	M69	Z	.188	.188	0	%100
55	M71	X	-.343	-.343	0	%100
56	M71	Z	.198	.198	0	%100
57	M77A	X	-.174	-.174	0	%100
58	M77A	Z	.101	.101	0	%100
59	M78	X	-.174	-.174	0	%100
60	M78	Z	.101	.101	0	%100
61	M79A	X	-.32	-.32	0	%100
62	M79A	Z	.185	.185	0	%100
63	M82	X	-.178	-.178	0	%100
64	M82	Z	.103	.103	0	%100
65	M83A	X	-.711	-.711	0	%100
66	M83A	Z	.41	.41	0	%100
67	M87	X	-.96	-.96	0	%100
68	M87	Z	.554	.554	0	%100
69	M88A	X	-.326	-.326	0	%100
70	M88A	Z	.188	.188	0	%100
71	M90	X	-.343	-.343	0	%100
72	M90	Z	.198	.198	0	%100
73	M92A	X	-.96	-.96	0	%100
74	M92A	Z	.554	.554	0	%100
75	M93	X	-1.303	-1.303	0	%100
76	M93	Z	.753	.753	0	%100
77	M95	X	-1.373	-1.373	0	%100
78	M95	Z	.793	.793	0	%100
79	M82A	X	-.747	-.747	0	%100
80	M82A	Z	.431	.431	0	%100
81	M91B	X	-.187	-.187	0	%100
82	M91B	Z	.108	.108	0	%100
83	M135	X	-.414	-.414	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,%]
84	M135	Z	.239	.239	0	%100
85	M100	X	0	0	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	-.622	-.622	0	%100
88	M101	Z	.359	.359	0	%100
89	MP3C	X	-.507	-.507	0	%100
90	MP3C	Z	.292	.292	0	%100
91	MP4C	X	-.507	-.507	0	%100
92	MP4C	Z	.292	.292	0	%100
93	MP2C	X	-.507	-.507	0	%100
94	MP2C	Z	.292	.292	0	%100
95	MP1C	X	-.507	-.507	0	%100
96	MP1C	Z	.292	.292	0	%100
97	MP3B	X	-.507	-.507	0	%100
98	MP3B	Z	.292	.292	0	%100
99	MP4B	X	-.507	-.507	0	%100
100	MP4B	Z	.292	.292	0	%100
101	MP2B	X	-.507	-.507	0	%100
102	MP2B	Z	.292	.292	0	%100
103	MP1B	X	-.507	-.507	0	%100
104	MP1B	Z	.292	.292	0	%100
105	M103	X	-.414	-.414	0	%100
106	M103	Z	.239	.239	0	%100
107	M104	X	-.153	-.153	0	%100
108	M104	Z	.089	.089	0	%100
109	M109	X	-.613	-.613	0	%100
110	M109	Z	.354	.354	0	%100
111	M114	X	-.153	-.153	0	%100
112	M114	Z	.089	.089	0	%100
113	M121	X	-.192	-.192	0	%100
114	M121	Z	.111	.111	0	%100
115	M124	X	-.192	-.192	0	%100
116	M124	Z	.111	.111	0	%100
117	M127	X	-.769	-.769	0	%100
118	M127	Z	.444	.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.958	-.958	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.585	-.585	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.585	-.585	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.585	-.585	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.585	-.585	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M51B	X	-.615	-.615	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.615	-.615	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.478	-1.478	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.129	-1.129	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.189	-1.189	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.478	-1.478	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.129	-1.129	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.189	-1.189	0	%100
34	M91	Z	0	0	0	%100
35	M53	X	-.604	-.604	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-.604	-.604	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-1.108	-1.108	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-.615	-.615	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-.369	-.369	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-1.129	-1.129	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-1.189	-1.189	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.369	-.369	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M77A	X	-.604	-.604	0	%100
58	M77A	Z	0	0	0	%100
59	M78	X	-.604	-.604	0	%100
60	M78	Z	0	0	0	%100
61	M79A	X	-1.108	-1.108	0	%100
62	M79A	Z	0	0	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	0	0	0	%100
65	M83A	X	-.615	-.615	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	-.369	-.369	0	%100
68	M87	Z	0	0	0	%100
69	M88A	X	0	0	0	%100
70	M88A	Z	0	0	0	%100
71	M90	X	0	0	0	%100
72	M90	Z	0	0	0	%100
73	M92A	X	-.369	-.369	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	-1.129	-1.129	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,%]
76	M93	Z	0	0	0	%100
77	M95	X	-1.189	-1.189	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	-.647	-.647	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	-.647	-.647	0	%100
82	M91B	Z	0	0	0	%100
83	M135	X	-.478	-.478	0	%100
84	M135	Z	0	0	0	%100
85	M100	X	-.24	-.24	0	%100
86	M100	Z	0	0	0	%100
87	M101	X	-.24	-.24	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-.585	-.585	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-.585	-.585	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-.585	-.585	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-.585	-.585	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	-.585	-.585	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	-.585	-.585	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	-.585	-.585	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-.585	-.585	0	%100
104	MP1B	Z	0	0	0	%100
105	M103	X	-.478	-.478	0	%100
106	M103	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M109	X	-.531	-.531	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	-.531	-.531	0	%100
112	M114	Z	0	0	0	%100
113	M121	X	-.666	-.666	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	0	0	0	%100
117	M127	X	-.666	-.666	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.187	-.187	0	%100
2	M1	Z	-.108	-.108	0	%100
3	M4	X	-.622	-.622	0	%100
4	M4	Z	-.359	-.359	0	%100
5	M10	X	-.174	-.174	0	%100
6	M10	Z	-.101	-.101	0	%100
7	MP3A	X	-.507	-.507	0	%100
8	MP3A	Z	-.292	-.292	0	%100
9	MP4A	X	-.507	-.507	0	%100
10	MP4A	Z	-.292	-.292	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,%]
11	MP2A	X	-.507	-.507	0	%100
12	MP2A	Z	-.292	-.292	0	%100
13	MP1A	X	-.507	-.507	0	%100
14	MP1A	Z	-.292	-.292	0	%100
15	M43	X	-.174	-.174	0	%100
16	M43	Z	-.101	-.101	0	%100
17	M46	X	-.32	-.32	0	%100
18	M46	Z	-.185	-.185	0	%100
19	M51B	X	-.178	-.178	0	%100
20	M51B	Z	-.103	-.103	0	%100
21	M52B	X	-.711	-.711	0	%100
22	M52B	Z	-.41	-.41	0	%100
23	M76	X	-.96	-.96	0	%100
24	M76	Z	-.554	-.554	0	%100
25	M77	X	-.326	-.326	0	%100
26	M77	Z	-.188	-.188	0	%100
27	M80	X	-.343	-.343	0	%100
28	M80	Z	-.198	-.198	0	%100
29	M84	X	-.96	-.96	0	%100
30	M84	Z	-.554	-.554	0	%100
31	M85	X	-1.303	-1.303	0	%100
32	M85	Z	-.753	-.753	0	%100
33	M91	X	-1.373	-1.373	0	%100
34	M91	Z	-.793	-.793	0	%100
35	M53	X	-.174	-.174	0	%100
36	M53	Z	-.101	-.101	0	%100
37	M54	X	-.174	-.174	0	%100
38	M54	Z	-.101	-.101	0	%100
39	M55	X	-.32	-.32	0	%100
40	M55	Z	-.185	-.185	0	%100
41	M58A	X	-.711	-.711	0	%100
42	M58A	Z	-.41	-.41	0	%100
43	M59A	X	-.178	-.178	0	%100
44	M59A	Z	-.103	-.103	0	%100
45	M63	X	-.96	-.96	0	%100
46	M63	Z	-.554	-.554	0	%100
47	M64	X	-1.303	-1.303	0	%100
48	M64	Z	-.753	-.753	0	%100
49	M66	X	-1.373	-1.373	0	%100
50	M66	Z	-.793	-.793	0	%100
51	M68	X	-.96	-.96	0	%100
52	M68	Z	-.554	-.554	0	%100
53	M69	X	-.326	-.326	0	%100
54	M69	Z	-.188	-.188	0	%100
55	M71	X	-.343	-.343	0	%100
56	M71	Z	-.198	-.198	0	%100
57	M77A	X	-.697	-.697	0	%100
58	M77A	Z	-.403	-.403	0	%100
59	M78	X	-.697	-.697	0	%100
60	M78	Z	-.403	-.403	0	%100
61	M79A	X	-1.28	-1.28	0	%100
62	M79A	Z	-.739	-.739	0	%100
63	M82	X	-.178	-.178	0	%100
64	M82	Z	-.103	-.103	0	%100
65	M83A	X	-.178	-.178	0	%100
66	M83A	Z	-.103	-.103	0	%100
67	M87	X	0	0	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,%]
68	M87	Z	0	0	0	%100
69	M88A	X	-.326	-.326	0	%100
70	M88A	Z	-.188	-.188	0	%100
71	M90	X	-.343	-.343	0	%100
72	M90	Z	-.198	-.198	0	%100
73	M92A	X	0	0	0	%100
74	M92A	Z	0	0	0	%100
75	M93	X	-.326	-.326	0	%100
76	M93	Z	-.188	-.188	0	%100
77	M95	X	-.343	-.343	0	%100
78	M95	Z	-.198	-.198	0	%100
79	M82A	X	-.187	-.187	0	%100
80	M82A	Z	-.108	-.108	0	%100
81	M91B	X	-.747	-.747	0	%100
82	M91B	Z	-.431	-.431	0	%100
83	M135	X	-.414	-.414	0	%100
84	M135	Z	-.239	-.239	0	%100
85	M100	X	-.622	-.622	0	%100
86	M100	Z	-.359	-.359	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-.507	-.507	0	%100
90	MP3C	Z	-.292	-.292	0	%100
91	MP4C	X	-.507	-.507	0	%100
92	MP4C	Z	-.292	-.292	0	%100
93	MP2C	X	-.507	-.507	0	%100
94	MP2C	Z	-.292	-.292	0	%100
95	MP1C	X	-.507	-.507	0	%100
96	MP1C	Z	-.292	-.292	0	%100
97	MP3B	X	-.507	-.507	0	%100
98	MP3B	Z	-.292	-.292	0	%100
99	MP4B	X	-.507	-.507	0	%100
100	MP4B	Z	-.292	-.292	0	%100
101	MP2B	X	-.507	-.507	0	%100
102	MP2B	Z	-.292	-.292	0	%100
103	MP1B	X	-.507	-.507	0	%100
104	MP1B	Z	-.292	-.292	0	%100
105	M103	X	-.414	-.414	0	%100
106	M103	Z	-.239	-.239	0	%100
107	M104	X	-.153	-.153	0	%100
108	M104	Z	-.089	-.089	0	%100
109	M109	X	-.153	-.153	0	%100
110	M109	Z	-.089	-.089	0	%100
111	M114	X	-.613	-.613	0	%100
112	M114	Z	-.354	-.354	0	%100
113	M121	X	-.769	-.769	0	%100
114	M121	Z	-.444	-.444	0	%100
115	M124	X	-.192	-.192	0	%100
116	M124	Z	-.111	-.111	0	%100
117	M127	X	-.192	-.192	0	%100
118	M127	Z	-.111	-.111	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.323	-.323	0	%100
2	M1	Z	-.56	-.56	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,%]
3	M4	X	-.12	-.12	0	%100
4	M4	Z	-.207	-.207	0	%100
5	M10	X	-.302	-.302	0	%100
6	M10	Z	-.523	-.523	0	%100
7	MP3A	X	-.292	-.292	0	%100
8	MP3A	Z	-.507	-.507	0	%100
9	MP4A	X	-.292	-.292	0	%100
10	MP4A	Z	-.507	-.507	0	%100
11	MP2A	X	-.292	-.292	0	%100
12	MP2A	Z	-.507	-.507	0	%100
13	MP1A	X	-.292	-.292	0	%100
14	MP1A	Z	-.507	-.507	0	%100
15	M43	X	-.302	-.302	0	%100
16	M43	Z	-.523	-.523	0	%100
17	M46	X	-.554	-.554	0	%100
18	M46	Z	-.96	-.96	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.308	-.308	0	%100
22	M52B	Z	-.533	-.533	0	%100
23	M76	X	-.185	-.185	0	%100
24	M76	Z	-.32	-.32	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.185	-.185	0	%100
30	M84	Z	-.32	-.32	0	%100
31	M85	X	-.564	-.564	0	%100
32	M85	Z	-.978	-.978	0	%100
33	M91	X	-.594	-.594	0	%100
34	M91	Z	-1.03	-1.03	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-.308	-.308	0	%100
42	M58A	Z	-.533	-.533	0	%100
43	M59A	X	-.308	-.308	0	%100
44	M59A	Z	-.533	-.533	0	%100
45	M63	X	-.739	-.739	0	%100
46	M63	Z	-1.28	-1.28	0	%100
47	M64	X	-.564	-.564	0	%100
48	M64	Z	-.978	-.978	0	%100
49	M66	X	-.594	-.594	0	%100
50	M66	Z	-1.03	-1.03	0	%100
51	M68	X	-.739	-.739	0	%100
52	M68	Z	-1.28	-1.28	0	%100
53	M69	X	-.564	-.564	0	%100
54	M69	Z	-.978	-.978	0	%100
55	M71	X	-.594	-.594	0	%100
56	M71	Z	-1.03	-1.03	0	%100
57	M77A	X	-.302	-.302	0	%100
58	M77A	Z	-.523	-.523	0	%100
59	M78	X	-.302	-.302	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,%]
60	M78	Z	-.523	-.523	0	%100
61	M79A	X	-.554	-.554	0	%100
62	M79A	Z	-.96	-.96	0	%100
63	M82	X	-.308	-.308	0	%100
64	M82	Z	-.533	-.533	0	%100
65	M83A	X	0	0	0	%100
66	M83A	Z	0	0	0	%100
67	M87	X	-.185	-.185	0	%100
68	M87	Z	-.32	-.32	0	%100
69	M88A	X	-.564	-.564	0	%100
70	M88A	Z	-.978	-.978	0	%100
71	M90	X	-.594	-.594	0	%100
72	M90	Z	-1.03	-1.03	0	%100
73	M92A	X	-.185	-.185	0	%100
74	M92A	Z	-.32	-.32	0	%100
75	M93	X	0	0	0	%100
76	M93	Z	0	0	0	%100
77	M95	X	0	0	0	%100
78	M95	Z	0	0	0	%100
79	M82A	X	0	0	0	%100
80	M82A	Z	0	0	0	%100
81	M91B	X	-.323	-.323	0	%100
82	M91B	Z	-.56	-.56	0	%100
83	M135	X	-.239	-.239	0	%100
84	M135	Z	-.414	-.414	0	%100
85	M100	X	-.479	-.479	0	%100
86	M100	Z	-.83	-.83	0	%100
87	M101	X	-.12	-.12	0	%100
88	M101	Z	-.207	-.207	0	%100
89	MP3C	X	-.292	-.292	0	%100
90	MP3C	Z	-.507	-.507	0	%100
91	MP4C	X	-.292	-.292	0	%100
92	MP4C	Z	-.507	-.507	0	%100
93	MP2C	X	-.292	-.292	0	%100
94	MP2C	Z	-.507	-.507	0	%100
95	MP1C	X	-.292	-.292	0	%100
96	MP1C	Z	-.507	-.507	0	%100
97	MP3B	X	-.292	-.292	0	%100
98	MP3B	Z	-.507	-.507	0	%100
99	MP4B	X	-.292	-.292	0	%100
100	MP4B	Z	-.507	-.507	0	%100
101	MP2B	X	-.292	-.292	0	%100
102	MP2B	Z	-.507	-.507	0	%100
103	MP1B	X	-.292	-.292	0	%100
104	MP1B	Z	-.507	-.507	0	%100
105	M103	X	-.239	-.239	0	%100
106	M103	Z	-.414	-.414	0	%100
107	M104	X	-.266	-.266	0	%100
108	M104	Z	-.46	-.46	0	%100
109	M109	X	0	0	0	%100
110	M109	Z	0	0	0	%100
111	M114	X	-.266	-.266	0	%100
112	M114	Z	-.46	-.46	0	%100
113	M121	X	-.333	-.333	0	%100
114	M121	Z	-.577	-.577	0	%100
115	M124	X	-.333	-.333	0	%100
116	M124	Z	-.577	-.577	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,%]
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-1.597	-4.066	0	.832
2	M58A	Y	-4.066	-6.636	.832	1.665
3	M58A	Y	-6.636	-7.874	1.665	2.497
4	M58A	Y	-7.874	-6.293	2.497	3.329
5	M58A	Y	-6.293	-3.33	3.329	4.162
6	M59A	Y	-3.329	-6.32	0	.832
7	M59A	Y	-6.32	-7.943	.832	1.665
8	M59A	Y	-7.943	-6.773	1.665	2.497
9	M59A	Y	-6.773	-4.256	2.497	3.329
10	M59A	Y	-4.256	-1.812	3.329	4.162
11	M51B	Y	-1.808	-4.259	0	.832
12	M51B	Y	-4.259	-6.771	.832	1.665
13	M51B	Y	-6.771	-7.938	1.665	2.497
14	M51B	Y	-7.938	-6.325	2.497	3.329
15	M51B	Y	-6.325	-3.336	3.329	4.162
16	M52B	Y	-3.33	-6.292	0	.832
17	M52B	Y	-6.292	-7.874	.832	1.665
18	M52B	Y	-7.874	-6.635	1.665	2.497
19	M52B	Y	-6.635	-4.064	2.497	3.329
20	M52B	Y	-4.064	-1.601	3.329	4.162
21	M82	Y	-1.808	-4.259	0	.832
22	M82	Y	-4.259	-6.771	.832	1.665
23	M82	Y	-6.771	-7.938	1.665	2.497
24	M82	Y	-7.938	-6.325	2.497	3.329
25	M82	Y	-6.325	-3.336	3.329	4.162
26	M83A	Y	-3.33	-6.292	0	.832
27	M83A	Y	-6.292	-7.874	.832	1.665
28	M83A	Y	-7.874	-6.635	1.665	2.497
29	M83A	Y	-6.635	-4.064	2.497	3.329
30	M83A	Y	-4.064	-1.601	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-5.023	-12.763	0	.832
2	M58A	Y	-12.763	-20.831	.832	1.665
3	M58A	Y	-20.831	-24.72	1.665	2.497
4	M58A	Y	-24.72	-19.759	2.497	3.329
5	M58A	Y	-19.759	-10.456	3.329	4.162
6	M59A	Y	-10.454	-19.842	0	.832
7	M59A	Y	-19.842	-24.942	.832	1.665
8	M59A	Y	-24.942	-21.279	1.665	2.497
9	M59A	Y	-21.279	-13.368	2.497	3.329
10	M59A	Y	-13.368	-5.684	3.329	4.162
11	M51B	Y	-5.679	-13.373	0	.832
12	M51B	Y	-13.373	-21.26	.832	1.665
13	M51B	Y	-21.26	-24.925	1.665	2.497
14	M51B	Y	-24.925	-19.859	2.497	3.329
15	M51B	Y	-19.859	-10.475	3.329	4.162
16	M52B	Y	-10.455	-19.756	0	.832
17	M52B	Y	-19.756	-24.726	.832	1.665
18	M52B	Y	-24.726	-20.835	1.665	2.497

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M52B	Y	-20.835	-12.759	2.497	3.329
20	M52B	Y	-12.759	-5.028	3.329	4.162
21	M82	Y	-5.679	-13.373	0	.832
22	M82	Y	-13.373	-21.26	.832	1.665
23	M82	Y	-21.26	-24.925	1.665	2.497
24	M82	Y	-24.925	-19.859	2.497	3.329
25	M82	Y	-19.859	-10.475	3.329	4.162
26	M83A	Y	-10.455	-19.756	0	.832
27	M83A	Y	-19.756	-24.726	.832	1.665
28	M83A	Y	-24.726	-20.835	1.665	2.497
29	M83A	Y	-20.835	-12.759	2.497	3.329
30	M83A	Y	-12.759	-5.028	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N90	N113	N111	N89	Y	Two Way	-.016
2	N87B	N87C	N6	N7	Y	Two Way	-.016
3	N141	N139	N117	N118	Y	Two Way	-.016

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
1	M1	PIPE_3.0	.221	4.948	19	.123	4.948		6	28250...	65205	5.749	5.749	2... H1-1b
2	M4	HSS4X4X3	.544	0	1	.116	0	y	23	95597...	106812	12.662	12.662	2... H1-1b
3	M10	HSS4X4X3	.298	2.375	14	.075	.223	z	1	10441...	106812	12.662	12.662	1... H1-1b
4	MP3A	PIPE_2.0	.508	4.25	5	.202	1.25		7	20866...	32130	1.872	1.872	2... H1-1b
5	MP4A	PIPE_2.0	.399	4.25	5	.206	1.25		7	20866...	32130	1.872	1.872	2... H1-1b
6	MP2A	PIPE_2.0	.638	3.25	7	.205	6.25		4	14916...	32130	1.872	1.872	1... H1-1b
7	MP1A	PIPE_2.0	.578	4.25	9	.220	3.688		8	20866...	32130	1.872	1.872	2... H1-1b
8	M43	HSS4X4X3	.298	0	24	.083	0	y	13	10441...	106812	12.662	12.662	1... H1-1b
9	M46	PL1/2x6_...	.212	.516	1	.205	0	y	10	66212...	97200	1.012	11.963	1... H1-1b
10	M51B	L2x2x3	.181	4.162	1	.018	4.162	y	16	9823.1...	23392.8	.558	1.078	1... H2-1
11	M52B	L2x2x3	.176	0	1	.019	4.162	y	21	9823.1...	23392.8	.558	1.078	1... H2-1
12	M76	PL3/8x6_...	.229	0	1	.615	0	y	17	95535...	97200	1.012	12.15	1... H1-1b
13	M77	PL3/8x6_...	.201	.167	7	.445	0	y	13	96230...	97200	1.012	12.15	1... H1-1b
14	M80	PL1/2x6_...	.086	.112	1	.122	0	y	11	96761...	97200	1.012	11.963	1... H1-1b
15	M84	PL3/8x6_...	.195	0	10	.502	0	y	21	95535...	97200	1.012	12.15	2... H1-1b
16	M85	PL3/8x6_...	.198	.167	7	.465	0	y	24	96230...	97200	1.012	12.121	1... H1-1b
17	M91	PL1/2x6_...	.086	.112	1	.158	.112	y	9	96761...	97200	1.012	11.963	1... H1-1b
18	M53	HSS4X4X3	.298	2.375	22	.071	.223	z	9	10441...	106812	12.662	12.662	1... H1-1b
19	M54	HSS4X4X3	.301	0	20	.085	0	y	21	10441...	106812	12.662	12.662	1... H1-1b
20	M55	PL1/2x6_...	.204	.516	9	.217	.516	y	12	66212...	97200	1.012	11.963	1... H1-1b
21	M58A	L2x2x3	.172	4.162	9	.018	4.162	y	24	9823.1...	23392.8	.558	1.078	1... H2-1
22	M59A	L2x2x3	.157	0	9	.019	4.162	y	17	9823.1...	23392.8	.558	1.078	1... H2-1
23	M63	PL3/8x6_...	.243	0	7	.620	0	y	13	95535...	97200	1.012	12.15	1... H1-1b
24	M64	PL3/8x6_...	.191	.167	3	.447	0	y	21	96230...	97200	1.012	12.15	1... H1-1b
25	M66	PL1/2x6_...	.078	.112	9	.135	0	y	6	96761...	97200	1.012	11.963	1... H1-1b
26	M68	PL3/8x6_...	.181	0	6	.521	0	y	17	95535...	97200	1.012	12.15	2... H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc...	...	LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn...	...	Eqn
27	M69	PL3/8x6_...	.181	.167	3	.473	0	y	20	96230...	97200	1.012	12.083	1...	H1-1b
28	M71	PL1/2x6_...	.085	.112	8	.170	.112	y	5	96761...	97200	1.012	11.963	1...	H1-1b
29	M77A	HSS4X4X3	.300	2.375	18	.071	2.375	y	17	10441...	106812	12.662	12.662	1...	H1-1b
30	M78	HSS4X4X3	.299	0	16	.084	0	y	17	10441...	106812	12.662	12.662	1...	H1-1b
31	M79A	PL1/2x6_...	.198	.516	6	.225	0	y	2	66212...	97200	1.012	11.963	1...	H1-1b
32	M82	L2x2x3	.162	4.162	5	.018	4.162	y	20	9823.1...	23392.8	.558	1.078	1...	H2-1
33	M83A	L2x2x3	.166	0	5	.019	4.162	y	13	9823.1...	23392.8	.558	1.078	1...	H2-1
34	M87	PL3/8x6_...	.211	0	5	.623	0	y	21	95535...	97200	1.012	12.15	1...	H1-1b
35	M88A	PL3/8x6_...	.182	.167	11	.450	0	y	17	96230...	97200	1.012	12.15	1...	H1-1b
36	M90	PL1/2x6_...	.085	.112	6	.135	0	y	2	96761...	97200	1.012	11.963	1...	H1-1b
37	M92A	PL3/8x6_...	.226	0	2	.510	0	y	13	95535...	97200	1.012	12.15	2...	H1-1b
38	M93	PL3/8x6_...	.190	.167	11	.469	0	y	16	96230...	97200	1.012	12.078	1	H1-1b
39	M95	PL1/2x6_...	.079	.112	5	.172	.112	y	1	96761...	97200	1.012	11.963	1...	H1-1b
40	M82A	PIPE_3.0	.220	4.948	15	.111	4.948		2	28250...	65205	5.749	5.749	2...	H1-1b
41	M91B	PIPE_3.0	.222	4.948	23	.106	7.552		1	28250...	65205	5.749	5.749	2...	H1-1b
42	M135	PIPE_2.0	.048	2	6	.017	2		6	28843...	32130	1.872	1.872	4...	H1-1b
43	M100	HSS4X4X3	.550	0	21	.123	0	y	19	95597...	106812	12.662	12.662	3...	H1-1b
44	M101	HSS4X4X3	.553	0	17	.122	0	y	18	95597...	106812	12.662	12.662	3...	H1-1b
45	MP3C	PIPE_2.0	.545	4.25	1	.160	2.938		2	20866...	32130	1.872	1.872	2...	H1-1b
46	MP4C	PIPE_2.0	.412	4.25	1	.168	3.688		2	20866...	32130	1.872	1.872	2...	H1-1b
47	MP2C	PIPE_2.0	.671	4.25	12	.187	4.25		6	20866...	32130	1.872	1.872	2...	H1-1b
48	MP1C	PIPE_2.0	.565	4.25	5	.177	3.688		4	20866...	32130	1.872	1.872	2...	H1-1b
49	MP3B	PIPE_2.0	.503	4.25	9	.152	4.25		11	20866...	32130	1.872	1.872	2...	H1-1b
50	MP4B	PIPE_2.0	.384	4.25	9	.155	1.25		11	20866...	32130	1.872	1.872	2...	H1-1b
51	MP2B	PIPE_2.0	.686	4.25	7	.187	4.25		8	20866...	32130	1.872	1.872	2...	H1-1b
52	MP1B	PIPE_2.0	.605	4.25	1	.199	3.688		12	20866...	32130	1.872	1.872	2...	H1-1b
53	M103	PIPE_2.0	.048	2	6	.017	2		6	28843...	32130	1.872	1.872	4...	H1-1b
54	M104	PIPE_2.5	.377	6.12	8	.190	1.953		7	14558...	50715	3.596	3.596	3...	H1-1b
55	M109	PIPE_2.5	.283	6.12	4	.135	1.953		2	14558...	50715	3.596	3.596	2...	H1-1b
56	M114	PIPE_2.5	.324	2.083	7	.127	6.25		7	14558...	50715	3.596	3.596	1...	H1-1b
57	M121	L3X3X4	.631	2.062	7	.072	0	z	2	42460...	46656	1.688	3.756	2...	H2-1
58	M124	L3X3X4	.520	0	11	.063	0	z	10	42460...	46656	1.688	3.756	2...	H2-1
59	M127	L3X3X4	.668	0	7	.073	0	z	6	42460...	46656	1.688	3.756	2...	H2-1

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1050.333	10	3260.735	13	2727.721	1	6.749	13	1.421	4	.406	3
2		min	-1076.983	4	-472.619	7	-3071.478	7	-3.006	7	-1.449	10	-.456	9
3	N142B	max	2278.49	9	3469.763	21	1547.834	1	1.274	3	1.506	12	2.51	3
4		min	-2559.16	3	-363.521	3	-1352.887	7	-3.488	21	-1.534	6	-5.98	21
5	N145	max	2631.879	11	3466.636	17	1428.248	11	1.592	11	1.473	8	5.977	17
6		min	-2325.343	5	-362.717	11	-1279.121	5	-3.496	5	-1.5	2	-2.35	11
7	Totals:	max	5617.209	10	9129.023	14	5666.771	1						
8		min	-5617.213	4	3099.845	8	-5666.77	7						

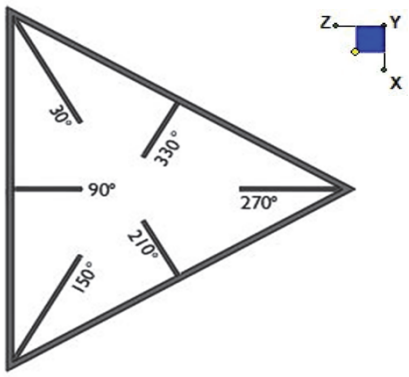
Client:	Verizon Wireless	Date:	8/17/2021
Site Name:	BOLTON EAST CT		
Project No.	219777985A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

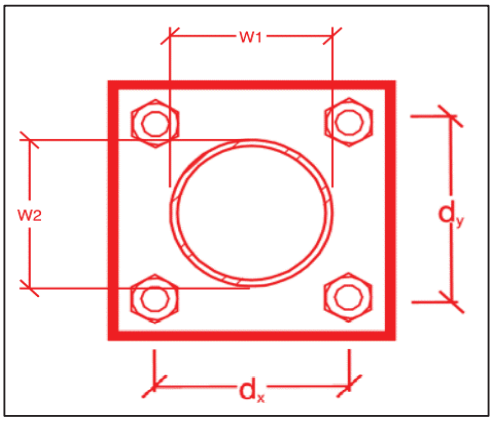
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N142B	30
N145	150
N3	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	26.7
Required Shear Strength (kips):	4.2
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**32.3%***
Shear Capacity Overall:	**8.4%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	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):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	4.65
Plate Bending Capacity:	**85.2%**
Weld Capacity:	**55.7%**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to** https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

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

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - Photos showing the safety climb wire rope above and below the mount prior to modification.
    - Photos showing the climbing facility and safety climb if present.

Material Certification:

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

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

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

Certifying Individual: Company _____
Name _____
Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Install proposed OVPs to new 3' Long Pipe 2 STD pipes connected to the Alpha and Beta sector standoff arms. Connect the pipes to the standoff arms using crossover plates (Part #: SQCX4-K or EOR approved equal).

Response:

Schedule A – Photo & Document File Structure

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

Structure: 468392-VZW - BOLTON EAST CT

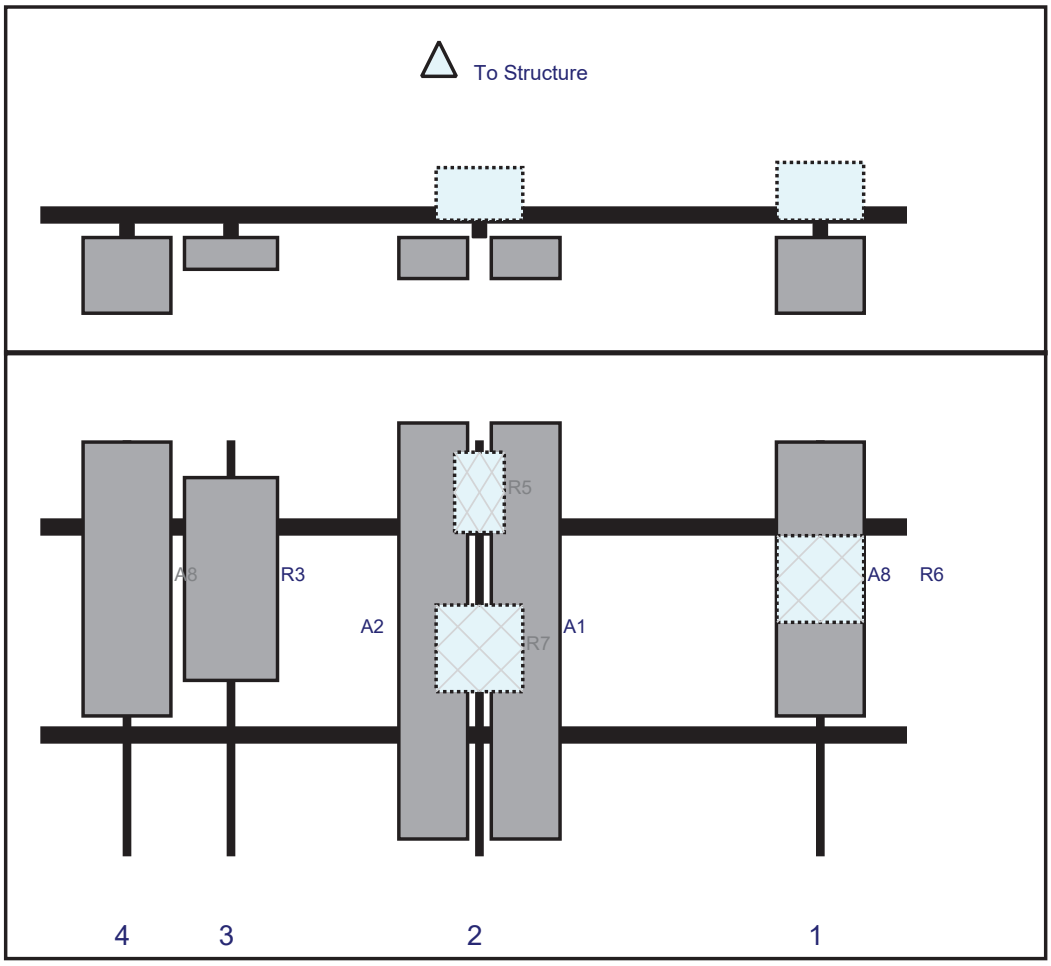
Sector: **A** 8/13/2021

Structure Type: Monopole 10071725

Mount Elev: 105.00 Page: 1

Plan View

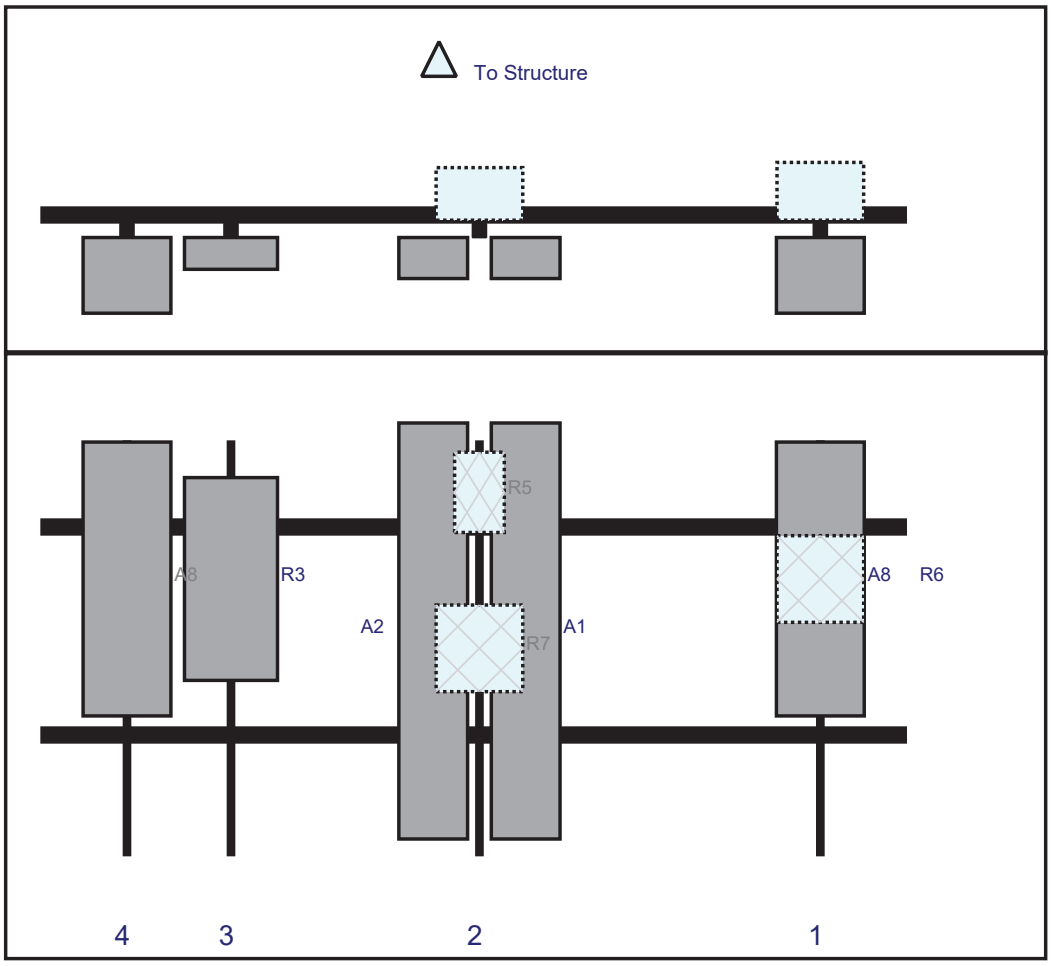
Front View
Looking at Structure



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
A8	LPA-80063-4CF-EDIN-0	47.4	15.2	135	1	a	Front	24	0	Retained	06/10/2021
R6	RF4439d-25A	15	15	135	1	a	Behind	24	0	Added	
A1	NHH-65B-R2B	72	11.9	76	2	a	Front	33	8	Added	
A2	NHHSS-65B-R2B	72	11.9	76	2	a	Front	33	-8	Added	
R5	CBRS RRH - RT4401-48A	13.9	8.6	76	2	a	Behind	9	0	Added	
R7	RF4440d-13A	15	15	76	2	a	Behind	36	0	Added	
R3	MT6407-77A	35.1	16.1	33	3	a	Front	24	0	Added	
A8	LPA-80063-4CF-EDIN-0	47.4	15.2	15	4	a	Front	24	0	Retained	06/10/2021

Plan View

Front View
Looking at Structure



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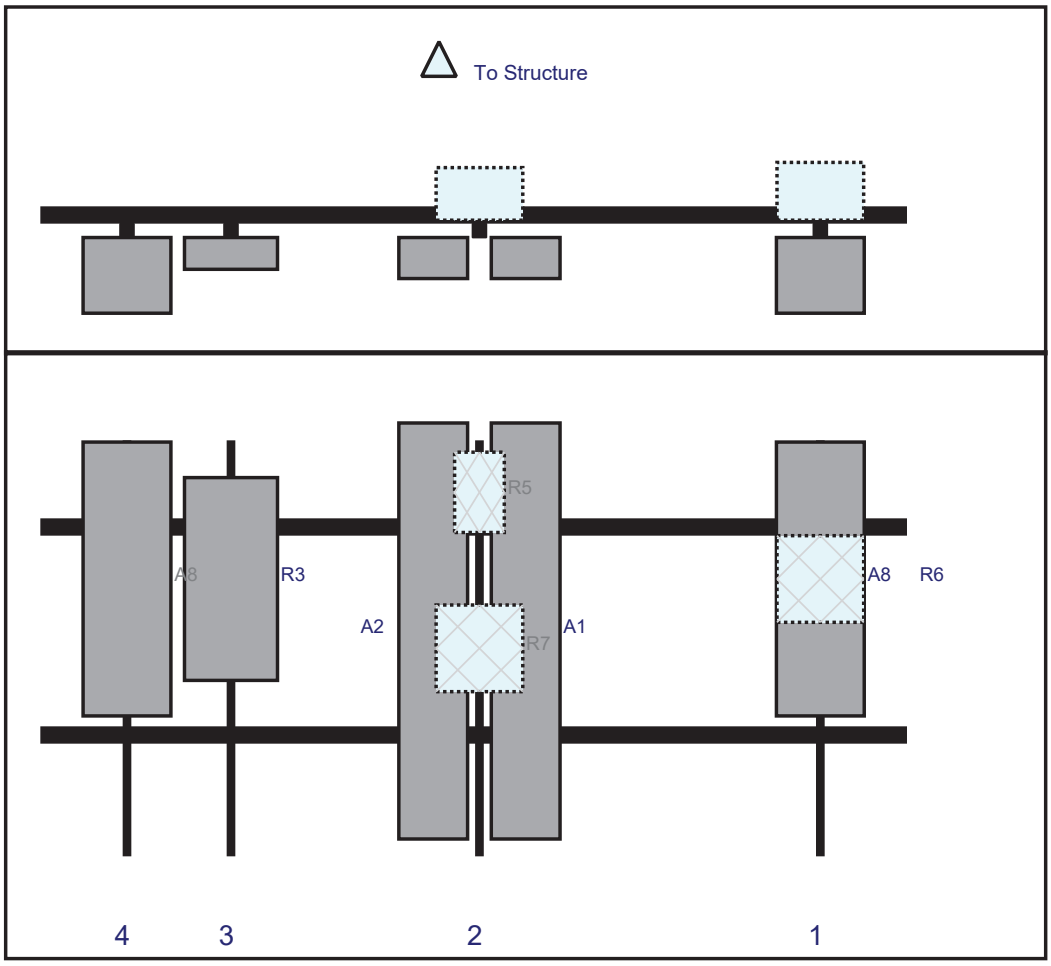
A8	LPA-80063-4CF-EDIN-0	47.4	15.2	15	4	a	Front	24	0	Retained	06/10/2021

Plan View

Front View
Looking at Structure



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R3	MT6407-77A	35.1	16.1	33	3	a	Front	24	0	Added	
A8	LPA-80063-4CF-EDIN-0	47.4	15.2	15	4	a	Front	24	0	Retained	06/10/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*468392-VZW / BOLTON EAST CT*
	Site Name:	*BOLTON EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*49 South Street* *Bolton, Connecticut 06043* *Tolland County*
	Latitude:	*41.789028°*
	Longitude:	*-72.429139°*
Structure Information	*Tower Type:*	*120-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Eric Anderson, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: ***BOLTON EAST CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	642	2568	107	0.0081	0.5007	1.61%
VZW CDMA	869	2	402	804	107	0.0025	0.5793	0.44%
VZW Cellular	869	4	691	2764	107	0.0087	0.5793	1.50%
VZW PCS	1980	4	1574	6296	107	0.0198	1.0000	1.98%
VZW AWS	2125	4	1570	6280	107	0.0197	1.0000	1.97%
VZW CBAND	3730	4	6531	26124	107	0.0821	1.0000	8.21%
VZW CBRS	3625	4	12	48	107	0.0002	1.0000	0.02%
Total Percentage of Maximum Permissible Exposure								15.72%

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

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

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings

842858 Crown VZW

UNITED STATES POSTAL SERVICE.

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

04/18/2022 10:26 AM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Mon 04/18/2022 Tracking #: 9405 5036 9930 0224 3234 65	1		$0.00
Prepaid Mail Bolton, CT 06043 Weight: 0 lb 8.00 oz Acceptance Date: Mon 04/18/2022 Tracking #: 9405 5036 9930 0224 3234 89	1		$0.00
Prepaid Mail Bolton, CT 06043 Weight: 0 lb 8.10 oz Acceptance Date: Mon 04/18/2022 Tracking #: 9405 5036 9930 0224 3234 96	1		$0.00
Prepaid Mail Bolton, CT 06043 Weight: 0 lb 8.10 oz Acceptance Date: Mon 04/18/2022 Tracking #: 9405 5036 9930 0224 3235 02	1		$0.00
Grand Total:			$0.00

****
Every household in the U.S. is now
eligible to receive a second set
of 4 free test kits.
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****

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