NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

June 22, 2022

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

RE: Exempt Modification Application
136 Bulls Bridge Road, Kent, CT 06757
Latitude: 41.681666
Longitude: -73.486666
Site #: 841293_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 136 Bulls Bridge Road, Kent, CT 06757. Verizon Wireless currently maintains twelve (12) antennas at the 160-foot level of the existing 180-foot tower. The property is owned by South Kent School Corp. and the tower is owned by Crown Castle. Verizon now intends to replace six (6) and add three (3) antennas. The new antennas would be installed at the 160-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 June 13, 2021.

Verizon Planned Modifications:

Remove: None

Remove and Replace:
(3) BXA-70063-6CF-6 Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
(3) BXA-171085-12BF-EDIN-2 Antennas (REMOVE) – (3) JMA MX06FR0660-03 Antennas (REPLACE)

Install New:
(3) JMA MX06FR0660-03 Antennas
(3) Samsung RF4439D-25A
(3) Samsung RF440D-13A
(1) Raycap OVP
(1) Hybrid Line

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

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The facility was approved by the Connecticut Siting Council, Docket No. 162 on February 24, 1994. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Jean Speck, First Selectman and Donna Hayes, Land Use Administrator for the Town of Kent . 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: Jean Speck, First Selectman
Kent Town Hall
41 Kent Green Blvd
Kent, CT 06757

Donna Hayes, Land Use Administrator
Kent Town Hall
41 Kent Green Blvd
Kent, CT 06757

South Kent School Corp.
40 Bulls Bridge Road
Kent, CT 06785

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

DOCKET NO. 162 - An application of Springwich Cellular Limited Partnership for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility located on the grounds of South Kent School off Bulls Bridge Road in Kent, Connecticut.	:	Connecticut Siting Council
	:	February 24, 1994

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 cellular telecommunications tower at the proposed site in Kent, Connecticut, 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 section 16-50k of the Connecticut General Statutes (CGS), be issued to Springwich Cellular Limited Partnership (Springwich), for the construction, operation, and maintenance of a cellular telecommunications tower at the proposed site on property owned by the South Kent School, off Bulls Bridge Road, Kent, 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 self-supporting monopole tower shall be no taller than necessary to provide the proposed cellular communications service and in no event shall the tower structure exceed a total height of 197 feet above ground level with antennas and appurtenances.

2. Prior to the commencement of construction, 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 State Agencies. The D&M Plan shall include detailed plans for the tower and tower foundation; the locations of all antennas to be attached to this tower to ensure maximum sharing of the tower; detailed plans for an accessway from a public roadway, including all improvements and gates installed in the accessway; utility line installation; equipment building plans including elevations; detailed plans for site clearing and tree trimming; detailed plans for erosion and sedimentation control; and plans for the installation of the security fence. The D&M Plan shall be submitted to the Council for approval prior to the commencement of tower construction.

3. The Certificate holder shall comply with any existing and future radio frequency (RF) standard promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facility granted herein shall be brought into compliance with such standards.

4. The Certificate holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.

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. Should any agreement, including sharing of this tower, be reached prior to construction of the tower, detailed plans for the third party's equipment shall be included in the D&M Plan.

6. If the facility does not initially provide, or permanently ceases to provide, cellular or other services following completion of construction, this Decision and Order shall be void, and the tower and all associated equipment shall be dismantled and removed or re-application for any continued or new use shall be made to the Council before any such use is made.

7. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to CGS section 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 Litchfield County Times, the Kent Good Times Dispatch, and the Waterbury Republican-American.

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 State Agencies.

The parties and intervenors to this proceeding are:

APPLICANT	ITS REPRESENTATIVE
Springwich Cellular Limited Partnership	Peter J. Tyrrell, Esq. Senior Attorney Springwich Cellular Limited Partnership 227 Church Street-Room 1021 New Haven, CT 06506 (203) 771-7381

PARTY	ITS REPRESENTATIVE
Litchfield County Cellular Inc.	Andrew N. Davis, Esq. John J. Russotto, Esq. Brown, Rudnick, Freed & Gesmer, P.C. 90 State House Square Hartford, CT 06103 (203) 525-8008
INTERVENOR	**ITS REPRESENTATIVE**
Bell Atlantic Metro Mobile	Steven R. Humphrey, Esq. Brian C.S. Freeman, Esq. Robinson & Cole One Commercial Plaza Hartford, CT 06103-3597 (203) 275-8200

7652E

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. 162, and voted as follows to approve the facility located on the grounds of South Kent School off Bulls Bridge Road in Kent, Connecticut:

Council Members	Vote Cast
Mortimer A. Gelston Chairman	Yes
Commissioner Reginald J. Smith Designee: Richard G. Patterson	Abstain
Commissioner Timothy R.E. Keeney Designee: Brian Emerick	Absent
Harry E. Covey	Yes
Daniel P. Lynch, Jr.	Yes
Gloria Dibble Pond	Absent
William H. Smith	Absent
Colin C. Tait	Yes
Dana J. Wright	Yes

Dated at New Britain, Connecticut, February 24, 1994.

7666E-2
TEF:mmb

Exhibit B

Property Card

40 BULLS BRIDGE RD

Location	40 BULLS BRIDGE RD	**Mblu**	6/ 39/ 9/ /
Acct#	00019000	**Owner**	SOUTH KENT SCHOOL CORP
Assessment	$11,138,500	**Appraisal**	$15,911,400
PID	580	**Building Count**	34

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$13,859,300	$2,052,100	$15,911,400
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$9,702,000	$1,436,500	$11,138,500

Owner of Record

Owner	SOUTH KENT SCHOOL CORP	**Sale Price**	$0
Co-Owner		**Certificate**	
		Book & Page	/0
		Sale Date	

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
SOUTH KENT SCHOOL CORP	$0		/0	

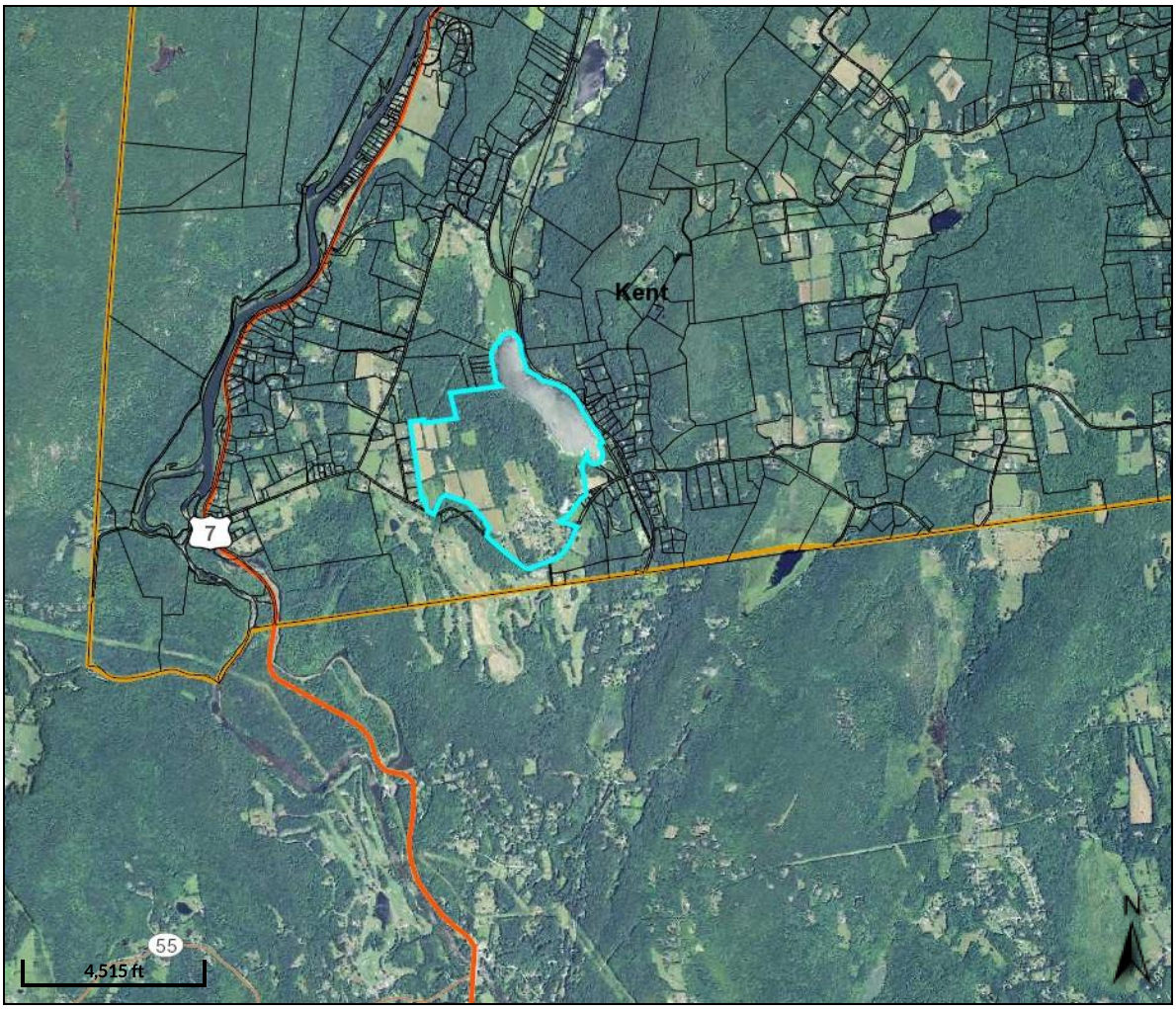
Building Information

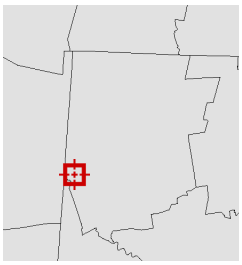
Building 1 : Section 1

Year Built: 1941
Living Area: 689
Replacement Cost: $97,474
Replacement Cost Less Depreciation: $70,200

Building Attributes	
Field	**Description**
Style	Cape Cod
Model	Residential

qPublic.net™ Town of Kent, CT





Legend

- Parcels
- Roads
- City Labels

Parcel ID	184263	**Alternate ID**	08000017	**Owner Address**	SOUTH KENT SCHOOL CORP
Sec/Twp/Rng	6-39-9	**Class**	S		40 BULLS BRIDGE RD
Property Address	BULLS BRIDGE RD KENT	**Acreage**	150		SOUTH KENT CT 06785
District	0001A				
Brief Tax Description	n/a (Note: Not to be used on legal documents)				

Date created: 6/2/2022
Last Data Uploaded: 6/2/2022 2:11:02 AM

Developed by Schneider GEOSPATIAL

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 467227
VERIZON SITE NAME: KENT S CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 179'-9"

BUSINESS UNIT #: 841293
SITE ADDRESS: 136 BULLS BRIDGE ROAD SOUTH KENT, CT 06757
COUNTY: LITCHFIELD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	KENT-BULLS BRIDGE ROAD
SITE ADDRESS:	136 BULLS BRIDGE ROAD SOUTH KENT, CT 06757
COUNTY:	LITCHFIELD
MAP/PARCEL #:	184263
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.681668°
LONGITUDE:	-73.486651°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	786'
CURRENT ZONING:	HOUSTONIC RIVER DISTRICT OUTER CORRIDOR
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:	SOUTH KENT SCHOOL CORP 40 BULLS BRIDGE RD SOUTH KENT, CT 06785
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:	CHARTER COMMUNICATIONS (833) 267-6094

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:	3530 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 28277
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

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

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10071751
VzW LOCATION CODE (PSLC)	467227

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

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD)
GET ON I-287 N IN MORRISTOWN FROM WASHINGTON VALLEY RD AND RTE 24, FOLLOW I-287 N, I-87 N AND I-84 E TO COUNTY RD 9/BEEKMAN RD IN EAST FISHKILL. TAKE EXIT 41 FROM TACONIC STATE PARKWAY, CONTINUE ON COUNTY RD 9. TAKE PLEASANT RIDGE RD AND DOG TAIL CORNERS RD ARRIVED AT KENT-BULLS BRIDGE ROAD.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BLACK & VEATCH CORP.
DATED:	9/29/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	9/3/21
RFDS REVISION:	N/A
DATED:	10/12/21
ORDER ID:	588879
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (6) ANTENNAS
- REMOVE (6) 1-5/8" COAX CABLES
- REMOVE (2) 6X12 HYBRID CABLES
- INSTALL (9) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (3) DUAL ANTENNA MOUNTS
- INSTALL (1) 12-OVP
- INSTALL (1) 12X24 HYBRID CABLE

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
467227

BU #: **841293**
KENT-BULLS BRIDGE ROAD

136 BULLS BRIDGE ROAD
SOUTH KENT, CT 06757

EXISTING 179'-9" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	MA	CONSTRUCTION	TDG
1	11/5/21	TDG	CONSTRUCTION	TDG
2	11/9/21	TDG	CONSTRUCTION	KT
3	5/20/22	MEH	CONSTRUCTION	KT

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
5/20/22

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

SHEET NUMBER: T-1

REVISION: 3

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
467227

BU #: **841293**
KENT-BULLS BRIDGE ROAD

136 BULLS BRIDGE ROAD
SOUTH KENT, CT 06757

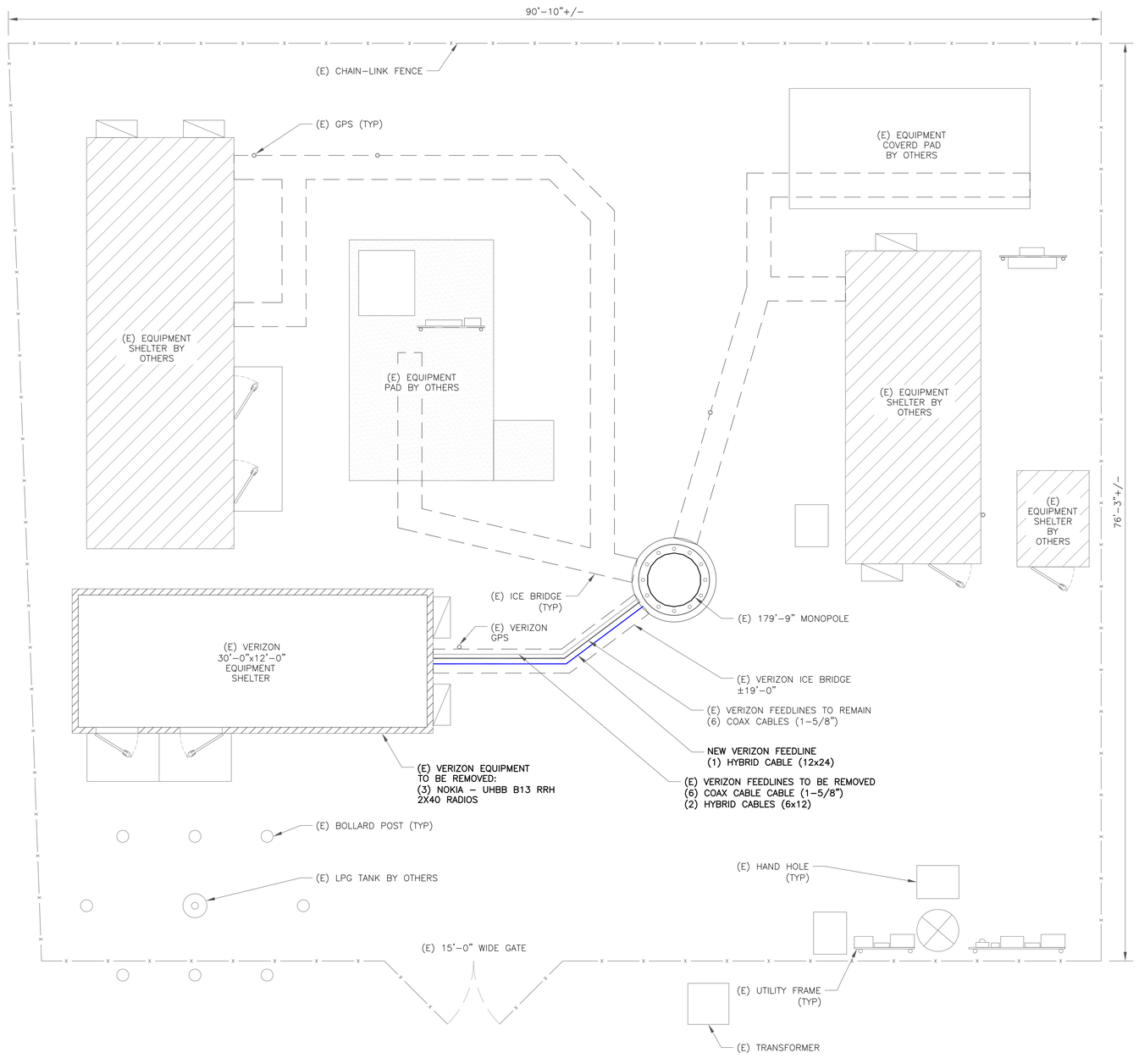
EXISTING 179'-9" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	MA	CONSTRUCTION	TDG
1	11/5/21	TDG	CONSTRUCTION	TDG
2	11/9/21	TDG	CONSTRUCTION	KT
3	5/20/22	MEH	CONSTRUCTION	KT

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

SHEET NUMBER: **T-2**
REVISION: **3**



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

N

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180 WASHINGTON VALLEY ROAD
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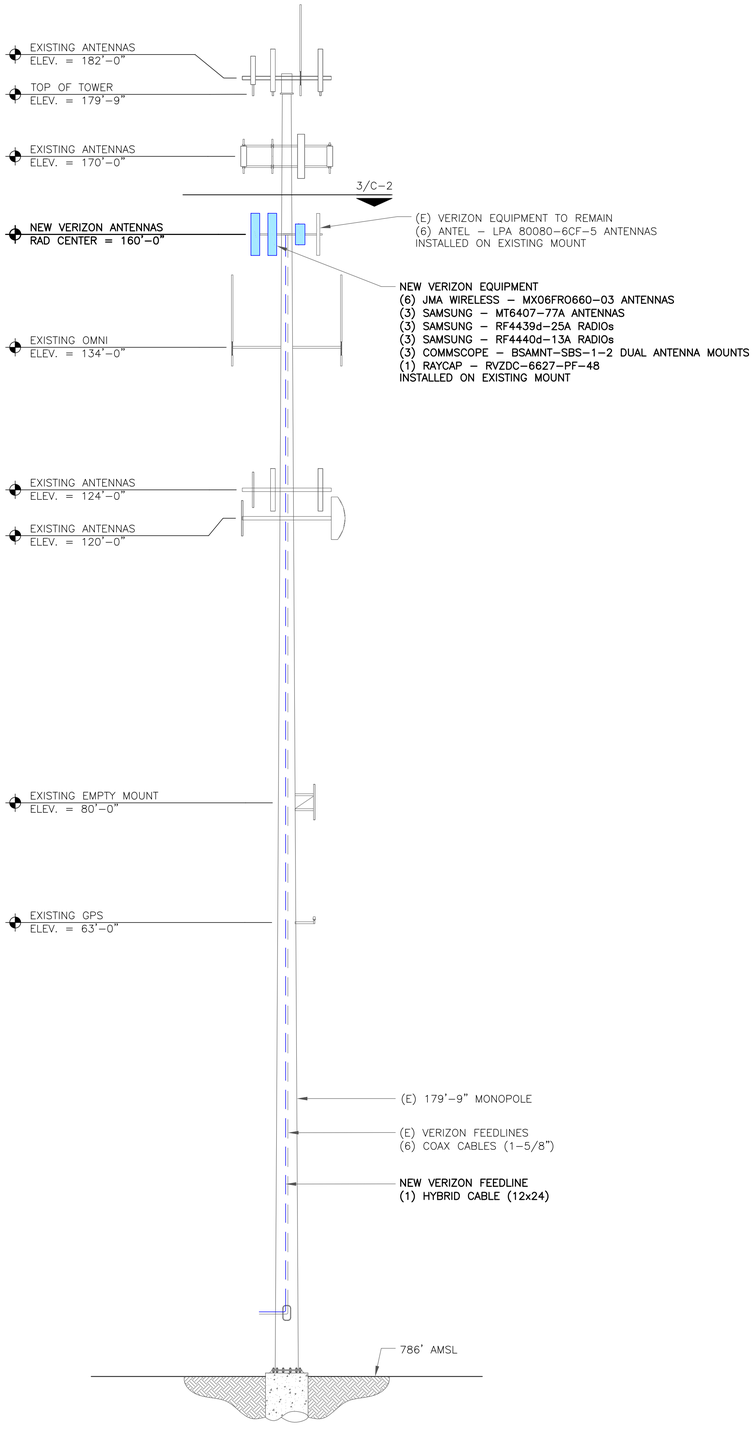
STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
5/20/22

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

SHEET NUMBER: C-1

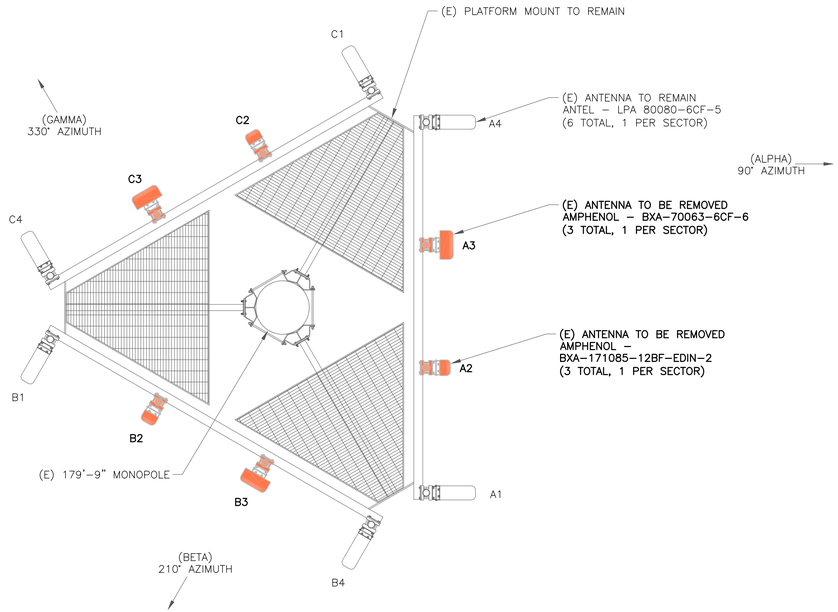
REVISION: 3



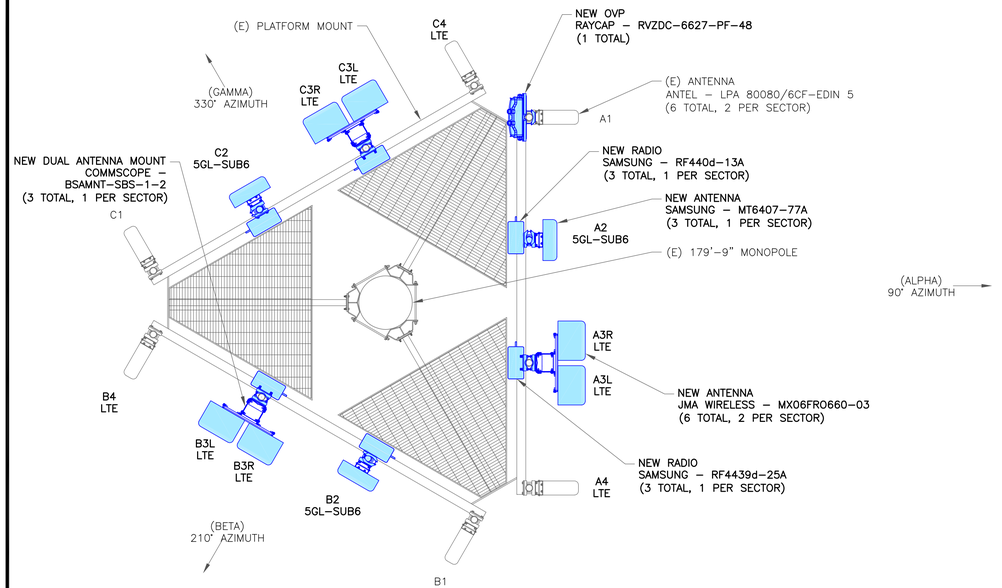
VERIZON EQUIPMENT

ANTENNA CL: 160'-0"
MOUNT CL: 160'-0"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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

SHEET NUMBER: C-2

REVISION: 3

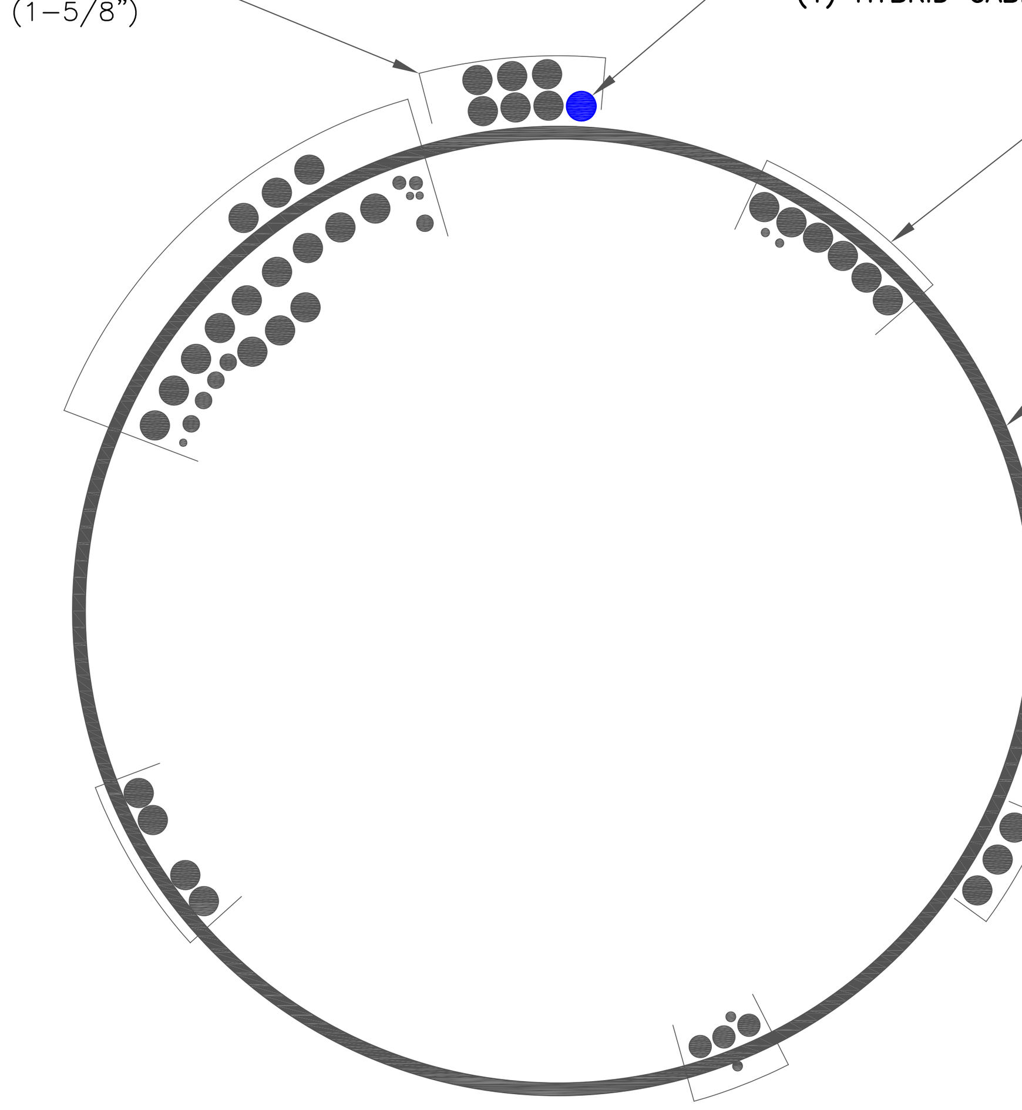
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA 80080/6CF-EDIN 5	160'-0"	90°	5°	5°	RAYCAP	(1) RVZDC-6627-PF-48
A2	NEW	SAMSUNG	MT6407-77A	160'-0"	90°	0°	6°	–	–
A3R	NEW	JMA	MX06FRO660-03	160'-0"	90°	0°	2°/2°/2°/ 2°/2°	SAMSUNG	(1) RF440d-13A
A3L	NEW	JMA	MX06FRO660-03	160'-0"	90°	0°	2°/2°/2°/ 2°/2°	SAMSUNG	(1) RF4439d-25A
A1	EXISTING	ANTEL	LPA 80080/6CF-EDIN 5	160'-0"	90°	5°	5°	–	–
B1	EXISTING	ANTEL	LPA 80080/6CF-EDIN 5	160'-0"	210°	5°	5°	–	–
B2	NEW	SAMSUNG	MT6407-77A	160'-0"	210°	0°	6°	–	–
B3R	NEW	JMA	MX06FRO660-03	160'-0"	210°	0°	2°/2°/2°/ 2°/2°	SAMSUNG	(1) RF440d-13A
B3L	NEW	JMA	MX06FRO660-03	160'-0"	210°	0°	2°/2°/2°/ 2°/2°	SAMSUNG	(1) RF4439d-25A
B4	EXISTING	ANTEL	LPA 80080/6CF-EDIN 5	160'-0"	210°	5°	5°	–	–
C1	EXISTING	ANTEL	LPA 80080/6CF-EDIN 5	160'-0"	330°	5°	5°	–	–
C2	NEW	SAMSUNG	MT6407-77A	160'-0"	330°	0°	6°	–	–
C3R	NEW	JMA	MX06FRO660-03	160'-0"	330°	0°	2°/2°/2°/ 2°/2°	SAMSUNG	(1) RF440d-13A
C3L	NEW	JMA	MX06FRO660-03	160'-0"	330°	0°	2°/2°/2°/ 2°/2°	SAMSUNG	(1) RF4439d-25A
C4	EXISTING	ANTEL	LPA 80080/6CF-EDIN 5	160'-0"	330°	5°	5°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	210'-0"±	6
NEW	HYBRID	12x24	210'-0"±	1
TOTAL CABLE QTY:				7



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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

VERIZON SITE NUMBER:
467227

BU #: **841293**
KENT-BULLS BRIDGE ROAD

136 BULLS BRIDGE ROAD
SOUTH KENT, CT 06757

EXISTING 179'-9" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	MA	CONSTRUCTION	TDG
1	11/5/21	TDG	CONSTRUCTION	TDG
2	11/9/21	TDG	CONSTRUCTION	KT
3	5/20/22	MEH	CONSTRUCTION	KT

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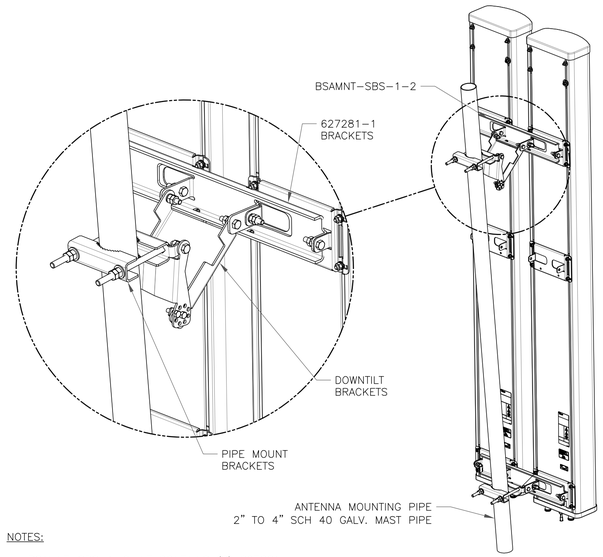
SHEET NUMBER: C-3
REVISION: 3

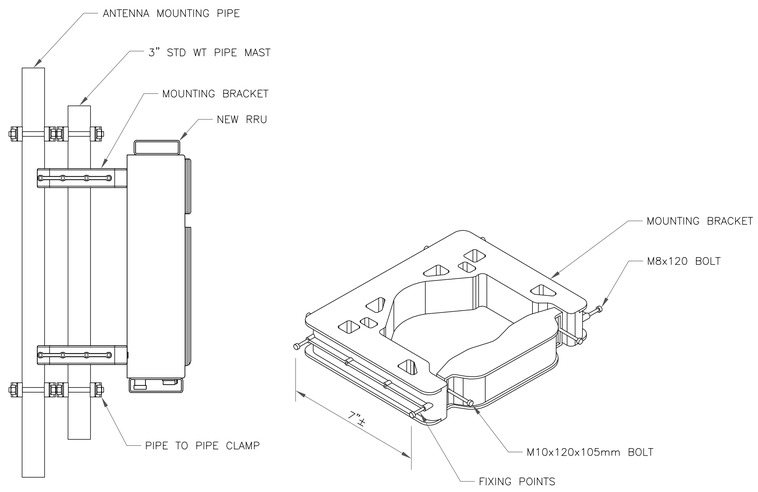


NOTES:

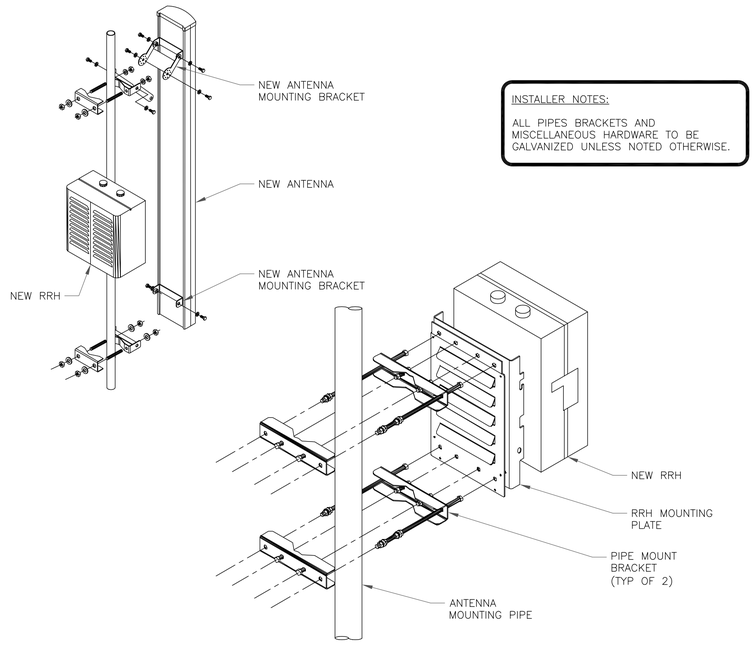
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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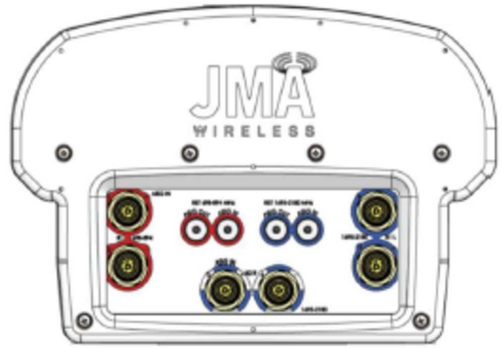
SHEET NUMBER: C-4

REVISION: 3



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

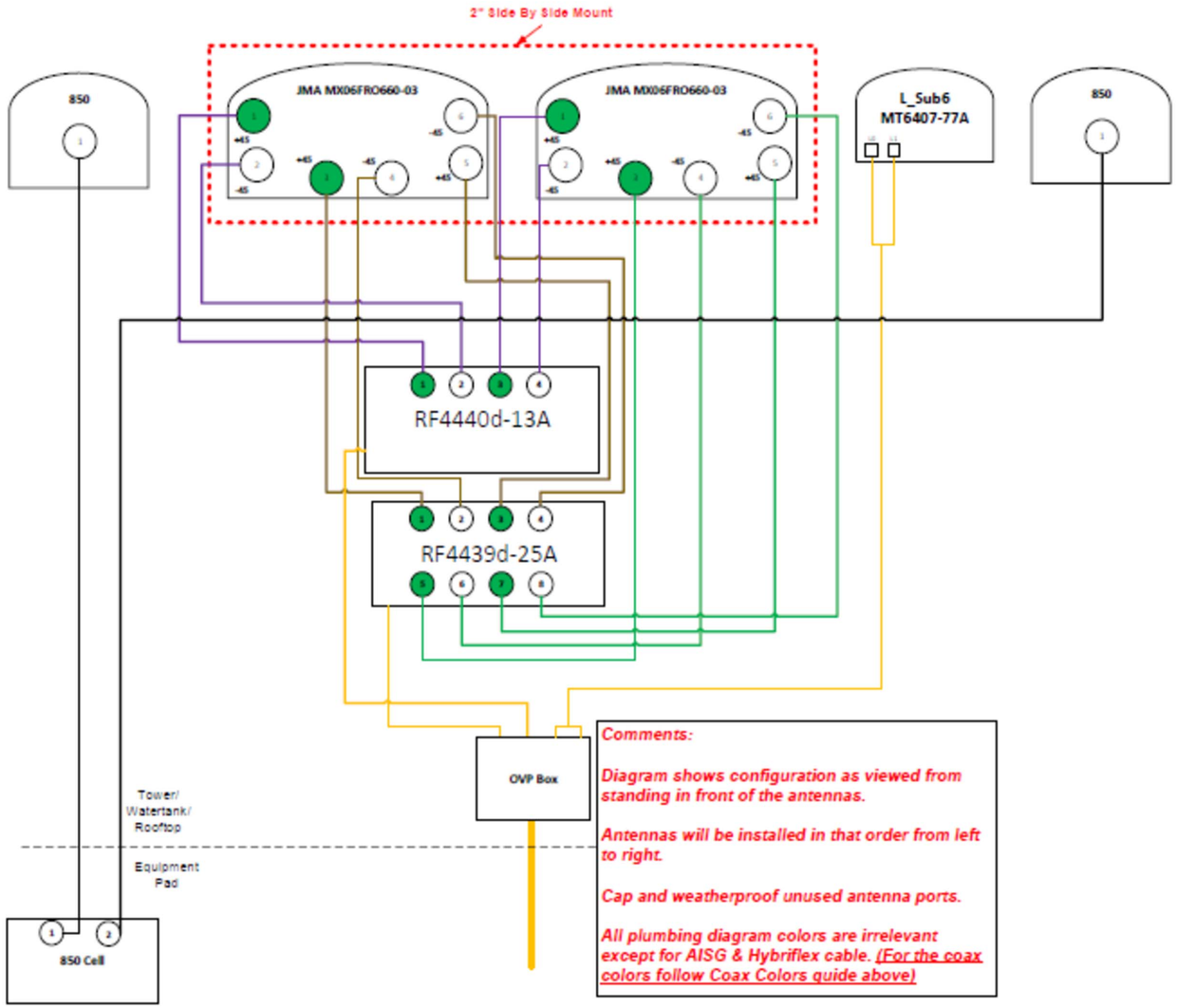
RET DC signal pass for RET
(Port that will control RET)

DC signal capable Port

AISG Cable

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

Hybriflex cables



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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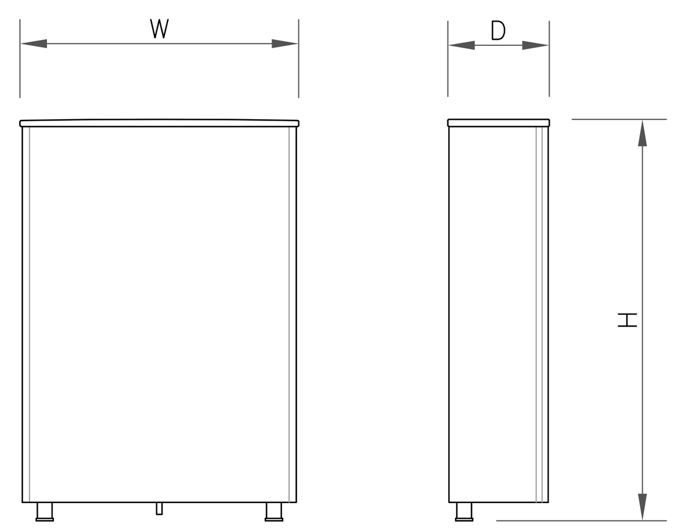
SHEET NUMBER: C-6

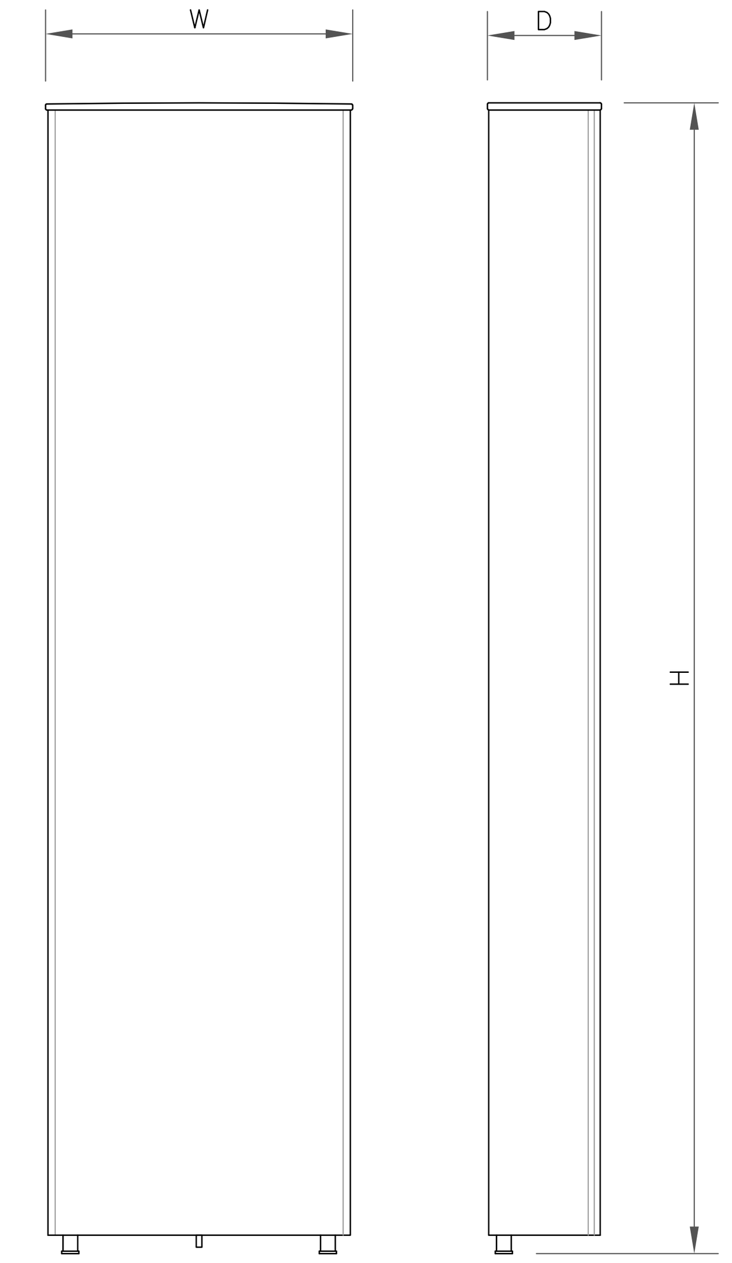
REVISION: 3



ANTENNA SPECS

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

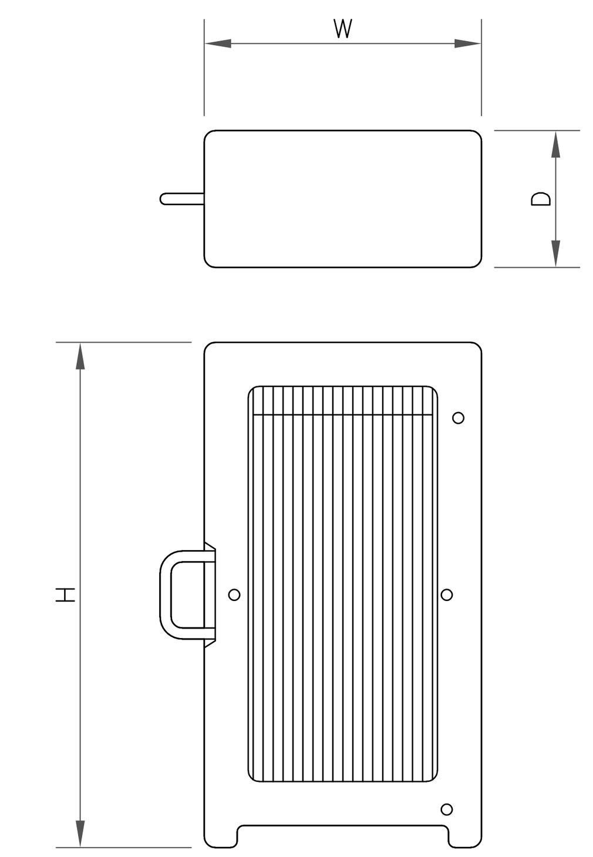
1 ANTENNA SPECS
SCALE: NOT TO SCALE



ANTENNA SPECS

MANUFACTURER	JMA
MODEL #	MX06FRO660–03
WIDTH	15.40"
DEPTH	10.70"
HEIGHT	71.30"
WEIGHT	78.0 LBS

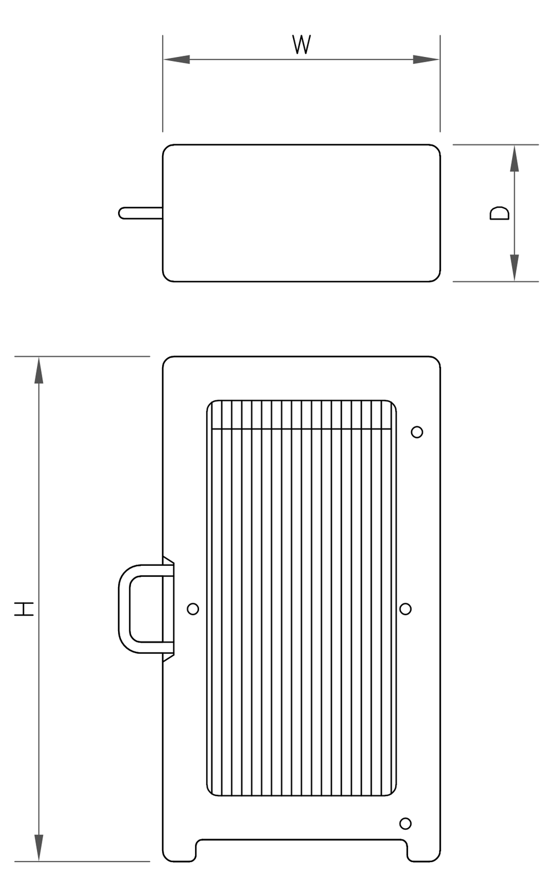
2 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS

MANUFACTURER	SAMSUNG
MODEL #	RF440d–13A
WIDTH	14.96"
DEPTH	9.06"
HEIGHT	14.96"
WEIGHT	72.50 LBS

3 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS

MANUFACTURER	SAMSUNG
MODEL #	RF4439d–25A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	1.96"
WEIGHT	74.70 LBS

4 RRU SPECS
SCALE: NOT TO SCALE

RRU SPECIFICATIONS

MANUFACTURER	RAYCAP
MODEL #	RVZDC–6627–PF–48
WIDTH	16.5"
DEPTH	12.6"
HEIGHT	29.5"
WEIGHT	32 LBS

5 OVP SPECS
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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SOUTH KENT, CT 06757

EXISTING 179'-9" MONOPOLE

ISSUED FOR:

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2	11/9/21	TDG	CONSTRUCTION	KT
3	5/20/22	MEH	CONSTRUCTION	KT

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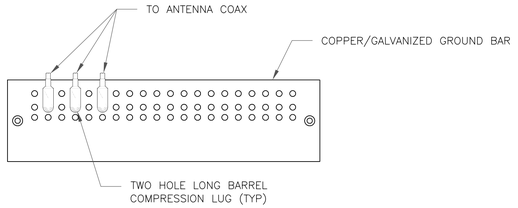
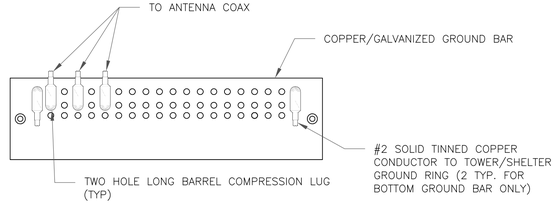
SHEET NUMBER: C-5
REVISION: 3



NOTES:

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

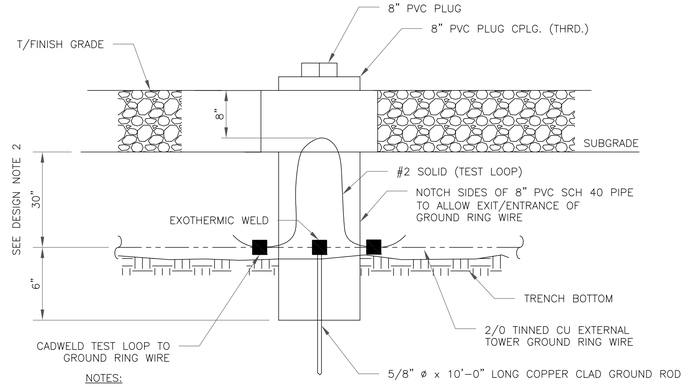
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

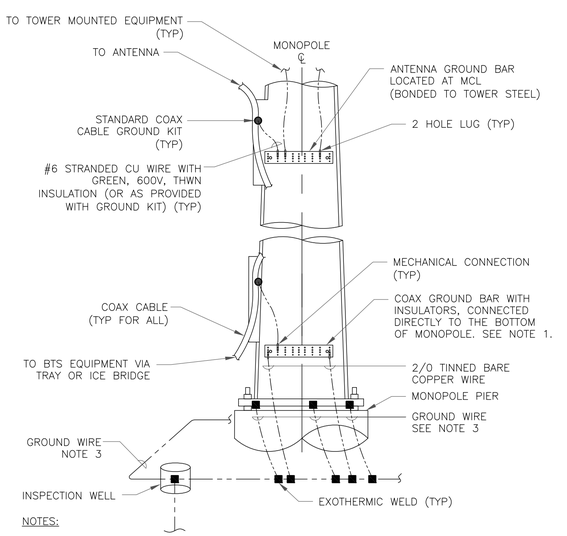
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

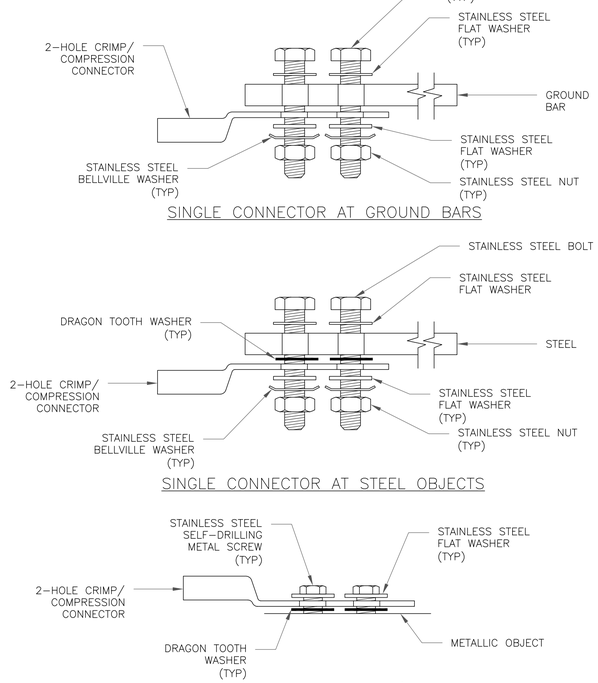
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE

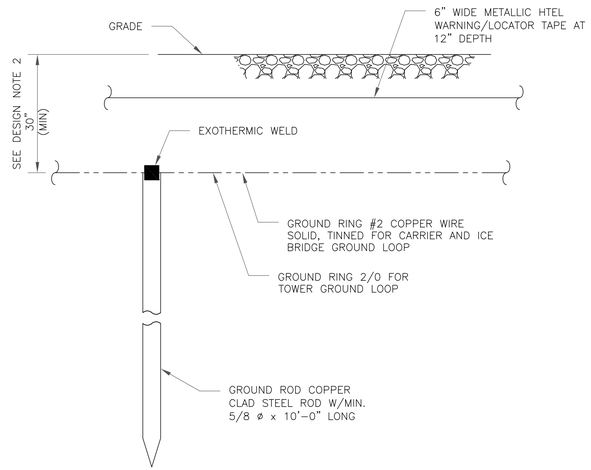


SINGLE CONNECTOR AT GROUND BARS

SINGLE CONNECTOR AT STEEL OBJECTS

SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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BU #: **841293**
KENT-BULLS BRIDGE ROAD

136 BULLS BRIDGE ROAD
SOUTH KENT, CT 06757

EXISTING 179'-9" MONOPOLE

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3	5/20/22	MEH	CONSTRUCTION	KT

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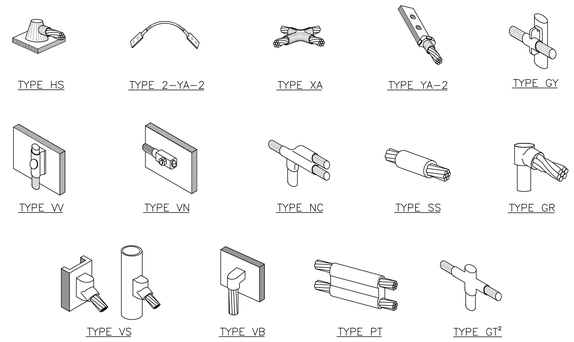
SHEET NUMBER: G-1
REVISION: 3

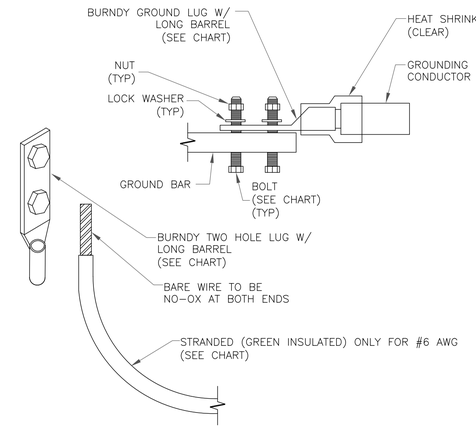


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

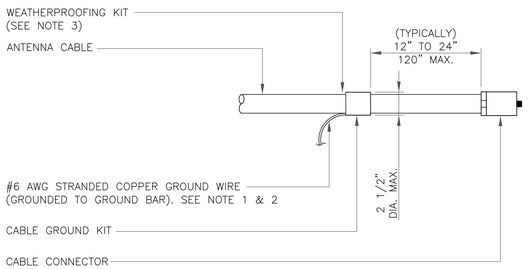
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

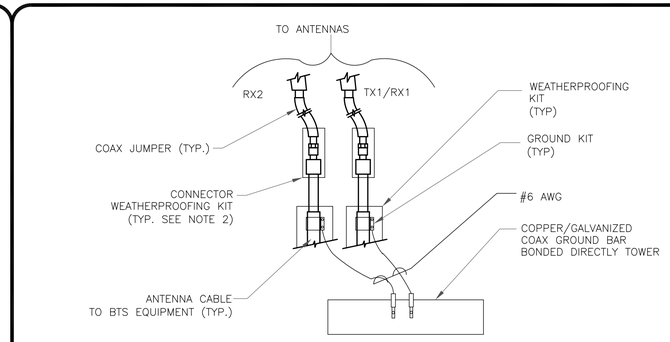
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

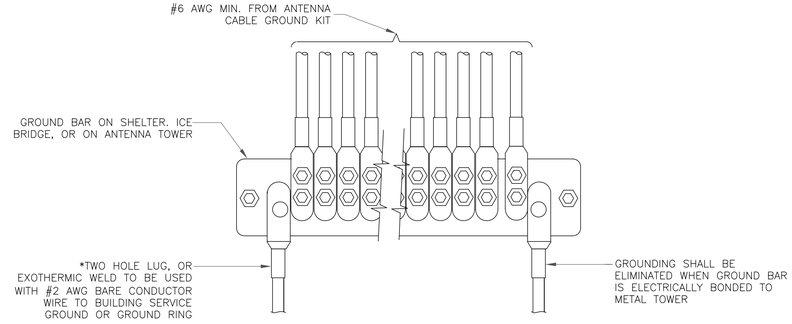
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



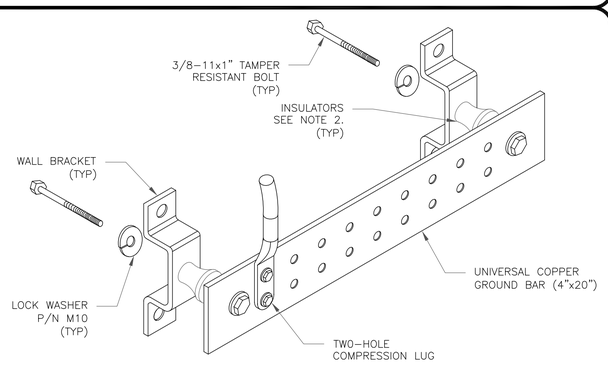
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



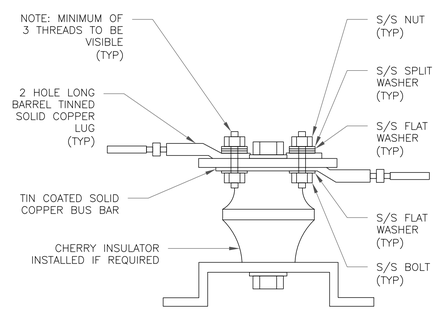
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



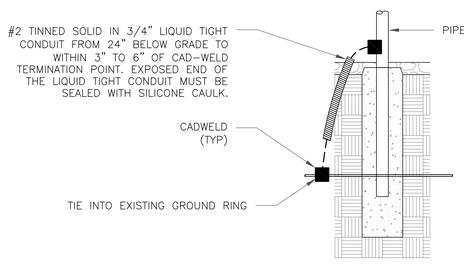
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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PEC.0001564
Expires 2/10/22

SHEET NUMBER: G-2
REVISION: 3

Exhibit D

Structural Analysis Report

Date: **May 17, 2022**

Black & Veatch Corp.
11401 Lamar Avenue
Overland Park, KS 66211
(913) 458-6909

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	467227
	Site Name:	KENT S CT
Crown Castle Designation:	**BU Number:**	841293
	Site Name:	KENT-BULLS BRIDGE ROAD
	JDE Job Number:	717746
	Work Order Number:	2116364
	Order Number:	618002 Rev. 0
Engineering Firm Designation:	**Black & Veatch Corp. Project Number:**	406642
Site Data:	**136 Bulls Bridge Road, South Kent, Litchfield County, CT**	
	Latitude *41° 40' 53.85"*, Longitude *-73° 29' 11.8"*	
	179.813 Foot - Monopole Tower	

Black & Veatch Corp. 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:

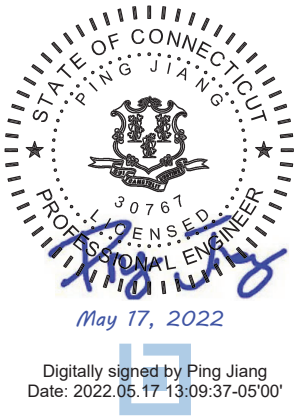
LC7: Proposed Equipment Configuration **Sufficient Capacity - 97.4%**

This analysis utilizes an ultimate 3-second gust wind speed of 114 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: Panumart Booncharoensombut

Respectfully submitted by:

Ping Jiang, P.E.
Professional Engineer



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1) INTRODUCTION

This tower is a 179.813 ft Monopole tower designed by Engineered Endeavors, Inc.

The tower has been modified per reinforcement drawings prepared by GPD Group, in December of 2012. Reinforcement consists of installing of additional anchor rods. Refer to Post Modification Observation by GPD Group, in August of 2013. This modification has been considered effective in this analysis.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	114 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	40 mph
Seismic Ss:	0.189
Seismic S1:	0.054
Service Wind Speed:	60 mph
Seismic Loading:	Does not control per engineering

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)
160.0	160.0	6	antel	LPA-80080-6CF-EDIN w/ Mount Pipe	7	1-5/8
		1	cci tower mounts (v2.1)	Platform Mount [10.83' LP 601-1]		
		6	jma wireless	MX06FRO660-03 w/ Mount Pipe		
		1	raycap	RVZDC-6627-PF-48_CCIV2		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
180.0	185.0	3	decibel	ASP-952	15	1-5/8
		2	raycap	DC6-48-60-0-8C-EV	2	3/8
		1	raycap	DC6-48-60-18-8F	2	3/4
	183.0	2	cci antennas	DMP65R-BU4D w/ Mount Pipe	4	7/8
		1	ericsson	RRUS 4449 B5/B12	1	conduit
		1	ericsson	RRUS 4478 B14		
		1	ericsson	RRUS 8843 B2/B66A		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		6	powerwave technologies	LGP21401		
	182.0	1	cci tower mounts (v2.1)	Miscellaneous [10' NA 507-1]		
	181.0	4	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		2	ericsson	RRUS 4449 B5/B12		
		2	ericsson	RRUS 4478 B14		
		2	ericsson	RRUS 8843 B2/B66A		
	180.0	1	cci tower mounts (v2.1)	Platform Mount [10' LP 601-1]		
170.0	170.0	1	cci tower mounts (v2.1)	Platform Mount [LP 303-1_HR-1]	4	1-5/8
		1	ericsson	RADIO 2217 B2		
		4	ericsson	RRUS 11 B2		
		3	ericsson	RRUS 11 B4		
		4	ericsson	Radio 4480_TMOV2		
		4	rfs celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		4	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
134.0	144.0	2	sinclair	SC442D-HF2LDF	6 2	1-5/8 1/2
	141.0	1	bird technologies group	432E-83I-01-T		
		1	sinclair	SC479-HF1LDF		
	139.0	2	decibel	DB809DK-Y		
	134.0	1	amphenol	WPA-700102-4CF-EDIN-9		
		1	cci tower mounts (v2.1)	T-Arm Mount [TA 702-3]		
		1	tx rx systems	422-86A-99575-18BW		
124.0	124.0	3	alcatel lucent	800MHZ RRH	4	1-1/4
		3	alcatel lucent	TD-RRH8X20-25		
		1	cci tower mounts (v2.1)	Platform Mount [LP 601-1]		
		3	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
120.0	120.0	1	cci tower mounts (v2.1)	Platform Mount [LP 601-1]	1	7/8
		1	eri	100-1		
63.0	63.0	1	cci tower mounts (v2.1)	Side Arm Mount [SO 701-1]	1	1/2
		1	gps	GPS_A		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4456627	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	4797649	CCISITES
4-TOWER MANUFACTURER DRAWINGS	4456613	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4456597	CCISITES
4-POST-MODIFICATION INSPECTION	4456621	CCISITES

3.1) Analysis Method

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary) (Monopole Tower)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	179.813 - 132.966	Pole	TP25.5375x15x0.25	1	-11.86	1192.04	95.6	Pass
L2	132.966 - 87.3645	Pole	TP35.1887x24.2069x0.375	2	-26.73	2465.48	94.3	Pass
L3	87.3645 - 42.7915	Pole	TP44.3577x33.3474x0.4375	3	-41.21	3631.49	88.6	Pass
L4	42.7915 - 0	Pole	TP53x42.1375x0.5	4	-44.88	4189.94	80.5	Pass
							Summary	
						Pole (L1)	95.6	Pass
						Rating =	95.6	Pass

Table 5 - Tower Component Stresses vs. Capacity (Monopole Tower) - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods (Original)	0	68.3	Pass
1,2	Anchor Rods (Existing Modification)		63.7	Pass
1	Base Plate		79.8	Pass
1	Base Foundation (Structure)	0	94.5	Pass
	Base Foundation (Soil Interaction)		97.4	Pass

Structure Rating (max from all components) =	97.4%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity. Rating per TIA-222-H Section 15.5.
2) The anchor rod brackets were analyzed previously and found not govern the design. The anchor rods will control the design.

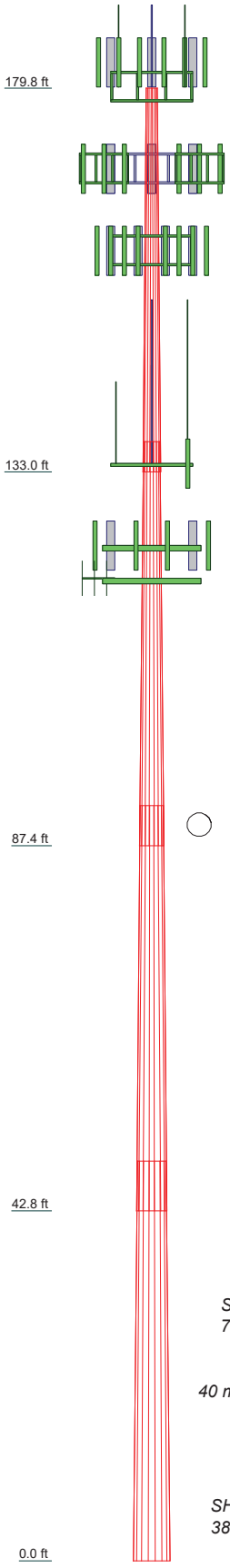
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	46.85	18	0.2500	3.69	15.0000	25.5375	A572-65	2.5
2	49.29	18	0.3750	4.90	24.2069	35.1887		5.9
3	49.47	18	0.4375	6.04	33.3474	44.3577		9.0
4	48.84	18	0.5000		42.1375	53.0000		12.4
								29.8



ALL REACTIONS ARE FACTORED

AXIAL 89 K

SHEAR 7 K — *MOMENT 1006 kip-ft*

TORQUE 1 kip-ft
40 mph WIND - 1.0000 in ICE

AXIAL 62 K

SHEAR 38 K — *MOMENT 5305 kip-ft*

TORQUE 3 kip-ft
REACTIONS - 114 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Litchfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 114 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 40 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 95.6%

BLACK & VEATCH
Building a world of difference.

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11401 Lamar Avenue
Overland Park, KS 66211
Phone: (913) 458-6909
FAX:

Job:	***KENT-BULLS BRIDGE ROAD (BU# 841293)***		
Project:	***406642 (841293.2116364)***		
Client: Crown Castle	Drawn by: Panumart Booncharoensombut	App'd:	
Code: TIA-222-H	Date: 05/17/22	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

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

- Tower is located in Litchfield County, Connecticut.
- Tower base elevation above sea level: 781.00 ft.
- Basic wind speed of 114 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 40 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Diagonals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification	√	Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
√	Use Code Stress Ratios		Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Safety Factors - Guys		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
	Secondary Horizontal Braces Leg		Sort Capacity Reports By Component	√	Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	179.81-132.97	46.85	3.69	18	15.0000	25.5375	0.2500	1.0000	A572-65 (65 ksi)
L2	132.97-87.36	49.29	4.90	18	24.2069	35.1887	0.3750	1.5000	A572-65 (65 ksi)
L3	87.36-42.79	49.47	6.04	18	33.3474	44.3577	0.4375	1.7500	A572-65 (65 ksi)
L4	42.79-0.00	48.84		18	42.1375	53.0000	0.5000	2.0000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	15.1928	11.7041	321.7069	5.2363	7.6200	42.2188	643.8372	5.8532	2.2000	8.8
	25.8929	20.0656	1621.0711	8.9771	12.9731	124.9568	3244.2753	10.0347	4.0546	16.218
L2	25.3578	28.3659	2035.4022	8.4603	12.2971	165.5190	4073.4826	14.1856	3.6004	9.601
	35.6737	41.4370	6344.9205	12.3589	17.8759	354.9435	12698.1899	20.7224	5.5332	14.755
L3	34.9014	45.6996	6253.2144	11.6830	16.9405	369.1282	12514.6569	22.8541	5.0991	11.655
	44.9745	60.9887	14863.3039	15.5917	22.5337	659.6030	29746.1653	30.5001	7.0370	16.084
L4	44.0756	66.0787	14473.3156	14.7813	21.4058	676.1385	28965.6755	33.0456	6.5362	13.072
	53.7405	83.3175	29012.9766	18.6375	26.9240	1077.5879	58064.1291	41.6667	8.4480	16.896

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 179.81-132.97				1	1	1			
L2 132.97-87.36				1	1	1			
L3 87.36-42.79				1	1	1			
L4 42.79-0.00				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 plf
Safety Line 3/8	C	No	Surface Ar (CaAa)	179.81 - 10.00	1	1	-0.090 -0.080	0.3750		0.22
LDF7-50A(1-5/8) ***	B	No	Surface Ar (CaAa)	179.81 - 0.00	3	3	-0.400 -0.070	1.9800		0.82
(1P)HB158-21U6S24-xxM_TMO(1-5/8)+(3P)HCS 6X12 4WG(1-5/8) ***	A	No	Surface Ar (CaAa)	170.00 - 5.00	4	4	0.130 0.350	1.9960		2.50
LDF4-50A(1/2)	C	No	Surface Ar	63.00 -	1	1	-0.360	0.6250		0.15

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***			(CaAa)	0.00			-0.350			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
***									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	179.81 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	179.81 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	179.81 - 0.00	2	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
2" innerduct conduit	C	No	No	Inside Pole	179.81 - 0.00	1	No Ice	0.00	0.20
							1/2" Ice	0.00	0.20
							1" Ice	0.00	0.20
WR-VG66ST-BRD(7/8)	C	No	No	Inside Pole	179.81 - 0.00	4	No Ice	0.00	0.91
							1/2" Ice	0.00	0.91
							1" Ice	0.00	0.91
***									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	160.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
HB158-U12S24-XXX-LI(1-5/8)	C	No	No	Inside Pole	160.00 - 0.00	1	No Ice	0.00	3.20
							1/2" Ice	0.00	3.20
							1" Ice	0.00	3.20
***									
AVA7-50(1-5/8)	C	No	No	Inside Pole	134.00 - 0.00	2	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
LDF4-50A(1/2)	C	No	No	Inside Pole	134.00 - 0.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF7-50A(1-5/8)	C	No	No	Inside Pole	134.00 - 0.00	4	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
***									
HB114-1-08U4-M5J(1-1/4)	C	No	No	Inside Pole	124.00 - 0.00	3	No Ice	0.00	1.08
							1/2" Ice	0.00	1.08
							1" Ice	0.00	1.08
HB114-21U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	124.00 - 0.00	1	No Ice	0.00	1.22
							1/2" Ice	0.00	1.22
							1" Ice	0.00	1.22
***									
LDF5-50A(7/8)	C	No	No	Inside Pole	120.00 - 0.00	1	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
***									

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	179.81-132.97	A	0.000	0.000	29.568	0.000	0.37
		B	0.000	0.000	27.827	0.000	0.12
		C	0.000	0.000	1.757	0.000	0.94
L2	132.97-87.36	A	0.000	0.000	36.408	0.000	0.46
		B	0.000	0.000	27.087	0.000	0.11
		C	0.000	0.000	1.710	0.000	1.46
L3	87.36-42.79	A	0.000	0.000	35.587	0.000	0.45
		B	0.000	0.000	26.476	0.000	0.11
		C	0.000	0.000	2.935	0.000	1.48
L4	42.79-0.00	A	0.000	0.000	30.173	0.000	0.38
		B	0.000	0.000	25.418	0.000	0.11
		C	0.000	0.000	3.904	0.000	1.42

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	179.81-132.97	A	0.992	0.000	0.000	46.143	0.000	0.71
		B		0.000	0.000	46.400	0.000	0.46
		C		0.000	0.000	11.050	0.000	1.01
L2	132.97-87.36	A	0.958	0.000	0.000	56.819	0.000	0.88
		B		0.000	0.000	45.167	0.000	0.45
		C		0.000	0.000	10.757	0.000	1.54
L3	87.36-42.79	A	0.909	0.000	0.000	55.159	0.000	0.84
		B		0.000	0.000	43.771	0.000	0.42
		C		0.000	0.000	15.347	0.000	1.58
L4	42.79-0.00	A	0.814	0.000	0.000	46.304	0.000	0.70
		B		0.000	0.000	41.497	0.000	0.39
		C		0.000	0.000	17.645	0.000	1.54

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	179.81-132.97	-0.1073	-4.5945	0.0515	-3.1409
L2	132.97-87.36	-0.4613	-5.6295	-0.2013	-4.0361
L3	87.36-42.79	-0.3967	-6.0186	-0.0115	-4.2615
L4	42.79-0.00	-0.0135	-5.9242	0.4344	-4.2033

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	1	Safety Line 3/8	132.97 - 179.81	1.0000	1.0000
L1	7	LDF7-50A(1-5/8)	132.97 - 179.81	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	11	(1P)HB158-21U6S24-xxM_TMO(1-5/8)+(3P)HCS 6X12 4WG(1-5/8)	132.97 - 170.00	1.0000	1.0000
L2	1	Safety Line 3/8	87.36 - 132.97	1.0000	1.0000
L2	7	LDF7-50A(1-5/8)	87.36 - 132.97	1.0000	1.0000
L2	11	(1P)HB158-21U6S24-xxM_TMO(1-5/8)+(3P)HCS 6X12 4WG(1-5/8)	87.36 - 132.97	1.0000	1.0000
L3	1	Safety Line 3/8	42.79 - 87.36	1.0000	1.0000
L3	7	LDF7-50A(1-5/8)	42.79 - 87.36	1.0000	1.0000
L3	11	(1P)HB158-21U6S24-xxM_TMO(1-5/8)+(3P)HCS 6X12 4WG(1-5/8)	42.79 - 87.36	1.0000	1.0000
L3	30	LDF4-50A(1/2)	42.79 - 63.00	1.0000	1.0000
L4	1	Safety Line 3/8	10.00 - 42.79	1.0000	1.0000
L4	7	LDF7-50A(1-5/8)	0.00 - 42.79	1.0000	1.0000
L4	11	(1P)HB158-21U6S24-xxM_TMO(1-5/8)+(3P)HCS 6X12 4WG(1-5/8)	5.00 - 42.79	1.0000	1.0000
L4	30	LDF4-50A(1/2)	0.00 - 42.79	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Level 180									
Platform Mount [10' LP 601-1]	C	None		0.00	180.00	No Ice 1/2" Ice 1" Ice	23.75 26.41 29.06	23.75 26.41 29.06	0.94 1.40 1.90
Miscellaneous [10' NA 507-1]	C	From Leg	0.00 0.00 2.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	3.80 5.33 6.82	3.80 5.33 6.82	0.20 0.26 0.33
Transition Ladder	A	From Leg	2.00 0.00 -4.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	6.00 8.00 10.00	6.00 8.00 10.00	0.16 0.24 0.32
8'6"x2.5" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	2.44 3.32 4.20	2.44 3.32 4.20	0.05 0.07 0.09
8'6"x2.5" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	2.44 3.32 4.20	2.44 3.32 4.20	0.05 0.07 0.09
8'6"x2.5" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	2.44 3.32 4.20	2.44 3.32 4.20	0.05 0.07 0.09
2'x2" Mount Pipe	A	From Leg	3.00	0.00	180.00	No Ice	0.34	0.34	0.01

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
			0.00			1/2" Ice	0.47	0.47	0.01
			2.00			1" Ice	0.61	0.61	0.02
2'x2" Mount Pipe	B	From Leg	3.00 0.00 2.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	0.34 0.47 0.61	0.34 0.47 0.61	0.01 0.01 0.02
2'x2" Mount Pipe	B	From Leg	3.00 0.00 2.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	0.34 0.47 0.61	0.34 0.47 0.61	0.01 0.01 0.02
2'x2" Mount Pipe	C	From Leg	4.00 0.00 2.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	0.34 0.47 0.61	0.34 0.47 0.61	0.01 0.01 0.02
(2) DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	11.96 12.70 13.46	5.97 6.63 7.30	0.11 0.20 0.30
(2) DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	11.96 12.70 13.46	5.97 6.63 7.30	0.11 0.20 0.30
(2) DMP65R-BU4D w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	7.53 8.04 8.57	3.79 4.23 4.68	0.09 0.16 0.22
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
ASP-952	A	From Leg	4.00 0.00 5.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	3.02 4.16 5.30	3.02 4.16 5.30	0.02 0.04 0.07
ASP-952	B	From Leg	4.00 0.00 5.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	3.02 4.16 5.30	3.02 4.16 5.30	0.02 0.04 0.07
ASP-952	C	From Leg	4.00 0.00 5.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	3.02 4.16 5.30	3.02 4.16 5.30	0.02 0.04 0.07
RRUS 4478 B14	A	From Leg	4.00 0.00 1.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B14	B	From Leg	4.00 0.00 1.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B14	C	From Leg	4.00 0.00 3.00	0.00	180.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 8843 B2/B66A	A	From Leg	4.00 0.00	0.00	180.00	No Ice 1/2"	1.64 1.80	1.35 1.50	0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			1.00			Ice	1.97	1.65	0.11
						1" Ice			
RRUS 8843 B2/B66A	B	From Leg	4.00	0.00	180.00	No Ice	1.64	1.35	0.07
			0.00			1/2"	1.80	1.50	0.09
			1.00			Ice	1.97	1.65	0.11
						1" Ice			
RRUS 8843 B2/B66A	C	From Leg	4.00	0.00	180.00	No Ice	1.64	1.35	0.07
			0.00			1/2"	1.80	1.50	0.09
			3.00			Ice	1.97	1.65	0.11
						1" Ice			
RRUS 4449 B5/B12	A	From Leg	4.00	0.00	180.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			1.00			Ice	2.33	1.73	0.11
						1" Ice			
RRUS 4449 B5/B12	B	From Leg	4.00	0.00	180.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			1.00			Ice	2.33	1.73	0.11
						1" Ice			
RRUS 4449 B5/B12	C	From Leg	4.00	0.00	180.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			3.00			Ice	2.33	1.73	0.11
						1" Ice			
(2) LGP21401	A	From Leg	4.00	0.00	180.00	No Ice	1.10	0.35	0.01
			0.00			1/2"	1.24	0.44	0.02
			3.00			Ice	1.38	0.54	0.03
						1" Ice			
(2) LGP21401	B	From Leg	4.00	0.00	180.00	No Ice	1.10	0.35	0.01
			0.00			1/2"	1.24	0.44	0.02
			3.00			Ice	1.38	0.54	0.03
						1" Ice			
(2) LGP21401	C	From Leg	4.00	0.00	180.00	No Ice	1.10	0.35	0.01
			0.00			1/2"	1.24	0.44	0.02
			3.00			Ice	1.38	0.54	0.03
						1" Ice			
DC6-48-60-18-8F	A	From Leg	1.00	0.00	180.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			5.00			Ice	1.64	1.64	0.06
						1" Ice			
DC6-48-60-0-8C-EV	B	From Leg	1.00	0.00	180.00	No Ice	2.74	4.78	0.03
			0.00			1/2"	2.96	5.06	0.06
			5.00			Ice	3.20	5.35	0.10
						1" Ice			
DC6-48-60-0-8C-EV	C	From Leg	1.00	0.00	180.00	No Ice	2.74	4.78	0.03
			0.00			1/2"	2.96	5.06	0.06
			5.00			Ice	3.20	5.35	0.10
						1" Ice			
Level 170 Platform Mount [LP 303-1_HR-1]	C	None		0.00	170.00	No Ice	17.09	17.09	1.50
						1/2"	21.47	21.47	1.88
						Ice	25.72	25.72	2.35
						1" Ice			
8'x2" Mount Pipe	A	From Leg	3.00	0.00	170.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice			
8'x2" Mount Pipe	B	From Leg	3.00	0.00	170.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice			
(2) 8'x2" Mount Pipe	C	From Leg	3.00	0.00	170.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice			
(2) APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.00	0.00	170.00	No Ice	14.69	6.87	0.18
			0.00			1/2"	15.46	7.55	0.31

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
			0.00			Ice 1" Ice	16.23	8.25	0.45
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	6.29 6.86 7.45	2.76 3.27 3.79	0.06 0.11 0.16
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	6.29 6.86 7.45	2.76 3.27 3.79	0.06 0.11 0.16
(2) APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	6.29 6.86 7.45	2.76 3.27 3.79	0.06 0.11 0.16
RRUS 11 B4	B	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
(2) RRUS 11 B4	A	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
(2) Radio 4480_TMOV2	A	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	B	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
Radio 4480_TMOV2	C	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.88 3.09 3.31	1.40 1.56 1.73	0.08 0.10 0.13
RRUS 11 B2	A	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
RRUS 11 B2	B	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
(2) RRUS 11 B2	C	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	1.18 1.33 1.48	0.05 0.07 0.10
RADIO 2217 B2	B	From Leg	4.00 0.00 0.00	0.00	170.00	No Ice 1/2" Ice 1" Ice	1.35 1.50 1.65	0.59 0.69 0.80	0.03 0.04 0.05
Level 160 Platform Mount [10.83' LP 601-1]	C	None		0.00	160.00	No Ice 1/2" Ice 1" Ice	25.72 28.60 31.47	25.72 28.60 31.47	1.01 1.51 2.06
Mount Reinforcement Specifications	C	None		0.00	160.00	No Ice 1/2"	28.63 37.31	28.63 37.31	0.28 0.67

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment ° °	Placement ft ft		C_AA_A Front ft^2 ft^2	C_AA_A Side ft^2 ft^2	Weight K K
						Ice	45.80	45.80	0.94
						1" Ice			
Transition Ladder	A	From Leg	2.00	0.00	160.00	No Ice	6.00	6.00	0.16
			0.00			1/2"	8.00	8.00	0.24
			-4.00			Ice	10.00	10.00	0.32
						1" Ice			
(2) LPA-80080-6CF-EDIN w/ Mount Pipe	A	From Leg	4.00	0.00	160.00	No Ice	4.56	10.64	0.05
			0.00			1/2"	5.11	11.81	0.11
			0.00			Ice	5.61	12.70	0.19
						1" Ice			
(2) LPA-80080-6CF-EDIN w/ Mount Pipe	B	From Leg	4.00	0.00	160.00	No Ice	4.56	10.64	0.05
			0.00			1/2"	5.11	11.81	0.11
			0.00			Ice	5.61	12.70	0.19
						1" Ice			
(2) LPA-80080-6CF-EDIN w/ Mount Pipe	C	From Leg	4.00	0.00	160.00	No Ice	4.56	10.64	0.05
			0.00			1/2"	5.11	11.81	0.11
			0.00			Ice	5.61	12.70	0.19
						1" Ice			
(2) MX06FRO660-03 w/ Mount Pipe	A	From Leg	4.00	0.00	160.00	No Ice	6.54	5.55	0.10
			0.00			1/2"	7.06	6.05	0.18
			0.00			Ice	7.60	6.57	0.28
						1" Ice			
(2) MX06FRO660-03 w/ Mount Pipe	B	From Leg	4.00	0.00	160.00	No Ice	6.54	5.55	0.10
			0.00			1/2"	7.06	6.05	0.18
			0.00			Ice	7.60	6.57	0.28
						1" Ice			
(2) MX06FRO660-03 w/ Mount Pipe	C	From Leg	4.00	0.00	160.00	No Ice	6.54	5.55	0.10
			0.00			1/2"	7.06	6.05	0.18
			0.00			Ice	7.60	6.57	0.28
						1" Ice			
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.00	160.00	No Ice	4.91	2.68	0.10
			0.00			1/2"	5.26	3.14	0.14
			0.00			Ice	5.61	3.62	0.18
						1" Ice			
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.00	160.00	No Ice	4.91	2.68	0.10
			0.00			1/2"	5.26	3.14	0.14
			0.00			Ice	5.61	3.62	0.18
						1" Ice			
MT6407-77A w/ Mount Pipe	C	From Leg	4.00	0.00	160.00	No Ice	4.91	2.68	0.10
			0.00			1/2"	5.26	3.14	0.14
			0.00			Ice	5.61	3.62	0.18
						1" Ice			
RVZDC-6627-PF-48_CCIV2	C	From Leg	4.00	0.00	160.00	No Ice	4.06	3.10	0.03
			0.00			1/2"	4.32	3.34	0.07
			0.00			Ice	4.58	3.58	0.11
						1" Ice			
RF4439D-25A	A	From Leg	4.00	0.00	160.00	No Ice	1.87	1.25	0.07
			0.00			1/2"	2.03	1.39	0.09
			0.00			Ice	2.21	1.54	0.11
						1" Ice			
RF4439D-25A	B	From Leg	4.00	0.00	160.00	No Ice	1.87	1.25	0.07
			0.00			1/2"	2.03	1.39	0.09
			0.00			Ice	2.21	1.54	0.11
						1" Ice			
RF4439D-25A	C	From Leg	4.00	0.00	160.00	No Ice	1.87	1.25	0.07
			0.00			1/2"	2.03	1.39	0.09
			0.00			Ice	2.21	1.54	0.11
						1" Ice			
RF4440D-13A	A	From Leg	4.00	0.00	160.00	No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			0.00			Ice	2.21	1.41	0.11
						1" Ice			
RF4440D-13A	B	From Leg	4.00	0.00	160.00	No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			0.00			Ice	2.21	1.41	0.11

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" Ice			
RF4440D-13A	C	From Leg	4.00	0.00	160.00	No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			0.00			Ice	2.21	1.41	0.11
						1" Ice			
Level 134 T-Arm Mount [TA 702-3]	C	None		0.00	134.00	No Ice	4.75	4.75	0.34
						1/2"	5.82	5.82	0.43
						Ice	6.98	6.98	0.55
						1" Ice			
3.5' Hor 2.5x2.5 Angle	A	From Leg	3.00	90.00	131.00	No Ice	1.26	0.02	0.01
			0.00			1/2"	1.44	0.07	0.02
			0.00			Ice	1.64	0.13	0.03
						1" Ice			
3.5' Hor 2.5x2.5 Angle	B	From Leg	3.00	90.00	131.00	No Ice	1.26	0.02	0.01
			0.00			1/2"	1.44	0.07	0.02
			0.00			Ice	1.64	0.13	0.03
						1" Ice			
3.5' Hor 2.5x2.5 Angle	C	From Leg	3.00	90.00	131.00	No Ice	1.26	0.02	0.01
			0.00			1/2"	1.44	0.07	0.02
			0.00			Ice	1.64	0.13	0.03
						1" Ice			
3.5' Hor 2.5x2.5 Angle	A	From Leg	3.00	0.00	131.00	No Ice	1.26	0.02	0.01
			0.00			1/2"	1.44	0.07	0.02
			0.00			Ice	1.64	0.13	0.03
						1" Ice			
3.5' Hor 2.5x2.5 Angle	B	From Leg	3.00	0.00	131.00	No Ice	1.26	0.02	0.01
			0.00			1/2"	1.44	0.07	0.02
			0.00			Ice	1.64	0.13	0.03
						1" Ice			
3.5' Hor 2.5x2.5 Angle	C	From Leg	3.00	0.00	131.00	No Ice	1.26	0.02	0.01
			0.00			1/2"	1.44	0.07	0.02
			0.00			Ice	1.64	0.13	0.03
						1" Ice			
(2) 6'x2" Mount Pipe	A	From Leg	3.00	0.00	134.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
(2) 6'x2" Mount Pipe	B	From Leg	3.00	0.00	134.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
(2) 6'x2" Mount Pipe	C	From Leg	3.00	0.00	134.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
(2) DB809DK-Y	C	From Leg	4.00	0.00	134.00	No Ice	3.39	3.39	0.03
			0.00			1/2"	4.55	4.55	0.06
			5.00			Ice	5.73	5.73	0.09
						1" Ice			
SC442D-HF2LDF	A	From Leg	4.00	0.00	134.00	No Ice	7.27	7.27	0.08
			0.00			1/2"	12.20	12.20	0.15
			10.00			Ice	14.29	14.29	0.23
						1" Ice			
SC442D-HF2LDF	B	From Leg	4.00	0.00	134.00	No Ice	7.27	7.27	0.08
			0.00			1/2"	12.20	12.20	0.15
			10.00			Ice	14.29	14.29	0.23
						1" Ice			
SC479-HF1LDF	A	From Leg	4.00	0.00	134.00	No Ice	5.06	5.06	0.03
			0.00			1/2"	6.54	6.54	0.07
			7.00			Ice	8.04	8.04	0.11
						1" Ice			
WPA-700102-4CF-EDIN-9	B	From Leg	4.00	0.00	134.00	No Ice	3.57	2.79	0.01
			0.00			1/2"	3.87	3.10	0.04
			0.00			Ice	4.18	3.41	0.07

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" Ice			
432E-83I-01-T	A	From Leg	4.00 0.00 7.00	0.00	134.00	No Ice 1/2" Ice 1" Ice	1.42 1.57 1.73	0.87 0.99 1.12	0.03 0.04 0.05
422-86A-99575-18BW	B	From Leg	4.00 0.00 0.00	0.00	134.00	No Ice 1/2" Ice 1" Ice	2.96 3.17 3.39	1.20 1.35 1.51	0.05 0.07 0.09
Level 124 Platform Mount [LP 601-1]	C	None		0.00	124.00	No Ice 1/2" Ice 1" Ice	28.50 31.69 34.87	28.50 31.69 34.87	1.12 1.68 2.28
Transition Ladder	C	From Leg	2.00 0.00 -4.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	6.00 8.00 10.00	6.00 8.00 10.00	0.16 0.24 0.32
6'x2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
6'x2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
(2) 6'x2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.60 5.05 5.50	4.01 4.45 4.89	0.10 0.16 0.23
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
800MHZ RRH	A	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
800MHZ RRH	B	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
800MHZ RRH	C	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10

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" Ice			
TD-RRH8X20-25	A	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.05 4.30 4.56	1.53 1.71 1.90	0.07 0.10 0.13
TD-RRH8X20-25	B	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.05 4.30 4.56	1.53 1.71 1.90	0.07 0.10 0.13
TD-RRH8X20-25	C	From Leg	4.00 0.00 0.00	0.00	124.00	No Ice 1/2" Ice 1" Ice	4.05 4.30 4.56	1.53 1.71 1.90	0.07 0.10 0.13
Level 120 Platform Mount [LP 601-1]	B	None		0.00	120.00	No Ice 1/2" Ice 1" Ice	28.50 31.69 34.87	28.50 31.69 34.87	1.12 1.68 2.28
Transition Ladder	C	From Leg	2.00 0.00 -4.00	0.00	120.00	No Ice 1/2" Ice 1" Ice	6.00 8.00 10.00	6.00 8.00 10.00	0.16 0.24 0.32
(2) 8'x2" Mount Pipe	A	From Leg	3.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8'x2" Mount Pipe	B	From Leg	3.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8'x2" Mount Pipe	C	From Leg	3.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) Side Arm Mount [SO 301-1]	C	From Leg	3.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice	0.46 0.65 0.87	0.91 1.30 1.71	0.02 0.03 0.05
100-1	C	From Leg	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice	4.80 5.07 5.35	6.00 6.30 6.61	0.02 0.08 0.16
Level 80 Pipe Mount [PM 601-3]	C	None		0.00	80.00	No Ice 1/2" Ice 1" Ice	3.17 3.79 4.42	3.17 3.79 4.42	0.20 0.23 0.28
Level 63 Side Arm Mount [SO 701-1]	C	From Leg	0.00 0.00 0.00	0.00	63.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	0.07 0.08 0.09
GPS_A	C	From Leg	4.00 0.00 0.00	0.00	63.00	No Ice 1/2" Ice 1" Ice	0.26 0.32 0.39	0.26 0.32 0.39	0.00 0.00 0.01
***									

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	179.813 - 132.966	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28.35	1.32	5.98
			Max. Mx	20	-11.99	691.94	4.57
			Max. My	2	-11.86	2.81	710.76
			Max. Vy	20	-21.61	691.94	4.57
			Max. Vx	2	-21.98	2.81	710.76
			Max. Torque	9			2.48

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L2	132.966 - 87.3645	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.43	4.56	6.28
			Max. Mx	20	-26.82	1979.28	9.09
			Max. My	2	-26.73	8.60	2012.92
			Max. Vy	20	-32.25	1979.28	9.09
			Max. Vx	2	-32.63	8.60	2012.92
			Max. Torque	9			3.18
L3	87.3645 - 42.7915	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.27	5.74	7.50
			Max. Mx	20	-41.25	3449.62	14.71
			Max. My	2	-41.21	14.45	3499.55
			Max. Vy	20	-35.26	3449.62	14.71
			Max. Vx	2	-35.64	14.45	3499.55
			Max. Torque	17			-2.84
L4	42.7915 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-88.78	6.51	8.62
			Max. Mx	20	-61.86	5237.01	21.25
			Max. My	2	-61.86	21.00	5305.04
			Max. Vy	20	-37.61	5237.01	21.25
			Max. Vx	2	-37.97	21.00	5305.04
			Max. Torque	17			-2.83

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	88.78	0.02	6.88
	Max. H_x	20	61.90	37.55	0.12
	Max. H_z	2	61.90	0.12	37.91
	Max. M_x	2	5305.04	0.12	37.91
	Max. M_z	8	5229.57	-37.55	-0.12
	Max. Torsion	5	2.75	-18.59	32.77
	Min. Vert	25	46.42	18.79	32.89
	Min. H_x	8	61.90	-37.55	-0.12
	Min. H_z	14	61.90	-0.12	-37.91
	Min. M_x	14	-5297.20	-0.12	-37.91
	Min. M_z	20	-5237.01	37.55	0.12
	Min. Torsion	17	-2.83	18.59	-32.77

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	51.58	-0.00	-0.00	-3.27	3.04	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	61.90	-0.12	-37.91	-5305.04	21.00	-2.35
0.9 Dead+1.0 Wind 0 deg - No Ice	46.42	-0.12	-37.91	-5188.80	19.62	-2.35
1.2 Dead+1.0 Wind 30 deg - No Ice	61.90	18.59	-32.77	-4586.75	-2582.97	-2.74
0.9 Dead+1.0 Wind 30 deg - No Ice	46.42	18.59	-32.77	-4486.04	-2527.92	-2.75
1.2 Dead+1.0 Wind 60 deg - No Ice	61.90	32.31	-18.85	-2640.27	-4494.57	-2.42
0.9 Dead+1.0 Wind 60 deg - No Ice	46.42	32.31	-18.85	-2581.83	-4398.02	-2.44
1.2 Dead+1.0 Wind 90 deg -	61.90	37.55	0.12	13.35	-5229.57	-1.44

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
No Ice						
0.9 Dead+1.0 Wind 90 deg - No Ice	46.42	37.55	0.12	14.08	-5117.09	-1.46
1.2 Dead+1.0 Wind 120 deg - No Ice	61.90	32.43	19.05	2662.15	-4511.53	-0.02
0.9 Dead+1.0 Wind 120 deg - No Ice	46.42	32.43	19.05	2605.27	-4414.64	-0.04
1.2 Dead+1.0 Wind 150 deg - No Ice	61.90	18.79	32.89	4595.83	-2612.74	1.43
0.9 Dead+1.0 Wind 150 deg - No Ice	46.42	18.79	32.89	4496.96	-2557.05	1.42
1.2 Dead+1.0 Wind 180 deg - No Ice	61.90	0.12	37.91	5297.20	-13.59	2.48
0.9 Dead+1.0 Wind 180 deg - No Ice	46.42	0.12	37.91	5183.12	-14.22	2.48
1.2 Dead+1.0 Wind 210 deg - No Ice	61.90	-18.59	32.77	4578.91	2590.40	2.82
0.9 Dead+1.0 Wind 210 deg - No Ice	46.42	-18.59	32.77	4480.37	2533.34	2.83
1.2 Dead+1.0 Wind 240 deg - No Ice	61.90	-32.31	18.85	2632.40	4502.02	2.37
0.9 Dead+1.0 Wind 240 deg - No Ice	46.42	-32.31	18.85	2576.15	4403.46	2.39
1.2 Dead+1.0 Wind 270 deg - No Ice	61.90	-37.55	-0.12	-21.25	5237.01	1.31
0.9 Dead+1.0 Wind 270 deg - No Ice	46.42	-37.55	-0.12	-19.77	5122.52	1.33
1.2 Dead+1.0 Wind 300 deg - No Ice	61.90	-32.43	-19.05	-2670.04	4518.94	-0.06
0.9 Dead+1.0 Wind 300 deg - No Ice	46.42	-32.43	-19.05	-2610.97	4420.06	-0.04
1.2 Dead+1.0 Wind 330 deg - No Ice	61.90	-18.79	-32.89	-4603.69	2620.14	-1.38
0.9 Dead+1.0 Wind 330 deg - No Ice	46.42	-18.79	-32.89	-4502.65	2562.46	-1.37
1.2 Dead+1.0 Ice+1.0 Temp	88.78	-0.00	-0.00	-8.62	6.51	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	88.78	-0.02	-6.88	-1004.87	9.25	-0.44
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	88.78	3.39	-5.95	-870.10	-482.14	-0.53
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	88.78	5.89	-3.43	-504.53	-842.59	-0.48
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	88.78	6.81	0.02	-6.11	-975.49	-0.30
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	88.78	5.91	3.46	491.60	-845.23	-0.04
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	88.78	3.42	5.97	855.24	-486.73	0.23
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	88.78	0.02	6.88	987.37	3.96	0.44
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	88.78	-3.39	5.95	852.59	495.36	0.53
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	88.78	-5.89	3.43	487.02	855.80	0.48
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	88.78	-6.81	-0.02	-11.40	988.69	0.30
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	88.78	-5.91	-3.46	-509.11	858.44	0.04
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	88.78	-3.42	-5.97	-872.74	499.94	-0.23
Dead+Wind 0 deg - Service	51.58	-0.03	-9.94	-1383.09	7.60	-0.53
Dead+Wind 30 deg - Service	51.58	4.88	-8.60	-1196.01	-670.15	-0.69
Dead+Wind 60 deg - Service	51.58	8.48	-4.95	-689.36	-1167.50	-0.67
Dead+Wind 90 deg - Service	51.58	9.85	0.03	1.12	-1358.77	-0.46
Dead+Wind 120 deg - Service	51.58	8.51	5.00	690.40	-1171.97	-0.13
Dead+Wind 150 deg - Service	51.58	4.93	8.63	1193.78	-677.90	0.24
Dead+Wind 180 deg -	51.58	0.03	9.94	1376.39	-1.35	0.54

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Service						
Dead+Wind 210 deg - Service	51.58	-4.88	8.60	1189.31	676.39	0.70
Dead+Wind 240 deg - Service	51.58	-8.48	4.95	682.65	1173.75	0.67
Dead+Wind 270 deg - Service	51.58	-9.85	-0.03	-7.83	1365.02	0.46
Dead+Wind 300 deg - Service	51.58	-8.51	-5.00	-697.11	1178.22	0.13
Dead+Wind 330 deg - Service	51.58	-4.93	-8.63	-1200.48	684.14	-0.23

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	0.00	-51.58	0.00	0.00	51.58	0.00	0.000%
2	-0.12	-61.90	-37.91	0.12	61.90	37.91	0.000%
3	-0.12	-46.42	-37.91	0.12	46.42	37.91	0.000%
4	18.59	-61.90	-32.77	-18.59	61.90	32.77	0.000%
5	18.59	-46.42	-32.77	-18.59	46.42	32.77	0.000%
6	32.31	-61.90	-18.85	-32.31	61.90	18.85	0.000%
7	32.31	-46.42	-18.85	-32.31	46.42	18.85	0.000%
8	37.55	-61.90	0.12	-37.55	61.90	-0.12	0.000%
9	37.55	-46.42	0.12	-37.55	46.42	-0.12	0.000%
10	32.43	-61.90	19.05	-32.43	61.90	-19.05	0.000%
11	32.43	-46.42	19.05	-32.43	46.42	-19.05	0.000%
12	18.79	-61.90	32.89	-18.79	61.90	-32.89	0.000%
13	18.79	-46.42	32.89	-18.79	46.42	-32.89	0.000%
14	0.12	-61.90	37.91	-0.12	61.90	-37.91	0.000%
15	0.12	-46.42	37.91	-0.12	46.42	-37.91	0.000%
16	-18.59	-61.90	32.77	18.59	61.90	-32.77	0.000%
17	-18.59	-46.42	32.77	18.59	46.42	-32.77	0.000%
18	-32.31	-61.90	18.85	32.31	61.90	-18.85	0.000%
19	-32.31	-46.42	18.85	32.31	46.42	-18.85	0.000%
20	-37.55	-61.90	-0.12	37.55	61.90	0.12	0.000%
21	-37.55	-46.42	-0.12	37.55	46.42	0.12	0.000%
22	-32.43	-61.90	-19.05	32.43	61.90	19.05	0.000%
23	-32.43	-46.42	-19.05	32.43	46.42	19.05	0.000%
24	-18.79	-61.90	-32.89	18.79	61.90	32.89	0.000%
25	-18.79	-46.42	-32.89	18.79	46.42	32.89	0.000%
26	0.00	-88.78	0.00	0.00	88.78	0.00	0.000%
27	-0.02	-88.78	-6.88	0.02	88.78	6.88	0.000%
28	3.39	-88.78	-5.95	-3.39	88.78	5.95	0.000%
29	5.89	-88.78	-3.43	-5.89	88.78	3.43	0.000%
30	6.81	-88.78	0.02	-6.81	88.78	-0.02	0.000%
31	5.91	-88.78	3.46	-5.91	88.78	-3.46	0.000%
32	3.42	-88.78	5.97	-3.42	88.78	-5.97	0.000%
33	0.02	-88.78	6.88	-0.02	88.78	-6.88	0.000%
34	-3.39	-88.78	5.95	3.39	88.78	-5.95	0.000%
35	-5.89	-88.78	3.43	5.89	88.78	-3.43	0.000%
36	-6.81	-88.78	-0.02	6.81	88.78	0.02	0.000%
37	-5.91	-88.78	-3.46	5.91	88.78	3.46	0.000%
38	-3.42	-88.78	-5.97	3.42	88.78	5.97	0.000%
39	-0.03	-51.58	-9.94	0.03	51.58	9.94	0.000%
40	4.88	-51.58	-8.60	-4.88	51.58	8.60	0.000%
41	8.48	-51.58	-4.95	-8.48	51.58	4.95	0.000%
42	9.85	-51.58	0.03	-9.85	51.58	-0.03	0.000%
43	8.51	-51.58	5.00	-8.51	51.58	-5.00	0.000%
44	4.93	-51.58	8.63	-4.93	51.58	-8.63	0.000%
45	0.03	-51.58	9.94	-0.03	51.58	-9.94	0.000%
46	-4.88	-51.58	8.60	4.88	51.58	-8.60	0.000%
47	-8.48	-51.58	4.95	8.48	51.58	-4.95	0.000%
48	-9.85	-51.58	-0.03	9.85	51.58	0.03	0.000%
49	-8.51	-51.58	-5.00	8.51	51.58	5.00	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
50	-4.93	-51.58	-8.63	4.93	51.58	8.63	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00059260
3	Yes	5	0.00000001	0.00024298
4	Yes	7	0.00000001	0.00013236
5	Yes	6	0.00000001	0.00041065
6	Yes	7	0.00000001	0.00013903
7	Yes	6	0.00000001	0.00043460
8	Yes	5	0.00000001	0.00034758
9	Yes	5	0.00000001	0.00014263
10	Yes	7	0.00000001	0.00013423
11	Yes	6	0.00000001	0.00041656
12	Yes	7	0.00000001	0.00013535
13	Yes	6	0.00000001	0.00042039
14	Yes	5	0.00000001	0.00028786
15	Yes	5	0.00000001	0.00011840
16	Yes	7	0.00000001	0.00014008
17	Yes	6	0.00000001	0.00043731
18	Yes	7	0.00000001	0.00013218
19	Yes	6	0.00000001	0.00040980
20	Yes	5	0.00000001	0.00064240
21	Yes	5	0.00000001	0.00026384
22	Yes	7	0.00000001	0.00013619
23	Yes	6	0.00000001	0.00042420
24	Yes	7	0.00000001	0.00013638
25	Yes	6	0.00000001	0.00042423
26	Yes	4	0.00000001	0.00014711
27	Yes	6	0.00000001	0.00027343
28	Yes	6	0.00000001	0.00040968
29	Yes	6	0.00000001	0.00042014
30	Yes	6	0.00000001	0.00026183
31	Yes	6	0.00000001	0.00039575
32	Yes	6	0.00000001	0.00039940
33	Yes	6	0.00000001	0.00026318
34	Yes	6	0.00000001	0.00041306
35	Yes	6	0.00000001	0.00039833
36	Yes	6	0.00000001	0.00026730
37	Yes	6	0.00000001	0.00043096
38	Yes	6	0.00000001	0.00043173
39	Yes	5	0.00000001	0.00004122
40	Yes	5	0.00000001	0.00054441
41	Yes	5	0.00000001	0.00058854
42	Yes	5	0.00000001	0.00005044
43	Yes	5	0.00000001	0.00054874
44	Yes	5	0.00000001	0.00056561
45	Yes	5	0.00000001	0.00003396
46	Yes	5	0.00000001	0.00058914
47	Yes	5	0.00000001	0.00053242
48	Yes	5	0.00000001	0.00005782
49	Yes	5	0.00000001	0.00059230
50	Yes	5	0.00000001	0.00058830

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	179.813 - 132.966	64.9605	39	3.75	0.01
L2	136.659 - 87.3645	34.5094	39	2.74	0.00
L3	92.2629 - 42.7915	14.2249	39	1.59	0.00
L4	48.8358 - 0	3.6883	39	0.71	0.00

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
180.00	Platform Mount [10' LP 601-1]	39	64.9605	3.75	0.01	14042
170.00	Platform Mount [LP 303-1_HR-1]	39	57.5398	3.53	0.01	7155
160.00	Platform Mount [10.83' LP 601-1]	39	50.1456	3.30	0.01	3542
134.00	T-Arm Mount [TA 702-3]	39	32.9430	2.67	0.00	1669
131.00	3.5' Hor 2.5x2.5 Angle	39	31.2370	2.59	0.00	1713
124.00	Platform Mount [LP 601-1]	39	27.4990	2.41	0.00	1838
120.00	Platform Mount [LP 601-1]	39	25.5085	2.30	0.00	1919
80.00	Pipe Mount [PM 601-3]	39	10.4131	1.31	0.00	2749
63.00	Side Arm Mount [SO 701-1]	39	6.2163	0.96	0.00	2734

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	179.813 - 132.966	247.4955	2	14.32	0.05
L2	136.659 - 87.3645	132.0511	2	10.48	0.02
L3	92.2629 - 42.7915	54.5511	2	6.11	0.01
L4	48.8358 - 0	14.1526	2	2.73	0.00

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
180.00	Platform Mount [10' LP 601-1]	2	247.4955	14.32	0.05	4075
170.00	Platform Mount [LP 303-1_HR-1]	2	219.3968	13.48	0.04	2074
160.00	Platform Mount [10.83' LP 601-1]	2	191.3873	12.62	0.03	1022
134.00	T-Arm Mount [TA 702-3]	2	126.0915	10.23	0.02	469
131.00	3.5' Hor 2.5x2.5 Angle	2	119.5957	9.93	0.02	479
124.00	Platform Mount [LP 601-1]	2	105.3452	9.23	0.01	509
120.00	Platform Mount [LP 601-1]	2	97.7466	8.83	0.01	529
80.00	Pipe Mount [PM 601-3]	2	39.9368	5.03	0.01	725
63.00	Side Arm Mount [SO 701-1]	2	23.8458	3.70	0.00	718

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
L1	179.813 - 132.966 (1)	TP25.5375x15x0.25	46.85	0.00	0.0	19.4065	-11.86	1135.28	0.010
L2	132.966 - 87.3645 (2)	TP35.1887x24.2069x0.375	49.29	0.00	0.0	40.1381	-26.73	2348.08	0.011
L3	87.3645 - 42.7915 (3)	TP44.3577x33.3474x0.4375	49.47	0.00	0.0	59.1207	-41.21	3458.56	0.012
L4	42.7915 - 0 (4)	TP53x42.1375x0.5	48.84	0.00	0.0	68.2123	-44.88	3990.42	0.011

Pole Bending Design Data

Section No.	Elevation	Size	M_{ux}	ϕM_{nx}	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy}	ϕM_{ny}	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
	ft		kip-ft	kip-ft		kip-ft	kip-ft	
L1	179.813 - 132.966 (1)	TP25.5375x15x0.25	710.76	718.39	0.989	0.00	718.39	0.000
L2	132.966 - 87.3645 (2)	TP35.1887x24.2069x0.375	2012.93	2061.22	0.977	0.00	2061.22	0.000
L3	87.3645 - 42.7915 (3)	TP44.3577x33.3474x0.4375	3499.58	3814.57	0.917	0.00	3814.57	0.000
L4	42.7915 - 0 (4)	TP53x42.1375x0.5	3716.47	4462.49	0.833	0.00	4462.49	0.000

Pole Shear Design Data

Section No.	Elevation	Size	Actual V_u	ϕV_n	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u	ϕT_n	Ratio $\frac{T_u}{\phi T_n}$
	ft		K	K		kip-ft	kip-ft	
L1	179.813 - 132.966 (1)	TP25.5375x15x0.25	21.98	340.58	0.065	0.14	729.47	0.000
L2	132.966 - 87.3645 (2)	TP35.1887x24.2069x0.375	32.63	704.42	0.046	2.25	2080.33	0.001
L3	87.3645 - 42.7915 (3)	TP44.3577x33.3474x0.4375	35.64	1037.57	0.034	2.36	3868.57	0.001
L4	42.7915 - 0 (4)	TP53x42.1375x0.5	36.33	1211.08	0.030	2.35	4506.15	0.001

Pole Interaction Design Data

Section No.	Elevation	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
	ft								
L1	179.813 - 132.966 (1)	0.010	0.989	0.000	0.065	0.000	1.004	1.050	4.8.2
L2	132.966 - 87.3645 (2)	0.011	0.977	0.000	0.046	0.001	0.990	1.050	4.8.2
L3	87.3645 - 42.7915 (3)	0.012	0.917	0.000	0.034	0.001	0.931	1.050	4.8.2

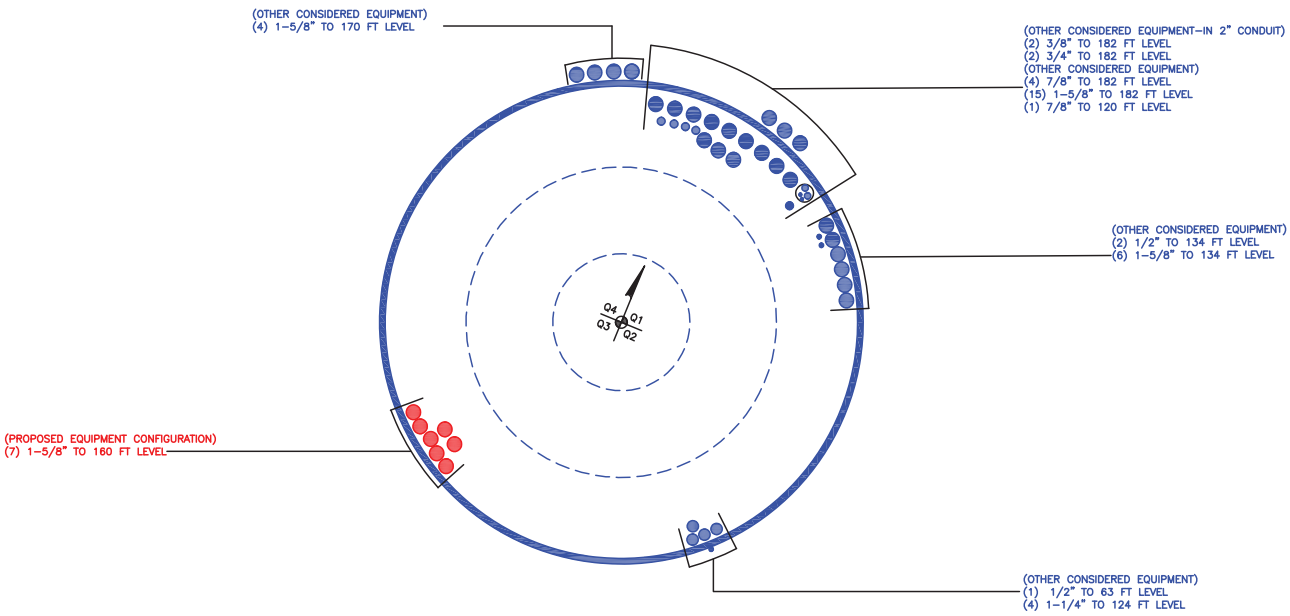
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L4	42.7915 - 0 (4)	0.011	0.833	0.000	0.030	0.001	0.845	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	179.813 - 132.966	Pole	TP25.5375x15x0.25	1	-11.86	1192.04	95.6	Pass
L2	132.966 - 87.3645	Pole	TP35.1887x24.2069x0.375	2	-26.73	2465.48	94.3	Pass
L3	87.3645 - 42.7915	Pole	TP44.3577x33.3474x0.4375	3	-41.21	3631.49	88.6	Pass
L4	42.7915 - 0	Pole	TP53x42.1375x0.5	4	-44.88	4189.94	80.5	Pass
							Summary	
						Pole (L1)	95.6	Pass
						RATING =	**95.6**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 841293 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

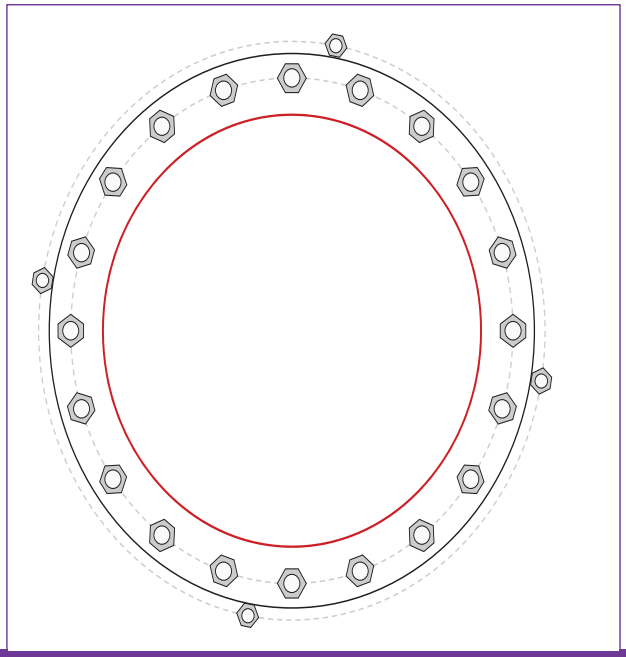
Monopole Base Plate Connection

Site Info	
BU #	841293
Site Name	NT-BULLS BRIDGE RO/
Order #	618002 Rev. 0

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

Applied Loads	
Moment (kip-ft)	5305.08
Axial Force (kips)	61.86
Shear Force (kips)	37.97

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (20) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 62" BC
GROUP 2: (4) 1-3/4" ø bolts (F1554-105 N; Fy=105 ksi, Fu=125 ksi) on 71" BC

Base Plate Data

68" OD x 2.25" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

53" x 0.5" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

GROUP 1:		
Pu_t = 174.87	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.9	ϕVn = 149.1	**68.3%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_t = 119.15	ϕPn_t = 178.13	**Stress Rating**
Vu = 0	ϕVn = 112.75	**63.7%**
Mu = 0	ϕMn = 84.41	**Pass**

Base Plate Summary

Max Stress (ksi):	45.26	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**79.8%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

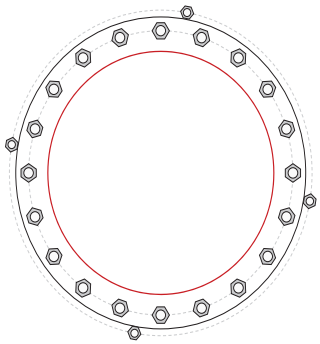
note: Bending interaction not considered when Grout Considered = "Yes"

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	0	2.25	A615-75	62	0.5	0.8125	N-Included		No
2	1	18	2.25	A615-75	62	0.5	0.8125	N-Included		No
3	1	36	2.25	A615-75	62	0.5	0.8125	N-Included		No
4	1	54	2.25	A615-75	62	0.5	0.8125	N-Included		No
5	1	72	2.25	A615-75	62	0.5	0.8125	N-Included		No
6	1	90	2.25	A615-75	62	0.5	0.8125	N-Included		No
7	1	108	2.25	A615-75	62	0.5	0.8125	N-Included		No
8	1	126	2.25	A615-75	62	0.5	0.8125	N-Included		No
9	1	144	2.25	A615-75	62	0.5	0.8125	N-Included		No
10	1	162	2.25	A615-75	62	0.5	0.8125	N-Included		No
11	1	180	2.25	A615-75	62	0.5	0.8125	N-Included		No
12	1	198	2.25	A615-75	62	0.5	0.8125	N-Included		No
13	1	216	2.25	A615-75	62	0.5	0.8125	N-Included		No
14	1	234	2.25	A615-75	62	0.5	0.8125	N-Included		No
15	1	252	2.25	A615-75	62	0.5	0.8125	N-Included		No
16	1	270	2.25	A615-75	62	0.5	0.8125	N-Included		No
17	1	288	2.25	A615-75	62	0.5	0.8125	N-Included		No
18	1	306	2.25	A615-75	62	0.5	0.8125	N-Included		No
19	1	324	2.25	A615-75	62	0.5	0.8125	N-Included		No
20	1	342	2.25	A615-75	62	0.5	0.8125	N-Included		No
21	2	80	1.75	F1554-105	71	0.5	2.75	N-Included		No
22	2	170	1.75	F1554-105	71	0.5	2.75	N-Included		No
23	2	260	1.75	F1554-105	71	0.5	2.75	N-Included		No
24	2	350	1.75	F1554-105	71	0.5	2.75	N-Included		No

Plot Graphic



Drilled Pier Foundation

BU # :	841293
Site Name:	KENT-BULLS BRIDGE ROA
Order Number:	618002 Rev. 0
TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	5305.08	
Axial Force (kips)	61.9	
Shear Force (kips)	37.91	

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

Pier Design Data		
Depth	19	ft
Ext. Above Grade	1	ft
Pier Section 1		
From 1' above grade to 19' below grade		
Pier Diameter	7.5	ft
Rebar Quantity	42	
Rebar Size	11	
Clear Cover to Ties	5.75	in
Tie Size	5	
Tie Spacing		in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	5.62	-
Soil Safety Factor	1.30	-
Max Moment (kip-ft)	5699.33	-
Rating*	*97.4%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	0.00	-
End Bearing (kips)	1062.06	-
Weight of Concrete (kips)	129.27	-
Total Capacity (kips)	1062.06	-
Axial (kips)	191.17	-
Rating*	*17.1%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	5.48	-
Critical Moment (kip-ft)	5698.88	-
Critical Moment Capacity	10189.13	-
Rating*	*53.3%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	14.96	-
Critical Shear (kip)	822.51	-
Critical Shear Capacity	828.93	-
Rating*	*94.5%*	-

Shear-Friction Methodology is Applied

Structural Foundation Rating*	**94.5%**
Soil Interaction Rating*	**97.4%**

*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	10	# of Layers	6

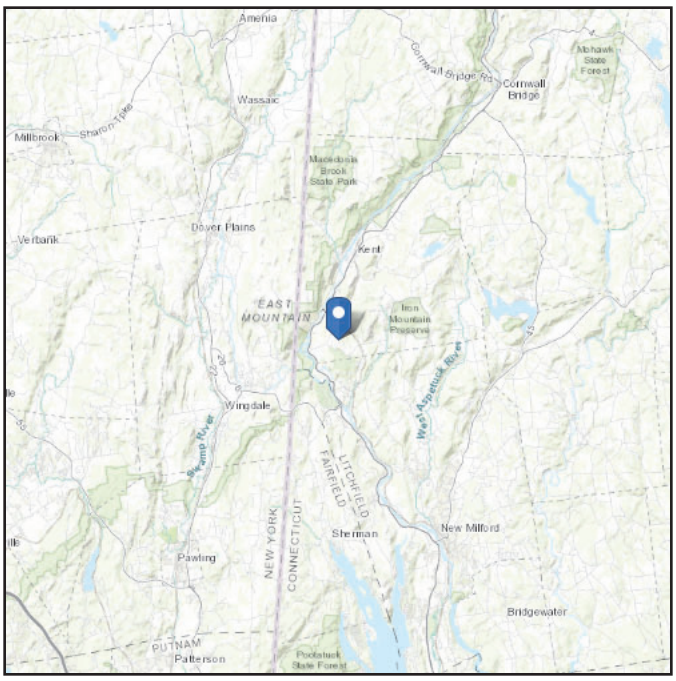
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	130	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3	3.75	0.75	135	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.75	10	6.25	135	150	0	40	0.000	0.000	0.00	0.00			Cohesionless
4	10	14	4	72.6	87.6	0	40	0.000	0.000	0.00	0.00			Cohesionless
5	14	18	4	82.6	87.6	0	42	0.000	0.000	0.00	0.00			Cohesionless
6	18	19	1	97.6	87.6	0	44	0.000	0.000	0.00	0.00	30		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 780.6 ft (NAVD 88)
Latitude: 41.681625
Longitude: -73.486611



Wind

Results:

Wind Speed	114 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	89 Vmph
100-year MRI	95 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: Tue May 17 2022

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 not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

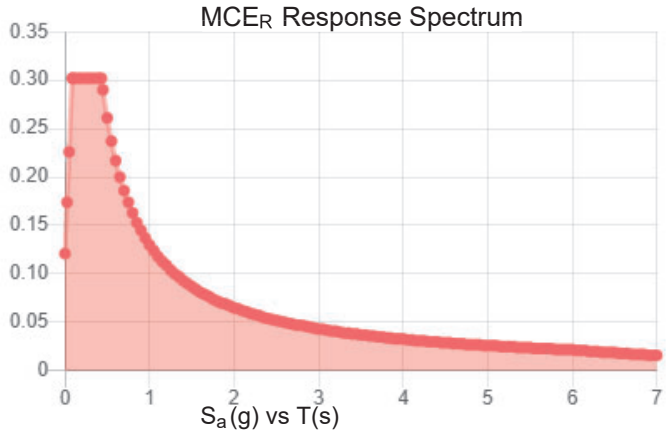
Seismic

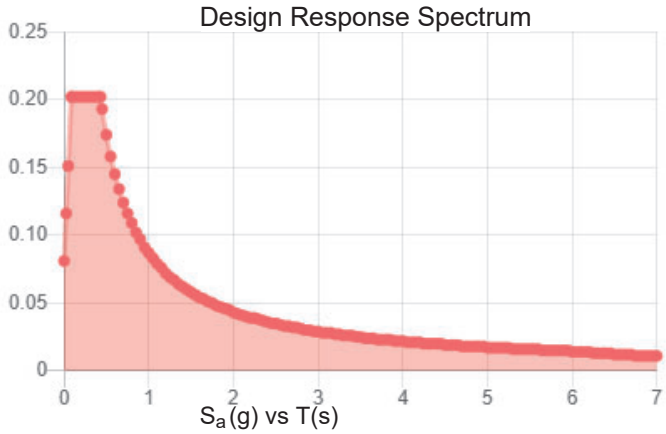
Site Soil Class: D - Default (see Section 11.4.3)

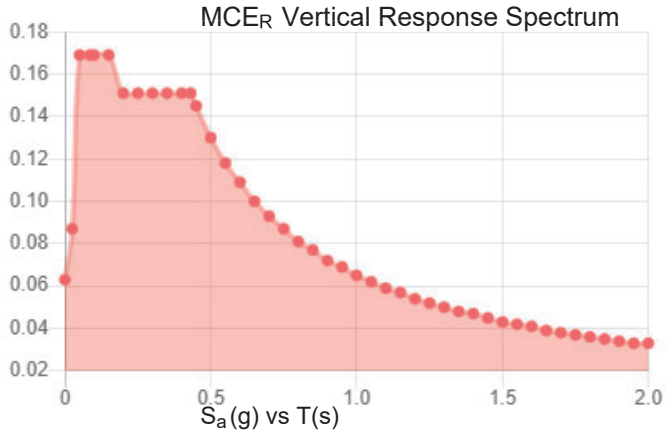
Results:

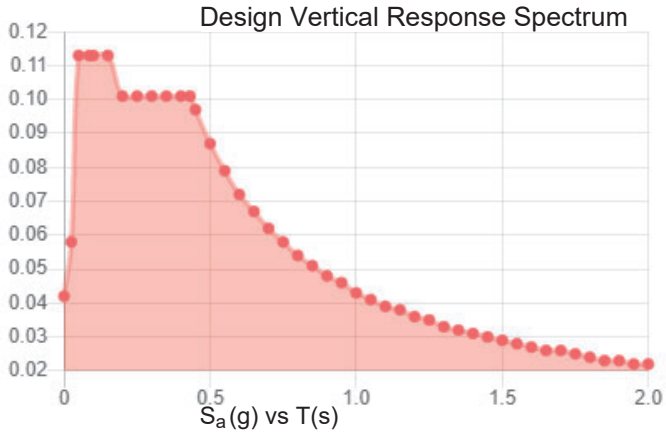
S_S :	0.189	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.103
F_v :	2.4	PGA_M :	0.165
S_{MS} :	0.302	F_{PGA} :	1.593
S_{M1} :	0.13	I_e :	1
S_{DS} :	0.202	C_v :	0.7

Seismic Design Category B









Data Accessed: **Tue May 17 2022**

Date Source:

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	40 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Tue May 17 2022

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

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10151899
Maser Consulting Connecticut Project #: 21777998A

June 13, 2022

Site Information	*Site ID:*	*467227-VZW / KENT S CT*
	Site Name:	*KENT S CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*40 Bulls Bridge Road* *Kent, Connecticut 06757* *Litchfield County*
	Latitude:	*41.681583°*
	Longitude:	*-73.486556°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*10.83-Ft Platform*

FUZE ID # 16271957

Analysis Results

Platform: **87.6% Pass w/ Modifications***

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

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

Report Prepared By: Nathan LaPorte

Digitally signed by Derek Hartzell
Date: 2022.06.13 15:36:22-07'00'

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: 324168, dated October 12, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 467227, dated May 29, 2021*
Previous Mount Analysis	*Maser Consulting Project #: 21777998A (Rev. 2), dated June 3, 2022*
Mount Modification Drawings	*Colliers Engineering & Design Project #: 21777998A, dated June 13, 2022*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	114 mph
	Ice Wind Speed (3-sec. Gust):	40 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.972
Seismic Parameters:	S_S:	0.189
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
159.00	160.00	1	Raycap	RVZDC-6627-PF-48	Added
		6	JMA Wireless	MX06FRO660-03	
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Amphenol Antel	LPA-80080-6CF-5	Retained

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

Model Number	Ports	AKA
RVZDC-6627-PF-48	12	OVP-12
DB-B1-6C-24AB-0Z	6	OVP-6

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Support Rail Corner	16.8%	Pass
Support Rail	15.3%	Pass
Mount Pipe	33.5%	Pass
Replacement Pipe	25.5%	Pass
Corner Plate	2.6%	Pass
Ladder Rung	4.2%	Pass
Ladder	17.2%	Pass
Standoff Horizontal	31.4%	Pass
Face Horizontal	44.9%	Pass
Mount Connection	87.6%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**87.6%**

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	28.6	27.6	49.0	48.0
0.5	34.6	33.9	63.5	62.0
1	40.5	39.6	77.7	75.9

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

Requirements:

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

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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PSLC #: 467227 SMART Project #: 10151899 Fuze Project ID: 16271957

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

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

Base Requirements:

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

Photo Requirements:

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

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

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

Material Certification:

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

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

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

OR

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

Antenna & Equipment Placement and Geometry Confirmation:

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

OR

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

Comments:

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

☐ Yes ☐ No

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

Issue:

Response:

Special Instruction Confirmation:

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Comments:

Certifying Individual:

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

Replace this page with antenna placement diagrams.

Structure: 467227-VZW - KENT S CT

Sector: **A**

Structure Type: Monopole

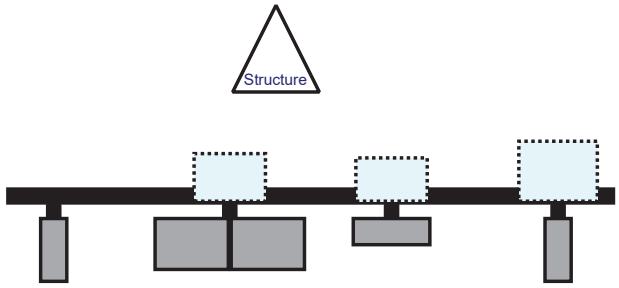
Mount Elev: 159.00

10151899

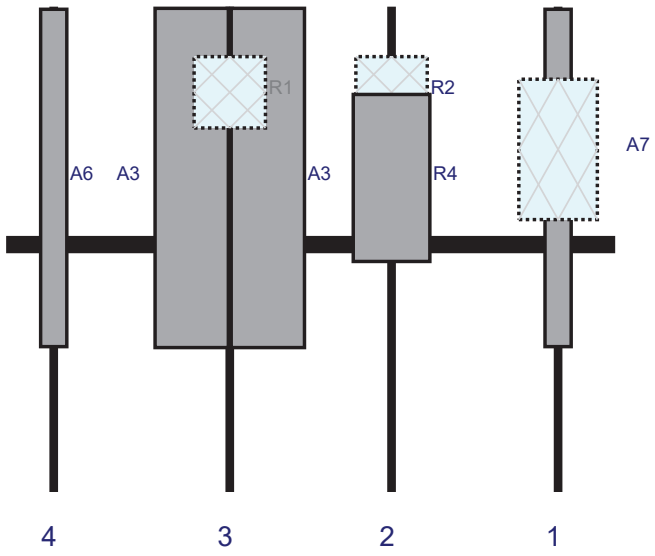
6/9/2022

Page: 1

Plan View

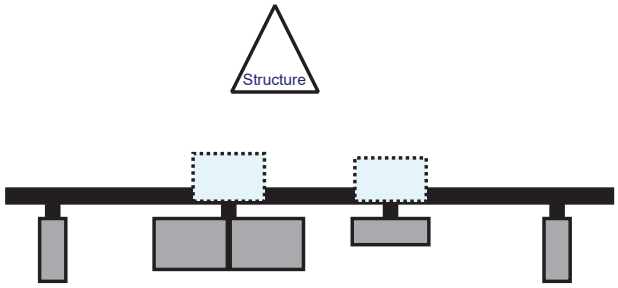


Front View - Looking at Structure

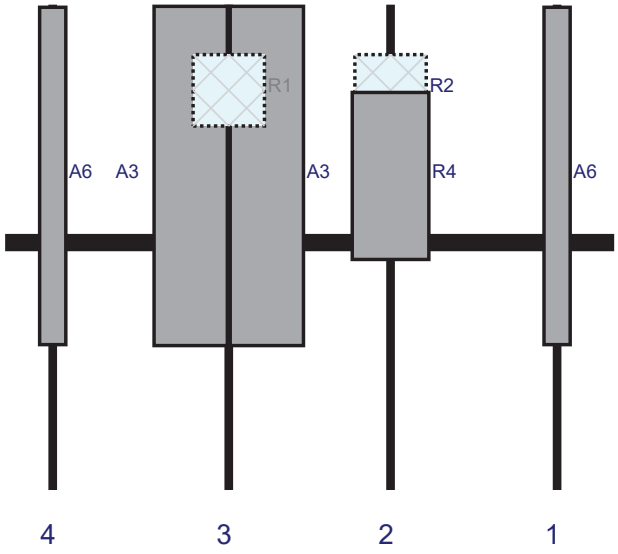


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80080-6CF-5	70.9	5.5	116	1	a	Front	36	0	Retained	
A7	RVZDC-6627-PF-48	29.5	16.5	116	1	a	Behind	30	0	Added	
R2	RF4440d-13A	15	15	81	2	a	Behind	18	0	Added	
R4	MT6407-77A	35.1	16.1	81	2	a	Front	36	0	Added	
A3	MX06FRO660-03	71.3	15.4	47	3	a	Front	36	8	Added	
A3	MX06FRO660-03	71.3	15.4	47	3	b	Front	36	-8	Added	
R1	RF4439d-25A	15	15	47	3	a	Behind	18	0	Added	
A6	LPA-80080-6CF-5	70.9	5.5	10	4	a	Front	36	0	Retained	

Plan View

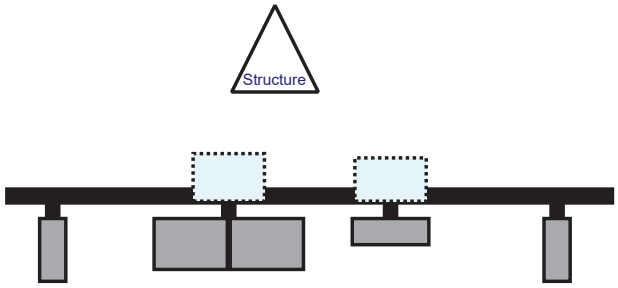


Front View - Looking at Structure

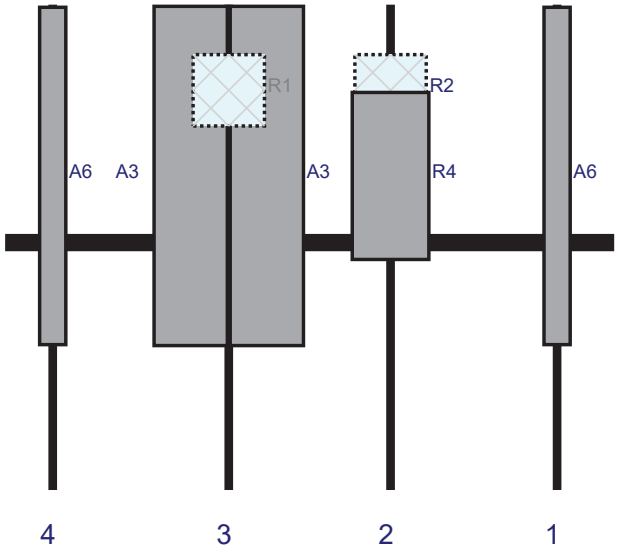


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80080-6CF-5	70.9	5.5	116	1	a	Front	36	0	Retained	
R2	RF4440d-13A	15	15	81	2	a	Behind	18	0	Added	
R4	MT6407-77A	35.1	16.1	81	2	a	Front	36	0	Added	
A3	MX06FRO660-03	71.3	15.4	47	3	a	Front	36	8	Added	
A3	MX06FRO660-03	71.3	15.4	47	3	b	Front	36	-8	Added	
R1	RF4439d-25A	15	15	47	3	a	Behind	18	0	Added	
A6	LPA-80080-6CF-5	70.9	5.5	10	4	a	Front	36	0	Retained	

Plan View



Front View - Looking at Structure



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A6	LPA-80080-6CF-5	70.9	5.5	116	1	a	Front	36	0	Retained	
R2	RF4440d-13A	15	15	81	2	a	Behind	18	0	Added	
R4	MT6407-77A	35.1	16.1	81	2	a	Front	36	0	Added	
A3	MX06FRO660-03	71.3	15.4	47	3	a	Front	36	8	Added	
A3	MX06FRO660-03	71.3	15.4	47	3	b	Front	36	-8	Added	
R1	RF4439d-25A	15	15	47	3	a	Behind	18	0	Added	
A6	LPA-80080-6CF-5	70.9	5.5	10	4	a	Front	36	0	Retained	

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 10.83' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 841293

CARRIER SITE NAME: KENT S CT
CARRIER SITE NUMBER: 467227
FUZE ID: 16271957

40 BULLS BRIDGE ROAD
KENT, CONNECTICUT 06757
LITCHFIELD COUNTY

LATITUDE: 41.681583° N
LONGITUDE: 73.486556° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 114 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 776.16'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 40 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_s = .189
LONG TERM MCER GROUND MOTION, S_1 = .054

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10151899
VZW LOCATION CODE (PSLC): 467227
ANALYSIS DATE: 6/13/2022

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

Colliers Engineering & Design
www.colliersengineering.com

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SCALE:	JOB NUMBER:
AS SHOWN	21777998A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	06/13/22	ISSUED FOR CONSTRUCTION	NL	DH

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

SITE NAME:

KENT S CT
467227

40 BULLS BRIDGE ROAD
KENT, CONNECTICUT 06757
LITCHFIELD COUNTY

STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
12	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE		14	168
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
3		VZWSMART-P40-278X120	120" LONG, PIPE 2.5 SCH40 (2.875"OD X 0.203" THK)		58	174
				-		
				-		
				-		
				-		
				-		
				-		

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	102" LONG, P2 1/2 STD	GALVANIZED	50	150
3	-	-	24" LONG, L3X3x1/4	GALVANIZED	9	27
6	-	-	1/2" DIA. J429 GR. 2 U-BOLTS	-		
					TOTAL:	609

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.

2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

Colliers Engineering & Design
www.colliersengineering.com

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verizon

SCALE: AS SHOWN
JOB NUMBER: 21777998A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	06/13/22	ISSUED FOR CONSTRUCTION	NL	DH

SITE NAME:
KENT S CT
467227
40 BULLS BRIDGE ROAD
KENT, CONNECTICUT 06757
LITCHFIELD COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. 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/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

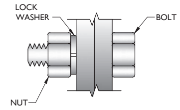
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

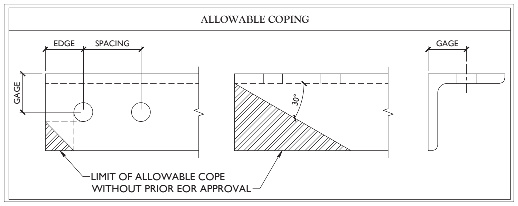


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

ALLOWABLE COPING



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467227

40 BULLS BRIDGE ROAD
KENT, CONNECTICUT 06757
LITCHFIELD COUNTY

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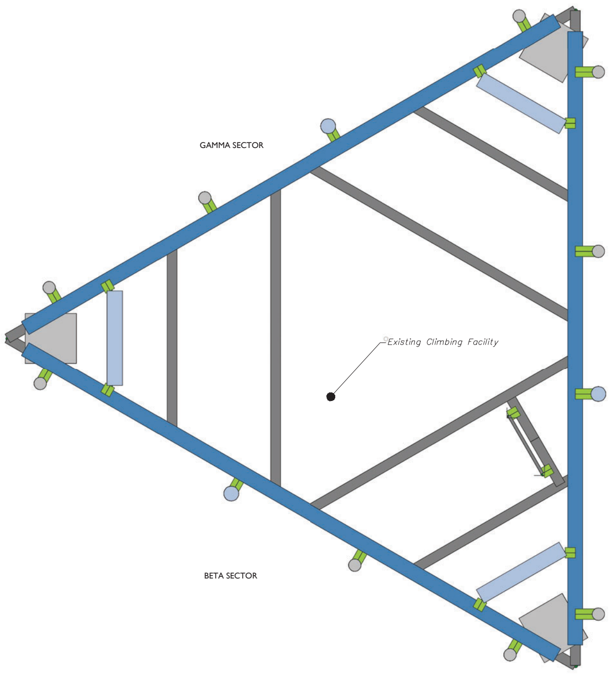
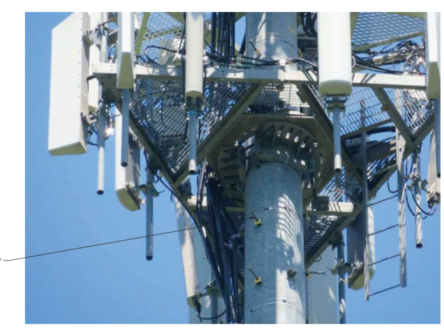
SHEET TITLE : MODIFICATION NOTES

SHEET NUMBER : SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.



CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC ON 5/29/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (159'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

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SHEET TITLE : CLIMBING FACILITY DETAIL

SHEET NUMBER : SCF-1

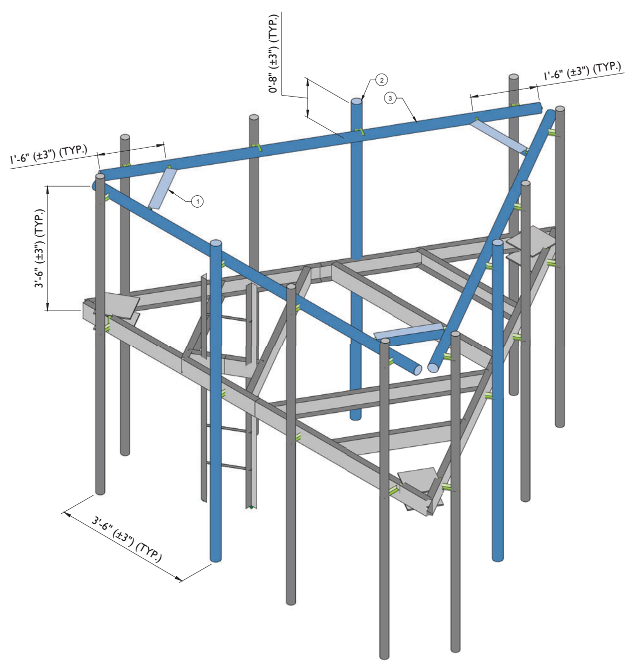
LEGEND:

- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE				
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	159'-0"	3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH 24" LONG L3X3X1/4 ANGLE	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
2		3	102" LONG, P2 1/2 STD MOUNT PIPE	CONNECT TO PROPOSED SUPPORT RAIL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1). CONNECT TO EXISTING LOWER FACE HORIZONTAL USING (2) 1/2" DIA. U-BOLTS UTILIZING EXISTING PREDRILLED HOLES IN FACE MEMBERS.
3		3	120" LONG, P2 1/2 STD SUPPORT RAIL (PART #: VZWSMART-P40-278X120)	RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING AND PROPOSED VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).

NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.

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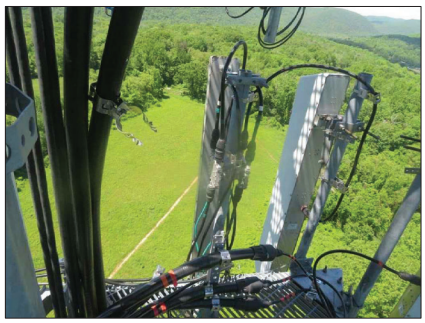
SHEET TITLE : MODIFICATION DETAILS

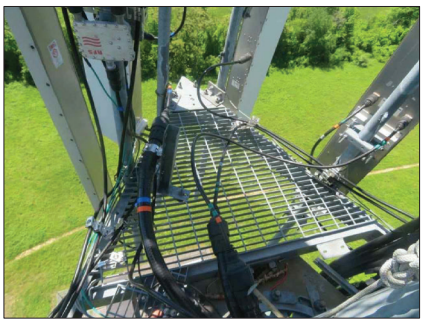
SHEET NUMBER : SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4

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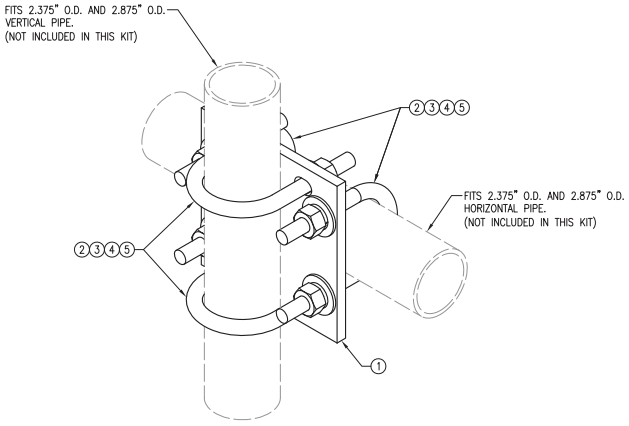
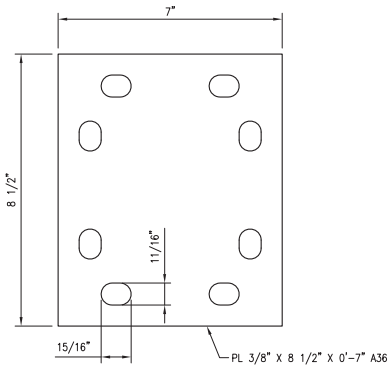
SHEET TITLE:

MOUNT PHOTOS

SHEET NUMBER:

SS-2





PL375-857

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK1 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

VzW SMART Tool© Vendor

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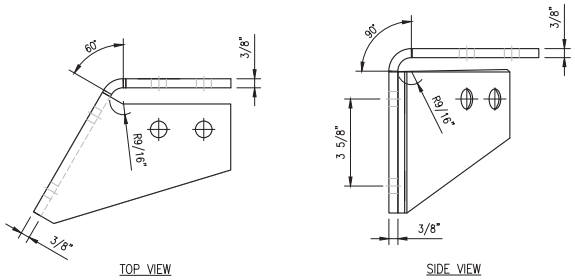
DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

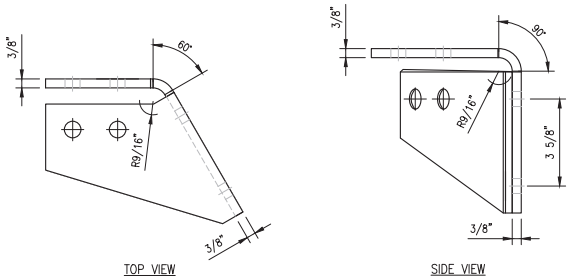
SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1 | REV #: 0



CBP–L



CBP–R

NOTES:
1. HOT–DIPPED GALVANIZED PER ASTM A123.

VZWSMART–PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP–L	CORNER BENT PLATE BRACKET	PLK3–F1	9
2	1	CBP–R	CORNER BENT PLATE BRACKET	PLK3–F1	9
3	4	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW–625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW–625	5/8" HDG LOCK WASHER	---	0
7	16	NUT–625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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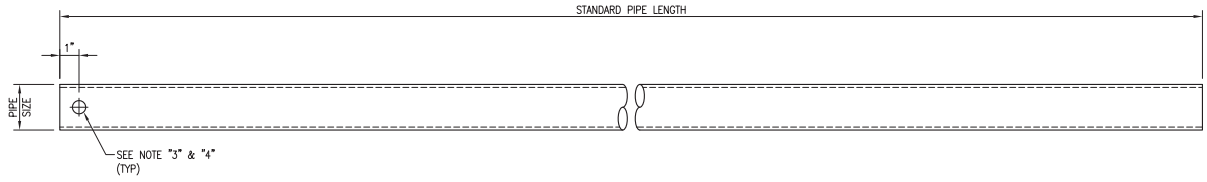
verizon

DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART–PLK3 SUPPORT RAIL CORNER BRACKET

SHEET NUMBER: VZWSMART–PLK3 | REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

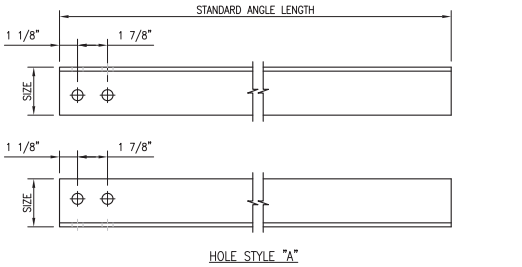
verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

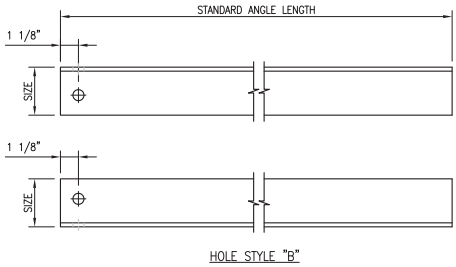
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	08/04/21

SHEET TITLE:
VZWSMART STANDARD PIPE

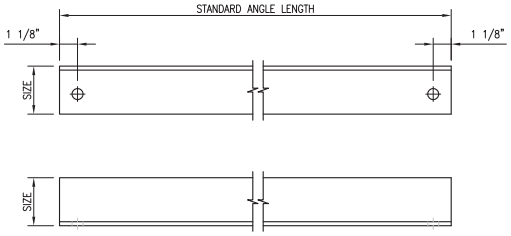
SHEET NUMBER: VZWSMART-PIPE | REV #: 0



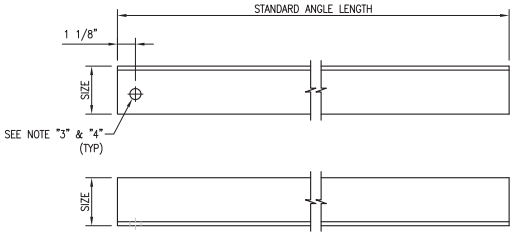
HOLE STYLE "A"



HOLE STYLE "B"



HOLE STYLE "C"



HOLE STYLE "D"

VZWSMART Standard Angle					
VZWSMART Number	Size	Length	Hole Style	Hole Gage	Also Used In:
A-PLK2-01	L 3" X 3" X 1/4"	96"	A	1-3/4"	VZWSMART-PLK2
A-PLK5-01	L 3"X 3" X 3/16"	96"	B	1-3/4"	VZWSMART-PLK5
A-SFK3-01	L 2-1/2" X 2-1/2" X 1/4"	96"	C	1-3/8"	VZWSMART-SFK3,-SFK3-SL, -PLK6, & -PLK8
A-L25X25X4X120	L 2-1/2" X 2-1/2" X 1/4"	120"	D	1-5/16"	
A-L25X25X4X240	L 2-1/2" X 2-1/2" X 1/4"	240"	D	1-5/16"	
A-L30X30X4X120	L 3" X 3" X 1/4"	120"	D	1-1/2"	
A-L30X30X4X240	L 3" X 3" X 1/4"	240"	D	1-1/2"	
A-L40X40X4X120	L 4" X 4" X 1/4"	120"	D	2"	
A-L40X40X4X240	L 4" X 4" X 1/4"	240"	D	2"	
A-L50X30X6X120	L 5" X 3" X 3/8"	120"	D	2-1/2"	
A-L50X50X6X120	L 5" X 5" X 3/8"	120"	D	2-1/2"	

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION ANGLES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL ANGLE GRADE A36 OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	08/04/21

SHEET TITLE:
VZWSMART STANDARD ANGLE

SHEET NUMBER: VZWSMART-ANGLE | REV #: 0

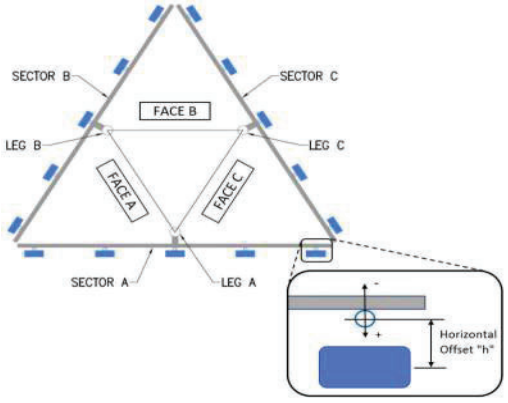
V4.0 Updated on 3-31-2021

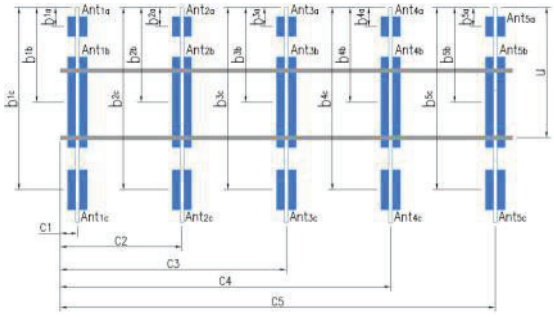
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN	**Mapping Date:**	5/29/2021
Site Name:	KENT S CT	**Tower Type:**	Monopole
Site Number or ID:	467227	**Tower Height (Ft.):**	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	162

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 102" LONG	50.00	12.00	C1	2" STD. PIPE X 102" LONG	50.00	12.00
A2	2" STD. PIPE X 102" LONG	50.00	47.00	C2	2" STD. PIPE X 102" LONG	50.00	47.00
A3	2" STD. PIPE X 102" LONG	50.00	95.00	C3	2" STD. PIPE X 102" LONG	50.00	95.00
A4	2" STD. PIPE X 102" LONG	50.00	118.00	C4	2" STD. PIPE X 102" LONG	50.00	118.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 102" LONG	50.00	12.00	D1			
B2	2" STD. PIPE X 102" LONG	50.00	47.00	D2			
B3	2" STD. PIPE X 102" LONG	50.00	95.00	D3			
B4	2" STD. PIPE X 102" LONG	50.00	118.00	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.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

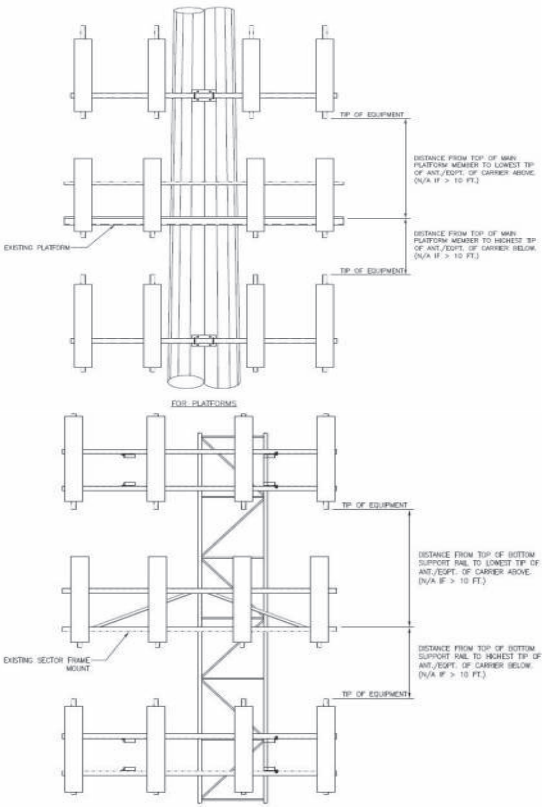
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	18.8
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			

	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-80080-6CF-EDIN-	6.00	13.00	71.00		163.25	35.00	15.00	330.00	37,38
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN-	12.00	6.00	71.00		163.333	34.00	9.00	330.00	37,39
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085--12BF-ED	6.00	4.00	72.00		163.167	36.00	12.50	330.00	37,40
Ant_{3c}	RFS	6.50	1.50	4.50		166.167				146,147
Ant_{4a}										
Ant_{4b}	LPA-80080-6CF-EDIN-	6.00	13.00	71.00		163.167	36.00	15.00	330.00	37,40
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

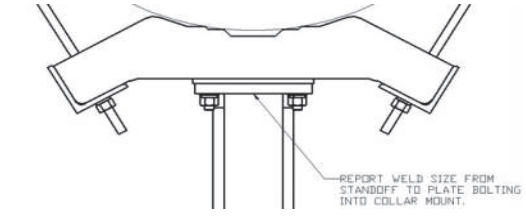
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	330.00	Deg	Leg A:		Deg
Sector B:	90.00	Deg	Leg B:		Deg
Sector C:	210.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	190.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was obstructed.
	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-80080-6CF-EDIN-	6.00	13.00	71.00		163.25	35.00	15.00	90.00	44,45
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN-	12.00	6.00	71.00		163.333	34.00	12.50	90.00	44,46
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085--12BF-ED	6.00	4.00	72.00		163.167	36.00	12.50	90.00	44,47
Ant_{3c}	RFS	6.50	1.50	4.50		166.167				148,149
Ant_{4a}										
Ant_{4b}	LPA-80080-6CF-EDIN-	6.00	13.00	71.00		163.167	36.00	15.00	90.00	44,47
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-80080-6CF-EDIN-	6.00	13.00	71.00		163.25	35.00	15.00	210.00	53,54
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN-	12.00	6.00	71.00		163.333	34.00	9.00	210.00	53,55
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085--12BF-ED	6.00	4.00	72.00		163.167	36.00	12.50	210.00	53,56
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-6CF-EDIN-	6.00	13.00	71.00		163.167	36.00	15.00	210.00	53,56
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.

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

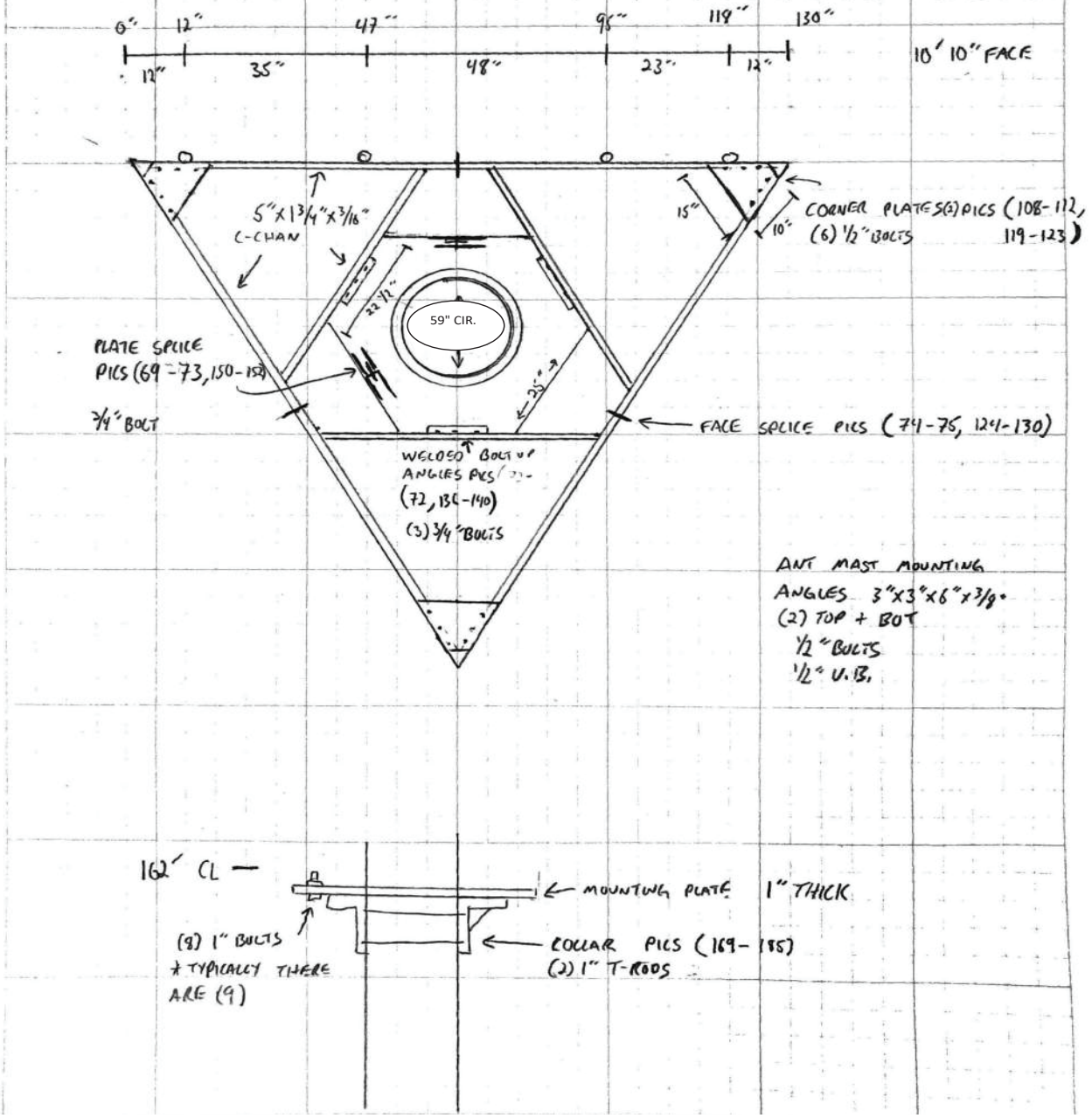
FCC #

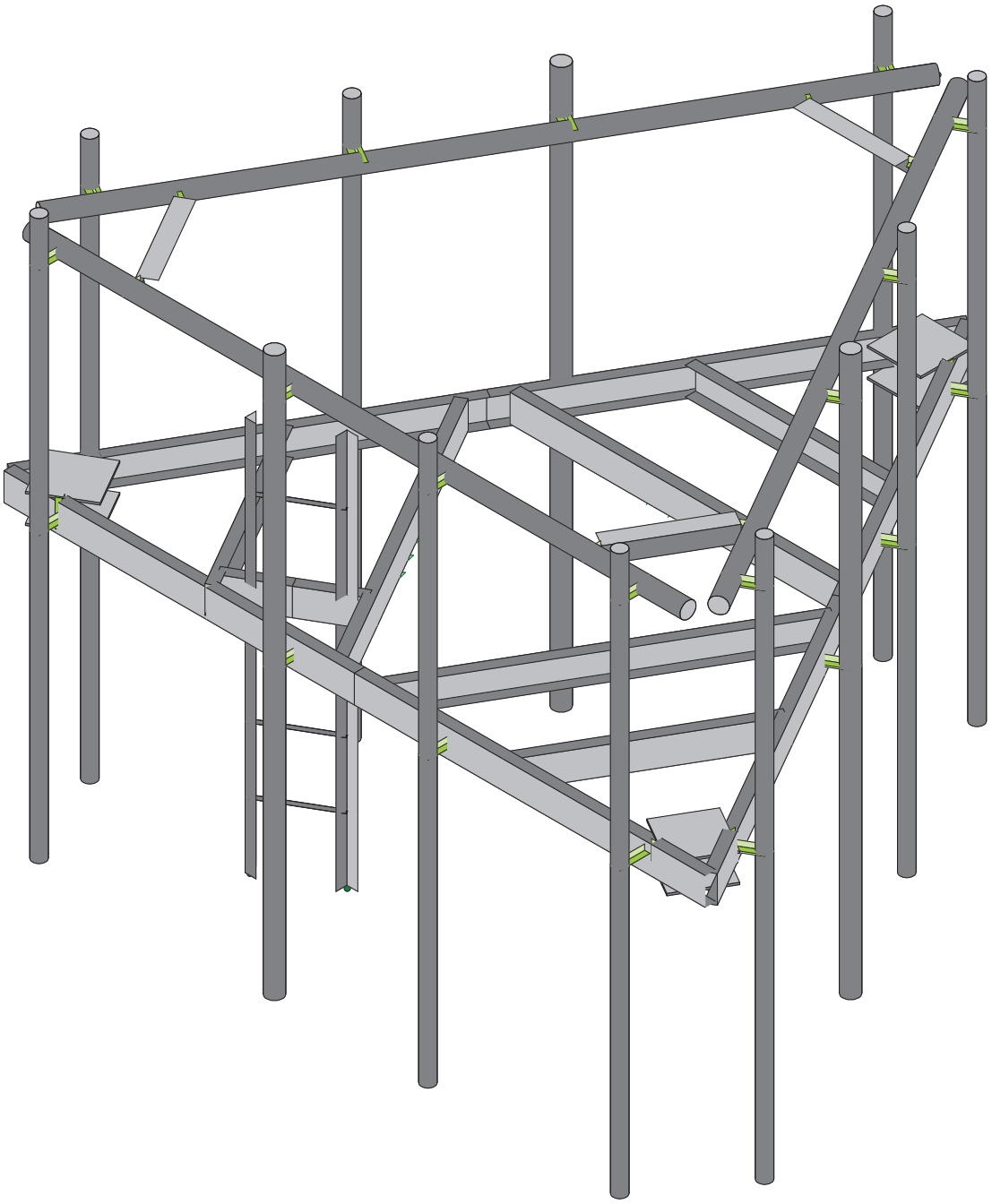
Tower Owner:	CROWN	**Mapping Date:**	5/29/2021
Site Name:	KENT S CT	**Tower Type:**	Monopole
Site Number or ID:	467227	**Tower Height (Ft.):**	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	162

Please Insert Sketches of the Antenna Mount

DATE: 05292021
Project Name:
Project No.: KENT S CT
Design By: [illegible] Chk'd By: Page 2 of 2

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





Envelope Only Solution

Maser Consulting	Mount Fix	SK - 1
NL		June 8, 2022 at 11:25 AM
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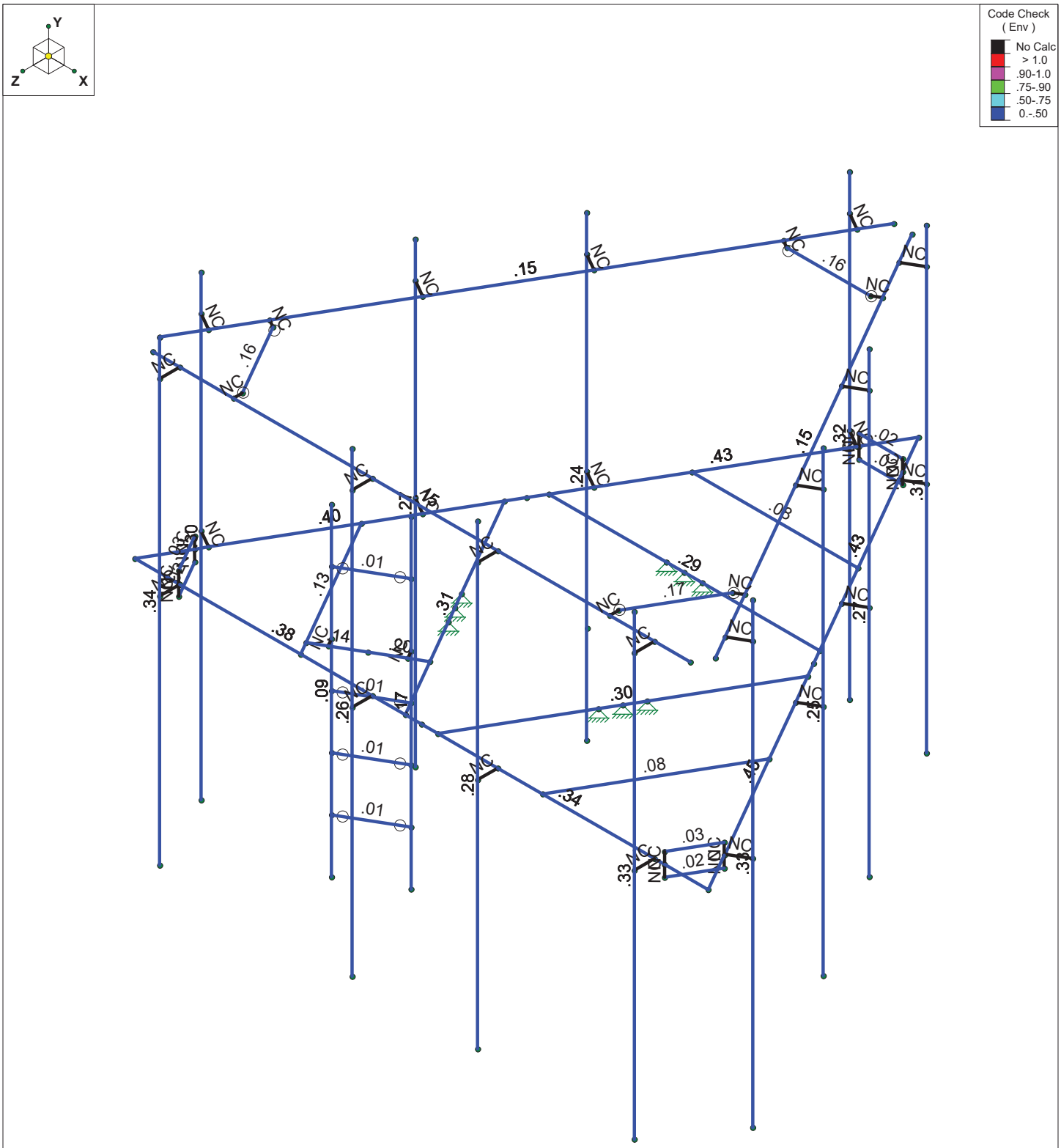

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 2
NL		June 8, 2022 at 11:26 AM
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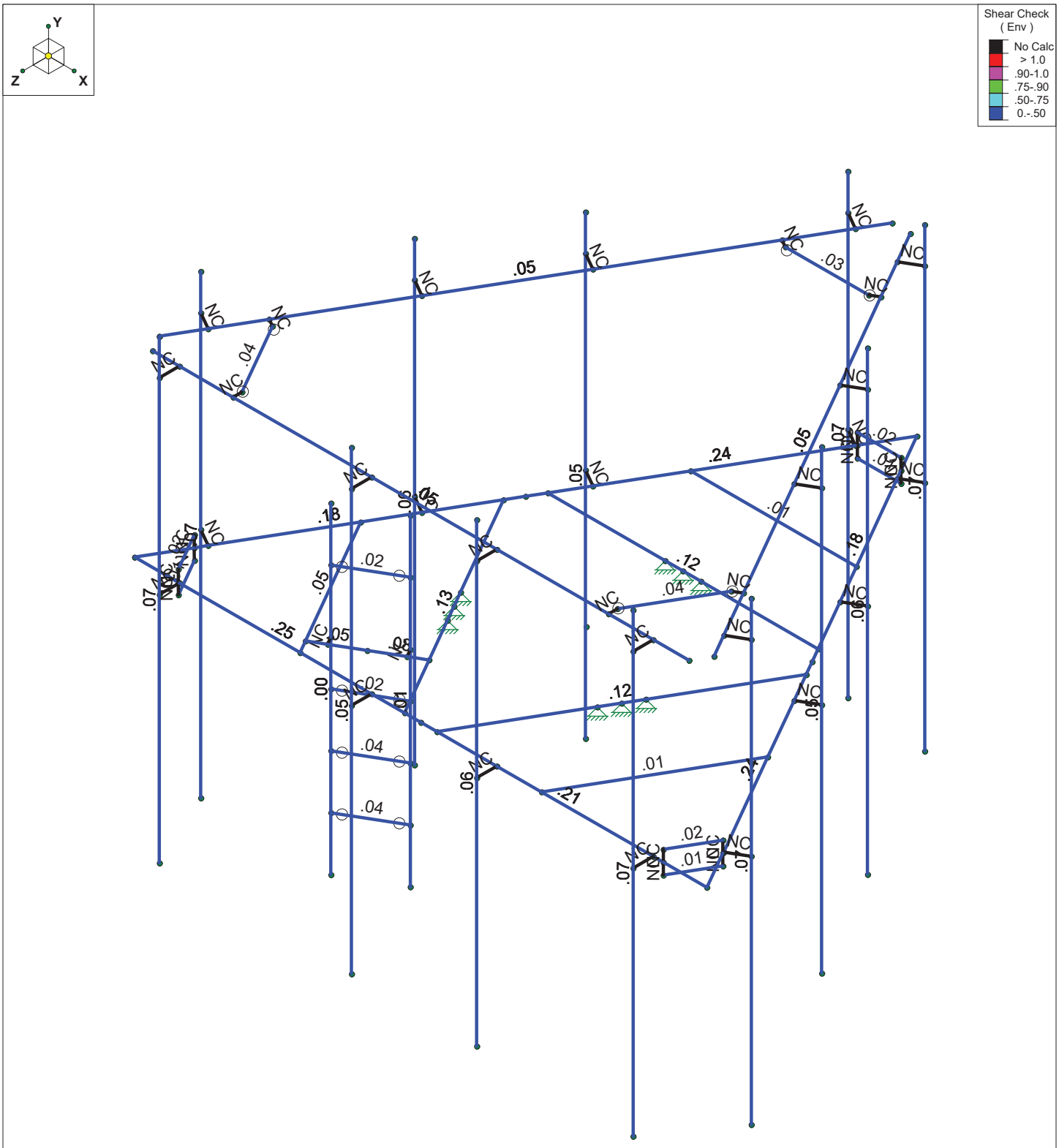


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 3
NL		June 8, 2022 at 11:26 AM
21777998A		467227-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M...	Surfac...
1	Antenna D	None					111			
2	Antenna Di	None					111			
3	Antenna Wo (0 Deg)	None					111			
4	Antenna Wo (30 Deg)	None					111			
5	Antenna Wo (60 Deg)	None					111			
6	Antenna Wo (90 Deg)	None					111			
7	Antenna Wo (120 Deg)	None					111			
8	Antenna Wo (150 Deg)	None					111			
9	Antenna Wo (180 Deg)	None					111			
10	Antenna Wo (210 Deg)	None					111			
11	Antenna Wo (240 Deg)	None					111			
12	Antenna Wo (270 Deg)	None					111			
13	Antenna Wo (300 Deg)	None					111			
14	Antenna Wo (330 Deg)	None					111			
15	Antenna Wi (0 Deg)	None					111			
16	Antenna Wi (30 Deg)	None					111			
17	Antenna Wi (60 Deg)	None					111			
18	Antenna Wi (90 Deg)	None					111			
19	Antenna Wi (120 Deg)	None					111			
20	Antenna Wi (150 Deg)	None					111			
21	Antenna Wi (180 Deg)	None					111			
22	Antenna Wi (210 Deg)	None					111			
23	Antenna Wi (240 Deg)	None					111			
24	Antenna Wi (270 Deg)	None					111			
25	Antenna Wi (300 Deg)	None					111			
26	Antenna Wi (330 Deg)	None					111			
27	Antenna Wm (0 Deg)	None					111			
28	Antenna Wm (30 Deg)	None					111			
29	Antenna Wm (60 Deg)	None					111			
30	Antenna Wm (90 Deg)	None					111			
31	Antenna Wm (120 Deg)	None					111			
32	Antenna Wm (150 Deg)	None					111			
33	Antenna Wm (180 Deg)	None					111			
34	Antenna Wm (210 Deg)	None					111			
35	Antenna Wm (240 Deg)	None					111			
36	Antenna Wm (270 Deg)	None					111			
37	Antenna Wm (300 Deg)	None					111			
38	Antenna Wm (330 Deg)	None					111			
39	Structure D	None		-1					3	
40	Structure Di	None						44	3	
41	Structure Wo (0 Deg)	None						88		
42	Structure Wo (30 Deg)	None						88		
43	Structure Wo (60 Deg)	None						88		
44	Structure Wo (90 Deg)	None						88		
45	Structure Wo (120 Deg)	None						88		
46	Structure Wo (150 Deg)	None						88		
47	Structure Wo (180 Deg)	None						88		
48	Structure Wo (210 Deg)	None						88		
49	Structure Wo (240 Deg)	None						88		
50	Structure Wo (270 Deg)	None						88		
51	Structure Wo (300 Deg)	None						88		
52	Structure Wo (330 Deg)	None						88		
53	Structure Wi (0 Deg)	None						88		
54	Structure Wi (30 Deg)	None						88		
55	Structure Wi (60 Deg)	None						88		
56	Structure Wi (90 Deg)	None						88		

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M...	Surfac...
57	Structure Wi (120 Deg)	None						88		
58	Structure Wi (150 Deg)	None						88		
59	Structure Wi (180 Deg)	None						88		
60	Structure Wi (210 Deg)	None						88		
61	Structure Wi (240 Deg)	None						88		
62	Structure Wi (270 Deg)	None						88		
63	Structure Wi (300 Deg)	None						88		
64	Structure Wi (330 Deg)	None						88		
65	Structure Wm (0 Deg)	None						88		
66	Structure Wm (30 Deg)	None						88		
67	Structure Wm (60 Deg)	None						88		
68	Structure Wm (90 Deg)	None						88		
69	Structure Wm (120 Deg)	None						88		
70	Structure Wm (150 Deg)	None						88		
71	Structure Wm (180 Deg)	None						88		
72	Structure Wm (210 Deg)	None						88		
73	Structure Wm (240 Deg)	None						88		
74	Structure Wm (270 Deg)	None						88		
75	Structure Wm (300 Deg)	None						88		
76	Structure Wm (330 Deg)	None						88		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					111			
82	Antenna Eh (0 Deg)	None					74			
83	Antenna Eh (90 Deg)	None					74			
84	Structure Ev	ELY		-.04					3	
85	Structure Eh (0 Deg)	ELZ			-.101				3	
86	Structure Eh (90 Deg)	ELX	.101						3	
87	BLC 39 Transient Area Loads	None						58		
88	BLC 40 Transient Area Loads	None						58		
89	BLC 84 Transient Area Loads	None						58		
90	BLC 85 Transient Area Loads	None						58		
91	BLC 86 Transient Area Loads	None						58		

Load Combinations

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (0 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (6...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (9...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
18	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (6...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (9...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
61	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866				
63	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 ...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (6...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (9...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
73	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866				

Load Combinations (Continued)

	Description	Solve P...	S...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
75	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N20A	-0.	0	-21.65	0	
3	N28	18.74945	0	10.825	0	
4	N32	0.	0	37.006724	0	
5	N33	64.	0	37.006724	0	
6	N34	-64.	0	37.006724	0	
7	N35	32.048763	0	-18.503362	0	
8	N36	0.048763	0	-73.928988	0	
9	N38	-32.048763	0	-18.503362	0	
10	N21	30.232051	0	-21.65	0	
11	N22A	-30.226514	0	-21.65	0	
12	N15	-33.862707	0	-15.351929	0	
13	N16	-3.633425	0	37.006724	0	
14	N17	3.633425	0	37.006724	0	
15	N18	33.862704	0	-15.351924	0	
16	N19	-18.74945	0	10.825	0	
17	N20	4.	0	-21.65	0	
18	N21A	-4.	0	-21.65	0	
19	N23	-20.74945	0	7.360898	0	
20	N24	-16.74945	0	14.289102	0	
21	N26	16.74945	0	14.289102	0	
22	N27	20.74945	0	7.360898	0	
23	N29	-11.136193	0	24.011548	0	
24	N24A	27	0	37.006724	0	
25	N25	-27	0	37.006724	0	
26	N27A	18.548763	0	-41.886048	0	
27	N28A	45.528191	0	4.914956	0	
28	N30	-45.528191	0	4.914956	0	
29	N31	-18.507619	0	-41.886048	0	
30	N31A	-28.661125	0	34.129572	0	
31	N31B	-19.898659	0	29.07056	0	
32	N32A	-14.269494	0	25.82056	0	
33	N33A	-25.527824	0	32.32056	0	
34	N34A	-15.269494	0	24.088509	0	
35	N35A	-26.527824	0	30.588509	0	
36	N36A	-15.269494	26.	24.088509	0	
37	N37	-26.527824	26.	30.588509	0	
38	N38A	-15.269494	-46.	24.088509	0	
39	N39	-26.527824	-46.	30.588509	0	
40	N40	-15.269494	14.	24.088509	0	
41	N42	-15.269494	-10.	24.088509	0	
42	N43	-15.269494	-22.	24.088509	0	
43	N44	-26.527824	14.	30.588509	0	
44	N46	-26.527824	-10.	30.588509	0	
45	N47	-26.527824	-22.	30.588509	0	
46	N46A	-15.269494	-34.	24.088509	0	
47	N47A	-26.527824	-34.	30.588509	0	
48	N50	-54.25	0	37.006724	0	
49	N49	54.25	2.5	37.006724	0	
50	N50A	59.132429	2.5	28.550109	0	
51	N51	4.923763	0	-65.48524	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
52	N52	-4.841094	0	-65.48524	0	
53	N53	-59.132429	0	28.550109	0	
54	N231A	54.25	-2.5	37.006724	0	
55	N232A	59.132429	-2.5	28.550109	0	
56	N233A	54.25	0	37.006724	0	
57	N234A	59.132429	0	28.550109	0	
58	N235A	4.923763	2.5	-65.48524	0	
59	N236A	-4.841094	2.5	-65.48524	0	
60	N237A	4.923763	-2.5	-65.48524	0	
61	N238A	-4.841094	-2.5	-65.48524	0	
62	N241A	-59.173763	2.5	28.478516	0	
63	N242A	-54.291334	2.5	36.935131	0	
64	N243A	-59.173763	-2.5	28.478516	0	
65	N244A	-54.291334	-2.5	36.935131	0	
66	N66	-54	0	37.006724	0	
67	N67	-11.	0	37.006724	0	
68	N68	17.	0	37.006724	0	
69	N69	52.	0	37.006724	0	
70	N70	-54	0	41.506724	0	
71	N71	-11.	0	41.506724	0	
72	N72	17.	0	41.506724	0	
73	N73	52.	0	41.506724	0	
74	N74	-54	50.	41.506724	0	
75	N75	-11.	50.	41.506724	0	
76	N76	17.	50.	41.506724	0	
77	N77	52.	50.	41.506724	0	
78	N78	-54	-52.	41.506724	0	
79	N79	-11.	-52.	41.506724	0	
80	N80	17.	-52.	41.506724	0	
81	N81	52.	-52.	41.506724	0	
82	N83	59.048763	0	28.26201	0	
83	N84	37.548763	0	-8.977074	0	
84	N85	23.548763	0	-33.225794	0	
85	N86	6.048763	0	-63.536683	0	
86	N87	62.945877	0	26.01201	0	
87	N88	41.445877	0	-11.227074	0	
88	N89	27.445877	0	-35.475794	0	
89	N90	9.945877	0	-65.786683	0	
90	N91	62.945877	50.	26.01201	0	
91	N92	41.445877	50.	-11.227074	0	
92	N93	27.445877	50.	-35.475794	0	
93	N94	9.945877	50.	-65.786683	0	
94	N95	62.945877	-52.	26.01201	0	
95	N96	41.445877	-52.	-11.227074	0	
96	N97	27.445877	-52.	-35.475794	0	
97	N98	9.945877	-52.	-65.786683	0	
98	N100	-5.048763	0	-65.268734	0	
99	N101	-26.548763	0	-28.02965	0	
100	N102	-40.548763	0	-3.78093	0	
101	N103	-58.048763	0	26.529959	0	
102	N104	-8.945877	0	-67.518734	0	
103	N105	-30.445877	0	-30.27965	0	
104	N106	-44.445877	0	-6.03093	0	
105	N107	-61.945877	0	24.279959	0	
106	N108	-8.945877	50.	-67.518734	0	
107	N109	-30.445877	50.	-30.27965	0	
108	N110	-44.445877	50.	-6.03093	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
109	N111	-61.945877	50.	24.279959	0	
110	N112	-8.945877	-52.	-67.518734	0	
111	N113	-30.445877	-52.	-30.27965	0	
112	N114	-44.445877	-52.	-6.03093	0	
113	N115	-61.945877	-52.	24.279959	0	
114	N115A	60.	42	37.006724	0	
115	N116	-54	42	37.006724	0	
116	N117	-11.	42	37.006724	0	
117	N118	17.	42	37.006724	0	
118	N119	52.	42	37.006724	0	
119	N120	-54	42	41.506724	0	
120	N121	-11.	42	41.506724	0	
121	N122	17.	42	41.506724	0	
122	N123	52.	42	41.506724	0	
123	N124	59.048763	42	28.26201	0	
124	N125	37.548763	42	-8.977074	0	
125	N126	23.548763	42	-33.225794	0	
126	N127	6.048763	42	-63.536683	0	
127	N128	62.945877	42	26.01201	0	
128	N129	41.445877	42	-11.227074	0	
129	N130	27.445877	42	-35.475794	0	
130	N131	9.945877	42	-65.786683	0	
131	N132	-5.048763	42	-65.268734	0	
132	N133	-26.548763	42	-28.02965	0	
133	N134	-40.548763	42	-3.78093	0	
134	N135	-58.048763	42	26.529959	0	
135	N136	-8.945877	42	-67.518734	0	
136	N137	-30.445877	42	-30.27965	0	
137	N138	-44.445877	42	-6.03093	0	
138	N139	-61.945877	42	24.279959	0	
139	N140	-60	42	37.006724	0	
140	N140A	-42	42	37.006724	0	
141	N141	-42	42	35.006724	0	
142	N142	42	42	37.006724	0	
143	N143	42	42	35.006724	0	
144	N144	2.048763	42	-70.464886	0	
145	N145	62.048763	42	33.458162	0	
146	N146	53.048763	42	17.869705	0	
147	N147	51.316712	42	18.869705	0	
148	N148	11.048763	42	-54.876429	0	
149	N149	9.316712	42	-53.876429	0	
150	N150	-62.048763	42	33.458162	0	
151	N151	-2.048763	42	-70.464886	0	
152	N152	-11.048763	42	-54.876429	0	
153	N153	-9.316712	42	-53.876429	0	
154	N154	-53.048763	42	17.869705	0	
155	N155	-51.316712	42	18.869705	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	C5X9	Beam	Channel	A36 Gr.36	Typical	2.64	.624	8.89	.109
3	Standoff Horizontal	C5X9	Beam	Channel	A36 Gr.36	Typical	2.64	.624	8.89	.109
4	Standoff Angle	L3X3X6	Beam	Single Angle	A36 Gr.36	Typical	2.11	1.75	1.75	.101
5	Ladder	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
6	Ladder Rung	SR_0.5	Beam	BAR	A36 Gr.36	Typical	.196	.003	.003	.006
7	Corner Plate	PL3/8X10	Beam	RECT	A36 Gr.36	Typical	3.75	.044	31.25	.172
8	Mount Plate 1	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	Mount Plate 2	PL1/2x8	Beam	RECT	A36 Gr.36	Typical	4	.083	21.333	.32
10	Replacement Pipe	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
11	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
12	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M12	N34	N32		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
2	M13	N32	N33		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
3	M7	N22A	N21		180	Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
4	M8	N16	N15		180	Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
5	M9	N18	N17		180	Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
6	M9A	N33	N35		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
7	M10A	N35	N36		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
8	M11A	N36	N38		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
9	M12B	N38	N34		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
10	M10	N31	N27A			Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
11	M11	N25	N30			Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
12	M12A	N28A	N24A			Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
13	M13A	N29	N31B			Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
14	M14	N31B	N31A			Standoff Horiz...	Beam	Channel	A36 Gr.36	Typical
15	M15	N34A	N32A			RIGID	None	None	RIGID	Typical
16	M16	N35A	N33A			RIGID	None	None	RIGID	Typical
17	M17	N36A	N38A		180	Ladder	Beam	Single Angle	A36 Gr.36	Typical
18	M18	N37	N39		90	Ladder	Beam	Single Angle	A36 Gr.36	Typical
19	M19	N40	N44			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
20	M20	N42	N46			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
21	M21	N43	N47			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
22	M22	N46A	N47A			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
23	M25	N50A	N49		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
24	M137	N232A	N231A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M138	N49	N233A			RIGID	None	None	RIGID	Typical
26	M139	N50A	N234A			RIGID	None	None	RIGID	Typical
27	M140	N231A	N233A			RIGID	None	None	RIGID	Typical
28	M141	N232A	N234A			RIGID	None	None	RIGID	Typical
29	M140A	N236A	N235A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
30	M141A	N238A	N237A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
31	M142	N235A	N51			RIGID	None	None	RIGID	Typical
32	M143	N236A	N52			RIGID	None	None	RIGID	Typical
33	M144	N237A	N51			RIGID	None	None	RIGID	Typical
34	M145	N238A	N52			RIGID	None	None	RIGID	Typical
35	M146	N242A	N241A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
36	M147	N244A	N243A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
37	M148	N241A	N53			RIGID	None	None	RIGID	Typical
38	M149	N242A	N50			RIGID	None	None	RIGID	Typical
39	M150	N243A	N53			RIGID	None	None	RIGID	Typical
40	M151	N244A	N50			RIGID	None	None	RIGID	Typical
41	M41	N66	N70			RIGID	None	None	RIGID	Typical
42	M42	N67	N71			RIGID	None	None	RIGID	Typical
43	M43	N68	N72			RIGID	None	None	RIGID	Typical
44	M44	N69	N73			RIGID	None	None	RIGID	Typical
45	MP4A	N74	N78			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
46	MP3A	N75	N79			Replacement ...	Beam	Pipe	A53 Gr. B	Typical
47	MP2A	N76	N80			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
48	MP1A	N77	N81			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
49	M49	N83	N87			RIGID	None	None	RIGID	Typical
50	M50	N84	N88			RIGID	None	None	RIGID	Typical
51	M51	N85	N89			RIGID	None	None	RIGID	Typical
52	M52	N86	N90			RIGID	None	None	RIGID	Typical
53	MP4C	N91	N95			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
54	MP3C	N92	N96			Replacement ...	Beam	Pipe	A53 Gr. B	Typical
55	MP2C	N93	N97			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
56	MP1C	N94	N98			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
57	M57	N100	N104			RIGID	None	None	RIGID	Typical
58	M58	N101	N105			RIGID	None	None	RIGID	Typical
59	M59	N102	N106			RIGID	None	None	RIGID	Typical
60	M60	N103	N107			RIGID	None	None	RIGID	Typical
61	MP4B	N108	N112			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
62	MP3B	N109	N113			Replacement ...	Beam	Pipe	A53 Gr. B	Typical
63	MP2B	N110	N114			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
64	MP1B	N111	N115			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
65	M65	N140	N115A		180	Support Rail	Beam	Pipe	A53 Gr. B	Typical
66	M66	N116	N120			RIGID	None	None	RIGID	Typical
67	M67	N117	N121			RIGID	None	None	RIGID	Typical
68	M68	N118	N122			RIGID	None	None	RIGID	Typical
69	M69	N119	N123			RIGID	None	None	RIGID	Typical
70	M70	N124	N128			RIGID	None	None	RIGID	Typical
71	M71	N125	N129			RIGID	None	None	RIGID	Typical
72	M72	N126	N130			RIGID	None	None	RIGID	Typical
73	M73	N127	N131			RIGID	None	None	RIGID	Typical
74	M74	N132	N136			RIGID	None	None	RIGID	Typical
75	M75	N133	N137			RIGID	None	None	RIGID	Typical
76	M76	N134	N138			RIGID	None	None	RIGID	Typical
77	M77	N135	N139			RIGID	None	None	RIGID	Typical
78	M78	N140A	N141			RIGID	None	None	RIGID	Typical
79	M79	N142	N143			RIGID	None	None	RIGID	Typical
80	M80	N145	N144		180	Support Rail	Beam	Pipe	A53 Gr. B	Typical
81	M81	N146	N147			RIGID	None	None	RIGID	Typical
82	M82	N148	N149			RIGID	None	None	RIGID	Typical
83	M83	N151	N150		180	Support Rail	Beam	Pipe	A53 Gr. B	Typical
84	M84	N152	N153			RIGID	None	None	RIGID	Typical
85	M85	N154	N155			RIGID	None	None	RIGID	Typical
86	M86	N141	N155		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
87	M87	N153	N149		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
88	M88	N147	N143		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M12						Yes				None
2	M13						Yes				None
3	M7						Yes				None
4	M8						Yes				None
5	M9						Yes				None
6	M9A						Yes				None
7	M10A						Yes				None
8	M11A						Yes				None
9	M12B						Yes				None
10	M10						Yes				None
11	M11						Yes				None
12	M12A						Yes				None
13	M13A						Yes				None
14	M14						Yes				None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes				None
18	M18						Yes				None
19	M19	BenPIN	BenPIN				Yes				None
20	M20	BenPIN	BenPIN				Yes				None
21	M21	BenPIN	BenPIN				Yes				None
22	M22	BenPIN	BenPIN				Yes				None
23	M25						Yes	Default			None
24	M137						Yes	Default			None
25	M138						Yes	** NA **			None
26	M139						Yes	** NA **			None
27	M140						Yes	** NA **			None
28	M141						Yes	** NA **			None
29	M140A						Yes	Default			None
30	M141A						Yes	Default			None
31	M142						Yes	** NA **			None
32	M143						Yes	** NA **			None
33	M144						Yes	** NA **			None
34	M145						Yes	** NA **			None
35	M146						Yes	Default			None
36	M147						Yes	Default			None
37	M148						Yes	** NA **			None
38	M149						Yes	** NA **			None
39	M150						Yes	** NA **			None
40	M151						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	MP4A						Yes				None
46	MP3A						Yes				None
47	MP2A						Yes				None
48	MP1A						Yes				None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	MP4C						Yes				None
54	MP3C						Yes				None
55	MP2C						Yes				None
56	MP1C						Yes				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...
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	MP4B						Yes				None
62	MP3B						Yes				None
63	MP2B						Yes				None
64	MP1B						Yes				None
65	M65						Yes				None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	M78	OOOOOX					Yes	** NA **			None
79	M79	OOOOOX					Yes	** NA **			None
80	M80						Yes				None
81	M81	OOOOOX					Yes	** NA **			None
82	M82	OOOOOX					Yes	** NA **			None
83	M83						Yes				None
84	M84	OOOOOX					Yes	** NA **			None
85	M85	OOOOOX					Yes	** NA **			None
86	M86						Yes				None
87	M87						Yes				None
88	M88						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	Y	-23	6
2	MP3A	My	-.011	6
3	MP3A	Mz	.015	6
4	MP3A	Y	-23	66
5	MP3A	My	-.011	66
6	MP3A	Mz	.015	66
7	MP3B	Y	-23	6
8	MP3B	My	-.008	6
9	MP3B	Mz	-.018	6
10	MP3B	Y	-23	66
11	MP3B	My	-.008	66
12	MP3B	Mz	-.018	66
13	MP3C	Y	-23	6
14	MP3C	My	.019	6
15	MP3C	Mz	.002	6
16	MP3C	Y	-23	66
17	MP3C	My	.019	66
18	MP3C	Mz	.002	66
19	MP3A	Y	-23	6
20	MP3A	My	-.011	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP3A	Mz	-.015	6
22	MP3A	Y	-23	66
23	MP3A	My	-.011	66
24	MP3A	Mz	-.015	66
25	MP3B	Y	-23	6
26	MP3B	My	.019	6
27	MP3B	Mz	-.002	6
28	MP3B	Y	-23	66
29	MP3B	My	.019	66
30	MP3B	Mz	-.002	66
31	MP3C	Y	-23	6
32	MP3C	My	-.008	6
33	MP3C	Mz	.018	6
34	MP3C	Y	-23	66
35	MP3C	My	-.008	66
36	MP3C	Mz	.018	66
37	MP2A	Y	-43.55	24
38	MP2A	My	-.022	24
39	MP2A	Mz	0	24
40	MP2A	Y	-43.55	48
41	MP2A	My	-.022	48
42	MP2A	Mz	0	48
43	MP2B	Y	-43.55	24
44	MP2B	My	.011	24
45	MP2B	Mz	-.019	24
46	MP2B	Y	-43.55	48
47	MP2B	My	.011	48
48	MP2B	Mz	-.019	48
49	MP2C	Y	-43.55	24
50	MP2C	My	.011	24
51	MP2C	Mz	.019	24
52	MP2C	Y	-43.55	48
53	MP2C	My	.011	48
54	MP2C	Mz	.019	48
55	MP1A	Y	-10.5	6
56	MP1A	My	-.005	6
57	MP1A	Mz	0	6
58	MP1A	Y	-10.5	66
59	MP1A	My	-.005	66
60	MP1A	Mz	0	66
61	MP1B	Y	-10.5	6
62	MP1B	My	.003	6
63	MP1B	Mz	-.005	6
64	MP1B	Y	-10.5	66
65	MP1B	My	.003	66
66	MP1B	Mz	-.005	66
67	MP1C	Y	-10.5	6
68	MP1C	My	.003	6
69	MP1C	Mz	.005	6
70	MP1C	Y	-10.5	66
71	MP1C	My	.003	66
72	MP1C	Mz	.005	66
73	MP4A	Y	-10.5	6
74	MP4A	My	-.005	6
75	MP4A	Mz	0	6
76	MP4A	Y	-10.5	66
77	MP4A	My	-.005	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
78	MP4A	Mz	0	66
79	MP4B	Y	-10.5	6
80	MP4B	My	.003	6
81	MP4B	Mz	-.005	6
82	MP4B	Y	-10.5	66
83	MP4B	My	.003	66
84	MP4B	Mz	-.005	66
85	MP4C	Y	-10.5	6
86	MP4C	My	.003	6
87	MP4C	Mz	.005	6
88	MP4C	Y	-10.5	66
89	MP4C	My	.003	66
90	MP4C	Mz	.005	66
91	MP1A	Y	-32	30
92	MP1A	My	.016	30
93	MP1A	Mz	0	30
94	MP3A	Y	-74.7	18
95	MP3A	My	.037	18
96	MP3A	Mz	0	18
97	MP3B	Y	-74.7	18
98	MP3B	My	-.019	18
99	MP3B	Mz	.032	18
100	MP3C	Y	-74.7	18
101	MP3C	My	-.019	18
102	MP3C	Mz	-.032	18
103	MP2A	Y	-70.3	18
104	MP2A	My	.035	18
105	MP2A	Mz	0	18
106	MP2B	Y	-70.3	18
107	MP2B	My	-.018	18
108	MP2B	Mz	.03	18
109	MP2C	Y	-70.3	18
110	MP2C	My	-.018	18
111	MP2C	Mz	-.03	18

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	Y	-83.726	6
2	MP3A	My	-.042	6
3	MP3A	Mz	.056	6
4	MP3A	Y	-83.726	66
5	MP3A	My	-.042	66
6	MP3A	Mz	.056	66
7	MP3B	Y	-83.726	6
8	MP3B	My	-.027	6
9	MP3B	Mz	-.064	6
10	MP3B	Y	-83.726	66
11	MP3B	My	-.027	66
12	MP3B	Mz	-.064	66
13	MP3C	Y	-83.726	6
14	MP3C	My	.069	6
15	MP3C	Mz	.008	6
16	MP3C	Y	-83.726	66
17	MP3C	My	.069	66
18	MP3C	Mz	.008	66
19	MP3A	Y	-83.726	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
20	MP3A	My	-.042	6
21	MP3A	Mz	-.056	6
22	MP3A	Y	-83.726	66
23	MP3A	My	-.042	66
24	MP3A	Mz	-.056	66
25	MP3B	Y	-83.726	6
26	MP3B	My	.069	6
27	MP3B	Mz	-.008	6
28	MP3B	Y	-83.726	66
29	MP3B	My	.069	66
30	MP3B	Mz	-.008	66
31	MP3C	Y	-83.726	6
32	MP3C	My	-.027	6
33	MP3C	Mz	.064	6
34	MP3C	Y	-83.726	66
35	MP3C	My	-.027	66
36	MP3C	Mz	.064	66
37	MP2A	Y	-36.174	24
38	MP2A	My	-.018	24
39	MP2A	Mz	0	24
40	MP2A	Y	-36.174	48
41	MP2A	My	-.018	48
42	MP2A	Mz	0	48
43	MP2B	Y	-36.174	24
44	MP2B	My	.009	24
45	MP2B	Mz	-.016	24
46	MP2B	Y	-36.174	48
47	MP2B	My	.009	48
48	MP2B	Mz	-.016	48
49	MP2C	Y	-36.174	24
50	MP2C	My	.009	24
51	MP2C	Mz	.016	24
52	MP2C	Y	-36.174	48
53	MP2C	My	.009	48
54	MP2C	Mz	.016	48
55	MP1A	Y	-59.392	6
56	MP1A	My	-.03	6
57	MP1A	Mz	0	6
58	MP1A	Y	-59.392	66
59	MP1A	My	-.03	66
60	MP1A	Mz	0	66
61	MP1B	Y	-59.392	6
62	MP1B	My	.015	6
63	MP1B	Mz	-.026	6
64	MP1B	Y	-59.392	66
65	MP1B	My	.015	66
66	MP1B	Mz	-.026	66
67	MP1C	Y	-59.392	6
68	MP1C	My	.015	6
69	MP1C	Mz	.026	6
70	MP1C	Y	-59.392	66
71	MP1C	My	.015	66
72	MP1C	Mz	.026	66
73	MP4A	Y	-59.392	6
74	MP4A	My	-.03	6
75	MP4A	Mz	0	6
76	MP4A	Y	-59.392	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	MP4A	My	-.03	66
78	MP4A	Mz	0	66
79	MP4B	Y	-59.392	6
80	MP4B	My	.015	6
81	MP4B	Mz	-.026	6
82	MP4B	Y	-59.392	66
83	MP4B	My	.015	66
84	MP4B	Mz	-.026	66
85	MP4C	Y	-59.392	6
86	MP4C	My	.015	6
87	MP4C	Mz	.026	6
88	MP4C	Y	-59.392	66
89	MP4C	My	.015	66
90	MP4C	Mz	.026	66
91	MP1A	Y	-89.272	30
92	MP1A	My	.045	30
93	MP1A	Mz	0	30
94	MP3A	Y	-45.617	18
95	MP3A	My	.023	18
96	MP3A	Mz	0	18
97	MP3B	Y	-45.617	18
98	MP3B	My	-.011	18
99	MP3B	Mz	.02	18
100	MP3C	Y	-45.617	18
101	MP3C	My	-.011	18
102	MP3C	Mz	-.02	18
103	MP2A	Y	-43.443	18
104	MP2A	My	.022	18
105	MP2A	Mz	0	18
106	MP2B	Y	-43.443	18
107	MP2B	My	-.011	18
108	MP2B	Mz	.019	18
109	MP2C	Y	-43.443	18
110	MP2C	My	-.011	18
111	MP2C	Mz	-.019	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	6
2	MP3A	Z	-91.274	6
3	MP3A	Mx	-.061	6
4	MP3A	X	0	66
5	MP3A	Z	-91.274	66
6	MP3A	Mx	-.061	66
7	MP3B	X	0	6
8	MP3B	Z	-74.052	6
9	MP3B	Mx	.057	6
10	MP3B	X	0	66
11	MP3B	Z	-74.052	66
12	MP3B	Mx	.057	66
13	MP3C	X	0	6
14	MP3C	Z	-74.052	6
15	MP3C	Mx	-.007	6
16	MP3C	X	0	66
17	MP3C	Z	-74.052	66
18	MP3C	Mx	-.007	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
19	MP3A	X	0	6
20	MP3A	Z	-91.274	6
21	MP3A	Mx	.061	6
22	MP3A	X	0	66
23	MP3A	Z	-91.274	66
24	MP3A	Mx	.061	66
25	MP3B	X	0	6
26	MP3B	Z	-74.052	6
27	MP3B	Mx	.007	6
28	MP3B	X	0	66
29	MP3B	Z	-74.052	66
30	MP3B	Mx	.007	66
31	MP3C	X	0	6
32	MP3C	Z	-74.052	6
33	MP3C	Mx	-.057	6
34	MP3C	X	0	66
35	MP3C	Z	-74.052	66
36	MP3C	Mx	-.057	66
37	MP2A	X	0	24
38	MP2A	Z	-75.644	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	-75.644	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	-38.449	24
45	MP2B	Mx	.017	24
46	MP2B	X	0	48
47	MP2B	Z	-38.449	48
48	MP2B	Mx	.017	48
49	MP2C	X	0	24
50	MP2C	Z	-38.449	24
51	MP2C	Mx	-.017	24
52	MP2C	X	0	48
53	MP2C	Z	-38.449	48
54	MP2C	Mx	-.017	48
55	MP1A	X	0	6
56	MP1A	Z	-83.555	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	-83.555	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	-145.764	6
63	MP1B	Mx	.063	6
64	MP1B	X	0	66
65	MP1B	Z	-145.764	66
66	MP1B	Mx	.063	66
67	MP1C	X	0	6
68	MP1C	Z	-145.764	6
69	MP1C	Mx	-.063	6
70	MP1C	X	0	66
71	MP1C	Z	-145.764	66
72	MP1C	Mx	-.063	66
73	MP4A	X	0	6
74	MP4A	Z	-83.555	6
75	MP4A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
76	MP4A	X	0	66
77	MP4A	Z	-83.555	66
78	MP4A	Mx	0	66
79	MP4B	X	0	6
80	MP4B	Z	-145.764	6
81	MP4B	Mx	.063	6
82	MP4B	X	0	66
83	MP4B	Z	-145.764	66
84	MP4B	Mx	.063	66
85	MP4C	X	0	6
86	MP4C	Z	-145.764	6
87	MP4C	Mx	-.063	6
88	MP4C	X	0	66
89	MP4C	Z	-145.764	66
90	MP4C	Mx	-.063	66
91	MP1A	X	0	30
92	MP1A	Z	-122.342	30
93	MP1A	Mx	0	30
94	MP3A	X	0	18
95	MP3A	Z	-59.82	18
96	MP3A	Mx	0	18
97	MP3B	X	0	18
98	MP3B	Z	-45.058	18
99	MP3B	Mx	-.02	18
100	MP3C	X	0	18
101	MP3C	Z	-45.058	18
102	MP3C	Mx	.02	18
103	MP2A	X	0	18
104	MP2A	Z	-59.82	18
105	MP2A	Mx	0	18
106	MP2B	X	0	18
107	MP2B	Z	-42.164	18
108	MP2B	Mx	-.018	18
109	MP2C	X	0	18
110	MP2C	Z	-42.164	18
111	MP2C	Mx	.018	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	42.767	6
2	MP3A	Z	-74.074	6
3	MP3A	Mx	-.071	6
4	MP3A	X	42.767	66
5	MP3A	Z	-74.074	66
6	MP3A	Mx	-.071	66
7	MP3B	X	34.155	6
8	MP3B	Z	-59.159	6
9	MP3B	Mx	.034	6
10	MP3B	X	34.155	66
11	MP3B	Z	-59.159	66
12	MP3B	Mx	.034	66
13	MP3C	X	42.767	6
14	MP3C	Z	-74.074	6
15	MP3C	Mx	.028	6
16	MP3C	X	42.767	66
17	MP3C	Z	-74.074	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP3C	Mx	.028	66
19	MP3A	X	42.767	6
20	MP3A	Z	-74.074	6
21	MP3A	Mx	.028	6
22	MP3A	X	42.767	66
23	MP3A	Z	-74.074	66
24	MP3A	Mx	.028	66
25	MP3B	X	34.155	6
26	MP3B	Z	-59.159	6
27	MP3B	Mx	.034	6
28	MP3B	X	34.155	66
29	MP3B	Z	-59.159	66
30	MP3B	Mx	.034	66
31	MP3C	X	42.767	6
32	MP3C	Z	-74.074	6
33	MP3C	Mx	-.071	6
34	MP3C	X	42.767	66
35	MP3C	Z	-74.074	66
36	MP3C	Mx	-.071	66
37	MP2A	X	31.623	24
38	MP2A	Z	-54.772	24
39	MP2A	Mx	-.016	24
40	MP2A	X	31.623	48
41	MP2A	Z	-54.772	48
42	MP2A	Mx	-.016	48
43	MP2B	X	13.025	24
44	MP2B	Z	-22.561	24
45	MP2B	Mx	.013	24
46	MP2B	X	13.025	48
47	MP2B	Z	-22.561	48
48	MP2B	Mx	.013	48
49	MP2C	X	31.623	24
50	MP2C	Z	-54.772	24
51	MP2C	Mx	-.016	24
52	MP2C	X	31.623	48
53	MP2C	Z	-54.772	48
54	MP2C	Mx	-.016	48
55	MP1A	X	52.146	6
56	MP1A	Z	-90.319	6
57	MP1A	Mx	-.026	6
58	MP1A	X	52.146	66
59	MP1A	Z	-90.319	66
60	MP1A	Mx	-.026	66
61	MP1B	X	83.25	6
62	MP1B	Z	-144.193	6
63	MP1B	Mx	.083	6
64	MP1B	X	83.25	66
65	MP1B	Z	-144.193	66
66	MP1B	Mx	.083	66
67	MP1C	X	52.146	6
68	MP1C	Z	-90.319	6
69	MP1C	Mx	-.026	6
70	MP1C	X	52.146	66
71	MP1C	Z	-90.319	66
72	MP1C	Mx	-.026	66
73	MP4A	X	52.146	6
74	MP4A	Z	-90.319	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
75	MP4A	Mx	-.026	6
76	MP4A	X	52.146	66
77	MP4A	Z	-90.319	66
78	MP4A	Mx	-.026	66
79	MP4B	X	83.25	6
80	MP4B	Z	-144.193	6
81	MP4B	Mx	.083	6
82	MP4B	X	83.25	66
83	MP4B	Z	-144.193	66
84	MP4B	Mx	.083	66
85	MP4C	X	52.146	6
86	MP4C	Z	-90.319	6
87	MP4C	Mx	-.026	6
88	MP4C	X	52.146	66
89	MP4C	Z	-90.319	66
90	MP4C	Mx	-.026	66
91	MP1A	X	57.505	30
92	MP1A	Z	-99.601	30
93	MP1A	Mx	.029	30
94	MP3A	X	27.45	18
95	MP3A	Z	-47.544	18
96	MP3A	Mx	.014	18
97	MP3B	X	20.069	18
98	MP3B	Z	-34.76	18
99	MP3B	Mx	-.02	18
100	MP3C	X	27.45	18
101	MP3C	Z	-47.544	18
102	MP3C	Mx	.014	18
103	MP2A	X	26.967	18
104	MP2A	Z	-46.709	18
105	MP2A	Mx	.013	18
106	MP2B	X	18.139	18
107	MP2B	Z	-31.418	18
108	MP2B	Mx	-.018	18
109	MP2C	X	26.967	18
110	MP2C	Z	-46.709	18
111	MP2C	Mx	.013	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	64.131	6
2	MP3A	Z	-37.026	6
3	MP3A	Mx	-.057	6
4	MP3A	X	64.131	66
5	MP3A	Z	-37.026	66
6	MP3A	Mx	-.057	66
7	MP3B	X	64.131	6
8	MP3B	Z	-37.026	6
9	MP3B	Mx	.007	6
10	MP3B	X	64.131	66
11	MP3B	Z	-37.026	66
12	MP3B	Mx	.007	66
13	MP3C	X	79.046	6
14	MP3C	Z	-45.637	6
15	MP3C	Mx	.061	6
16	MP3C	X	79.046	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP3C	Z	-45.637	66
18	MP3C	Mx	.061	66
19	MP3A	X	64.131	6
20	MP3A	Z	-37.026	6
21	MP3A	Mx	-.007	6
22	MP3A	X	64.131	66
23	MP3A	Z	-37.026	66
24	MP3A	Mx	-.007	66
25	MP3B	X	64.131	6
26	MP3B	Z	-37.026	6
27	MP3B	Mx	.057	6
28	MP3B	X	64.131	66
29	MP3B	Z	-37.026	66
30	MP3B	Mx	.057	66
31	MP3C	X	79.046	6
32	MP3C	Z	-45.637	6
33	MP3C	Mx	-.061	6
34	MP3C	X	79.046	66
35	MP3C	Z	-45.637	66
36	MP3C	Mx	-.061	66
37	MP2A	X	33.298	24
38	MP2A	Z	-19.224	24
39	MP2A	Mx	-.017	24
40	MP2A	X	33.298	48
41	MP2A	Z	-19.224	48
42	MP2A	Mx	-.017	48
43	MP2B	X	33.298	24
44	MP2B	Z	-19.224	24
45	MP2B	Mx	.017	24
46	MP2B	X	33.298	48
47	MP2B	Z	-19.224	48
48	MP2B	Mx	.017	48
49	MP2C	X	65.509	24
50	MP2C	Z	-37.822	24
51	MP2C	Mx	0	24
52	MP2C	X	65.509	48
53	MP2C	Z	-37.822	48
54	MP2C	Mx	0	48
55	MP1A	X	126.235	6
56	MP1A	Z	-72.882	6
57	MP1A	Mx	-.063	6
58	MP1A	X	126.235	66
59	MP1A	Z	-72.882	66
60	MP1A	Mx	-.063	66
61	MP1B	X	126.235	6
62	MP1B	Z	-72.882	6
63	MP1B	Mx	.063	6
64	MP1B	X	126.235	66
65	MP1B	Z	-72.882	66
66	MP1B	Mx	.063	66
67	MP1C	X	72.361	6
68	MP1C	Z	-41.778	6
69	MP1C	Mx	0	6
70	MP1C	X	72.361	66
71	MP1C	Z	-41.778	66
72	MP1C	Mx	0	66
73	MP4A	X	126.235	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
74	MP4A	Z	-72.882	6
75	MP4A	Mx	-.063	6
76	MP4A	X	126.235	66
77	MP4A	Z	-72.882	66
78	MP4A	Mx	-.063	66
79	MP4B	X	126.235	6
80	MP4B	Z	-72.882	6
81	MP4B	Mx	.063	6
82	MP4B	X	126.235	66
83	MP4B	Z	-72.882	66
84	MP4B	Mx	.063	66
85	MP4C	X	72.361	6
86	MP4C	Z	-41.778	6
87	MP4C	Mx	0	6
88	MP4C	X	72.361	66
89	MP4C	Z	-41.778	66
90	MP4C	Mx	0	66
91	MP1A	X	86.9	30
92	MP1A	Z	-50.172	30
93	MP1A	Mx	.043	30
94	MP3A	X	39.021	18
95	MP3A	Z	-22.529	18
96	MP3A	Mx	.02	18
97	MP3B	X	39.021	18
98	MP3B	Z	-22.529	18
99	MP3B	Mx	-.02	18
100	MP3C	X	51.806	18
101	MP3C	Z	-29.91	18
102	MP3C	Mx	0	18
103	MP2A	X	36.515	18
104	MP2A	Z	-21.082	18
105	MP2A	Mx	.018	18
106	MP2B	X	36.515	18
107	MP2B	Z	-21.082	18
108	MP2B	Mx	-.018	18
109	MP2C	X	51.806	18
110	MP2C	Z	-29.91	18
111	MP2C	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	68.311	6
2	MP3A	Z	0	6
3	MP3A	Mx	-.034	6
4	MP3A	X	68.311	66
5	MP3A	Z	0	66
6	MP3A	Mx	-.034	66
7	MP3B	X	85.533	6
8	MP3B	Z	0	6
9	MP3B	Mx	-.028	6
10	MP3B	X	85.533	66
11	MP3B	Z	0	66
12	MP3B	Mx	-.028	66
13	MP3C	X	85.533	6
14	MP3C	Z	0	6
15	MP3C	Mx	.071	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP3C	X	85.533	66
17	MP3C	Z	0	66
18	MP3C	Mx	.071	66
19	MP3A	X	68.311	6
20	MP3A	Z	0	6
21	MP3A	Mx	-.034	6
22	MP3A	X	68.311	66
23	MP3A	Z	0	66
24	MP3A	Mx	-.034	66
25	MP3B	X	85.533	6
26	MP3B	Z	0	6
27	MP3B	Mx	.071	6
28	MP3B	X	85.533	66
29	MP3B	Z	0	66
30	MP3B	Mx	.071	66
31	MP3C	X	85.533	6
32	MP3C	Z	0	6
33	MP3C	Mx	-.028	6
34	MP3C	X	85.533	66
35	MP3C	Z	0	66
36	MP3C	Mx	-.028	66
37	MP2A	X	26.051	24
38	MP2A	Z	0	24
39	MP2A	Mx	-.013	24
40	MP2A	X	26.051	48
41	MP2A	Z	0	48
42	MP2A	Mx	-.013	48
43	MP2B	X	63.245	24
44	MP2B	Z	0	24
45	MP2B	Mx	.016	24
46	MP2B	X	63.245	48
47	MP2B	Z	0	48
48	MP2B	Mx	.016	48
49	MP2C	X	63.245	24
50	MP2C	Z	0	24
51	MP2C	Mx	.016	24
52	MP2C	X	63.245	48
53	MP2C	Z	0	48
54	MP2C	Mx	.016	48
55	MP1A	X	166.5	6
56	MP1A	Z	0	6
57	MP1A	Mx	-.083	6
58	MP1A	X	166.5	66
59	MP1A	Z	0	66
60	MP1A	Mx	-.083	66
61	MP1B	X	104.291	6
62	MP1B	Z	0	6
63	MP1B	Mx	.026	6
64	MP1B	X	104.291	66
65	MP1B	Z	0	66
66	MP1B	Mx	.026	66
67	MP1C	X	104.291	6
68	MP1C	Z	0	6
69	MP1C	Mx	.026	6
70	MP1C	X	104.291	66
71	MP1C	Z	0	66
72	MP1C	Mx	.026	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP4A	X	166.5	6
74	MP4A	Z	0	6
75	MP4A	Mx	-.083	6
76	MP4A	X	166.5	66
77	MP4A	Z	0	66
78	MP4A	Mx	-.083	66
79	MP4B	X	104.291	6
80	MP4B	Z	0	6
81	MP4B	Mx	.026	6
82	MP4B	X	104.291	66
83	MP4B	Z	0	66
84	MP4B	Mx	.026	66
85	MP4C	X	104.291	6
86	MP4C	Z	0	6
87	MP4C	Mx	.026	6
88	MP4C	X	104.291	66
89	MP4C	Z	0	66
90	MP4C	Mx	.026	66
91	MP1A	X	93.011	30
92	MP1A	Z	0	30
93	MP1A	Mx	.047	30
94	MP3A	X	40.137	18
95	MP3A	Z	0	18
96	MP3A	Mx	.02	18
97	MP3B	X	54.899	18
98	MP3B	Z	0	18
99	MP3B	Mx	-.014	18
100	MP3C	X	54.899	18
101	MP3C	Z	0	18
102	MP3C	Mx	-.014	18
103	MP2A	X	36.278	18
104	MP2A	Z	0	18
105	MP2A	Mx	.018	18
106	MP2B	X	53.935	18
107	MP2B	Z	0	18
108	MP2B	Mx	-.013	18
109	MP2C	X	53.935	18
110	MP2C	Z	0	18
111	MP2C	Mx	-.013	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	64.131	6
2	MP3A	Z	37.026	6
3	MP3A	Mx	-.007	6
4	MP3A	X	64.131	66
5	MP3A	Z	37.026	66
6	MP3A	Mx	-.007	66
7	MP3B	X	79.046	6
8	MP3B	Z	45.637	6
9	MP3B	Mx	-.061	6
10	MP3B	X	79.046	66
11	MP3B	Z	45.637	66
12	MP3B	Mx	-.061	66
13	MP3C	X	64.131	6
14	MP3C	Z	37.026	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
15	MP3C	Mx	.057	6
16	MP3C	X	64.131	66
17	MP3C	Z	37.026	66
18	MP3C	Mx	.057	66
19	MP3A	X	64.131	6
20	MP3A	Z	37.026	6
21	MP3A	Mx	-.057	6
22	MP3A	X	64.131	66
23	MP3A	Z	37.026	66
24	MP3A	Mx	-.057	66
25	MP3B	X	79.046	6
26	MP3B	Z	45.637	6
27	MP3B	Mx	.061	6
28	MP3B	X	79.046	66
29	MP3B	Z	45.637	66
30	MP3B	Mx	.061	66
31	MP3C	X	64.131	6
32	MP3C	Z	37.026	6
33	MP3C	Mx	.007	6
34	MP3C	X	64.131	66
35	MP3C	Z	37.026	66
36	MP3C	Mx	.007	66
37	MP2A	X	33.298	24
38	MP2A	Z	19.224	24
39	MP2A	Mx	-.017	24
40	MP2A	X	33.298	48
41	MP2A	Z	19.224	48
42	MP2A	Mx	-.017	48
43	MP2B	X	65.509	24
44	MP2B	Z	37.822	24
45	MP2B	Mx	0	24
46	MP2B	X	65.509	48
47	MP2B	Z	37.822	48
48	MP2B	Mx	0	48
49	MP2C	X	33.298	24
50	MP2C	Z	19.224	24
51	MP2C	Mx	.017	24
52	MP2C	X	33.298	48
53	MP2C	Z	19.224	48
54	MP2C	Mx	.017	48
55	MP1A	X	126.235	6
56	MP1A	Z	72.882	6
57	MP1A	Mx	-.063	6
58	MP1A	X	126.235	66
59	MP1A	Z	72.882	66
60	MP1A	Mx	-.063	66
61	MP1B	X	72.361	6
62	MP1B	Z	41.778	6
63	MP1B	Mx	0	6
64	MP1B	X	72.361	66
65	MP1B	Z	41.778	66
66	MP1B	Mx	0	66
67	MP1C	X	126.235	6
68	MP1C	Z	72.882	6
69	MP1C	Mx	.063	6
70	MP1C	X	126.235	66
71	MP1C	Z	72.882	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
72	MP1C	Mx	.063	66
73	MP4A	X	126.235	6
74	MP4A	Z	72.882	6
75	MP4A	Mx	-.063	6
76	MP4A	X	126.235	66
77	MP4A	Z	72.882	66
78	MP4A	Mx	-.063	66
79	MP4B	X	72.361	6
80	MP4B	Z	41.778	6
81	MP4B	Mx	0	6
82	MP4B	X	72.361	66
83	MP4B	Z	41.778	66
84	MP4B	Mx	0	66
85	MP4C	X	126.235	6
86	MP4C	Z	72.882	6
87	MP4C	Mx	.063	6
88	MP4C	X	126.235	66
89	MP4C	Z	72.882	66
90	MP4C	Mx	.063	66
91	MP1A	X	86.9	30
92	MP1A	Z	50.172	30
93	MP1A	Mx	.043	30
94	MP3A	X	39.021	18
95	MP3A	Z	22.529	18
96	MP3A	Mx	.02	18
97	MP3B	X	51.806	18
98	MP3B	Z	29.91	18
99	MP3B	Mx	0	18
100	MP3C	X	39.021	18
101	MP3C	Z	22.529	18
102	MP3C	Mx	-.02	18
103	MP2A	X	36.515	18
104	MP2A	Z	21.082	18
105	MP2A	Mx	.018	18
106	MP2B	X	51.806	18
107	MP2B	Z	29.91	18
108	MP2B	Mx	0	18
109	MP2C	X	36.515	18
110	MP2C	Z	21.082	18
111	MP2C	Mx	-.018	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	42.767	6
2	MP3A	Z	74.074	6
3	MP3A	Mx	.028	6
4	MP3A	X	42.767	66
5	MP3A	Z	74.074	66
6	MP3A	Mx	.028	66
7	MP3B	X	42.767	6
8	MP3B	Z	74.074	6
9	MP3B	Mx	-.071	6
10	MP3B	X	42.767	66
11	MP3B	Z	74.074	66
12	MP3B	Mx	-.071	66
13	MP3C	X	34.155	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
14	MP3C	Z	59.159	6
15	MP3C	Mx	.034	6
16	MP3C	X	34.155	66
17	MP3C	Z	59.159	66
18	MP3C	Mx	.034	66
19	MP3A	X	42.767	6
20	MP3A	Z	74.074	6
21	MP3A	Mx	-.071	6
22	MP3A	X	42.767	66
23	MP3A	Z	74.074	66
24	MP3A	Mx	-.071	66
25	MP3B	X	42.767	6
26	MP3B	Z	74.074	6
27	MP3B	Mx	.028	6
28	MP3B	X	42.767	66
29	MP3B	Z	74.074	66
30	MP3B	Mx	.028	66
31	MP3C	X	34.155	6
32	MP3C	Z	59.159	6
33	MP3C	Mx	.034	6
34	MP3C	X	34.155	66
35	MP3C	Z	59.159	66
36	MP3C	Mx	.034	66
37	MP2A	X	31.623	24
38	MP2A	Z	54.772	24
39	MP2A	Mx	-.016	24
40	MP2A	X	31.623	48
41	MP2A	Z	54.772	48
42	MP2A	Mx	-.016	48
43	MP2B	X	31.623	24
44	MP2B	Z	54.772	24
45	MP2B	Mx	-.016	24
46	MP2B	X	31.623	48
47	MP2B	Z	54.772	48
48	MP2B	Mx	-.016	48
49	MP2C	X	13.025	24
50	MP2C	Z	22.561	24
51	MP2C	Mx	.013	24
52	MP2C	X	13.025	48
53	MP2C	Z	22.561	48
54	MP2C	Mx	.013	48
55	MP1A	X	52.146	6
56	MP1A	Z	90.319	6
57	MP1A	Mx	-.026	6
58	MP1A	X	52.146	66
59	MP1A	Z	90.319	66
60	MP1A	Mx	-.026	66
61	MP1B	X	52.146	6
62	MP1B	Z	90.319	6
63	MP1B	Mx	-.026	6
64	MP1B	X	52.146	66
65	MP1B	Z	90.319	66
66	MP1B	Mx	-.026	66
67	MP1C	X	83.25	6
68	MP1C	Z	144.193	6
69	MP1C	Mx	.083	6
70	MP1C	X	83.25	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
71	MP1C	Z	144.193	66
72	MP1C	Mx	.083	66
73	MP4A	X	52.146	6
74	MP4A	Z	90.319	6
75	MP4A	Mx	-.026	6
76	MP4A	X	52.146	66
77	MP4A	Z	90.319	66
78	MP4A	Mx	-.026	66
79	MP4B	X	52.146	6
80	MP4B	Z	90.319	6
81	MP4B	Mx	-.026	6
82	MP4B	X	52.146	66
83	MP4B	Z	90.319	66
84	MP4B	Mx	-.026	66
85	MP4C	X	83.25	6
86	MP4C	Z	144.193	6
87	MP4C	Mx	.083	6
88	MP4C	X	83.25	66
89	MP4C	Z	144.193	66
90	MP4C	Mx	.083	66
91	MP1A	X	57.505	30
92	MP1A	Z	99.601	30
93	MP1A	Mx	.029	30
94	MP3A	X	27.45	18
95	MP3A	Z	47.544	18
96	MP3A	Mx	.014	18
97	MP3B	X	27.45	18
98	MP3B	Z	47.544	18
99	MP3B	Mx	.014	18
100	MP3C	X	20.069	18
101	MP3C	Z	34.76	18
102	MP3C	Mx	-.02	18
103	MP2A	X	26.967	18
104	MP2A	Z	46.709	18
105	MP2A	Mx	.013	18
106	MP2B	X	26.967	18
107	MP2B	Z	46.709	18
108	MP2B	Mx	.013	18
109	MP2C	X	18.139	18
110	MP2C	Z	31.418	18
111	MP2C	Mx	-.018	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	6
2	MP3A	Z	91.274	6
3	MP3A	Mx	.061	6
4	MP3A	X	0	66
5	MP3A	Z	91.274	66
6	MP3A	Mx	.061	66
7	MP3B	X	0	6
8	MP3B	Z	74.052	6
9	MP3B	Mx	-.057	6
10	MP3B	X	0	66
11	MP3B	Z	74.052	66
12	MP3B	Mx	-.057	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP3C	X	0	6
14	MP3C	Z	74.052	6
15	MP3C	Mx	.007	6
16	MP3C	X	0	66
17	MP3C	Z	74.052	66
18	MP3C	Mx	.007	66
19	MP3A	X	0	6
20	MP3A	Z	91.274	6
21	MP3A	Mx	-.061	6
22	MP3A	X	0	66
23	MP3A	Z	91.274	66
24	MP3A	Mx	-.061	66
25	MP3B	X	0	6
26	MP3B	Z	74.052	6
27	MP3B	Mx	-.007	6
28	MP3B	X	0	66
29	MP3B	Z	74.052	66
30	MP3B	Mx	-.007	66
31	MP3C	X	0	6
32	MP3C	Z	74.052	6
33	MP3C	Mx	.057	6
34	MP3C	X	0	66
35	MP3C	Z	74.052	66
36	MP3C	Mx	.057	66
37	MP2A	X	0	24
38	MP2A	Z	75.644	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	75.644	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	38.449	24
45	MP2B	Mx	-.017	24
46	MP2B	X	0	48
47	MP2B	Z	38.449	48
48	MP2B	Mx	-.017	48
49	MP2C	X	0	24
50	MP2C	Z	38.449	24
51	MP2C	Mx	.017	24
52	MP2C	X	0	48
53	MP2C	Z	38.449	48
54	MP2C	Mx	.017	48
55	MP1A	X	0	6
56	MP1A	Z	83.555	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	83.555	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	145.764	6
63	MP1B	Mx	-.063	6
64	MP1B	X	0	66
65	MP1B	Z	145.764	66
66	MP1B	Mx	-.063	66
67	MP1C	X	0	6
68	MP1C	Z	145.764	6
69	MP1C	Mx	.063	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
70	MP1C	X	0	66
71	MP1C	Z	145.764	66
72	MP1C	Mx	.063	66
73	MP4A	X	0	6
74	MP4A	Z	83.555	6
75	MP4A	Mx	0	6
76	MP4A	X	0	66
77	MP4A	Z	83.555	66
78	MP4A	Mx	0	66
79	MP4B	X	0	6
80	MP4B	Z	145.764	6
81	MP4B	Mx	-.063	6
82	MP4B	X	0	66
83	MP4B	Z	145.764	66
84	MP4B	Mx	-.063	66
85	MP4C	X	0	6
86	MP4C	Z	145.764	6
87	MP4C	Mx	.063	6
88	MP4C	X	0	66
89	MP4C	Z	145.764	66
90	MP4C	Mx	.063	66
91	MP1A	X	0	30
92	MP1A	Z	122.342	30
93	MP1A	Mx	0	30
94	MP3A	X	0	18
95	MP3A	Z	59.82	18
96	MP3A	Mx	0	18
97	MP3B	X	0	18
98	MP3B	Z	45.058	18
99	MP3B	Mx	.02	18
100	MP3C	X	0	18
101	MP3C	Z	45.058	18
102	MP3C	Mx	-.02	18
103	MP2A	X	0	18
104	MP2A	Z	59.82	18
105	MP2A	Mx	0	18
106	MP2B	X	0	18
107	MP2B	Z	42.164	18
108	MP2B	Mx	.018	18
109	MP2C	X	0	18
110	MP2C	Z	42.164	18
111	MP2C	Mx	-.018	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-42.767	6
2	MP3A	Z	74.074	6
3	MP3A	Mx	.071	6
4	MP3A	X	-42.767	66
5	MP3A	Z	74.074	66
6	MP3A	Mx	.071	66
7	MP3B	X	-34.155	6
8	MP3B	Z	59.159	6
9	MP3B	Mx	-.034	6
10	MP3B	X	-34.155	66
11	MP3B	Z	59.159	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
12	MP3B	Mx	-.034	66
13	MP3C	X	-42.767	6
14	MP3C	Z	74.074	6
15	MP3C	Mx	-.028	6
16	MP3C	X	-42.767	66
17	MP3C	Z	74.074	66
18	MP3C	Mx	-.028	66
19	MP3A	X	-42.767	6
20	MP3A	Z	74.074	6
21	MP3A	Mx	-.028	6
22	MP3A	X	-42.767	66
23	MP3A	Z	74.074	66
24	MP3A	Mx	-.028	66
25	MP3B	X	-34.155	6
26	MP3B	Z	59.159	6
27	MP3B	Mx	-.034	6
28	MP3B	X	-34.155	66
29	MP3B	Z	59.159	66
30	MP3B	Mx	-.034	66
31	MP3C	X	-42.767	6
32	MP3C	Z	74.074	6
33	MP3C	Mx	.071	6
34	MP3C	X	-42.767	66
35	MP3C	Z	74.074	66
36	MP3C	Mx	.071	66
37	MP2A	X	-31.623	24
38	MP2A	Z	54.772	24
39	MP2A	Mx	.016	24
40	MP2A	X	-31.623	48
41	MP2A	Z	54.772	48
42	MP2A	Mx	.016	48
43	MP2B	X	-13.025	24
44	MP2B	Z	22.561	24
45	MP2B	Mx	-.013	24
46	MP2B	X	-13.025	48
47	MP2B	Z	22.561	48
48	MP2B	Mx	-.013	48
49	MP2C	X	-31.623	24
50	MP2C	Z	54.772	24
51	MP2C	Mx	.016	24
52	MP2C	X	-31.623	48
53	MP2C	Z	54.772	48
54	MP2C	Mx	.016	48
55	MP1A	X	-52.146	6
56	MP1A	Z	90.319	6
57	MP1A	Mx	.026	6
58	MP1A	X	-52.146	66
59	MP1A	Z	90.319	66
60	MP1A	Mx	.026	66
61	MP1B	X	-83.25	6
62	MP1B	Z	144.193	6
63	MP1B	Mx	-.083	6
64	MP1B	X	-83.25	66
65	MP1B	Z	144.193	66
66	MP1B	Mx	-.083	66
67	MP1C	X	-52.146	6
68	MP1C	Z	90.319	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
69	MP1C	Mx	.026	6
70	MP1C	X	-52.146	66
71	MP1C	Z	90.319	66
72	MP1C	Mx	.026	66
73	MP4A	X	-52.146	6
74	MP4A	Z	90.319	6
75	MP4A	Mx	.026	6
76	MP4A	X	-52.146	66
77	MP4A	Z	90.319	66
78	MP4A	Mx	.026	66
79	MP4B	X	-83.25	6
80	MP4B	Z	144.193	6
81	MP4B	Mx	-.083	6
82	MP4B	X	-83.25	66
83	MP4B	Z	144.193	66
84	MP4B	Mx	-.083	66
85	MP4C	X	-52.146	6
86	MP4C	Z	90.319	6
87	MP4C	Mx	.026	6
88	MP4C	X	-52.146	66
89	MP4C	Z	90.319	66
90	MP4C	Mx	.026	66
91	MP1A	X	-57.505	30
92	MP1A	Z	99.601	30
93	MP1A	Mx	-.029	30
94	MP3A	X	-27.45	18
95	MP3A	Z	47.544	18
96	MP3A	Mx	-.014	18
97	MP3B	X	-20.069	18
98	MP3B	Z	34.76	18
99	MP3B	Mx	.02	18
100	MP3C	X	-27.45	18
101	MP3C	Z	47.544	18
102	MP3C	Mx	-.014	18
103	MP2A	X	-26.967	18
104	MP2A	Z	46.709	18
105	MP2A	Mx	-.013	18
106	MP2B	X	-18.139	18
107	MP2B	Z	31.418	18
108	MP2B	Mx	.018	18
109	MP2C	X	-26.967	18
110	MP2C	Z	46.709	18
111	MP2C	Mx	-.013	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-64.131	6
2	MP3A	Z	37.026	6
3	MP3A	Mx	.057	6
4	MP3A	X	-64.131	66
5	MP3A	Z	37.026	66
6	MP3A	Mx	.057	66
7	MP3B	X	-64.131	6
8	MP3B	Z	37.026	6
9	MP3B	Mx	-.007	6
10	MP3B	X	-64.131	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP3B	Z	37.026	66
12	MP3B	Mx	-.007	66
13	MP3C	X	-79.046	6
14	MP3C	Z	45.637	6
15	MP3C	Mx	-.061	6
16	MP3C	X	-79.046	66
17	MP3C	Z	45.637	66
18	MP3C	Mx	-.061	66
19	MP3A	X	-64.131	6
20	MP3A	Z	37.026	6
21	MP3A	Mx	.007	6
22	MP3A	X	-64.131	66
23	MP3A	Z	37.026	66
24	MP3A	Mx	.007	66
25	MP3B	X	-64.131	6
26	MP3B	Z	37.026	6
27	MP3B	Mx	-.057	6
28	MP3B	X	-64.131	66
29	MP3B	Z	37.026	66
30	MP3B	Mx	-.057	66
31	MP3C	X	-79.046	6
32	MP3C	Z	45.637	6
33	MP3C	Mx	.061	6
34	MP3C	X	-79.046	66
35	MP3C	Z	45.637	66
36	MP3C	Mx	.061	66
37	MP2A	X	-33.298	24
38	MP2A	Z	19.224	24
39	MP2A	Mx	.017	24
40	MP2A	X	-33.298	48
41	MP2A	Z	19.224	48
42	MP2A	Mx	.017	48
43	MP2B	X	-33.298	24
44	MP2B	Z	19.224	24
45	MP2B	Mx	-.017	24
46	MP2B	X	-33.298	48
47	MP2B	Z	19.224	48
48	MP2B	Mx	-.017	48
49	MP2C	X	-65.509	24
50	MP2C	Z	37.822	24
51	MP2C	Mx	0	24
52	MP2C	X	-65.509	48
53	MP2C	Z	37.822	48
54	MP2C	Mx	0	48
55	MP1A	X	-126.235	6
56	MP1A	Z	72.882	6
57	MP1A	Mx	.063	6
58	MP1A	X	-126.235	66
59	MP1A	Z	72.882	66
60	MP1A	Mx	.063	66
61	MP1B	X	-126.235	6
62	MP1B	Z	72.882	6
63	MP1B	Mx	-.063	6
64	MP1B	X	-126.235	66
65	MP1B	Z	72.882	66
66	MP1B	Mx	-.063	66
67	MP1C	X	-72.361	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
68	MP1C	Z	41.778	6
69	MP1C	Mx	0	6
70	MP1C	X	-72.361	66
71	MP1C	Z	41.778	66
72	MP1C	Mx	0	66
73	MP4A	X	-126.235	6
74	MP4A	Z	72.882	6
75	MP4A	Mx	.063	6
76	MP4A	X	-126.235	66
77	MP4A	Z	72.882	66
78	MP4A	Mx	.063	66
79	MP4B	X	-126.235	6
80	MP4B	Z	72.882	6
81	MP4B	Mx	-.063	6
82	MP4B	X	-126.235	66
83	MP4B	Z	72.882	66
84	MP4B	Mx	-.063	66
85	MP4C	X	-72.361	6
86	MP4C	Z	41.778	6
87	MP4C	Mx	0	6
88	MP4C	X	-72.361	66
89	MP4C	Z	41.778	66
90	MP4C	Mx	0	66
91	MP1A	X	-86.9	30
92	MP1A	Z	50.172	30
93	MP1A	Mx	-.043	30
94	MP3A	X	-39.021	18
95	MP3A	Z	22.529	18
96	MP3A	Mx	-.02	18
97	MP3B	X	-39.021	18
98	MP3B	Z	22.529	18
99	MP3B	Mx	.02	18
100	MP3C	X	-51.806	18
101	MP3C	Z	29.91	18
102	MP3C	Mx	0	18
103	MP2A	X	-36.515	18
104	MP2A	Z	21.082	18
105	MP2A	Mx	-.018	18
106	MP2B	X	-36.515	18
107	MP2B	Z	21.082	18
108	MP2B	Mx	.018	18
109	MP2C	X	-51.806	18
110	MP2C	Z	29.91	18
111	MP2C	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-68.311	6
2	MP3A	Z	0	6
3	MP3A	Mx	.034	6
4	MP3A	X	-68.311	66
5	MP3A	Z	0	66
6	MP3A	Mx	.034	66
7	MP3B	X	-85.533	6
8	MP3B	Z	0	6
9	MP3B	Mx	.028	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	MP3B	X	-85.533	66
11	MP3B	Z	0	66
12	MP3B	Mx	.028	66
13	MP3C	X	-85.533	6
14	MP3C	Z	0	6
15	MP3C	Mx	-.071	6
16	MP3C	X	-85.533	66
17	MP3C	Z	0	66
18	MP3C	Mx	-.071	66
19	MP3A	X	-68.311	6
20	MP3A	Z	0	6
21	MP3A	Mx	.034	6
22	MP3A	X	-68.311	66
23	MP3A	Z	0	66
24	MP3A	Mx	.034	66
25	MP3B	X	-85.533	6
26	MP3B	Z	0	6
27	MP3B	Mx	-.071	6
28	MP3B	X	-85.533	66
29	MP3B	Z	0	66
30	MP3B	Mx	-.071	66
31	MP3C	X	-85.533	6
32	MP3C	Z	0	6
33	MP3C	Mx	.028	6
34	MP3C	X	-85.533	66
35	MP3C	Z	0	66
36	MP3C	Mx	.028	66
37	MP2A	X	-26.051	24
38	MP2A	Z	0	24
39	MP2A	Mx	.013	24
40	MP2A	X	-26.051	48
41	MP2A	Z	0	48
42	MP2A	Mx	.013	48
43	MP2B	X	-63.245	24
44	MP2B	Z	0	24
45	MP2B	Mx	-.016	24
46	MP2B	X	-63.245	48
47	MP2B	Z	0	48
48	MP2B	Mx	-.016	48
49	MP2C	X	-63.245	24
50	MP2C	Z	0	24
51	MP2C	Mx	-.016	24
52	MP2C	X	-63.245	48
53	MP2C	Z	0	48
54	MP2C	Mx	-.016	48
55	MP1A	X	-166.5	6
56	MP1A	Z	0	6
57	MP1A	Mx	.083	6
58	MP1A	X	-166.5	66
59	MP1A	Z	0	66
60	MP1A	Mx	.083	66
61	MP1B	X	-104.291	6
62	MP1B	Z	0	6
63	MP1B	Mx	-.026	6
64	MP1B	X	-104.291	66
65	MP1B	Z	0	66
66	MP1B	Mx	-.026	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	MP1C	X	-104.291	6
68	MP1C	Z	0	6
69	MP1C	Mx	-.026	6
70	MP1C	X	-104.291	66
71	MP1C	Z	0	66
72	MP1C	Mx	-.026	66
73	MP4A	X	-166.5	6
74	MP4A	Z	0	6
75	MP4A	Mx	.083	6
76	MP4A	X	-166.5	66
77	MP4A	Z	0	66
78	MP4A	Mx	.083	66
79	MP4B	X	-104.291	6
80	MP4B	Z	0	6
81	MP4B	Mx	-.026	6
82	MP4B	X	-104.291	66
83	MP4B	Z	0	66
84	MP4B	Mx	-.026	66
85	MP4C	X	-104.291	6
86	MP4C	Z	0	6
87	MP4C	Mx	-.026	6
88	MP4C	X	-104.291	66
89	MP4C	Z	0	66
90	MP4C	Mx	-.026	66
91	MP1A	X	-93.011	30
92	MP1A	Z	0	30
93	MP1A	Mx	-.047	30
94	MP3A	X	-40.137	18
95	MP3A	Z	0	18
96	MP3A	Mx	-.02	18
97	MP3B	X	-54.899	18
98	MP3B	Z	0	18
99	MP3B	Mx	.014	18
100	MP3C	X	-54.899	18
101	MP3C	Z	0	18
102	MP3C	Mx	.014	18
103	MP2A	X	-36.278	18
104	MP2A	Z	0	18
105	MP2A	Mx	-.018	18
106	MP2B	X	-53.935	18
107	MP2B	Z	0	18
108	MP2B	Mx	.013	18
109	MP2C	X	-53.935	18
110	MP2C	Z	0	18
111	MP2C	Mx	.013	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-64.131	6
2	MP3A	Z	-37.026	6
3	MP3A	Mx	.007	6
4	MP3A	X	-64.131	66
5	MP3A	Z	-37.026	66
6	MP3A	Mx	.007	66
7	MP3B	X	-79.046	6
8	MP3B	Z	-45.637	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP3B	Mx	.061	6
10	MP3B	X	-79.046	66
11	MP3B	Z	-45.637	66
12	MP3B	Mx	.061	66
13	MP3C	X	-64.131	6
14	MP3C	Z	-37.026	6
15	MP3C	Mx	-.057	6
16	MP3C	X	-64.131	66
17	MP3C	Z	-37.026	66
18	MP3C	Mx	-.057	66
19	MP3A	X	-64.131	6
20	MP3A	Z	-37.026	6
21	MP3A	Mx	.057	6
22	MP3A	X	-64.131	66
23	MP3A	Z	-37.026	66
24	MP3A	Mx	.057	66
25	MP3B	X	-79.046	6
26	MP3B	Z	-45.637	6
27	MP3B	Mx	-.061	6
28	MP3B	X	-79.046	66
29	MP3B	Z	-45.637	66
30	MP3B	Mx	-.061	66
31	MP3C	X	-64.131	6
32	MP3C	Z	-37.026	6
33	MP3C	Mx	-.007	6
34	MP3C	X	-64.131	66
35	MP3C	Z	-37.026	66
36	MP3C	Mx	-.007	66
37	MP2A	X	-33.298	24
38	MP2A	Z	-19.224	24
39	MP2A	Mx	.017	24
40	MP2A	X	-33.298	48
41	MP2A	Z	-19.224	48
42	MP2A	Mx	.017	48
43	MP2B	X	-65.509	24
44	MP2B	Z	-37.822	24
45	MP2B	Mx	0	24
46	MP2B	X	-65.509	48
47	MP2B	Z	-37.822	48
48	MP2B	Mx	0	48
49	MP2C	X	-33.298	24
50	MP2C	Z	-19.224	24
51	MP2C	Mx	-.017	24
52	MP2C	X	-33.298	48
53	MP2C	Z	-19.224	48
54	MP2C	Mx	-.017	48
55	MP1A	X	-126.235	6
56	MP1A	Z	-72.882	6
57	MP1A	Mx	.063	6
58	MP1A	X	-126.235	66
59	MP1A	Z	-72.882	66
60	MP1A	Mx	.063	66
61	MP1B	X	-72.361	6
62	MP1B	Z	-41.778	6
63	MP1B	Mx	0	6
64	MP1B	X	-72.361	66
65	MP1B	Z	-41.778	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
66	MP1B	Mx	0	66
67	MP1C	X	-126.235	6
68	MP1C	Z	-72.882	6
69	MP1C	Mx	-.063	6
70	MP1C	X	-126.235	66
71	MP1C	Z	-72.882	66
72	MP1C	Mx	-.063	66
73	MP4A	X	-126.235	6
74	MP4A	Z	-72.882	6
75	MP4A	Mx	.063	6
76	MP4A	X	-126.235	66
77	MP4A	Z	-72.882	66
78	MP4A	Mx	.063	66
79	MP4B	X	-72.361	6
80	MP4B	Z	-41.778	6
81	MP4B	Mx	0	6
82	MP4B	X	-72.361	66
83	MP4B	Z	-41.778	66
84	MP4B	Mx	0	66
85	MP4C	X	-126.235	6
86	MP4C	Z	-72.882	6
87	MP4C	Mx	-.063	6
88	MP4C	X	-126.235	66
89	MP4C	Z	-72.882	66
90	MP4C	Mx	-.063	66
91	MP1A	X	-86.9	30
92	MP1A	Z	-50.172	30
93	MP1A	Mx	-.043	30
94	MP3A	X	-39.021	18
95	MP3A	Z	-22.529	18
96	MP3A	Mx	-.02	18
97	MP3B	X	-51.806	18
98	MP3B	Z	-29.91	18
99	MP3B	Mx	0	18
100	MP3C	X	-39.021	18
101	MP3C	Z	-22.529	18
102	MP3C	Mx	.02	18
103	MP2A	X	-36.515	18
104	MP2A	Z	-21.082	18
105	MP2A	Mx	-.018	18
106	MP2B	X	-51.806	18
107	MP2B	Z	-29.91	18
108	MP2B	Mx	0	18
109	MP2C	X	-36.515	18
110	MP2C	Z	-21.082	18
111	MP2C	Mx	.018	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-42.767	6
2	MP3A	Z	-74.074	6
3	MP3A	Mx	-.028	6
4	MP3A	X	-42.767	66
5	MP3A	Z	-74.074	66
6	MP3A	Mx	-.028	66
7	MP3B	X	-42.767	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
8	MP3B	Z	-74.074	6
9	MP3B	Mx	.071	6
10	MP3B	X	-42.767	66
11	MP3B	Z	-74.074	66
12	MP3B	Mx	.071	66
13	MP3C	X	-34.155	6
14	MP3C	Z	-59.159	6
15	MP3C	Mx	-.034	6
16	MP3C	X	-34.155	66
17	MP3C	Z	-59.159	66
18	MP3C	Mx	-.034	66
19	MP3A	X	-42.767	6
20	MP3A	Z	-74.074	6
21	MP3A	Mx	.071	6
22	MP3A	X	-42.767	66
23	MP3A	Z	-74.074	66
24	MP3A	Mx	.071	66
25	MP3B	X	-42.767	6
26	MP3B	Z	-74.074	6
27	MP3B	Mx	-.028	6
28	MP3B	X	-42.767	66
29	MP3B	Z	-74.074	66
30	MP3B	Mx	-.028	66
31	MP3C	X	-34.155	6
32	MP3C	Z	-59.159	6
33	MP3C	Mx	-.034	6
34	MP3C	X	-34.155	66
35	MP3C	Z	-59.159	66
36	MP3C	Mx	-.034	66
37	MP2A	X	-31.623	24
38	MP2A	Z	-54.772	24
39	MP2A	Mx	.016	24
40	MP2A	X	-31.623	48
41	MP2A	Z	-54.772	48
42	MP2A	Mx	.016	48
43	MP2B	X	-31.623	24
44	MP2B	Z	-54.772	24
45	MP2B	Mx	.016	24
46	MP2B	X	-31.623	48
47	MP2B	Z	-54.772	48
48	MP2B	Mx	.016	48
49	MP2C	X	-13.025	24
50	MP2C	Z	-22.561	24
51	MP2C	Mx	-.013	24
52	MP2C	X	-13.025	48
53	MP2C	Z	-22.561	48
54	MP2C	Mx	-.013	48
55	MP1A	X	-52.146	6
56	MP1A	Z	-90.319	6
57	MP1A	Mx	.026	6
58	MP1A	X	-52.146	66
59	MP1A	Z	-90.319	66
60	MP1A	Mx	.026	66
61	MP1B	X	-52.146	6
62	MP1B	Z	-90.319	6
63	MP1B	Mx	.026	6
64	MP1B	X	-52.146	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
65	MP1B	Z	-90.319	66
66	MP1B	Mx	.026	66
67	MP1C	X	-83.25	6
68	MP1C	Z	-144.193	6
69	MP1C	Mx	-.083	6
70	MP1C	X	-83.25	66
71	MP1C	Z	-144.193	66
72	MP1C	Mx	-.083	66
73	MP4A	X	-52.146	6
74	MP4A	Z	-90.319	6
75	MP4A	Mx	.026	6
76	MP4A	X	-52.146	66
77	MP4A	Z	-90.319	66
78	MP4A	Mx	.026	66
79	MP4B	X	-52.146	6
80	MP4B	Z	-90.319	6
81	MP4B	Mx	.026	6
82	MP4B	X	-52.146	66
83	MP4B	Z	-90.319	66
84	MP4B	Mx	.026	66
85	MP4C	X	-83.25	6
86	MP4C	Z	-144.193	6
87	MP4C	Mx	-.083	6
88	MP4C	X	-83.25	66
89	MP4C	Z	-144.193	66
90	MP4C	Mx	-.083	66
91	MP1A	X	-57.505	30
92	MP1A	Z	-99.601	30
93	MP1A	Mx	-.029	30
94	MP3A	X	-27.45	18
95	MP3A	Z	-47.544	18
96	MP3A	Mx	-.014	18
97	MP3B	X	-27.45	18
98	MP3B	Z	-47.544	18
99	MP3B	Mx	-.014	18
100	MP3C	X	-20.069	18
101	MP3C	Z	-34.76	18
102	MP3C	Mx	.02	18
103	MP2A	X	-26.967	18
104	MP2A	Z	-46.709	18
105	MP2A	Mx	-.013	18
106	MP2B	X	-26.967	18
107	MP2B	Z	-46.709	18
108	MP2B	Mx	-.013	18
109	MP2C	X	-18.139	18
110	MP2C	Z	-31.418	18
111	MP2C	Mx	.018	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	6
2	MP3A	Z	-25.6	6
3	MP3A	Mx	-.017	6
4	MP3A	X	0	66
5	MP3A	Z	-25.6	66
6	MP3A	Mx	-.017	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
7	MP3B	X	0	6
8	MP3B	Z	-20.929	6
9	MP3B	Mx	.016	6
10	MP3B	X	0	66
11	MP3B	Z	-20.929	66
12	MP3B	Mx	.016	66
13	MP3C	X	0	6
14	MP3C	Z	-20.929	6
15	MP3C	Mx	-.002	6
16	MP3C	X	0	66
17	MP3C	Z	-20.929	66
18	MP3C	Mx	-.002	66
19	MP3A	X	0	6
20	MP3A	Z	-25.6	6
21	MP3A	Mx	.017	6
22	MP3A	X	0	66
23	MP3A	Z	-25.6	66
24	MP3A	Mx	.017	66
25	MP3B	X	0	6
26	MP3B	Z	-20.929	6
27	MP3B	Mx	.002	6
28	MP3B	X	0	66
29	MP3B	Z	-20.929	66
30	MP3B	Mx	.002	66
31	MP3C	X	0	6
32	MP3C	Z	-20.929	6
33	MP3C	Mx	-.016	6
34	MP3C	X	0	66
35	MP3C	Z	-20.929	66
36	MP3C	Mx	-.016	66
37	MP2A	X	0	24
38	MP2A	Z	-12.635	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	-12.635	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	-7.2	24
45	MP2B	Mx	.003	24
46	MP2B	X	0	48
47	MP2B	Z	-7.2	48
48	MP2B	Mx	.003	48
49	MP2C	X	0	24
50	MP2C	Z	-7.2	24
51	MP2C	Mx	-.003	24
52	MP2C	X	0	48
53	MP2C	Z	-7.2	48
54	MP2C	Mx	-.003	48
55	MP1A	X	0	6
56	MP1A	Z	-12.099	6
57	MP1A	Mx	0	6
58	MP1A	X	0	66
59	MP1A	Z	-12.099	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	-19.935	6
63	MP1B	Mx	.009	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
64	MP1B	X	0	66
65	MP1B	Z	-19.935	66
66	MP1B	Mx	.009	66
67	MP1C	X	0	6
68	MP1C	Z	-19.935	6
69	MP1C	Mx	-.009	6
70	MP1C	X	0	66
71	MP1C	Z	-19.935	66
72	MP1C	Mx	-.009	66
73	MP4A	X	0	6
74	MP4A	Z	-12.099	6
75	MP4A	Mx	0	6
76	MP4A	X	0	66
77	MP4A	Z	-12.099	66
78	MP4A	Mx	0	66
79	MP4B	X	0	6
80	MP4B	Z	-19.935	6
81	MP4B	Mx	.009	6
82	MP4B	X	0	66
83	MP4B	Z	-19.935	66
84	MP4B	Mx	.009	66
85	MP4C	X	0	6
86	MP4C	Z	-19.935	6
87	MP4C	Mx	-.009	6
88	MP4C	X	0	66
89	MP4C	Z	-19.935	66
90	MP4C	Mx	-.009	66
91	MP1A	X	0	30
92	MP1A	Z	-21.886	30
93	MP1A	Mx	0	30
94	MP3A	X	0	18
95	MP3A	Z	-10.657	18
96	MP3A	Mx	0	18
97	MP3B	X	0	18
98	MP3B	Z	-8.227	18
99	MP3B	Mx	-.004	18
100	MP3C	X	0	18
101	MP3C	Z	-8.227	18
102	MP3C	Mx	.004	18
103	MP2A	X	0	18
104	MP2A	Z	-10.657	18
105	MP2A	Mx	0	18
106	MP2B	X	0	18
107	MP2B	Z	-7.79	18
108	MP2B	Mx	-.003	18
109	MP2C	X	0	18
110	MP2C	Z	-7.79	18
111	MP2C	Mx	.003	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	12.022	6
2	MP3A	Z	-20.822	6
3	MP3A	Mx	-.02	6
4	MP3A	X	12.022	66
5	MP3A	Z	-20.822	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP3A	Mx	-.02	66
7	MP3B	X	9.686	6
8	MP3B	Z	-16.776	6
9	MP3B	Mx	.01	6
10	MP3B	X	9.686	66
11	MP3B	Z	-16.776	66
12	MP3B	Mx	.01	66
13	MP3C	X	12.022	6
14	MP3C	Z	-20.822	6
15	MP3C	Mx	.008	6
16	MP3C	X	12.022	66
17	MP3C	Z	-20.822	66
18	MP3C	Mx	.008	66
19	MP3A	X	12.022	6
20	MP3A	Z	-20.822	6
21	MP3A	Mx	.008	6
22	MP3A	X	12.022	66
23	MP3A	Z	-20.822	66
24	MP3A	Mx	.008	66
25	MP3B	X	9.686	6
26	MP3B	Z	-16.776	6
27	MP3B	Mx	.01	6
28	MP3B	X	9.686	66
29	MP3B	Z	-16.776	66
30	MP3B	Mx	.01	66
31	MP3C	X	12.022	6
32	MP3C	Z	-20.822	6
33	MP3C	Mx	-.02	6
34	MP3C	X	12.022	66
35	MP3C	Z	-20.822	66
36	MP3C	Mx	-.02	66
37	MP2A	X	5.412	24
38	MP2A	Z	-9.373	24
39	MP2A	Mx	-.003	24
40	MP2A	X	5.412	48
41	MP2A	Z	-9.373	48
42	MP2A	Mx	-.003	48
43	MP2B	X	2.694	24
44	MP2B	Z	-4.667	24
45	MP2B	Mx	.003	24
46	MP2B	X	2.694	48
47	MP2B	Z	-4.667	48
48	MP2B	Mx	.003	48
49	MP2C	X	5.412	24
50	MP2C	Z	-9.373	24
51	MP2C	Mx	-.003	24
52	MP2C	X	5.412	48
53	MP2C	Z	-9.373	48
54	MP2C	Mx	-.003	48
55	MP1A	X	7.356	6
56	MP1A	Z	-12.741	6
57	MP1A	Mx	-.004	6
58	MP1A	X	7.356	66
59	MP1A	Z	-12.741	66
60	MP1A	Mx	-.004	66
61	MP1B	X	11.274	6
62	MP1B	Z	-19.527	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
63	MP1B	Mx	.011	6
64	MP1B	X	11.274	66
65	MP1B	Z	-19.527	66
66	MP1B	Mx	.011	66
67	MP1C	X	7.356	6
68	MP1C	Z	-12.741	6
69	MP1C	Mx	-.004	6
70	MP1C	X	7.356	66
71	MP1C	Z	-12.741	66
72	MP1C	Mx	-.004	66
73	MP4A	X	7.356	6
74	MP4A	Z	-12.741	6
75	MP4A	Mx	-.004	6
76	MP4A	X	7.356	66
77	MP4A	Z	-12.741	66
78	MP4A	Mx	-.004	66
79	MP4B	X	11.274	6
80	MP4B	Z	-19.527	6
81	MP4B	Mx	.011	6
82	MP4B	X	11.274	66
83	MP4B	Z	-19.527	66
84	MP4B	Mx	.011	66
85	MP4C	X	7.356	6
86	MP4C	Z	-12.741	6
87	MP4C	Mx	-.004	6
88	MP4C	X	7.356	66
89	MP4C	Z	-12.741	66
90	MP4C	Mx	-.004	66
91	MP1A	X	10.347	30
92	MP1A	Z	-17.922	30
93	MP1A	Mx	.005	30
94	MP3A	X	4.924	18
95	MP3A	Z	-8.528	18
96	MP3A	Mx	.002	18
97	MP3B	X	3.709	18
98	MP3B	Z	-6.424	18
99	MP3B	Mx	-.004	18
100	MP3C	X	4.924	18
101	MP3C	Z	-8.528	18
102	MP3C	Mx	.002	18
103	MP2A	X	4.851	18
104	MP2A	Z	-8.402	18
105	MP2A	Mx	.002	18
106	MP2B	X	3.417	18
107	MP2B	Z	-5.919	18
108	MP2B	Mx	-.003	18
109	MP2C	X	4.851	18
110	MP2C	Z	-8.402	18
111	MP2C	Mx	.002	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	18.125	6
2	MP3A	Z	-10.464	6
3	MP3A	Mx	-.016	6
4	MP3A	X	18.125	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP3A	Z	-10.464	66
6	MP3A	Mx	-.016	66
7	MP3B	X	18.125	6
8	MP3B	Z	-10.464	6
9	MP3B	Mx	.002	6
10	MP3B	X	18.125	66
11	MP3B	Z	-10.464	66
12	MP3B	Mx	.002	66
13	MP3C	X	22.171	6
14	MP3C	Z	-12.8	6
15	MP3C	Mx	.017	6
16	MP3C	X	22.171	66
17	MP3C	Z	-12.8	66
18	MP3C	Mx	.017	66
19	MP3A	X	18.125	6
20	MP3A	Z	-10.464	6
21	MP3A	Mx	-.002	6
22	MP3A	X	18.125	66
23	MP3A	Z	-10.464	66
24	MP3A	Mx	-.002	66
25	MP3B	X	18.125	6
26	MP3B	Z	-10.464	6
27	MP3B	Mx	.016	6
28	MP3B	X	18.125	66
29	MP3B	Z	-10.464	66
30	MP3B	Mx	.016	66
31	MP3C	X	22.171	6
32	MP3C	Z	-12.8	6
33	MP3C	Mx	-.017	6
34	MP3C	X	22.171	66
35	MP3C	Z	-12.8	66
36	MP3C	Mx	-.017	66
37	MP2A	X	6.236	24
38	MP2A	Z	-3.6	24
39	MP2A	Mx	-.003	24
40	MP2A	X	6.236	48
41	MP2A	Z	-3.6	48
42	MP2A	Mx	-.003	48
43	MP2B	X	6.236	24
44	MP2B	Z	-3.6	24
45	MP2B	Mx	.003	24
46	MP2B	X	6.236	48
47	MP2B	Z	-3.6	48
48	MP2B	Mx	.003	48
49	MP2C	X	10.942	24
50	MP2C	Z	-6.318	24
51	MP2C	Mx	0	24
52	MP2C	X	10.942	48
53	MP2C	Z	-6.318	48
54	MP2C	Mx	0	48
55	MP1A	X	17.265	6
56	MP1A	Z	-9.968	6
57	MP1A	Mx	-.009	6
58	MP1A	X	17.265	66
59	MP1A	Z	-9.968	66
60	MP1A	Mx	-.009	66
61	MP1B	X	17.265	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
62	MP1B	Z	-9.968	6
63	MP1B	Mx	.009	6
64	MP1B	X	17.265	66
65	MP1B	Z	-9.968	66
66	MP1B	Mx	.009	66
67	MP1C	X	10.478	6
68	MP1C	Z	-6.05	6
69	MP1C	Mx	0	6
70	MP1C	X	10.478	66
71	MP1C	Z	-6.05	66
72	MP1C	Mx	0	66
73	MP4A	X	17.265	6
74	MP4A	Z	-9.968	6
75	MP4A	Mx	-.009	6
76	MP4A	X	17.265	66
77	MP4A	Z	-9.968	66
78	MP4A	Mx	-.009	66
79	MP4B	X	17.265	6
80	MP4B	Z	-9.968	6
81	MP4B	Mx	.009	6
82	MP4B	X	17.265	66
83	MP4B	Z	-9.968	66
84	MP4B	Mx	.009	66
85	MP4C	X	10.478	6
86	MP4C	Z	-6.05	6
87	MP4C	Mx	0	6
88	MP4C	X	10.478	66
89	MP4C	Z	-6.05	66
90	MP4C	Mx	0	66
91	MP1A	X	15.858	30
92	MP1A	Z	-9.156	30
93	MP1A	Mx	.008	30
94	MP3A	X	7.125	18
95	MP3A	Z	-4.114	18
96	MP3A	Mx	.004	18
97	MP3B	X	7.125	18
98	MP3B	Z	-4.114	18
99	MP3B	Mx	-.004	18
100	MP3C	X	9.23	18
101	MP3C	Z	-5.329	18
102	MP3C	Mx	0	18
103	MP2A	X	6.746	18
104	MP2A	Z	-3.895	18
105	MP2A	Mx	.003	18
106	MP2B	X	6.746	18
107	MP2B	Z	-3.895	18
108	MP2B	Mx	-.003	18
109	MP2C	X	9.23	18
110	MP2C	Z	-5.329	18
111	MP2C	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	19.372	6
2	MP3A	Z	0	6
3	MP3A	Mx	-.01	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
4	MP3A	X	19.372	66
5	MP3A	Z	0	66
6	MP3A	Mx	-.01	66
7	MP3B	X	24.043	6
8	MP3B	Z	0	6
9	MP3B	Mx	-.008	6
10	MP3B	X	24.043	66
11	MP3B	Z	0	66
12	MP3B	Mx	-.008	66
13	MP3C	X	24.043	6
14	MP3C	Z	0	6
15	MP3C	Mx	.02	6
16	MP3C	X	24.043	66
17	MP3C	Z	0	66
18	MP3C	Mx	.02	66
19	MP3A	X	19.372	6
20	MP3A	Z	0	6
21	MP3A	Mx	-.01	6
22	MP3A	X	19.372	66
23	MP3A	Z	0	66
24	MP3A	Mx	-.01	66
25	MP3B	X	24.043	6
26	MP3B	Z	0	6
27	MP3B	Mx	.02	6
28	MP3B	X	24.043	66
29	MP3B	Z	0	66
30	MP3B	Mx	.02	66
31	MP3C	X	24.043	6
32	MP3C	Z	0	6
33	MP3C	Mx	-.008	6
34	MP3C	X	24.043	66
35	MP3C	Z	0	66
36	MP3C	Mx	-.008	66
37	MP2A	X	5.389	24
38	MP2A	Z	0	24
39	MP2A	Mx	-.003	24
40	MP2A	X	5.389	48
41	MP2A	Z	0	48
42	MP2A	Mx	-.003	48
43	MP2B	X	10.823	24
44	MP2B	Z	0	24
45	MP2B	Mx	.003	24
46	MP2B	X	10.823	48
47	MP2B	Z	0	48
48	MP2B	Mx	.003	48
49	MP2C	X	10.823	24
50	MP2C	Z	0	24
51	MP2C	Mx	.003	24
52	MP2C	X	10.823	48
53	MP2C	Z	0	48
54	MP2C	Mx	.003	48
55	MP1A	X	22.547	6
56	MP1A	Z	0	6
57	MP1A	Mx	-.011	6
58	MP1A	X	22.547	66
59	MP1A	Z	0	66
60	MP1A	Mx	-.011	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
61	MP1B	X	14.711	6
62	MP1B	Z	0	6
63	MP1B	Mx	.004	6
64	MP1B	X	14.711	66
65	MP1B	Z	0	66
66	MP1B	Mx	.004	66
67	MP1C	X	14.711	6
68	MP1C	Z	0	6
69	MP1C	Mx	.004	6
70	MP1C	X	14.711	66
71	MP1C	Z	0	66
72	MP1C	Mx	.004	66
73	MP4A	X	22.547	6
74	MP4A	Z	0	6
75	MP4A	Mx	-.011	6
76	MP4A	X	22.547	66
77	MP4A	Z	0	66
78	MP4A	Mx	-.011	66
79	MP4B	X	14.711	6
80	MP4B	Z	0	6
81	MP4B	Mx	.004	6
82	MP4B	X	14.711	66
83	MP4B	Z	0	66
84	MP4B	Mx	.004	66
85	MP4C	X	14.711	6
86	MP4C	Z	0	6
87	MP4C	Mx	.004	6
88	MP4C	X	14.711	66
89	MP4C	Z	0	66
90	MP4C	Mx	.004	66
91	MP1A	X	17.12	30
92	MP1A	Z	0	30
93	MP1A	Mx	.009	30
94	MP3A	X	7.417	18
95	MP3A	Z	0	18
96	MP3A	Mx	.004	18
97	MP3B	X	9.847	18
98	MP3B	Z	0	18
99	MP3B	Mx	-.002	18
100	MP3C	X	9.847	18
101	MP3C	Z	0	18
102	MP3C	Mx	-.002	18
103	MP2A	X	6.834	18
104	MP2A	Z	0	18
105	MP2A	Mx	.003	18
106	MP2B	X	9.702	18
107	MP2B	Z	0	18
108	MP2B	Mx	-.002	18
109	MP2C	X	9.702	18
110	MP2C	Z	0	18
111	MP2C	Mx	-.002	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	18.125	6
2	MP3A	Z	10.464	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP3A	Mx	-.002	6
4	MP3A	X	18.125	66
5	MP3A	Z	10.464	66
6	MP3A	Mx	-.002	66
7	MP3B	X	22.171	6
8	MP3B	Z	12.8	6
9	MP3B	Mx	-.017	6
10	MP3B	X	22.171	66
11	MP3B	Z	12.8	66
12	MP3B	Mx	-.017	66
13	MP3C	X	18.125	6
14	MP3C	Z	10.464	6
15	MP3C	Mx	.016	6
16	MP3C	X	18.125	66
17	MP3C	Z	10.464	66
18	MP3C	Mx	.016	66
19	MP3A	X	18.125	6
20	MP3A	Z	10.464	6
21	MP3A	Mx	-.016	6
22	MP3A	X	18.125	66
23	MP3A	Z	10.464	66
24	MP3A	Mx	-.016	66
25	MP3B	X	22.171	6
26	MP3B	Z	12.8	6
27	MP3B	Mx	.017	6
28	MP3B	X	22.171	66
29	MP3B	Z	12.8	66
30	MP3B	Mx	.017	66
31	MP3C	X	18.125	6
32	MP3C	Z	10.464	6
33	MP3C	Mx	.002	6
34	MP3C	X	18.125	66
35	MP3C	Z	10.464	66
36	MP3C	Mx	.002	66
37	MP2A	X	6.236	24
38	MP2A	Z	3.6	24
39	MP2A	Mx	-.003	24
40	MP2A	X	6.236	48
41	MP2A	Z	3.6	48
42	MP2A	Mx	-.003	48
43	MP2B	X	10.942	24
44	MP2B	Z	6.318	24
45	MP2B	Mx	0	24
46	MP2B	X	10.942	48
47	MP2B	Z	6.318	48
48	MP2B	Mx	0	48
49	MP2C	X	6.236	24
50	MP2C	Z	3.6	24
51	MP2C	Mx	.003	24
52	MP2C	X	6.236	48
53	MP2C	Z	3.6	48
54	MP2C	Mx	.003	48
55	MP1A	X	17.265	6
56	MP1A	Z	9.968	6
57	MP1A	Mx	-.009	6
58	MP1A	X	17.265	66
59	MP1A	Z	9.968	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
60	MP1A	Mx	-.009	66
61	MP1B	X	10.478	6
62	MP1B	Z	6.05	6
63	MP1B	Mx	0	6
64	MP1B	X	10.478	66
65	MP1B	Z	6.05	66
66	MP1B	Mx	0	66
67	MP1C	X	17.265	6
68	MP1C	Z	9.968	6
69	MP1C	Mx	.009	6
70	MP1C	X	17.265	66
71	MP1C	Z	9.968	66
72	MP1C	Mx	.009	66
73	MP4A	X	17.265	6
74	MP4A	Z	9.968	6
75	MP4A	Mx	-.009	6
76	MP4A	X	17.265	66
77	MP4A	Z	9.968	66
78	MP4A	Mx	-.009	66
79	MP4B	X	10.478	6
80	MP4B	Z	6.05	6
81	MP4B	Mx	0	6
82	MP4B	X	10.478	66
83	MP4B	Z	6.05	66
84	MP4B	Mx	0	66
85	MP4C	X	17.265	6
86	MP4C	Z	9.968	6
87	MP4C	Mx	.009	6
88	MP4C	X	17.265	66
89	MP4C	Z	9.968	66
90	MP4C	Mx	.009	66
91	MP1A	X	15.858	30
92	MP1A	Z	9.156	30
93	MP1A	Mx	.008	30
94	MP3A	X	7.125	18
95	MP3A	Z	4.114	18
96	MP3A	Mx	.004	18
97	MP3B	X	9.23	18
98	MP3B	Z	5.329	18
99	MP3B	Mx	0	18
100	MP3C	X	7.125	18
101	MP3C	Z	4.114	18
102	MP3C	Mx	-.004	18
103	MP2A	X	6.746	18
104	MP2A	Z	3.895	18
105	MP2A	Mx	.003	18
106	MP2B	X	9.23	18
107	MP2B	Z	5.329	18
108	MP2B	Mx	0	18
109	MP2C	X	6.746	18
110	MP2C	Z	3.895	18
111	MP2C	Mx	-.003	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	12.022	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
2	MP3A	Z	20.822	6
3	MP3A	Mx	.008	6
4	MP3A	X	12.022	66
5	MP3A	Z	20.822	66
6	MP3A	Mx	.008	66
7	MP3B	X	12.022	6
8	MP3B	Z	20.822	6
9	MP3B	Mx	-.02	6
10	MP3B	X	12.022	66
11	MP3B	Z	20.822	66
12	MP3B	Mx	-.02	66
13	MP3C	X	9.686	6
14	MP3C	Z	16.776	6
15	MP3C	Mx	.01	6
16	MP3C	X	9.686	66
17	MP3C	Z	16.776	66
18	MP3C	Mx	.01	66
19	MP3A	X	12.022	6
20	MP3A	Z	20.822	6
21	MP3A	Mx	-.02	6
22	MP3A	X	12.022	66
23	MP3A	Z	20.822	66
24	MP3A	Mx	-.02	66
25	MP3B	X	12.022	6
26	MP3B	Z	20.822	6
27	MP3B	Mx	.008	6
28	MP3B	X	12.022	66
29	MP3B	Z	20.822	66
30	MP3B	Mx	.008	66
31	MP3C	X	9.686	6
32	MP3C	Z	16.776	6
33	MP3C	Mx	.01	6
34	MP3C	X	9.686	66
35	MP3C	Z	16.776	66
36	MP3C	Mx	.01	66
37	MP2A	X	5.412	24
38	MP2A	Z	9.373	24
39	MP2A	Mx	-.003	24
40	MP2A	X	5.412	48
41	MP2A	Z	9.373	48
42	MP2A	Mx	-.003	48
43	MP2B	X	5.412	24
44	MP2B	Z	9.373	24
45	MP2B	Mx	-.003	24
46	MP2B	X	5.412	48
47	MP2B	Z	9.373	48
48	MP2B	Mx	-.003	48
49	MP2C	X	2.694	24
50	MP2C	Z	4.667	24
51	MP2C	Mx	.003	24
52	MP2C	X	2.694	48
53	MP2C	Z	4.667	48
54	MP2C	Mx	.003	48
55	MP1A	X	7.356	6
56	MP1A	Z	12.741	6
57	MP1A	Mx	-.004	6
58	MP1A	X	7.356	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
59	MP1A	Z	12.741	66
60	MP1A	Mx	-.004	66
61	MP1B	X	7.356	6
62	MP1B	Z	12.741	6
63	MP1B	Mx	-.004	6
64	MP1B	X	7.356	66
65	MP1B	Z	12.741	66
66	MP1B	Mx	-.004	66
67	MP1C	X	11.274	6
68	MP1C	Z	19.527	6
69	MP1C	Mx	.011	6
70	MP1C	X	11.274	66
71	MP1C	Z	19.527	66
72	MP1C	Mx	.011	66
73	MP4A	X	7.356	6
74	MP4A	Z	12.741	6
75	MP4A	Mx	-.004	6
76	MP4A	X	7.356	66
77	MP4A	Z	12.741	66
78	MP4A	Mx	-.004	66
79	MP4B	X	7.356	6
80	MP4B	Z	12.741	6
81	MP4B	Mx	-.004	6
82	MP4B	X	7.356	66
83	MP4B	Z	12.741	66
84	MP4B	Mx	-.004	66
85	MP4C	X	11.274	6
86	MP4C	Z	19.527	6
87	MP4C	Mx	.011	6
88	MP4C	X	11.274	66
89	MP4C	Z	19.527	66
90	MP4C	Mx	.011	66
91	MP1A	X	10.347	30
92	MP1A	Z	17.922	30
93	MP1A	Mx	.005	30
94	MP3A	X	4.924	18
95	MP3A	Z	8.528	18
96	MP3A	Mx	.002	18
97	MP3B	X	4.924	18
98	MP3B	Z	8.528	18
99	MP3B	Mx	.002	18
100	MP3C	X	3.709	18
101	MP3C	Z	6.424	18
102	MP3C	Mx	-.004	18
103	MP2A	X	4.851	18
104	MP2A	Z	8.402	18
105	MP2A	Mx	.002	18
106	MP2B	X	4.851	18
107	MP2B	Z	8.402	18
108	MP2B	Mx	.002	18
109	MP2C	X	3.417	18
110	MP2C	Z	5.919	18
111	MP2C	Mx	-.003	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	6
2	MP3A	Z	25.6	6
3	MP3A	Mx	.017	6
4	MP3A	X	0	66
5	MP3A	Z	25.6	66
6	MP3A	Mx	.017	66
7	MP3B	X	0	6
8	MP3B	Z	20.929	6
9	MP3B	Mx	-.016	6
10	MP3B	X	0	66
11	MP3B	Z	20.929	66
12	MP3B	Mx	-.016	66
13	MP3C	X	0	6
14	MP3C	Z	20.929	6
15	MP3C	Mx	.002	6
16	MP3C	X	0	66
17	MP3C	Z	20.929	66
18	MP3C	Mx	.002	66
19	MP3A	X	0	6
20	MP3A	Z	25.6	6
21	MP3A	Mx	-.017	6
22	MP3A	X	0	66
23	MP3A	Z	25.6	66
24	MP3A	Mx	-.017	66
25	MP3B	X	0	6
26	MP3B	Z	20.929	6
27	MP3B	Mx	-.002	6
28	MP3B	X	0	66
29	MP3B	Z	20.929	66
30	MP3B	Mx	-.002	66
31	MP3C	X	0	6
32	MP3C	Z	20.929	6
33	MP3C	Mx	.016	6
34	MP3C	X	0	66
35	MP3C	Z	20.929	66
36	MP3C	Mx	.016	66
37	MP2A	X	0	24
38	MP2A	Z	12.635	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	12.635	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	7.2	24
45	MP2B	Mx	-.003	24
46	MP2B	X	0	48
47	MP2B	Z	7.2	48
48	MP2B	Mx	-.003	48
49	MP2C	X	0	24
50	MP2C	Z	7.2	24
51	MP2C	Mx	.003	24
52	MP2C	X	0	48
53	MP2C	Z	7.2	48
54	MP2C	Mx	.003	48
55	MP1A	X	0	6
56	MP1A	Z	12.099	6
57	MP1A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	0	66
59	MP1A	Z	12.099	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	19.935	6
63	MP1B	Mx	-.009	6
64	MP1B	X	0	66
65	MP1B	Z	19.935	66
66	MP1B	Mx	-.009	66
67	MP1C	X	0	6
68	MP1C	Z	19.935	6
69	MP1C	Mx	.009	6
70	MP1C	X	0	66
71	MP1C	Z	19.935	66
72	MP1C	Mx	.009	66
73	MP4A	X	0	6
74	MP4A	Z	12.099	6
75	MP4A	Mx	0	6
76	MP4A	X	0	66
77	MP4A	Z	12.099	66
78	MP4A	Mx	0	66
79	MP4B	X	0	6
80	MP4B	Z	19.935	6
81	MP4B	Mx	-.009	6
82	MP4B	X	0	66
83	MP4B	Z	19.935	66
84	MP4B	Mx	-.009	66
85	MP4C	X	0	6
86	MP4C	Z	19.935	6
87	MP4C	Mx	.009	6
88	MP4C	X	0	66
89	MP4C	Z	19.935	66
90	MP4C	Mx	.009	66
91	MP1A	X	0	30
92	MP1A	Z	21.886	30
93	MP1A	Mx	0	30
94	MP3A	X	0	18
95	MP3A	Z	10.657	18
96	MP3A	Mx	0	18
97	MP3B	X	0	18
98	MP3B	Z	8.227	18
99	MP3B	Mx	.004	18
100	MP3C	X	0	18
101	MP3C	Z	8.227	18
102	MP3C	Mx	-.004	18
103	MP2A	X	0	18
104	MP2A	Z	10.657	18
105	MP2A	Mx	0	18
106	MP2B	X	0	18
107	MP2B	Z	7.79	18
108	MP2B	Mx	.003	18
109	MP2C	X	0	18
110	MP2C	Z	7.79	18
111	MP2C	Mx	-.003	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-12.022	6
2	MP3A	Z	20.822	6
3	MP3A	Mx	.02	6
4	MP3A	X	-12.022	66
5	MP3A	Z	20.822	66
6	MP3A	Mx	.02	66
7	MP3B	X	-9.686	6
8	MP3B	Z	16.776	6
9	MP3B	Mx	-.01	6
10	MP3B	X	-9.686	66
11	MP3B	Z	16.776	66
12	MP3B	Mx	-.01	66
13	MP3C	X	-12.022	6
14	MP3C	Z	20.822	6
15	MP3C	Mx	-.008	6
16	MP3C	X	-12.022	66
17	MP3C	Z	20.822	66
18	MP3C	Mx	-.008	66
19	MP3A	X	-12.022	6
20	MP3A	Z	20.822	6
21	MP3A	Mx	-.008	6
22	MP3A	X	-12.022	66
23	MP3A	Z	20.822	66
24	MP3A	Mx	-.008	66
25	MP3B	X	-9.686	6
26	MP3B	Z	16.776	6
27	MP3B	Mx	-.01	6
28	MP3B	X	-9.686	66
29	MP3B	Z	16.776	66
30	MP3B	Mx	-.01	66
31	MP3C	X	-12.022	6
32	MP3C	Z	20.822	6
33	MP3C	Mx	.02	6
34	MP3C	X	-12.022	66
35	MP3C	Z	20.822	66
36	MP3C	Mx	.02	66
37	MP2A	X	-5.412	24
38	MP2A	Z	9.373	24
39	MP2A	Mx	.003	24
40	MP2A	X	-5.412	48
41	MP2A	Z	9.373	48
42	MP2A	Mx	.003	48
43	MP2B	X	-2.694	24
44	MP2B	Z	4.667	24
45	MP2B	Mx	-.003	24
46	MP2B	X	-2.694	48
47	MP2B	Z	4.667	48
48	MP2B	Mx	-.003	48
49	MP2C	X	-5.412	24
50	MP2C	Z	9.373	24
51	MP2C	Mx	.003	24
52	MP2C	X	-5.412	48
53	MP2C	Z	9.373	48
54	MP2C	Mx	.003	48
55	MP1A	X	-7.356	6
56	MP1A	Z	12.741	6
57	MP1A	Mx	.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-7.356	66
59	MP1A	Z	12.741	66
60	MP1A	Mx	.004	66
61	MP1B	X	-11.274	6
62	MP1B	Z	19.527	6
63	MP1B	Mx	-.011	6
64	MP1B	X	-11.274	66
65	MP1B	Z	19.527	66
66	MP1B	Mx	-.011	66
67	MP1C	X	-7.356	6
68	MP1C	Z	12.741	6
69	MP1C	Mx	.004	6
70	MP1C	X	-7.356	66
71	MP1C	Z	12.741	66
72	MP1C	Mx	.004	66
73	MP4A	X	-7.356	6
74	MP4A	Z	12.741	6
75	MP4A	Mx	.004	6
76	MP4A	X	-7.356	66
77	MP4A	Z	12.741	66
78	MP4A	Mx	.004	66
79	MP4B	X	-11.274	6
80	MP4B	Z	19.527	6
81	MP4B	Mx	-.011	6
82	MP4B	X	-11.274	66
83	MP4B	Z	19.527	66
84	MP4B	Mx	-.011	66
85	MP4C	X	-7.356	6
86	MP4C	Z	12.741	6
87	MP4C	Mx	.004	6
88	MP4C	X	-7.356	66
89	MP4C	Z	12.741	66
90	MP4C	Mx	.004	66
91	MP1A	X	-10.347	30
92	MP1A	Z	17.922	30
93	MP1A	Mx	-.005	30
94	MP3A	X	-4.924	18
95	MP3A	Z	8.528	18
96	MP3A	Mx	-.002	18
97	MP3B	X	-3.709	18
98	MP3B	Z	6.424	18
99	MP3B	Mx	.004	18
100	MP3C	X	-4.924	18
101	MP3C	Z	8.528	18
102	MP3C	Mx	-.002	18
103	MP2A	X	-4.851	18
104	MP2A	Z	8.402	18
105	MP2A	Mx	-.002	18
106	MP2B	X	-3.417	18
107	MP2B	Z	5.919	18
108	MP2B	Mx	.003	18
109	MP2C	X	-4.851	18
110	MP2C	Z	8.402	18
111	MP2C	Mx	-.002	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-18.125	6
2	MP3A	Z	10.464	6
3	MP3A	Mx	.016	6
4	MP3A	X	-18.125	66
5	MP3A	Z	10.464	66
6	MP3A	Mx	.016	66
7	MP3B	X	-18.125	6
8	MP3B	Z	10.464	6
9	MP3B	Mx	-.002	6
10	MP3B	X	-18.125	66
11	MP3B	Z	10.464	66
12	MP3B	Mx	-.002	66
13	MP3C	X	-22.171	6
14	MP3C	Z	12.8	6
15	MP3C	Mx	-.017	6
16	MP3C	X	-22.171	66
17	MP3C	Z	12.8	66
18	MP3C	Mx	-.017	66
19	MP3A	X	-18.125	6
20	MP3A	Z	10.464	6
21	MP3A	Mx	.002	6
22	MP3A	X	-18.125	66
23	MP3A	Z	10.464	66
24	MP3A	Mx	.002	66
25	MP3B	X	-18.125	6
26	MP3B	Z	10.464	6
27	MP3B	Mx	-.016	6
28	MP3B	X	-18.125	66
29	MP3B	Z	10.464	66
30	MP3B	Mx	-.016	66
31	MP3C	X	-22.171	6
32	MP3C	Z	12.8	6
33	MP3C	Mx	.017	6
34	MP3C	X	-22.171	66
35	MP3C	Z	12.8	66
36	MP3C	Mx	.017	66
37	MP2A	X	-6.236	24
38	MP2A	Z	3.6	24
39	MP2A	Mx	.003	24
40	MP2A	X	-6.236	48
41	MP2A	Z	3.6	48
42	MP2A	Mx	.003	48
43	MP2B	X	-6.236	24
44	MP2B	Z	3.6	24
45	MP2B	Mx	-.003	24
46	MP2B	X	-6.236	48
47	MP2B	Z	3.6	48
48	MP2B	Mx	-.003	48
49	MP2C	X	-10.942	24
50	MP2C	Z	6.318	24
51	MP2C	Mx	0	24
52	MP2C	X	-10.942	48
53	MP2C	Z	6.318	48
54	MP2C	Mx	0	48
55	MP1A	X	-17.265	6
56	MP1A	Z	9.968	6
57	MP1A	Mx	.009	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-17.265	66
59	MP1A	Z	9.968	66
60	MP1A	Mx	.009	66
61	MP1B	X	-17.265	6
62	MP1B	Z	9.968	6
63	MP1B	Mx	-.009	6
64	MP1B	X	-17.265	66
65	MP1B	Z	9.968	66
66	MP1B	Mx	-.009	66
67	MP1C	X	-10.478	6
68	MP1C	Z	6.05	6
69	MP1C	Mx	0	6
70	MP1C	X	-10.478	66
71	MP1C	Z	6.05	66
72	MP1C	Mx	0	66
73	MP4A	X	-17.265	6
74	MP4A	Z	9.968	6
75	MP4A	Mx	.009	6
76	MP4A	X	-17.265	66
77	MP4A	Z	9.968	66
78	MP4A	Mx	.009	66
79	MP4B	X	-17.265	6
80	MP4B	Z	9.968	6
81	MP4B	Mx	-.009	6
82	MP4B	X	-17.265	66
83	MP4B	Z	9.968	66
84	MP4B	Mx	-.009	66
85	MP4C	X	-10.478	6
86	MP4C	Z	6.05	6
87	MP4C	Mx	0	6
88	MP4C	X	-10.478	66
89	MP4C	Z	6.05	66
90	MP4C	Mx	0	66
91	MP1A	X	-15.858	30
92	MP1A	Z	9.156	30
93	MP1A	Mx	-.008	30
94	MP3A	X	-7.125	18
95	MP3A	Z	4.114	18
96	MP3A	Mx	-.004	18
97	MP3B	X	-7.125	18
98	MP3B	Z	4.114	18
99	MP3B	Mx	.004	18
100	MP3C	X	-9.23	18
101	MP3C	Z	5.329	18
102	MP3C	Mx	0	18
103	MP2A	X	-6.746	18
104	MP2A	Z	3.895	18
105	MP2A	Mx	-.003	18
106	MP2B	X	-6.746	18
107	MP2B	Z	3.895	18
108	MP2B	Mx	.003	18
109	MP2C	X	-9.23	18
110	MP2C	Z	5.329	18
111	MP2C	Mx	0	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-19.372	6
2	MP3A	Z	0	6
3	MP3A	Mx	.01	6
4	MP3A	X	-19.372	66
5	MP3A	Z	0	66
6	MP3A	Mx	.01	66
7	MP3B	X	-24.043	6
8	MP3B	Z	0	6
9	MP3B	Mx	.008	6
10	MP3B	X	-24.043	66
11	MP3B	Z	0	66
12	MP3B	Mx	.008	66
13	MP3C	X	-24.043	6
14	MP3C	Z	0	6
15	MP3C	Mx	-.02	6
16	MP3C	X	-24.043	66
17	MP3C	Z	0	66
18	MP3C	Mx	-.02	66
19	MP3A	X	-19.372	6
20	MP3A	Z	0	6
21	MP3A	Mx	.01	6
22	MP3A	X	-19.372	66
23	MP3A	Z	0	66
24	MP3A	Mx	.01	66
25	MP3B	X	-24.043	6
26	MP3B	Z	0	6
27	MP3B	Mx	-.02	6
28	MP3B	X	-24.043	66
29	MP3B	Z	0	66
30	MP3B	Mx	-.02	66
31	MP3C	X	-24.043	6
32	MP3C	Z	0	6
33	MP3C	Mx	.008	6
34	MP3C	X	-24.043	66
35	MP3C	Z	0	66
36	MP3C	Mx	.008	66
37	MP2A	X	-5.389	24
38	MP2A	Z	0	24
39	MP2A	Mx	.003	24
40	MP2A	X	-5.389	48
41	MP2A	Z	0	48
42	MP2A	Mx	.003	48
43	MP2B	X	-10.823	24
44	MP2B	Z	0	24
45	MP2B	Mx	-.003	24
46	MP2B	X	-10.823	48
47	MP2B	Z	0	48
48	MP2B	Mx	-.003	48
49	MP2C	X	-10.823	24
50	MP2C	Z	0	24
51	MP2C	Mx	-.003	24
52	MP2C	X	-10.823	48
53	MP2C	Z	0	48
54	MP2C	Mx	-.003	48
55	MP1A	X	-22.547	6
56	MP1A	Z	0	6
57	MP1A	Mx	.011	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-22.547	66
59	MP1A	Z	0	66
60	MP1A	Mx	.011	66
61	MP1B	X	-14.711	6
62	MP1B	Z	0	6
63	MP1B	Mx	-.004	6
64	MP1B	X	-14.711	66
65	MP1B	Z	0	66
66	MP1B	Mx	-.004	66
67	MP1C	X	-14.711	6
68	MP1C	Z	0	6
69	MP1C	Mx	-.004	6
70	MP1C	X	-14.711	66
71	MP1C	Z	0	66
72	MP1C	Mx	-.004	66
73	MP4A	X	-22.547	6
74	MP4A	Z	0	6
75	MP4A	Mx	.011	6
76	MP4A	X	-22.547	66
77	MP4A	Z	0	66
78	MP4A	Mx	.011	66
79	MP4B	X	-14.711	6
80	MP4B	Z	0	6
81	MP4B	Mx	-.004	6
82	MP4B	X	-14.711	66
83	MP4B	Z	0	66
84	MP4B	Mx	-.004	66
85	MP4C	X	-14.711	6
86	MP4C	Z	0	6
87	MP4C	Mx	-.004	6
88	MP4C	X	-14.711	66
89	MP4C	Z	0	66
90	MP4C	Mx	-.004	66
91	MP1A	X	-17.12	30
92	MP1A	Z	0	30
93	MP1A	Mx	-.009	30
94	MP3A	X	-7.417	18
95	MP3A	Z	0	18
96	MP3A	Mx	-.004	18
97	MP3B	X	-9.847	18
98	MP3B	Z	0	18
99	MP3B	Mx	.002	18
100	MP3C	X	-9.847	18
101	MP3C	Z	0	18
102	MP3C	Mx	.002	18
103	MP2A	X	-6.834	18
104	MP2A	Z	0	18
105	MP2A	Mx	-.003	18
106	MP2B	X	-9.702	18
107	MP2B	Z	0	18
108	MP2B	Mx	.002	18
109	MP2C	X	-9.702	18
110	MP2C	Z	0	18
111	MP2C	Mx	.002	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-18.125	6
2	MP3A	Z	-10.464	6
3	MP3A	Mx	.002	6
4	MP3A	X	-18.125	66
5	MP3A	Z	-10.464	66
6	MP3A	Mx	.002	66
7	MP3B	X	-22.171	6
8	MP3B	Z	-12.8	6
9	MP3B	Mx	.017	6
10	MP3B	X	-22.171	66
11	MP3B	Z	-12.8	66
12	MP3B	Mx	.017	66
13	MP3C	X	-18.125	6
14	MP3C	Z	-10.464	6
15	MP3C	Mx	-.016	6
16	MP3C	X	-18.125	66
17	MP3C	Z	-10.464	66
18	MP3C	Mx	-.016	66
19	MP3A	X	-18.125	6
20	MP3A	Z	-10.464	6
21	MP3A	Mx	.016	6
22	MP3A	X	-18.125	66
23	MP3A	Z	-10.464	66
24	MP3A	Mx	.016	66
25	MP3B	X	-22.171	6
26	MP3B	Z	-12.8	6
27	MP3B	Mx	-.017	6
28	MP3B	X	-22.171	66
29	MP3B	Z	-12.8	66
30	MP3B	Mx	-.017	66
31	MP3C	X	-18.125	6
32	MP3C	Z	-10.464	6
33	MP3C	Mx	-.002	6
34	MP3C	X	-18.125	66
35	MP3C	Z	-10.464	66
36	MP3C	Mx	-.002	66
37	MP2A	X	-6.236	24
38	MP2A	Z	-3.6	24
39	MP2A	Mx	.003	24
40	MP2A	X	-6.236	48
41	MP2A	Z	-3.6	48
42	MP2A	Mx	.003	48
43	MP2B	X	-10.942	24
44	MP2B	Z	-6.318	24
45	MP2B	Mx	0	24
46	MP2B	X	-10.942	48
47	MP2B	Z	-6.318	48
48	MP2B	Mx	0	48
49	MP2C	X	-6.236	24
50	MP2C	Z	-3.6	24
51	MP2C	Mx	-.003	24
52	MP2C	X	-6.236	48
53	MP2C	Z	-3.6	48
54	MP2C	Mx	-.003	48
55	MP1A	X	-17.265	6
56	MP1A	Z	-9.968	6
57	MP1A	Mx	.009	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-17.265	66
59	MP1A	Z	-9.968	66
60	MP1A	Mx	.009	66
61	MP1B	X	-10.478	6
62	MP1B	Z	-6.05	6
63	MP1B	Mx	0	6
64	MP1B	X	-10.478	66
65	MP1B	Z	-6.05	66
66	MP1B	Mx	0	66
67	MP1C	X	-17.265	6
68	MP1C	Z	-9.968	6
69	MP1C	Mx	-.009	6
70	MP1C	X	-17.265	66
71	MP1C	Z	-9.968	66
72	MP1C	Mx	-.009	66
73	MP4A	X	-17.265	6
74	MP4A	Z	-9.968	6
75	MP4A	Mx	.009	6
76	MP4A	X	-17.265	66
77	MP4A	Z	-9.968	66
78	MP4A	Mx	.009	66
79	MP4B	X	-10.478	6
80	MP4B	Z	-6.05	6
81	MP4B	Mx	0	6
82	MP4B	X	-10.478	66
83	MP4B	Z	-6.05	66
84	MP4B	Mx	0	66
85	MP4C	X	-17.265	6
86	MP4C	Z	-9.968	6
87	MP4C	Mx	-.009	6
88	MP4C	X	-17.265	66
89	MP4C	Z	-9.968	66
90	MP4C	Mx	-.009	66
91	MP1A	X	-15.858	30
92	MP1A	Z	-9.156	30
93	MP1A	Mx	-.008	30
94	MP3A	X	-7.125	18
95	MP3A	Z	-4.114	18
96	MP3A	Mx	-.004	18
97	MP3B	X	-9.23	18
98	MP3B	Z	-5.329	18
99	MP3B	Mx	0	18
100	MP3C	X	-7.125	18
101	MP3C	Z	-4.114	18
102	MP3C	Mx	.004	18
103	MP2A	X	-6.746	18
104	MP2A	Z	-3.895	18
105	MP2A	Mx	-.003	18
106	MP2B	X	-9.23	18
107	MP2B	Z	-5.329	18
108	MP2B	Mx	0	18
109	MP2C	X	-6.746	18
110	MP2C	Z	-3.895	18
111	MP2C	Mx	.003	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-12.022	6
2	MP3A	Z	-20.822	6
3	MP3A	Mx	-.008	6
4	MP3A	X	-12.022	66
5	MP3A	Z	-20.822	66
6	MP3A	Mx	-.008	66
7	MP3B	X	-12.022	6
8	MP3B	Z	-20.822	6
9	MP3B	Mx	.02	6
10	MP3B	X	-12.022	66
11	MP3B	Z	-20.822	66
12	MP3B	Mx	.02	66
13	MP3C	X	-9.686	6
14	MP3C	Z	-16.776	6
15	MP3C	Mx	-.01	6
16	MP3C	X	-9.686	66
17	MP3C	Z	-16.776	66
18	MP3C	Mx	-.01	66
19	MP3A	X	-12.022	6
20	MP3A	Z	-20.822	6
21	MP3A	Mx	.02	6
22	MP3A	X	-12.022	66
23	MP3A	Z	-20.822	66
24	MP3A	Mx	.02	66
25	MP3B	X	-12.022	6
26	MP3B	Z	-20.822	6
27	MP3B	Mx	-.008	6
28	MP3B	X	-12.022	66
29	MP3B	Z	-20.822	66
30	MP3B	Mx	-.008	66
31	MP3C	X	-9.686	6
32	MP3C	Z	-16.776	6
33	MP3C	Mx	-.01	6
34	MP3C	X	-9.686	66
35	MP3C	Z	-16.776	66
36	MP3C	Mx	-.01	66
37	MP2A	X	-5.412	24
38	MP2A	Z	-9.373	24
39	MP2A	Mx	.003	24
40	MP2A	X	-5.412	48
41	MP2A	Z	-9.373	48
42	MP2A	Mx	.003	48
43	MP2B	X	-5.412	24
44	MP2B	Z	-9.373	24
45	MP2B	Mx	.003	24
46	MP2B	X	-5.412	48
47	MP2B	Z	-9.373	48
48	MP2B	Mx	.003	48
49	MP2C	X	-2.694	24
50	MP2C	Z	-4.667	24
51	MP2C	Mx	-.003	24
52	MP2C	X	-2.694	48
53	MP2C	Z	-4.667	48
54	MP2C	Mx	-.003	48
55	MP1A	X	-7.356	6
56	MP1A	Z	-12.741	6
57	MP1A	Mx	.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-7.356	66
59	MP1A	Z	-12.741	66
60	MP1A	Mx	.004	66
61	MP1B	X	-7.356	6
62	MP1B	Z	-12.741	6
63	MP1B	Mx	.004	6
64	MP1B	X	-7.356	66
65	MP1B	Z	-12.741	66
66	MP1B	Mx	.004	66
67	MP1C	X	-11.274	6
68	MP1C	Z	-19.527	6
69	MP1C	Mx	-.011	6
70	MP1C	X	-11.274	66
71	MP1C	Z	-19.527	66
72	MP1C	Mx	-.011	66
73	MP4A	X	-7.356	6
74	MP4A	Z	-12.741	6
75	MP4A	Mx	.004	6
76	MP4A	X	-7.356	66
77	MP4A	Z	-12.741	66
78	MP4A	Mx	.004	66
79	MP4B	X	-7.356	6
80	MP4B	Z	-12.741	6
81	MP4B	Mx	.004	6
82	MP4B	X	-7.356	66
83	MP4B	Z	-12.741	66
84	MP4B	Mx	.004	66
85	MP4C	X	-11.274	6
86	MP4C	Z	-19.527	6
87	MP4C	Mx	-.011	6
88	MP4C	X	-11.274	66
89	MP4C	Z	-19.527	66
90	MP4C	Mx	-.011	66
91	MP1A	X	-10.347	30
92	MP1A	Z	-17.922	30
93	MP1A	Mx	-.005	30
94	MP3A	X	-4.924	18
95	MP3A	Z	-8.528	18
96	MP3A	Mx	-.002	18
97	MP3B	X	-4.924	18
98	MP3B	Z	-8.528	18
99	MP3B	Mx	-.002	18
100	MP3C	X	-3.709	18
101	MP3C	Z	-6.424	18
102	MP3C	Mx	.004	18
103	MP2A	X	-4.851	18
104	MP2A	Z	-8.402	18
105	MP2A	Mx	-.002	18
106	MP2B	X	-4.851	18
107	MP2B	Z	-8.402	18
108	MP2B	Mx	-.002	18
109	MP2C	X	-3.417	18
110	MP2C	Z	-5.919	18
111	MP2C	Mx	.003	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	6
2	MP3A	Z	-6.321	6
3	MP3A	Mx	-.004	6
4	MP3A	X	0	66
5	MP3A	Z	-6.321	66
6	MP3A	Mx	-.004	66
7	MP3B	X	0	6
8	MP3B	Z	-5.128	6
9	MP3B	Mx	.004	6
10	MP3B	X	0	66
11	MP3B	Z	-5.128	66
12	MP3B	Mx	.004	66
13	MP3C	X	0	6
14	MP3C	Z	-5.128	6
15	MP3C	Mx	-.000511	6
16	MP3C	X	0	66
17	MP3C	Z	-5.128	66
18	MP3C	Mx	-.000511	66
19	MP3A	X	0	6
20	MP3A	Z	-6.321	6
21	MP3A	Mx	.004	6
22	MP3A	X	0	66
23	MP3A	Z	-6.321	66
24	MP3A	Mx	.004	66
25	MP3B	X	0	6
26	MP3B	Z	-5.128	6
27	MP3B	Mx	.000511	6
28	MP3B	X	0	66
29	MP3B	Z	-5.128	66
30	MP3B	Mx	.000511	66
31	MP3C	X	0	6
32	MP3C	Z	-5.128	6
33	MP3C	Mx	-.004	6
34	MP3C	X	0	66
35	MP3C	Z	-5.128	66
36	MP3C	Mx	-.004	66
37	MP2A	X	0	24
38	MP2A	Z	-5.238	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	-5.238	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	-2.663	24
45	MP2B	Mx	.001	24
46	MP2B	X	0	48
47	MP2B	Z	-2.663	48
48	MP2B	Mx	.001	48
49	MP2C	X	0	24
50	MP2C	Z	-2.663	24
51	MP2C	Mx	-.001	24
52	MP2C	X	0	48
53	MP2C	Z	-2.663	48
54	MP2C	Mx	-.001	48
55	MP1A	X	0	6
56	MP1A	Z	-5.786	6
57	MP1A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	0	66
59	MP1A	Z	-5.786	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	-10.094	6
63	MP1B	Mx	.004	6
64	MP1B	X	0	66
65	MP1B	Z	-10.094	66
66	MP1B	Mx	.004	66
67	MP1C	X	0	6
68	MP1C	Z	-10.094	6
69	MP1C	Mx	-.004	6
70	MP1C	X	0	66
71	MP1C	Z	-10.094	66
72	MP1C	Mx	-.004	66
73	MP4A	X	0	6
74	MP4A	Z	-5.786	6
75	MP4A	Mx	0	6
76	MP4A	X	0	66
77	MP4A	Z	-5.786	66
78	MP4A	Mx	0	66
79	MP4B	X	0	6
80	MP4B	Z	-10.094	6
81	MP4B	Mx	.004	6
82	MP4B	X	0	66
83	MP4B	Z	-10.094	66
84	MP4B	Mx	.004	66
85	MP4C	X	0	6
86	MP4C	Z	-10.094	6
87	MP4C	Mx	-.004	6
88	MP4C	X	0	66
89	MP4C	Z	-10.094	66
90	MP4C	Mx	-.004	66
91	MP1A	X	0	30
92	MP1A	Z	-8.472	30
93	MP1A	Mx	0	30
94	MP3A	X	0	18
95	MP3A	Z	-4.143	18
96	MP3A	Mx	0	18
97	MP3B	X	0	18
98	MP3B	Z	-3.12	18
99	MP3B	Mx	-.001	18
100	MP3C	X	0	18
101	MP3C	Z	-3.12	18
102	MP3C	Mx	.001	18
103	MP2A	X	0	18
104	MP2A	Z	-4.143	18
105	MP2A	Mx	0	18
106	MP2B	X	0	18
107	MP2B	Z	-2.92	18
108	MP2B	Mx	-.001	18
109	MP2C	X	0	18
110	MP2C	Z	-2.92	18
111	MP2C	Mx	.001	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.962	6
2	MP3A	Z	-5.13	6
3	MP3A	Mx	-.005	6
4	MP3A	X	2.962	66
5	MP3A	Z	-5.13	66
6	MP3A	Mx	-.005	66
7	MP3B	X	2.365	6
8	MP3B	Z	-4.097	6
9	MP3B	Mx	.002	6
10	MP3B	X	2.365	66
11	MP3B	Z	-4.097	66
12	MP3B	Mx	.002	66
13	MP3C	X	2.962	6
14	MP3C	Z	-5.13	6
15	MP3C	Mx	.002	6
16	MP3C	X	2.962	66
17	MP3C	Z	-5.13	66
18	MP3C	Mx	.002	66
19	MP3A	X	2.962	6
20	MP3A	Z	-5.13	6
21	MP3A	Mx	.002	6
22	MP3A	X	2.962	66
23	MP3A	Z	-5.13	66
24	MP3A	Mx	.002	66
25	MP3B	X	2.365	6
26	MP3B	Z	-4.097	6
27	MP3B	Mx	.002	6
28	MP3B	X	2.365	66
29	MP3B	Z	-4.097	66
30	MP3B	Mx	.002	66
31	MP3C	X	2.962	6
32	MP3C	Z	-5.13	6
33	MP3C	Mx	-.005	6
34	MP3C	X	2.962	66
35	MP3C	Z	-5.13	66
36	MP3C	Mx	-.005	66
37	MP2A	X	2.19	24
38	MP2A	Z	-3.793	24
39	MP2A	Mx	-.001	24
40	MP2A	X	2.19	48
41	MP2A	Z	-3.793	48
42	MP2A	Mx	-.001	48
43	MP2B	X	.902	24
44	MP2B	Z	-1.562	24
45	MP2B	Mx	.000902	24
46	MP2B	X	.902	48
47	MP2B	Z	-1.562	48
48	MP2B	Mx	.000902	48
49	MP2C	X	2.19	24
50	MP2C	Z	-3.793	24
51	MP2C	Mx	-.001	24
52	MP2C	X	2.19	48
53	MP2C	Z	-3.793	48
54	MP2C	Mx	-.001	48
55	MP1A	X	3.611	6
56	MP1A	Z	-6.255	6
57	MP1A	Mx	-.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	3.611	66
59	MP1A	Z	-6.255	66
60	MP1A	Mx	-.002	66
61	MP1B	X	5.765	6
62	MP1B	Z	-9.986	6
63	MP1B	Mx	.006	6
64	MP1B	X	5.765	66
65	MP1B	Z	-9.986	66
66	MP1B	Mx	.006	66
67	MP1C	X	3.611	6
68	MP1C	Z	-6.255	6
69	MP1C	Mx	-.002	6
70	MP1C	X	3.611	66
71	MP1C	Z	-6.255	66
72	MP1C	Mx	-.002	66
73	MP4A	X	3.611	6
74	MP4A	Z	-6.255	6
75	MP4A	Mx	-.002	6
76	MP4A	X	3.611	66
77	MP4A	Z	-6.255	66
78	MP4A	Mx	-.002	66
79	MP4B	X	5.765	6
80	MP4B	Z	-9.986	6
81	MP4B	Mx	.006	6
82	MP4B	X	5.765	66
83	MP4B	Z	-9.986	66
84	MP4B	Mx	.006	66
85	MP4C	X	3.611	6
86	MP4C	Z	-6.255	6
87	MP4C	Mx	-.002	6
88	MP4C	X	3.611	66
89	MP4C	Z	-6.255	66
90	MP4C	Mx	-.002	66
91	MP1A	X	3.982	30
92	MP1A	Z	-6.898	30
93	MP1A	Mx	.002	30
94	MP3A	X	1.901	18
95	MP3A	Z	-3.293	18
96	MP3A	Mx	.000951	18
97	MP3B	X	1.39	18
98	MP3B	Z	-2.407	18
99	MP3B	Mx	-.001	18
100	MP3C	X	1.901	18
101	MP3C	Z	-3.293	18
102	MP3C	Mx	.000951	18
103	MP2A	X	1.868	18
104	MP2A	Z	-3.235	18
105	MP2A	Mx	.000934	18
106	MP2B	X	1.256	18
107	MP2B	Z	-2.176	18
108	MP2B	Mx	-.001	18
109	MP2C	X	1.868	18
110	MP2C	Z	-3.235	18
111	MP2C	Mx	.000934	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	4.441	6
2	MP3A	Z	-2.564	6
3	MP3A	Mx	-.004	6
4	MP3A	X	4.441	66
5	MP3A	Z	-2.564	66
6	MP3A	Mx	-.004	66
7	MP3B	X	4.441	6
8	MP3B	Z	-2.564	6
9	MP3B	Mx	.000511	6
10	MP3B	X	4.441	66
11	MP3B	Z	-2.564	66
12	MP3B	Mx	.000511	66
13	MP3C	X	5.474	6
14	MP3C	Z	-3.16	6
15	MP3C	Mx	.004	6
16	MP3C	X	5.474	66
17	MP3C	Z	-3.16	66
18	MP3C	Mx	.004	66
19	MP3A	X	4.441	6
20	MP3A	Z	-2.564	6
21	MP3A	Mx	-.000511	6
22	MP3A	X	4.441	66
23	MP3A	Z	-2.564	66
24	MP3A	Mx	-.000511	66
25	MP3B	X	4.441	6
26	MP3B	Z	-2.564	6
27	MP3B	Mx	.004	6
28	MP3B	X	4.441	66
29	MP3B	Z	-2.564	66
30	MP3B	Mx	.004	66
31	MP3C	X	5.474	6
32	MP3C	Z	-3.16	6
33	MP3C	Mx	-.004	6
34	MP3C	X	5.474	66
35	MP3C	Z	-3.16	66
36	MP3C	Mx	-.004	66
37	MP2A	X	2.306	24
38	MP2A	Z	-1.331	24
39	MP2A	Mx	-.001	24
40	MP2A	X	2.306	48
41	MP2A	Z	-1.331	48
42	MP2A	Mx	-.001	48
43	MP2B	X	2.306	24
44	MP2B	Z	-1.331	24
45	MP2B	Mx	.001	24
46	MP2B	X	2.306	48
47	MP2B	Z	-1.331	48
48	MP2B	Mx	.001	48
49	MP2C	X	4.537	24
50	MP2C	Z	-2.619	24
51	MP2C	Mx	0	24
52	MP2C	X	4.537	48
53	MP2C	Z	-2.619	48
54	MP2C	Mx	0	48
55	MP1A	X	8.742	6
56	MP1A	Z	-5.047	6
57	MP1A	Mx	-.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	8.742	66
59	MP1A	Z	-5.047	66
60	MP1A	Mx	-.004	66
61	MP1B	X	8.742	6
62	MP1B	Z	-5.047	6
63	MP1B	Mx	.004	6
64	MP1B	X	8.742	66
65	MP1B	Z	-5.047	66
66	MP1B	Mx	.004	66
67	MP1C	X	5.011	6
68	MP1C	Z	-2.893	6
69	MP1C	Mx	0	6
70	MP1C	X	5.011	66
71	MP1C	Z	-2.893	66
72	MP1C	Mx	0	66
73	MP4A	X	8.742	6
74	MP4A	Z	-5.047	6
75	MP4A	Mx	-.004	6
76	MP4A	X	8.742	66
77	MP4A	Z	-5.047	66
78	MP4A	Mx	-.004	66
79	MP4B	X	8.742	6
80	MP4B	Z	-5.047	6
81	MP4B	Mx	.004	6
82	MP4B	X	8.742	66
83	MP4B	Z	-5.047	66
84	MP4B	Mx	.004	66
85	MP4C	X	5.011	6
86	MP4C	Z	-2.893	6
87	MP4C	Mx	0	6
88	MP4C	X	5.011	66
89	MP4C	Z	-2.893	66
90	MP4C	Mx	0	66
91	MP1A	X	6.018	30
92	MP1A	Z	-3.474	30
93	MP1A	Mx	.003	30
94	MP3A	X	2.702	18
95	MP3A	Z	-1.56	18
96	MP3A	Mx	.001	18
97	MP3B	X	2.702	18
98	MP3B	Z	-1.56	18
99	MP3B	Mx	-.001	18
100	MP3C	X	3.588	18
101	MP3C	Z	-2.071	18
102	MP3C	Mx	0	18
103	MP2A	X	2.529	18
104	MP2A	Z	-1.46	18
105	MP2A	Mx	.001	18
106	MP2B	X	2.529	18
107	MP2B	Z	-1.46	18
108	MP2B	Mx	-.001	18
109	MP2C	X	3.588	18
110	MP2C	Z	-2.071	18
111	MP2C	Mx	0	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	4.731	6
2	MP3A	Z	0	6
3	MP3A	Mx	-.002	6
4	MP3A	X	4.731	66
5	MP3A	Z	0	66
6	MP3A	Mx	-.002	66
7	MP3B	X	5.923	6
8	MP3B	Z	0	6
9	MP3B	Mx	-.002	6
10	MP3B	X	5.923	66
11	MP3B	Z	0	66
12	MP3B	Mx	-.002	66
13	MP3C	X	5.923	6
14	MP3C	Z	0	6
15	MP3C	Mx	.005	6
16	MP3C	X	5.923	66
17	MP3C	Z	0	66
18	MP3C	Mx	.005	66
19	MP3A	X	4.731	6
20	MP3A	Z	0	6
21	MP3A	Mx	-.002	6
22	MP3A	X	4.731	66
23	MP3A	Z	0	66
24	MP3A	Mx	-.002	66
25	MP3B	X	5.923	6
26	MP3B	Z	0	6
27	MP3B	Mx	.005	6
28	MP3B	X	5.923	66
29	MP3B	Z	0	66
30	MP3B	Mx	.005	66
31	MP3C	X	5.923	6
32	MP3C	Z	0	6
33	MP3C	Mx	-.002	6
34	MP3C	X	5.923	66
35	MP3C	Z	0	66
36	MP3C	Mx	-.002	66
37	MP2A	X	1.804	24
38	MP2A	Z	0	24
39	MP2A	Mx	-.000902	24
40	MP2A	X	1.804	48
41	MP2A	Z	0	48
42	MP2A	Mx	-.000902	48
43	MP2B	X	4.38	24
44	MP2B	Z	0	24
45	MP2B	Mx	.001	24
46	MP2B	X	4.38	48
47	MP2B	Z	0	48
48	MP2B	Mx	.001	48
49	MP2C	X	4.38	24
50	MP2C	Z	0	24
51	MP2C	Mx	.001	24
52	MP2C	X	4.38	48
53	MP2C	Z	0	48
54	MP2C	Mx	.001	48
55	MP1A	X	11.53	6
56	MP1A	Z	0	6
57	MP1A	Mx	-.006	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	11.53	66
59	MP1A	Z	0	66
60	MP1A	Mx	-.006	66
61	MP1B	X	7.222	6
62	MP1B	Z	0	6
63	MP1B	Mx	.002	6
64	MP1B	X	7.222	66
65	MP1B	Z	0	66
66	MP1B	Mx	.002	66
67	MP1C	X	7.222	6
68	MP1C	Z	0	6
69	MP1C	Mx	.002	6
70	MP1C	X	7.222	66
71	MP1C	Z	0	66
72	MP1C	Mx	.002	66
73	MP4A	X	11.53	6
74	MP4A	Z	0	6
75	MP4A	Mx	-.006	6
76	MP4A	X	11.53	66
77	MP4A	Z	0	66
78	MP4A	Mx	-.006	66
79	MP4B	X	7.222	6
80	MP4B	Z	0	6
81	MP4B	Mx	.002	6
82	MP4B	X	7.222	66
83	MP4B	Z	0	66
84	MP4B	Mx	.002	66
85	MP4C	X	7.222	6
86	MP4C	Z	0	6
87	MP4C	Mx	.002	6
88	MP4C	X	7.222	66
89	MP4C	Z	0	66
90	MP4C	Mx	.002	66
91	MP1A	X	6.441	30
92	MP1A	Z	0	30
93	MP1A	Mx	.003	30
94	MP3A	X	2.78	18
95	MP3A	Z	0	18
96	MP3A	Mx	.001	18
97	MP3B	X	3.802	18
98	MP3B	Z	0	18
99	MP3B	Mx	-.000951	18
100	MP3C	X	3.802	18
101	MP3C	Z	0	18
102	MP3C	Mx	-.000951	18
103	MP2A	X	2.512	18
104	MP2A	Z	0	18
105	MP2A	Mx	.001	18
106	MP2B	X	3.735	18
107	MP2B	Z	0	18
108	MP2B	Mx	-.000934	18
109	MP2C	X	3.735	18
110	MP2C	Z	0	18
111	MP2C	Mx	-.000934	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	4.441	6
2	MP3A	Z	2.564	6
3	MP3A	Mx	-.000511	6
4	MP3A	X	4.441	66
5	MP3A	Z	2.564	66
6	MP3A	Mx	-.000511	66
7	MP3B	X	5.474	6
8	MP3B	Z	3.16	6
9	MP3B	Mx	-.004	6
10	MP3B	X	5.474	66
11	MP3B	Z	3.16	66
12	MP3B	Mx	-.004	66
13	MP3C	X	4.441	6
14	MP3C	Z	2.564	6
15	MP3C	Mx	.004	6
16	MP3C	X	4.441	66
17	MP3C	Z	2.564	66
18	MP3C	Mx	.004	66
19	MP3A	X	4.441	6
20	MP3A	Z	2.564	6
21	MP3A	Mx	-.004	6
22	MP3A	X	4.441	66
23	MP3A	Z	2.564	66
24	MP3A	Mx	-.004	66
25	MP3B	X	5.474	6
26	MP3B	Z	3.16	6
27	MP3B	Mx	.004	6
28	MP3B	X	5.474	66
29	MP3B	Z	3.16	66
30	MP3B	Mx	.004	66
31	MP3C	X	4.441	6
32	MP3C	Z	2.564	6
33	MP3C	Mx	.000511	6
34	MP3C	X	4.441	66
35	MP3C	Z	2.564	66
36	MP3C	Mx	.000511	66
37	MP2A	X	2.306	24
38	MP2A	Z	1.331	24
39	MP2A	Mx	-.001	24
40	MP2A	X	2.306	48
41	MP2A	Z	1.331	48
42	MP2A	Mx	-.001	48
43	MP2B	X	4.537	24
44	MP2B	Z	2.619	24
45	MP2B	Mx	0	24
46	MP2B	X	4.537	48
47	MP2B	Z	2.619	48
48	MP2B	Mx	0	48
49	MP2C	X	2.306	24
50	MP2C	Z	1.331	24
51	MP2C	Mx	.001	24
52	MP2C	X	2.306	48
53	MP2C	Z	1.331	48
54	MP2C	Mx	.001	48
55	MP1A	X	8.742	6
56	MP1A	Z	5.047	6
57	MP1A	Mx	-.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	8.742	66
59	MP1A	Z	5.047	66
60	MP1A	Mx	-.004	66
61	MP1B	X	5.011	6
62	MP1B	Z	2.893	6
63	MP1B	Mx	0	6
64	MP1B	X	5.011	66
65	MP1B	Z	2.893	66
66	MP1B	Mx	0	66
67	MP1C	X	8.742	6
68	MP1C	Z	5.047	6
69	MP1C	Mx	.004	6
70	MP1C	X	8.742	66
71	MP1C	Z	5.047	66
72	MP1C	Mx	.004	66
73	MP4A	X	8.742	6
74	MP4A	Z	5.047	6
75	MP4A	Mx	-.004	6
76	MP4A	X	8.742	66
77	MP4A	Z	5.047	66
78	MP4A	Mx	-.004	66
79	MP4B	X	5.011	6
80	MP4B	Z	2.893	6
81	MP4B	Mx	0	6
82	MP4B	X	5.011	66
83	MP4B	Z	2.893	66
84	MP4B	Mx	0	66
85	MP4C	X	8.742	6
86	MP4C	Z	5.047	6
87	MP4C	Mx	.004	6
88	MP4C	X	8.742	66
89	MP4C	Z	5.047	66
90	MP4C	Mx	.004	66
91	MP1A	X	6.018	30
92	MP1A	Z	3.474	30
93	MP1A	Mx	.003	30
94	MP3A	X	2.702	18
95	MP3A	Z	1.56	18
96	MP3A	Mx	.001	18
97	MP3B	X	3.588	18
98	MP3B	Z	2.071	18
99	MP3B	Mx	0	18
100	MP3C	X	2.702	18
101	MP3C	Z	1.56	18
102	MP3C	Mx	-.001	18
103	MP2A	X	2.529	18
104	MP2A	Z	1.46	18
105	MP2A	Mx	.001	18
106	MP2B	X	3.588	18
107	MP2B	Z	2.071	18
108	MP2B	Mx	0	18
109	MP2C	X	2.529	18
110	MP2C	Z	1.46	18
111	MP2C	Mx	-.001	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.962	6
2	MP3A	Z	5.13	6
3	MP3A	Mx	.002	6
4	MP3A	X	2.962	66
5	MP3A	Z	5.13	66
6	MP3A	Mx	.002	66
7	MP3B	X	2.962	6
8	MP3B	Z	5.13	6
9	MP3B	Mx	-.005	6
10	MP3B	X	2.962	66
11	MP3B	Z	5.13	66
12	MP3B	Mx	-.005	66
13	MP3C	X	2.365	6
14	MP3C	Z	4.097	6
15	MP3C	Mx	.002	6
16	MP3C	X	2.365	66
17	MP3C	Z	4.097	66
18	MP3C	Mx	.002	66
19	MP3A	X	2.962	6
20	MP3A	Z	5.13	6
21	MP3A	Mx	-.005	6
22	MP3A	X	2.962	66
23	MP3A	Z	5.13	66
24	MP3A	Mx	-.005	66
25	MP3B	X	2.962	6
26	MP3B	Z	5.13	6
27	MP3B	Mx	.002	6
28	MP3B	X	2.962	66
29	MP3B	Z	5.13	66
30	MP3B	Mx	.002	66
31	MP3C	X	2.365	6
32	MP3C	Z	4.097	6
33	MP3C	Mx	.002	6
34	MP3C	X	2.365	66
35	MP3C	Z	4.097	66
36	MP3C	Mx	.002	66
37	MP2A	X	2.19	24
38	MP2A	Z	3.793	24
39	MP2A	Mx	-.001	24
40	MP2A	X	2.19	48
41	MP2A	Z	3.793	48
42	MP2A	Mx	-.001	48
43	MP2B	X	2.19	24
44	MP2B	Z	3.793	24
45	MP2B	Mx	-.001	24
46	MP2B	X	2.19	48
47	MP2B	Z	3.793	48
48	MP2B	Mx	-.001	48
49	MP2C	X	.902	24
50	MP2C	Z	1.562	24
51	MP2C	Mx	.000902	24
52	MP2C	X	.902	48
53	MP2C	Z	1.562	48
54	MP2C	Mx	.000902	48
55	MP1A	X	3.611	6
56	MP1A	Z	6.255	6
57	MP1A	Mx	-.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	3.611	66
59	MP1A	Z	6.255	66
60	MP1A	Mx	-.002	66
61	MP1B	X	3.611	6
62	MP1B	Z	6.255	6
63	MP1B	Mx	-.002	6
64	MP1B	X	3.611	66
65	MP1B	Z	6.255	66
66	MP1B	Mx	-.002	66
67	MP1C	X	5.765	6
68	MP1C	Z	9.986	6
69	MP1C	Mx	.006	6
70	MP1C	X	5.765	66
71	MP1C	Z	9.986	66
72	MP1C	Mx	.006	66
73	MP4A	X	3.611	6
74	MP4A	Z	6.255	6
75	MP4A	Mx	-.002	6
76	MP4A	X	3.611	66
77	MP4A	Z	6.255	66
78	MP4A	Mx	-.002	66
79	MP4B	X	3.611	6
80	MP4B	Z	6.255	6
81	MP4B	Mx	-.002	6
82	MP4B	X	3.611	66
83	MP4B	Z	6.255	66
84	MP4B	Mx	-.002	66
85	MP4C	X	5.765	6
86	MP4C	Z	9.986	6
87	MP4C	Mx	.006	6
88	MP4C	X	5.765	66
89	MP4C	Z	9.986	66
90	MP4C	Mx	.006	66
91	MP1A	X	3.982	30
92	MP1A	Z	6.898	30
93	MP1A	Mx	.002	30
94	MP3A	X	1.901	18
95	MP3A	Z	3.293	18
96	MP3A	Mx	.000951	18
97	MP3B	X	1.901	18
98	MP3B	Z	3.293	18
99	MP3B	Mx	.000951	18
100	MP3C	X	1.39	18
101	MP3C	Z	2.407	18
102	MP3C	Mx	-.001	18
103	MP2A	X	1.868	18
104	MP2A	Z	3.235	18
105	MP2A	Mx	.000934	18
106	MP2B	X	1.868	18
107	MP2B	Z	3.235	18
108	MP2B	Mx	.000934	18
109	MP2C	X	1.256	18
110	MP2C	Z	2.176	18
111	MP2C	Mx	-.001	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	6
2	MP3A	Z	6.321	6
3	MP3A	Mx	.004	6
4	MP3A	X	0	66
5	MP3A	Z	6.321	66
6	MP3A	Mx	.004	66
7	MP3B	X	0	6
8	MP3B	Z	5.128	6
9	MP3B	Mx	-.004	6
10	MP3B	X	0	66
11	MP3B	Z	5.128	66
12	MP3B	Mx	-.004	66
13	MP3C	X	0	6
14	MP3C	Z	5.128	6
15	MP3C	Mx	.000511	6
16	MP3C	X	0	66
17	MP3C	Z	5.128	66
18	MP3C	Mx	.000511	66
19	MP3A	X	0	6
20	MP3A	Z	6.321	6
21	MP3A	Mx	-.004	6
22	MP3A	X	0	66
23	MP3A	Z	6.321	66
24	MP3A	Mx	-.004	66
25	MP3B	X	0	6
26	MP3B	Z	5.128	6
27	MP3B	Mx	-.000511	6
28	MP3B	X	0	66
29	MP3B	Z	5.128	66
30	MP3B	Mx	-.000511	66
31	MP3C	X	0	6
32	MP3C	Z	5.128	6
33	MP3C	Mx	.004	6
34	MP3C	X	0	66
35	MP3C	Z	5.128	66
36	MP3C	Mx	.004	66
37	MP2A	X	0	24
38	MP2A	Z	5.238	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	5.238	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	2.663	24
45	MP2B	Mx	-.001	24
46	MP2B	X	0	48
47	MP2B	Z	2.663	48
48	MP2B	Mx	-.001	48
49	MP2C	X	0	24
50	MP2C	Z	2.663	24
51	MP2C	Mx	.001	24
52	MP2C	X	0	48
53	MP2C	Z	2.663	48
54	MP2C	Mx	.001	48
55	MP1A	X	0	6
56	MP1A	Z	5.786	6
57	MP1A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	0	66
59	MP1A	Z	5.786	66
60	MP1A	Mx	0	66
61	MP1B	X	0	6
62	MP1B	Z	10.094	6
63	MP1B	Mx	-.004	6
64	MP1B	X	0	66
65	MP1B	Z	10.094	66
66	MP1B	Mx	-.004	66
67	MP1C	X	0	6
68	MP1C	Z	10.094	6
69	MP1C	Mx	.004	6
70	MP1C	X	0	66
71	MP1C	Z	10.094	66
72	MP1C	Mx	.004	66
73	MP4A	X	0	6
74	MP4A	Z	5.786	6
75	MP4A	Mx	0	6
76	MP4A	X	0	66
77	MP4A	Z	5.786	66
78	MP4A	Mx	0	66
79	MP4B	X	0	6
80	MP4B	Z	10.094	6
81	MP4B	Mx	-.004	6
82	MP4B	X	0	66
83	MP4B	Z	10.094	66
84	MP4B	Mx	-.004	66
85	MP4C	X	0	6
86	MP4C	Z	10.094	6
87	MP4C	Mx	.004	6
88	MP4C	X	0	66
89	MP4C	Z	10.094	66
90	MP4C	Mx	.004	66
91	MP1A	X	0	30
92	MP1A	Z	8.472	30
93	MP1A	Mx	0	30
94	MP3A	X	0	18
95	MP3A	Z	4.143	18
96	MP3A	Mx	0	18
97	MP3B	X	0	18
98	MP3B	Z	3.12	18
99	MP3B	Mx	.001	18
100	MP3C	X	0	18
101	MP3C	Z	3.12	18
102	MP3C	Mx	-.001	18
103	MP2A	X	0	18
104	MP2A	Z	4.143	18
105	MP2A	Mx	0	18
106	MP2B	X	0	18
107	MP2B	Z	2.92	18
108	MP2B	Mx	.001	18
109	MP2C	X	0	18
110	MP2C	Z	2.92	18
111	MP2C	Mx	-.001	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-2.962	6
2	MP3A	Z	5.13	6
3	MP3A	Mx	.005	6
4	MP3A	X	-2.962	66
5	MP3A	Z	5.13	66
6	MP3A	Mx	.005	66
7	MP3B	X	-2.365	6
8	MP3B	Z	4.097	6
9	MP3B	Mx	-.002	6
10	MP3B	X	-2.365	66
11	MP3B	Z	4.097	66
12	MP3B	Mx	-.002	66
13	MP3C	X	-2.962	6
14	MP3C	Z	5.13	6
15	MP3C	Mx	-.002	6
16	MP3C	X	-2.962	66
17	MP3C	Z	5.13	66
18	MP3C	Mx	-.002	66
19	MP3A	X	-2.962	6
20	MP3A	Z	5.13	6
21	MP3A	Mx	-.002	6
22	MP3A	X	-2.962	66
23	MP3A	Z	5.13	66
24	MP3A	Mx	-.002	66
25	MP3B	X	-2.365	6
26	MP3B	Z	4.097	6
27	MP3B	Mx	-.002	6
28	MP3B	X	-2.365	66
29	MP3B	Z	4.097	66
30	MP3B	Mx	-.002	66
31	MP3C	X	-2.962	6
32	MP3C	Z	5.13	6
33	MP3C	Mx	.005	6
34	MP3C	X	-2.962	66
35	MP3C	Z	5.13	66
36	MP3C	Mx	.005	66
37	MP2A	X	-2.19	24
38	MP2A	Z	3.793	24
39	MP2A	Mx	.001	24
40	MP2A	X	-2.19	48
41	MP2A	Z	3.793	48
42	MP2A	Mx	.001	48
43	MP2B	X	-.902	24
44	MP2B	Z	1.562	24
45	MP2B	Mx	-.000902	24
46	MP2B	X	-.902	48
47	MP2B	Z	1.562	48
48	MP2B	Mx	-.000902	48
49	MP2C	X	-2.19	24
50	MP2C	Z	3.793	24
51	MP2C	Mx	.001	24
52	MP2C	X	-2.19	48
53	MP2C	Z	3.793	48
54	MP2C	Mx	.001	48
55	MP1A	X	-3.611	6
56	MP1A	Z	6.255	6
57	MP1A	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-3.611	66
59	MP1A	Z	6.255	66
60	MP1A	Mx	.002	66
61	MP1B	X	-5.765	6
62	MP1B	Z	9.986	6
63	MP1B	Mx	-.006	6
64	MP1B	X	-5.765	66
65	MP1B	Z	9.986	66
66	MP1B	Mx	-.006	66
67	MP1C	X	-3.611	6
68	MP1C	Z	6.255	6
69	MP1C	Mx	.002	6
70	MP1C	X	-3.611	66
71	MP1C	Z	6.255	66
72	MP1C	Mx	.002	66
73	MP4A	X	-3.611	6
74	MP4A	Z	6.255	6
75	MP4A	Mx	.002	6
76	MP4A	X	-3.611	66
77	MP4A	Z	6.255	66
78	MP4A	Mx	.002	66
79	MP4B	X	-5.765	6
80	MP4B	Z	9.986	6
81	MP4B	Mx	-.006	6
82	MP4B	X	-5.765	66
83	MP4B	Z	9.986	66
84	MP4B	Mx	-.006	66
85	MP4C	X	-3.611	6
86	MP4C	Z	6.255	6
87	MP4C	Mx	.002	6
88	MP4C	X	-3.611	66
89	MP4C	Z	6.255	66
90	MP4C	Mx	.002	66
91	MP1A	X	-3.982	30
92	MP1A	Z	6.898	30
93	MP1A	Mx	-.002	30
94	MP3A	X	-1.901	18
95	MP3A	Z	3.293	18
96	MP3A	Mx	-.000951	18
97	MP3B	X	-1.39	18
98	MP3B	Z	2.407	18
99	MP3B	Mx	.001	18
100	MP3C	X	-1.901	18
101	MP3C	Z	3.293	18
102	MP3C	Mx	-.000951	18
103	MP2A	X	-1.868	18
104	MP2A	Z	3.235	18
105	MP2A	Mx	-.000934	18
106	MP2B	X	-1.256	18
107	MP2B	Z	2.176	18
108	MP2B	Mx	.001	18
109	MP2C	X	-1.868	18
110	MP2C	Z	3.235	18
111	MP2C	Mx	-.000934	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-4.441	6
2	MP3A	Z	2.564	6
3	MP3A	Mx	.004	6
4	MP3A	X	-4.441	66
5	MP3A	Z	2.564	66
6	MP3A	Mx	.004	66
7	MP3B	X	-4.441	6
8	MP3B	Z	2.564	6
9	MP3B	Mx	-.000511	6
10	MP3B	X	-4.441	66
11	MP3B	Z	2.564	66
12	MP3B	Mx	-.000511	66
13	MP3C	X	-5.474	6
14	MP3C	Z	3.16	6
15	MP3C	Mx	-.004	6
16	MP3C	X	-5.474	66
17	MP3C	Z	3.16	66
18	MP3C	Mx	-.004	66
19	MP3A	X	-4.441	6
20	MP3A	Z	2.564	6
21	MP3A	Mx	.000511	6
22	MP3A	X	-4.441	66
23	MP3A	Z	2.564	66
24	MP3A	Mx	.000511	66
25	MP3B	X	-4.441	6
26	MP3B	Z	2.564	6
27	MP3B	Mx	-.004	6
28	MP3B	X	-4.441	66
29	MP3B	Z	2.564	66
30	MP3B	Mx	-.004	66
31	MP3C	X	-5.474	6
32	MP3C	Z	3.16	6
33	MP3C	Mx	.004	6
34	MP3C	X	-5.474	66
35	MP3C	Z	3.16	66
36	MP3C	Mx	.004	66
37	MP2A	X	-2.306	24
38	MP2A	Z	1.331	24
39	MP2A	Mx	.001	24
40	MP2A	X	-2.306	48
41	MP2A	Z	1.331	48
42	MP2A	Mx	.001	48
43	MP2B	X	-2.306	24
44	MP2B	Z	1.331	24
45	MP2B	Mx	-.001	24
46	MP2B	X	-2.306	48
47	MP2B	Z	1.331	48
48	MP2B	Mx	-.001	48
49	MP2C	X	-4.537	24
50	MP2C	Z	2.619	24
51	MP2C	Mx	0	24
52	MP2C	X	-4.537	48
53	MP2C	Z	2.619	48
54	MP2C	Mx	0	48
55	MP1A	X	-8.742	6
56	MP1A	Z	5.047	6
57	MP1A	Mx	.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-8.742	66
59	MP1A	Z	5.047	66
60	MP1A	Mx	.004	66
61	MP1B	X	-8.742	6
62	MP1B	Z	5.047	6
63	MP1B	Mx	-.004	6
64	MP1B	X	-8.742	66
65	MP1B	Z	5.047	66
66	MP1B	Mx	-.004	66
67	MP1C	X	-5.011	6
68	MP1C	Z	2.893	6
69	MP1C	Mx	0	6
70	MP1C	X	-5.011	66
71	MP1C	Z	2.893	66
72	MP1C	Mx	0	66
73	MP4A	X	-8.742	6
74	MP4A	Z	5.047	6
75	MP4A	Mx	.004	6
76	MP4A	X	-8.742	66
77	MP4A	Z	5.047	66
78	MP4A	Mx	.004	66
79	MP4B	X	-8.742	6
80	MP4B	Z	5.047	6
81	MP4B	Mx	-.004	6
82	MP4B	X	-8.742	66
83	MP4B	Z	5.047	66
84	MP4B	Mx	-.004	66
85	MP4C	X	-5.011	6
86	MP4C	Z	2.893	6
87	MP4C	Mx	0	6
88	MP4C	X	-5.011	66
89	MP4C	Z	2.893	66
90	MP4C	Mx	0	66
91	MP1A	X	-6.018	30
92	MP1A	Z	3.474	30
93	MP1A	Mx	-.003	30
94	MP3A	X	-2.702	18
95	MP3A	Z	1.56	18
96	MP3A	Mx	-.001	18
97	MP3B	X	-2.702	18
98	MP3B	Z	1.56	18
99	MP3B	Mx	.001	18
100	MP3C	X	-3.588	18
101	MP3C	Z	2.071	18
102	MP3C	Mx	0	18
103	MP2A	X	-2.529	18
104	MP2A	Z	1.46	18
105	MP2A	Mx	-.001	18
106	MP2B	X	-2.529	18
107	MP2B	Z	1.46	18
108	MP2B	Mx	.001	18
109	MP2C	X	-3.588	18
110	MP2C	Z	2.071	18
111	MP2C	Mx	0	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-4.731	6
2	MP3A	Z	0	6
3	MP3A	Mx	.002	6
4	MP3A	X	-4.731	66
5	MP3A	Z	0	66
6	MP3A	Mx	.002	66
7	MP3B	X	-5.923	6
8	MP3B	Z	0	6
9	MP3B	Mx	.002	6
10	MP3B	X	-5.923	66
11	MP3B	Z	0	66
12	MP3B	Mx	.002	66
13	MP3C	X	-5.923	6
14	MP3C	Z	0	6
15	MP3C	Mx	-.005	6
16	MP3C	X	-5.923	66
17	MP3C	Z	0	66
18	MP3C	Mx	-.005	66
19	MP3A	X	-4.731	6
20	MP3A	Z	0	6
21	MP3A	Mx	.002	6
22	MP3A	X	-4.731	66
23	MP3A	Z	0	66
24	MP3A	Mx	.002	66
25	MP3B	X	-5.923	6
26	MP3B	Z	0	6
27	MP3B	Mx	-.005	6
28	MP3B	X	-5.923	66
29	MP3B	Z	0	66
30	MP3B	Mx	-.005	66
31	MP3C	X	-5.923	6
32	MP3C	Z	0	6
33	MP3C	Mx	.002	6
34	MP3C	X	-5.923	66
35	MP3C	Z	0	66
36	MP3C	Mx	.002	66
37	MP2A	X	-1.804	24
38	MP2A	Z	0	24
39	MP2A	Mx	.000902	24
40	MP2A	X	-1.804	48
41	MP2A	Z	0	48
42	MP2A	Mx	.000902	48
43	MP2B	X	-4.38	24
44	MP2B	Z	0	24
45	MP2B	Mx	-.001	24
46	MP2B	X	-4.38	48
47	MP2B	Z	0	48
48	MP2B	Mx	-.001	48
49	MP2C	X	-4.38	24
50	MP2C	Z	0	24
51	MP2C	Mx	-.001	24
52	MP2C	X	-4.38	48
53	MP2C	Z	0	48
54	MP2C	Mx	-.001	48
55	MP1A	X	-11.53	6
56	MP1A	Z	0	6
57	MP1A	Mx	.006	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-11.53	66
59	MP1A	Z	0	66
60	MP1A	Mx	.006	66
61	MP1B	X	-7.222	6
62	MP1B	Z	0	6
63	MP1B	Mx	-.002	6
64	MP1B	X	-7.222	66
65	MP1B	Z	0	66
66	MP1B	Mx	-.002	66
67	MP1C	X	-7.222	6
68	MP1C	Z	0	6
69	MP1C	Mx	-.002	6
70	MP1C	X	-7.222	66
71	MP1C	Z	0	66
72	MP1C	Mx	-.002	66
73	MP4A	X	-11.53	6
74	MP4A	Z	0	6
75	MP4A	Mx	.006	6
76	MP4A	X	-11.53	66
77	MP4A	Z	0	66
78	MP4A	Mx	.006	66
79	MP4B	X	-7.222	6
80	MP4B	Z	0	6
81	MP4B	Mx	-.002	6
82	MP4B	X	-7.222	66
83	MP4B	Z	0	66
84	MP4B	Mx	-.002	66
85	MP4C	X	-7.222	6
86	MP4C	Z	0	6
87	MP4C	Mx	-.002	6
88	MP4C	X	-7.222	66
89	MP4C	Z	0	66
90	MP4C	Mx	-.002	66
91	MP1A	X	-6.441	30
92	MP1A	Z	0	30
93	MP1A	Mx	-.003	30
94	MP3A	X	-2.78	18
95	MP3A	Z	0	18
96	MP3A	Mx	-.001	18
97	MP3B	X	-3.802	18
98	MP3B	Z	0	18
99	MP3B	Mx	.000951	18
100	MP3C	X	-3.802	18
101	MP3C	Z	0	18
102	MP3C	Mx	.000951	18
103	MP2A	X	-2.512	18
104	MP2A	Z	0	18
105	MP2A	Mx	-.001	18
106	MP2B	X	-3.735	18
107	MP2B	Z	0	18
108	MP2B	Mx	.000934	18
109	MP2C	X	-3.735	18
110	MP2C	Z	0	18
111	MP2C	Mx	.000934	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-4.441	6
2	MP3A	Z	-2.564	6
3	MP3A	Mx	.000511	6
4	MP3A	X	-4.441	66
5	MP3A	Z	-2.564	66
6	MP3A	Mx	.000511	66
7	MP3B	X	-5.474	6
8	MP3B	Z	-3.16	6
9	MP3B	Mx	.004	6
10	MP3B	X	-5.474	66
11	MP3B	Z	-3.16	66
12	MP3B	Mx	.004	66
13	MP3C	X	-4.441	6
14	MP3C	Z	-2.564	6
15	MP3C	Mx	-.004	6
16	MP3C	X	-4.441	66
17	MP3C	Z	-2.564	66
18	MP3C	Mx	-.004	66
19	MP3A	X	-4.441	6
20	MP3A	Z	-2.564	6
21	MP3A	Mx	.004	6
22	MP3A	X	-4.441	66
23	MP3A	Z	-2.564	66
24	MP3A	Mx	.004	66
25	MP3B	X	-5.474	6
26	MP3B	Z	-3.16	6
27	MP3B	Mx	-.004	6
28	MP3B	X	-5.474	66
29	MP3B	Z	-3.16	66
30	MP3B	Mx	-.004	66
31	MP3C	X	-4.441	6
32	MP3C	Z	-2.564	6
33	MP3C	Mx	-.000511	6
34	MP3C	X	-4.441	66
35	MP3C	Z	-2.564	66
36	MP3C	Mx	-.000511	66
37	MP2A	X	-2.306	24
38	MP2A	Z	-1.331	24
39	MP2A	Mx	.001	24
40	MP2A	X	-2.306	48
41	MP2A	Z	-1.331	48
42	MP2A	Mx	.001	48
43	MP2B	X	-4.537	24
44	MP2B	Z	-2.619	24
45	MP2B	Mx	0	24
46	MP2B	X	-4.537	48
47	MP2B	Z	-2.619	48
48	MP2B	Mx	0	48
49	MP2C	X	-2.306	24
50	MP2C	Z	-1.331	24
51	MP2C	Mx	-.001	24
52	MP2C	X	-2.306	48
53	MP2C	Z	-1.331	48
54	MP2C	Mx	-.001	48
55	MP1A	X	-8.742	6
56	MP1A	Z	-5.047	6
57	MP1A	Mx	.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-8.742	66
59	MP1A	Z	-5.047	66
60	MP1A	Mx	.004	66
61	MP1B	X	-5.011	6
62	MP1B	Z	-2.893	6
63	MP1B	Mx	0	6
64	MP1B	X	-5.011	66
65	MP1B	Z	-2.893	66
66	MP1B	Mx	0	66
67	MP1C	X	-8.742	6
68	MP1C	Z	-5.047	6
69	MP1C	Mx	-.004	6
70	MP1C	X	-8.742	66
71	MP1C	Z	-5.047	66
72	MP1C	Mx	-.004	66
73	MP4A	X	-8.742	6
74	MP4A	Z	-5.047	6
75	MP4A	Mx	.004	6
76	MP4A	X	-8.742	66
77	MP4A	Z	-5.047	66
78	MP4A	Mx	.004	66
79	MP4B	X	-5.011	6
80	MP4B	Z	-2.893	6
81	MP4B	Mx	0	6
82	MP4B	X	-5.011	66
83	MP4B	Z	-2.893	66
84	MP4B	Mx	0	66
85	MP4C	X	-8.742	6
86	MP4C	Z	-5.047	6
87	MP4C	Mx	-.004	6
88	MP4C	X	-8.742	66
89	MP4C	Z	-5.047	66
90	MP4C	Mx	-.004	66
91	MP1A	X	-6.018	30
92	MP1A	Z	-3.474	30
93	MP1A	Mx	-.003	30
94	MP3A	X	-2.702	18
95	MP3A	Z	-1.56	18
96	MP3A	Mx	-.001	18
97	MP3B	X	-3.588	18
98	MP3B	Z	-2.071	18
99	MP3B	Mx	0	18
100	MP3C	X	-2.702	18
101	MP3C	Z	-1.56	18
102	MP3C	Mx	.001	18
103	MP2A	X	-2.529	18
104	MP2A	Z	-1.46	18
105	MP2A	Mx	-.001	18
106	MP2B	X	-3.588	18
107	MP2B	Z	-2.071	18
108	MP2B	Mx	0	18
109	MP2C	X	-2.529	18
110	MP2C	Z	-1.46	18
111	MP2C	Mx	.001	18

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-2.962	6
2	MP3A	Z	-5.13	6
3	MP3A	Mx	-.002	6
4	MP3A	X	-2.962	66
5	MP3A	Z	-5.13	66
6	MP3A	Mx	-.002	66
7	MP3B	X	-2.962	6
8	MP3B	Z	-5.13	6
9	MP3B	Mx	.005	6
10	MP3B	X	-2.962	66
11	MP3B	Z	-5.13	66
12	MP3B	Mx	.005	66
13	MP3C	X	-2.365	6
14	MP3C	Z	-4.097	6
15	MP3C	Mx	-.002	6
16	MP3C	X	-2.365	66
17	MP3C	Z	-4.097	66
18	MP3C	Mx	-.002	66
19	MP3A	X	-2.962	6
20	MP3A	Z	-5.13	6
21	MP3A	Mx	.005	6
22	MP3A	X	-2.962	66
23	MP3A	Z	-5.13	66
24	MP3A	Mx	.005	66
25	MP3B	X	-2.962	6
26	MP3B	Z	-5.13	6
27	MP3B	Mx	-.002	6
28	MP3B	X	-2.962	66
29	MP3B	Z	-5.13	66
30	MP3B	Mx	-.002	66
31	MP3C	X	-2.365	6
32	MP3C	Z	-4.097	6
33	MP3C	Mx	-.002	6
34	MP3C	X	-2.365	66
35	MP3C	Z	-4.097	66
36	MP3C	Mx	-.002	66
37	MP2A	X	-2.19	24
38	MP2A	Z	-3.793	24
39	MP2A	Mx	.001	24
40	MP2A	X	-2.19	48
41	MP2A	Z	-3.793	48
42	MP2A	Mx	.001	48
43	MP2B	X	-2.19	24
44	MP2B	Z	-3.793	24
45	MP2B	Mx	.001	24
46	MP2B	X	-2.19	48
47	MP2B	Z	-3.793	48
48	MP2B	Mx	.001	48
49	MP2C	X	-.902	24
50	MP2C	Z	-1.562	24
51	MP2C	Mx	-.000902	24
52	MP2C	X	-.902	48
53	MP2C	Z	-1.562	48
54	MP2C	Mx	-.000902	48
55	MP1A	X	-3.611	6
56	MP1A	Z	-6.255	6
57	MP1A	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1A	X	-3.611	66
59	MP1A	Z	-6.255	66
60	MP1A	Mx	.002	66
61	MP1B	X	-3.611	6
62	MP1B	Z	-6.255	6
63	MP1B	Mx	.002	6
64	MP1B	X	-3.611	66
65	MP1B	Z	-6.255	66
66	MP1B	Mx	.002	66
67	MP1C	X	-5.765	6
68	MP1C	Z	-9.986	6
69	MP1C	Mx	-.006	6
70	MP1C	X	-5.765	66
71	MP1C	Z	-9.986	66
72	MP1C	Mx	-.006	66
73	MP4A	X	-3.611	6
74	MP4A	Z	-6.255	6
75	MP4A	Mx	.002	6
76	MP4A	X	-3.611	66
77	MP4A	Z	-6.255	66
78	MP4A	Mx	.002	66
79	MP4B	X	-3.611	6
80	MP4B	Z	-6.255	6
81	MP4B	Mx	.002	6
82	MP4B	X	-3.611	66
83	MP4B	Z	-6.255	66
84	MP4B	Mx	.002	66
85	MP4C	X	-5.765	6
86	MP4C	Z	-9.986	6
87	MP4C	Mx	-.006	6
88	MP4C	X	-5.765	66
89	MP4C	Z	-9.986	66
90	MP4C	Mx	-.006	66
91	MP1A	X	-3.982	30
92	MP1A	Z	-6.898	30
93	MP1A	Mx	-.002	30
94	MP3A	X	-1.901	18
95	MP3A	Z	-3.293	18
96	MP3A	Mx	-.000951	18
97	MP3B	X	-1.901	18
98	MP3B	Z	-3.293	18
99	MP3B	Mx	-.000951	18
100	MP3C	X	-1.39	18
101	MP3C	Z	-2.407	18
102	MP3C	Mx	.001	18
103	MP2A	X	-1.868	18
104	MP2A	Z	-3.235	18
105	MP2A	Mx	-.000934	18
106	MP2B	X	-1.868	18
107	MP2B	Z	-3.235	18
108	MP2B	Mx	-.000934	18
109	MP2C	X	-1.256	18
110	MP2C	Z	-2.176	18
111	MP2C	Mx	.001	18

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 77 : Lm1) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M43	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M12	Y	-500	%52

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M12	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M13	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	Y	-.927	6
2	MP3A	My	-.000464	6
3	MP3A	Mz	.000618	6
4	MP3A	Y	-.927	66
5	MP3A	My	-.000464	66
6	MP3A	Mz	.000618	66
7	MP3B	Y	-.927	6
8	MP3B	My	-.000304	6
9	MP3B	Mz	-.000711	6
10	MP3B	Y	-.927	66
11	MP3B	My	-.000304	66
12	MP3B	Mz	-.000711	66
13	MP3C	Y	-.927	6
14	MP3C	My	.000767	6
15	MP3C	Mz	9.2e-5	6
16	MP3C	Y	-.927	66
17	MP3C	My	.000767	66
18	MP3C	Mz	9.2e-5	66
19	MP3A	Y	-.927	6
20	MP3A	My	-.000464	6
21	MP3A	Mz	-.000618	6
22	MP3A	Y	-.927	66
23	MP3A	My	-.000464	66
24	MP3A	Mz	-.000618	66
25	MP3B	Y	-.927	6
26	MP3B	My	.000767	6
27	MP3B	Mz	-9.2e-5	6
28	MP3B	Y	-.927	66
29	MP3B	My	.000767	66
30	MP3B	Mz	-9.2e-5	66
31	MP3C	Y	-.927	6
32	MP3C	My	-.000304	6
33	MP3C	Mz	.000711	6
34	MP3C	Y	-.927	66
35	MP3C	My	-.000304	66
36	MP3C	Mz	.000711	66
37	MP2A	Y	-1.756	24
38	MP2A	My	-.000878	24
39	MP2A	Mz	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
40	MP2A	Y	-1.756	48
41	MP2A	My	-.000878	48
42	MP2A	Mz	0	48
43	MP2B	Y	-1.756	24
44	MP2B	My	.000439	24
45	MP2B	Mz	-.00076	24
46	MP2B	Y	-1.756	48
47	MP2B	My	.000439	48
48	MP2B	Mz	-.00076	48
49	MP2C	Y	-1.756	24
50	MP2C	My	.000439	24
51	MP2C	Mz	.00076	24
52	MP2C	Y	-1.756	48
53	MP2C	My	.000439	48
54	MP2C	Mz	.00076	48
55	MP1A	Y	-.423	6
56	MP1A	My	-.000212	6
57	MP1A	Mz	0	6
58	MP1A	Y	-.423	66
59	MP1A	My	-.000212	66
60	MP1A	Mz	0	66
61	MP1B	Y	-.423	6
62	MP1B	My	.000106	6
63	MP1B	Mz	-.000183	6
64	MP1B	Y	-.423	66
65	MP1B	My	.000106	66
66	MP1B	Mz	-.000183	66
67	MP1C	Y	-.423	6
68	MP1C	My	.000106	6
69	MP1C	Mz	.000183	6
70	MP1C	Y	-.423	66
71	MP1C	My	.000106	66
72	MP1C	Mz	.000183	66
73	MP4A	Y	-.423	6
74	MP4A	My	-.000212	6
75	MP4A	Mz	0	6
76	MP4A	Y	-.423	66
77	MP4A	My	-.000212	66
78	MP4A	Mz	0	66
79	MP4B	Y	-.423	6
80	MP4B	My	.000106	6
81	MP4B	Mz	-.000183	6
82	MP4B	Y	-.423	66
83	MP4B	My	.000106	66
84	MP4B	Mz	-.000183	66
85	MP4C	Y	-.423	6
86	MP4C	My	.000106	6
87	MP4C	Mz	.000183	6
88	MP4C	Y	-.423	66
89	MP4C	My	.000106	66
90	MP4C	Mz	.000183	66
91	MP1A	Y	-1.29	30
92	MP1A	My	.000645	30
93	MP1A	Mz	0	30
94	MP3A	Y	-3.012	18
95	MP3A	My	.002	18
96	MP3A	Mz	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
97	MP3B	Y	-3.012	18
98	MP3B	My	-.000753	18
99	MP3B	Mz	.001	18
100	MP3C	Y	-3.012	18
101	MP3C	My	-.000753	18
102	MP3C	Mz	-.001	18
103	MP2A	Y	-2.834	18
104	MP2A	My	.001	18
105	MP2A	Mz	0	18
106	MP2B	Y	-2.834	18
107	MP2B	My	-.000709	18
108	MP2B	Mz	.001	18
109	MP2C	Y	-2.834	18
110	MP2C	My	-.000709	18
111	MP2C	Mz	-.001	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	Z	-2.318	6
2	MP3A	Mx	-.002	6
3	MP3A	Z	-2.318	66
4	MP3A	Mx	-.002	66
5	MP3B	Z	-2.318	6
6	MP3B	Mx	.002	6
7	MP3B	Z	-2.318	66
8	MP3B	Mx	.002	66
9	MP3C	Z	-2.318	6
10	MP3C	Mx	-.000231	6
11	MP3C	Z	-2.318	66
12	MP3C	Mx	-.000231	66
13	MP3A	Z	-2.318	6
14	MP3A	Mx	.002	6
15	MP3A	Z	-2.318	66
16	MP3A	Mx	.002	66
17	MP3B	Z	-2.318	6
18	MP3B	Mx	.000231	6
19	MP3B	Z	-2.318	66
20	MP3B	Mx	.000231	66
21	MP3C	Z	-2.318	6
22	MP3C	Mx	-.002	6
23	MP3C	Z	-2.318	66
24	MP3C	Mx	-.002	66
25	MP2A	Z	-4.39	24
26	MP2A	Mx	0	24
27	MP2A	Z	-4.39	48
28	MP2A	Mx	0	48
29	MP2B	Z	-4.39	24
30	MP2B	Mx	.002	24
31	MP2B	Z	-4.39	48
32	MP2B	Mx	.002	48
33	MP2C	Z	-4.39	24
34	MP2C	Mx	-.002	24
35	MP2C	Z	-4.39	48
36	MP2C	Mx	-.002	48
37	MP1A	Z	-1.058	6
38	MP1A	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
39	MP1A	Z	-1.058	66
40	MP1A	Mx	0	66
41	MP1B	Z	-1.058	6
42	MP1B	Mx	.000458	6
43	MP1B	Z	-1.058	66
44	MP1B	Mx	.000458	66
45	MP1C	Z	-1.058	6
46	MP1C	Mx	-.000458	6
47	MP1C	Z	-1.058	66
48	MP1C	Mx	-.000458	66
49	MP4A	Z	-1.058	6
50	MP4A	Mx	0	6
51	MP4A	Z	-1.058	66
52	MP4A	Mx	0	66
53	MP4B	Z	-1.058	6
54	MP4B	Mx	.000458	6
55	MP4B	Z	-1.058	66
56	MP4B	Mx	.000458	66
57	MP4C	Z	-1.058	6
58	MP4C	Mx	-.000458	6
59	MP4C	Z	-1.058	66
60	MP4C	Mx	-.000458	66
61	MP1A	Z	-3.226	30
62	MP1A	Mx	0	30
63	MP3A	Z	-7.53	18
64	MP3A	Mx	0	18
65	MP3B	Z	-7.53	18
66	MP3B	Mx	-.003	18
67	MP3C	Z	-7.53	18
68	MP3C	Mx	.003	18
69	MP2A	Z	-7.086	18
70	MP2A	Mx	0	18
71	MP2B	Z	-7.086	18
72	MP2B	Mx	-.003	18
73	MP2C	Z	-7.086	18
74	MP2C	Mx	.003	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.318	6
2	MP3A	Mx	-.001	6
3	MP3A	X	2.318	66
4	MP3A	Mx	-.001	66
5	MP3B	X	2.318	6
6	MP3B	Mx	-.000759	6
7	MP3B	X	2.318	66
8	MP3B	Mx	-.000759	66
9	MP3C	X	2.318	6
10	MP3C	Mx	.002	6
11	MP3C	X	2.318	66
12	MP3C	Mx	.002	66
13	MP3A	X	2.318	6
14	MP3A	Mx	-.001	6
15	MP3A	X	2.318	66
16	MP3A	Mx	-.001	66
17	MP3B	X	2.318	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP3B	Mx	.002	6
19	MP3B	X	2.318	66
20	MP3B	Mx	.002	66
21	MP3C	X	2.318	6
22	MP3C	Mx	-.000759	6
23	MP3C	X	2.318	66
24	MP3C	Mx	-.000759	66
25	MP2A	X	4.39	24
26	MP2A	Mx	-.002	24
27	MP2A	X	4.39	48
28	MP2A	Mx	-.002	48
29	MP2B	X	4.39	24
30	MP2B	Mx	.001	24
31	MP2B	X	4.39	48
32	MP2B	Mx	.001	48
33	MP2C	X	4.39	24
34	MP2C	Mx	.001	24
35	MP2C	X	4.39	48
36	MP2C	Mx	.001	48
37	MP1A	X	1.058	6
38	MP1A	Mx	-.000529	6
39	MP1A	X	1.058	66
40	MP1A	Mx	-.000529	66
41	MP1B	X	1.058	6
42	MP1B	Mx	.000265	6
43	MP1B	X	1.058	66
44	MP1B	Mx	.000265	66
45	MP1C	X	1.058	6
46	MP1C	Mx	.000265	6
47	MP1C	X	1.058	66
48	MP1C	Mx	.000265	66
49	MP4A	X	1.058	6
50	MP4A	Mx	-.000529	6
51	MP4A	X	1.058	66
52	MP4A	Mx	-.000529	66
53	MP4B	X	1.058	6
54	MP4B	Mx	.000265	6
55	MP4B	X	1.058	66
56	MP4B	Mx	.000265	66
57	MP4C	X	1.058	6
58	MP4C	Mx	.000265	6
59	MP4C	X	1.058	66
60	MP4C	Mx	.000265	66
61	MP1A	X	3.226	30
62	MP1A	Mx	.002	30
63	MP3A	X	7.53	18
64	MP3A	Mx	.004	18
65	MP3B	X	7.53	18
66	MP3B	Mx	-.002	18
67	MP3C	X	7.53	18
68	MP3C	Mx	-.002	18
69	MP2A	X	7.086	18
70	MP2A	Mx	.004	18
71	MP2B	X	7.086	18
72	MP2B	Mx	-.002	18
73	MP2C	X	7.086	18
74	MP2C	Mx	-.002	18

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M12	Y	-9.313	-9.313	0	%100
2	M13	Y	-9.313	-9.313	0	%100
3	M7	Y	-9.313	-9.313	0	%100
4	M8	Y	-9.313	-9.313	0	%100
5	M9	Y	-9.313	-9.313	0	%100
6	M9A	Y	-9.313	-9.313	0	%100
7	M10A	Y	-9.313	-9.313	0	%100
8	M11A	Y	-9.313	-9.313	0	%100
9	M12B	Y	-9.313	-9.313	0	%100
10	M10	Y	-9.313	-9.313	0	%100
11	M11	Y	-9.313	-9.313	0	%100
12	M12A	Y	-9.313	-9.313	0	%100
13	M13A	Y	-9.313	-9.313	0	%100
14	M14	Y	-9.313	-9.313	0	%100
15	M17	Y	-5.717	-5.717	0	%100
16	M18	Y	-5.717	-5.717	0	%100
17	M19	Y	-2.388	-2.388	0	%100
18	M20	Y	-2.388	-2.388	0	%100
19	M21	Y	-2.388	-2.388	0	%100
20	M22	Y	-2.388	-2.388	0	%100
21	M25	Y	-15.981	-15.981	0	%100
22	M137	Y	-15.981	-15.981	0	%100
23	M140A	Y	-15.981	-15.981	0	%100
24	M141A	Y	-15.981	-15.981	0	%100
25	M146	Y	-15.981	-15.981	0	%100
26	M147	Y	-15.981	-15.981	0	%100
27	MP4A	Y	-5.069	-5.069	0	%100
28	MP3A	Y	-5.784	-5.784	0	%100
29	MP2A	Y	-5.069	-5.069	0	%100
30	MP1A	Y	-5.069	-5.069	0	%100
31	MP4C	Y	-5.069	-5.069	0	%100
32	MP3C	Y	-5.784	-5.784	0	%100
33	MP2C	Y	-5.069	-5.069	0	%100
34	MP1C	Y	-5.069	-5.069	0	%100
35	MP4B	Y	-5.069	-5.069	0	%100
36	MP3B	Y	-5.784	-5.784	0	%100
37	MP2B	Y	-5.069	-5.069	0	%100
38	MP1B	Y	-5.069	-5.069	0	%100
39	M65	Y	-5.784	-5.784	0	%100
40	M80	Y	-5.784	-5.784	0	%100
41	M83	Y	-5.784	-5.784	0	%100
42	M86	Y	-7.739	-7.739	0	%100
43	M87	Y	-7.739	-7.739	0	%100
44	M88	Y	-7.739	-7.739	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	-25.622	-25.622	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	-25.622	-25.622	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-25.242	-25.242	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-6.311	-6.311	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[in,%]	End Location[in,%]
9	M9	X	0	0	0	%100
10	M9	Z	-6.311	-6.311	0	%100
11	M9A	X	0	0	0	%100
12	M9A	Z	-6.378	-6.378	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	-6.405	-6.405	0	%100
15	M11A	X	0	0	0	%100
16	M11A	Z	-6.436	-6.436	0	%100
17	M12B	X	0	0	0	%100
18	M12B	Z	-6.378	-6.378	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-22.733	-22.733	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-5.683	-5.683	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	-5.683	-5.683	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	-14.473	-14.473	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-14.473	-14.473	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	-12.865	-12.865	0	%100
31	M18	X	0	0	0	%100
32	M18	Z	-12.865	-12.865	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	-1.447	-1.447	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	-1.447	-1.447	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	-1.447	-1.447	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	-1.447	-1.447	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-.362	-.362	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	-.362	-.362	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	-1.447	-1.447	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	-1.447	-1.447	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	-.362	-.362	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	-.362	-.362	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-9.166	-9.166	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	-11.096	-11.096	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-9.166	-9.166	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	-9.166	-9.166	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	-9.166	-9.166	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	-11.096	-11.096	0	%100
65	MP2C	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[in,%]	End Location[in,%]
66	MP2C	Z	-9.166	-9.166	0	%100
67	MP1C	X	0	0	0	%100
68	MP1C	Z	-9.166	-9.166	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	-9.166	-9.166	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	-11.096	-11.096	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-9.166	-9.166	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-9.166	-9.166	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-11.096	-11.096	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-2.774	-2.774	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-2.774	-2.774	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	-3.292	-3.292	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	-13.169	-13.169	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	-3.292	-3.292	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[in,%]	End Location[in,%]
1	M12	X	9.608	9.608	0	%100
2	M12	Z	-16.642	-16.642	0	%100
3	M13	X	9.608	9.608	0	%100
4	M13	Z	-16.642	-16.642	0	%100
5	M7	X	9.466	9.466	0	%100
6	M7	Z	-16.395	-16.395	0	%100
7	M8	X	9.466	9.466	0	%100
8	M8	Z	-16.395	-16.395	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	9.596	9.596	0	%100
12	M9A	Z	-16.62	-16.62	0	%100
13	M10A	X	9.608	9.608	0	%100
14	M10A	Z	-16.642	-16.642	0	%100
15	M11A	X	2.2e-5	2.2e-5	0	%100
16	M11A	Z	-3.9e-5	-3.9e-5	0	%100
17	M12B	X	2.2e-5	2.2e-5	0	%100
18	M12B	Z	-3.9e-5	-3.9e-5	0	%100
19	M10	X	8.525	8.525	0	%100
20	M10	Z	-14.766	-14.766	0	%100
21	M11	X	8.525	8.525	0	%100
22	M11	Z	-14.766	-14.766	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	2.412	2.412	0	%100
26	M13A	Z	-4.178	-4.178	0	%100
27	M14	X	2.412	2.412	0	%100
28	M14	Z	-4.178	-4.178	0	%100
29	M17	X	6.432	6.432	0	%100
30	M17	Z	-11.141	-11.141	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[in,%]	End Location[in,%]
31	M18	X	6.432	6.432	0	%100
32	M18	Z	-11.141	-11.141	0	%100
33	M19	X	.241	.241	0	%100
34	M19	Z	-.418	-.418	0	%100
35	M20	X	.241	.241	0	%100
36	M20	Z	-.418	-.418	0	%100
37	M21	X	.241	.241	0	%100
38	M21	Z	-.418	-.418	0	%100
39	M22	X	.241	.241	0	%100
40	M22	Z	-.418	-.418	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	.543	.543	0	%100
46	M140A	Z	-.94	-.94	0	%100
47	M141A	X	.543	.543	0	%100
48	M141A	Z	-.94	-.94	0	%100
49	M146	X	.543	.543	0	%100
50	M146	Z	-.94	-.94	0	%100
51	M147	X	.543	.543	0	%100
52	M147	Z	-.94	-.94	0	%100
53	MP4A	X	4.583	4.583	0	%100
54	MP4A	Z	-7.938	-7.938	0	%100
55	MP3A	X	5.548	5.548	0	%100
56	MP3A	Z	-9.609	-9.609	0	%100
57	MP2A	X	4.583	4.583	0	%100
58	MP2A	Z	-7.938	-7.938	0	%100
59	MP1A	X	4.583	4.583	0	%100
60	MP1A	Z	-7.938	-7.938	0	%100
61	MP4C	X	4.583	4.583	0	%100
62	MP4C	Z	-7.938	-7.938	0	%100
63	MP3C	X	5.548	5.548	0	%100
64	MP3C	Z	-9.609	-9.609	0	%100
65	MP2C	X	4.583	4.583	0	%100
66	MP2C	Z	-7.938	-7.938	0	%100
67	MP1C	X	4.583	4.583	0	%100
68	MP1C	Z	-7.938	-7.938	0	%100
69	MP4B	X	4.583	4.583	0	%100
70	MP4B	Z	-7.938	-7.938	0	%100
71	MP3B	X	5.548	5.548	0	%100
72	MP3B	Z	-9.609	-9.609	0	%100
73	MP2B	X	4.583	4.583	0	%100
74	MP2B	Z	-7.938	-7.938	0	%100
75	MP1B	X	4.583	4.583	0	%100
76	MP1B	Z	-7.938	-7.938	0	%100
77	M65	X	4.161	4.161	0	%100
78	M65	Z	-7.207	-7.207	0	%100
79	M80	X	4.161	4.161	0	%100
80	M80	Z	-7.207	-7.207	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	4.939	4.939	0	%100
84	M86	Z	-8.554	-8.554	0	%100
85	M87	X	4.939	4.939	0	%100
86	M87	Z	-8.554	-8.554	0	%100
87	M88	X	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[in,%]	End Location[in,%]
88	M88	Z	0	0	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[in,%]	End Location[in,%]
1	M12	X	5.547	5.547	0	%100
2	M12	Z	-3.203	-3.203	0	%100
3	M13	X	5.547	5.547	0	%100
4	M13	Z	-3.203	-3.203	0	%100
5	M7	X	5.465	5.465	0	%100
6	M7	Z	-3.155	-3.155	0	%100
7	M8	X	21.86	21.86	0	%100
8	M8	Z	-12.621	-12.621	0	%100
9	M9	X	5.465	5.465	0	%100
10	M9	Z	-3.155	-3.155	0	%100
11	M9A	X	22.194	22.194	0	%100
12	M9A	Z	-12.814	-12.814	0	%100
13	M10A	X	22.189	22.189	0	%100
14	M10A	Z	-12.811	-12.811	0	%100
15	M11A	X	5.523	5.523	0	%100
16	M11A	Z	-3.189	-3.189	0	%100
17	M12B	X	5.574	5.574	0	%100
18	M12B	Z	-3.218	-3.218	0	%100
19	M10	X	4.922	4.922	0	%100
20	M10	Z	-2.842	-2.842	0	%100
21	M11	X	19.688	19.688	0	%100
22	M11	Z	-11.367	-11.367	0	%100
23	M12A	X	4.922	4.922	0	%100
24	M12A	Z	-2.842	-2.842	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	11.141	11.141	0	%100
30	M17	Z	-6.432	-6.432	0	%100
31	M18	X	11.141	11.141	0	%100
32	M18	Z	-6.432	-6.432	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	.313	.313	0	%100
42	M25	Z	-.181	-.181	0	%100
43	M137	X	.313	.313	0	%100
44	M137	Z	-.181	-.181	0	%100
45	M140A	X	.313	.313	0	%100
46	M140A	Z	-.181	-.181	0	%100
47	M141A	X	.313	.313	0	%100
48	M141A	Z	-.181	-.181	0	%100
49	M146	X	1.253	1.253	0	%100
50	M146	Z	-.724	-.724	0	%100
51	M147	X	1.253	1.253	0	%100
52	M147	Z	-.724	-.724	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[in,%]	End Location[in,%]
53	MP4A	X	7.938	7.938	0	%100
54	MP4A	Z	-4.583	-4.583	0	%100
55	MP3A	X	9.609	9.609	0	%100
56	MP3A	Z	-5.548	-5.548	0	%100
57	MP2A	X	7.938	7.938	0	%100
58	MP2A	Z	-4.583	-4.583	0	%100
59	MP1A	X	7.938	7.938	0	%100
60	MP1A	Z	-4.583	-4.583	0	%100
61	MP4C	X	7.938	7.938	0	%100
62	MP4C	Z	-4.583	-4.583	0	%100
63	MP3C	X	9.609	9.609	0	%100
64	MP3C	Z	-5.548	-5.548	0	%100
65	MP2C	X	7.938	7.938	0	%100
66	MP2C	Z	-4.583	-4.583	0	%100
67	MP1C	X	7.938	7.938	0	%100
68	MP1C	Z	-4.583	-4.583	0	%100
69	MP4B	X	7.938	7.938	0	%100
70	MP4B	Z	-4.583	-4.583	0	%100
71	MP3B	X	9.609	9.609	0	%100
72	MP3B	Z	-5.548	-5.548	0	%100
73	MP2B	X	7.938	7.938	0	%100
74	MP2B	Z	-4.583	-4.583	0	%100
75	MP1B	X	7.938	7.938	0	%100
76	MP1B	Z	-4.583	-4.583	0	%100
77	M65	X	2.402	2.402	0	%100
78	M65	Z	-1.387	-1.387	0	%100
79	M80	X	9.609	9.609	0	%100
80	M80	Z	-5.548	-5.548	0	%100
81	M83	X	2.402	2.402	0	%100
82	M83	Z	-1.387	-1.387	0	%100
83	M86	X	11.405	11.405	0	%100
84	M86	Z	-6.585	-6.585	0	%100
85	M87	X	2.851	2.851	0	%100
86	M87	Z	-1.646	-1.646	0	%100
87	M88	X	2.851	2.851	0	%100
88	M88	Z	-1.646	-1.646	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	0	0	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	18.932	18.932	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	18.932	18.932	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	19.25	19.25	0	%100
12	M9A	Z	0	0	0	%100
13	M10A	X	19.216	19.216	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	19.191	19.191	0	%100
16	M11A	Z	0	0	0	%100
17	M12B	X	19.25	19.25	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[in,%]	End Location[in,%]
18	M12B	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	17.05	17.05	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	17.05	17.05	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	4.824	4.824	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	4.824	4.824	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	12.865	12.865	0	%100
30	M17	Z	0	0	0	%100
31	M18	X	12.865	12.865	0	%100
32	M18	Z	0	0	0	%100
33	M19	X	.482	.482	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	.482	.482	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	.482	.482	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	.482	.482	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	1.085	1.085	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	1.085	1.085	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	0	0	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	0	0	0	%100
49	M146	X	1.085	1.085	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	1.085	1.085	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	9.166	9.166	0	%100
54	MP4A	Z	0	0	0	%100
55	MP3A	X	11.096	11.096	0	%100
56	MP3A	Z	0	0	0	%100
57	MP2A	X	9.166	9.166	0	%100
58	MP2A	Z	0	0	0	%100
59	MP1A	X	9.166	9.166	0	%100
60	MP1A	Z	0	0	0	%100
61	MP4C	X	9.166	9.166	0	%100
62	MP4C	Z	0	0	0	%100
63	MP3C	X	11.096	11.096	0	%100
64	MP3C	Z	0	0	0	%100
65	MP2C	X	9.166	9.166	0	%100
66	MP2C	Z	0	0	0	%100
67	MP1C	X	9.166	9.166	0	%100
68	MP1C	Z	0	0	0	%100
69	MP4B	X	9.166	9.166	0	%100
70	MP4B	Z	0	0	0	%100
71	MP3B	X	11.096	11.096	0	%100
72	MP3B	Z	0	0	0	%100
73	MP2B	X	9.166	9.166	0	%100
74	MP2B	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[in,%]	End Location[in,%]
75	MP1B	X	9.166	9.166	0	%100
76	MP1B	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M80	X	8.322	8.322	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	8.322	8.322	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	9.877	9.877	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	0	0	0	%100
87	M88	X	9.877	9.877	0	%100
88	M88	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[in,%]	End Location[in,%]
1	M12	X	5.547	5.547	0	%100
2	M12	Z	3.203	3.203	0	%100
3	M13	X	5.547	5.547	0	%100
4	M13	Z	3.203	3.203	0	%100
5	M7	X	5.465	5.465	0	%100
6	M7	Z	3.155	3.155	0	%100
7	M8	X	5.465	5.465	0	%100
8	M8	Z	3.155	3.155	0	%100
9	M9	X	21.86	21.86	0	%100
10	M9	Z	12.621	12.621	0	%100
11	M9A	X	5.574	5.574	0	%100
12	M9A	Z	3.218	3.218	0	%100
13	M10A	X	5.547	5.547	0	%100
14	M10A	Z	3.203	3.203	0	%100
15	M11A	X	22.194	22.194	0	%100
16	M11A	Z	12.814	12.814	0	%100
17	M12B	X	22.194	22.194	0	%100
18	M12B	Z	12.814	12.814	0	%100
19	M10	X	4.922	4.922	0	%100
20	M10	Z	2.842	2.842	0	%100
21	M11	X	4.922	4.922	0	%100
22	M11	Z	2.842	2.842	0	%100
23	M12A	X	19.688	19.688	0	%100
24	M12A	Z	11.367	11.367	0	%100
25	M13A	X	12.534	12.534	0	%100
26	M13A	Z	7.236	7.236	0	%100
27	M14	X	12.534	12.534	0	%100
28	M14	Z	7.236	7.236	0	%100
29	M17	X	11.141	11.141	0	%100
30	M17	Z	6.432	6.432	0	%100
31	M18	X	11.141	11.141	0	%100
32	M18	Z	6.432	6.432	0	%100
33	M19	X	1.253	1.253	0	%100
34	M19	Z	.724	.724	0	%100
35	M20	X	1.253	1.253	0	%100
36	M20	Z	.724	.724	0	%100
37	M21	X	1.253	1.253	0	%100
38	M21	Z	.724	.724	0	%100
39	M22	X	1.253	1.253	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[in,%]	End Location[in,%]
40	M22	Z	.724	.724	0	%100
41	M25	X	1.253	1.253	0	%100
42	M25	Z	.724	.724	0	%100
43	M137	X	1.253	1.253	0	%100
44	M137	Z	.724	.724	0	%100
45	M140A	X	.313	.313	0	%100
46	M140A	Z	.181	.181	0	%100
47	M141A	X	.313	.313	0	%100
48	M141A	Z	.181	.181	0	%100
49	M146	X	.313	.313	0	%100
50	M146	Z	.181	.181	0	%100
51	M147	X	.313	.313	0	%100
52	M147	Z	.181	.181	0	%100
53	MP4A	X	7.938	7.938	0	%100
54	MP4A	Z	4.583	4.583	0	%100
55	MP3A	X	9.609	9.609	0	%100
56	MP3A	Z	5.548	5.548	0	%100
57	MP2A	X	7.938	7.938	0	%100
58	MP2A	Z	4.583	4.583	0	%100
59	MP1A	X	7.938	7.938	0	%100
60	MP1A	Z	4.583	4.583	0	%100
61	MP4C	X	7.938	7.938	0	%100
62	MP4C	Z	4.583	4.583	0	%100
63	MP3C	X	9.609	9.609	0	%100
64	MP3C	Z	5.548	5.548	0	%100
65	MP2C	X	7.938	7.938	0	%100
66	MP2C	Z	4.583	4.583	0	%100
67	MP1C	X	7.938	7.938	0	%100
68	MP1C	Z	4.583	4.583	0	%100
69	MP4B	X	7.938	7.938	0	%100
70	MP4B	Z	4.583	4.583	0	%100
71	MP3B	X	9.609	9.609	0	%100
72	MP3B	Z	5.548	5.548	0	%100
73	MP2B	X	7.938	7.938	0	%100
74	MP2B	Z	4.583	4.583	0	%100
75	MP1B	X	7.938	7.938	0	%100
76	MP1B	Z	4.583	4.583	0	%100
77	M65	X	2.402	2.402	0	%100
78	M65	Z	1.387	1.387	0	%100
79	M80	X	2.402	2.402	0	%100
80	M80	Z	1.387	1.387	0	%100
81	M83	X	9.609	9.609	0	%100
82	M83	Z	5.548	5.548	0	%100
83	M86	X	2.851	2.851	0	%100
84	M86	Z	1.646	1.646	0	%100
85	M87	X	2.851	2.851	0	%100
86	M87	Z	1.646	1.646	0	%100
87	M88	X	11.405	11.405	0	%100
88	M88	Z	6.585	6.585	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[in,%]	End Location[in,%]
1	M12	X	9.608	9.608	0	%100
2	M12	Z	16.642	16.642	0	%100
3	M13	X	9.608	9.608	0	%100
4	M13	Z	16.642	16.642	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[in,%]	End Location[in,%]
5	M7	X	9.466	9.466	0	%100
6	M7	Z	16.395	16.395	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	9.466	9.466	0	%100
10	M9	Z	16.395	16.395	0	%100
11	M9A	X	2.2e-5	2.2e-5	0	%100
12	M9A	Z	3.9e-5	3.9e-5	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	9.625	9.625	0	%100
16	M11A	Z	16.671	16.671	0	%100
17	M12B	X	9.596	9.596	0	%100
18	M12B	Z	16.62	16.62	0	%100
19	M10	X	8.525	8.525	0	%100
20	M10	Z	14.766	14.766	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	8.525	8.525	0	%100
24	M12A	Z	14.766	14.766	0	%100
25	M13A	X	9.648	9.648	0	%100
26	M13A	Z	16.712	16.712	0	%100
27	M14	X	9.648	9.648	0	%100
28	M14	Z	16.712	16.712	0	%100
29	M17	X	6.432	6.432	0	%100
30	M17	Z	11.141	11.141	0	%100
31	M18	X	6.432	6.432	0	%100
32	M18	Z	11.141	11.141	0	%100
33	M19	X	.965	.965	0	%100
34	M19	Z	1.671	1.671	0	%100
35	M20	X	.965	.965	0	%100
36	M20	Z	1.671	1.671	0	%100
37	M21	X	.965	.965	0	%100
38	M21	Z	1.671	1.671	0	%100
39	M22	X	.965	.965	0	%100
40	M22	Z	1.671	1.671	0	%100
41	M25	X	.543	.543	0	%100
42	M25	Z	.94	.94	0	%100
43	M137	X	.543	.543	0	%100
44	M137	Z	.94	.94	0	%100
45	M140A	X	.543	.543	0	%100
46	M140A	Z	.94	.94	0	%100
47	M141A	X	.543	.543	0	%100
48	M141A	Z	.94	.94	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	4.583	4.583	0	%100
54	MP4A	Z	7.938	7.938	0	%100
55	MP3A	X	5.548	5.548	0	%100
56	MP3A	Z	9.609	9.609	0	%100
57	MP2A	X	4.583	4.583	0	%100
58	MP2A	Z	7.938	7.938	0	%100
59	MP1A	X	4.583	4.583	0	%100
60	MP1A	Z	7.938	7.938	0	%100
61	MP4C	X	4.583	4.583	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[in,%]	End Location[in,%]
62	MP4C	Z	7.938	7.938	0	%100
63	MP3C	X	5.548	5.548	0	%100
64	MP3C	Z	9.609	9.609	0	%100
65	MP2C	X	4.583	4.583	0	%100
66	MP2C	Z	7.938	7.938	0	%100
67	MP1C	X	4.583	4.583	0	%100
68	MP1C	Z	7.938	7.938	0	%100
69	MP4B	X	4.583	4.583	0	%100
70	MP4B	Z	7.938	7.938	0	%100
71	MP3B	X	5.548	5.548	0	%100
72	MP3B	Z	9.609	9.609	0	%100
73	MP2B	X	4.583	4.583	0	%100
74	MP2B	Z	7.938	7.938	0	%100
75	MP1B	X	4.583	4.583	0	%100
76	MP1B	Z	7.938	7.938	0	%100
77	M65	X	4.161	4.161	0	%100
78	M65	Z	7.207	7.207	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	4.161	4.161	0	%100
82	M83	Z	7.207	7.207	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	4.939	4.939	0	%100
86	M87	Z	8.554	8.554	0	%100
87	M88	X	4.939	4.939	0	%100
88	M88	Z	8.554	8.554	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	25.622	25.622	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	25.622	25.622	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	25.242	25.242	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	6.311	6.311	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	6.311	6.311	0	%100
11	M9A	X	0	0	0	%100
12	M9A	Z	6.378	6.378	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	6.405	6.405	0	%100
15	M11A	X	0	0	0	%100
16	M11A	Z	6.436	6.436	0	%100
17	M12B	X	0	0	0	%100
18	M12B	Z	6.378	6.378	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	22.733	22.733	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	5.683	5.683	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	5.683	5.683	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	14.473	14.473	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[in,%]	End Location[in,%]
27	M14	X	0	0	0	%100
28	M14	Z	14.473	14.473	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	12.865	12.865	0	%100
31	M18	X	0	0	0	%100
32	M18	Z	12.865	12.865	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	1.447	1.447	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	1.447	1.447	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	1.447	1.447	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	1.447	1.447	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.362	.362	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	.362	.362	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	1.447	1.447	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	1.447	1.447	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	.362	.362	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	.362	.362	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	9.166	9.166	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	11.096	11.096	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	9.166	9.166	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	9.166	9.166	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	9.166	9.166	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	11.096	11.096	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	9.166	9.166	0	%100
67	MP1C	X	0	0	0	%100
68	MP1C	Z	9.166	9.166	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	9.166	9.166	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	11.096	11.096	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	9.166	9.166	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	9.166	9.166	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	11.096	11.096	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	2.774	2.774	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	2.774	2.774	0	%100
83	M86	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[in,%]	End Location[in,%]
84	M86	Z	3.292	3.292	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	13.169	13.169	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	3.292	3.292	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[in,%]	End Location[in,%]
1	M12	X	-9.608	-9.608	0	%100
2	M12	Z	16.642	16.642	0	%100
3	M13	X	-9.608	-9.608	0	%100
4	M13	Z	16.642	16.642	0	%100
5	M7	X	-9.466	-9.466	0	%100
6	M7	Z	16.395	16.395	0	%100
7	M8	X	-9.466	-9.466	0	%100
8	M8	Z	16.395	16.395	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	-9.596	-9.596	0	%100
12	M9A	Z	16.62	16.62	0	%100
13	M10A	X	-9.608	-9.608	0	%100
14	M10A	Z	16.642	16.642	0	%100
15	M11A	X	-2.2e-5	-2.2e-5	0	%100
16	M11A	Z	3.9e-5	3.9e-5	0	%100
17	M12B	X	-2.2e-5	-2.2e-5	0	%100
18	M12B	Z	3.9e-5	3.9e-5	0	%100
19	M10	X	-8.525	-8.525	0	%100
20	M10	Z	14.766	14.766	0	%100
21	M11	X	-8.525	-8.525	0	%100
22	M11	Z	14.766	14.766	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	-2.412	-2.412	0	%100
26	M13A	Z	4.178	4.178	0	%100
27	M14	X	-2.412	-2.412	0	%100
28	M14	Z	4.178	4.178	0	%100
29	M17	X	-6.432	-6.432	0	%100
30	M17	Z	11.141	11.141	0	%100
31	M18	X	-6.432	-6.432	0	%100
32	M18	Z	11.141	11.141	0	%100
33	M19	X	-.241	-.241	0	%100
34	M19	Z	.418	.418	0	%100
35	M20	X	-.241	-.241	0	%100
36	M20	Z	.418	.418	0	%100
37	M21	X	-.241	-.241	0	%100
38	M21	Z	.418	.418	0	%100
39	M22	X	-.241	-.241	0	%100
40	M22	Z	.418	.418	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	-.543	-.543	0	%100
46	M140A	Z	.94	.94	0	%100
47	M141A	X	-.543	-.543	0	%100
48	M141A	Z	.94	.94	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[in,%]	End Location[in,%]
49	M146	X	-.543	-.543	0	%100
50	M146	Z	.94	.94	0	%100
51	M147	X	-.543	-.543	0	%100
52	M147	Z	.94	.94	0	%100
53	MP4A	X	-4.583	-4.583	0	%100
54	MP4A	Z	7.938	7.938	0	%100
55	MP3A	X	-5.548	-5.548	0	%100
56	MP3A	Z	9.609	9.609	0	%100
57	MP2A	X	-4.583	-4.583	0	%100
58	MP2A	Z	7.938	7.938	0	%100
59	MP1A	X	-4.583	-4.583	0	%100
60	MP1A	Z	7.938	7.938	0	%100
61	MP4C	X	-4.583	-4.583	0	%100
62	MP4C	Z	7.938	7.938	0	%100
63	MP3C	X	-5.548	-5.548	0	%100
64	MP3C	Z	9.609	9.609	0	%100
65	MP2C	X	-4.583	-4.583	0	%100
66	MP2C	Z	7.938	7.938	0	%100
67	MP1C	X	-4.583	-4.583	0	%100
68	MP1C	Z	7.938	7.938	0	%100
69	MP4B	X	-4.583	-4.583	0	%100
70	MP4B	Z	7.938	7.938	0	%100
71	MP3B	X	-5.548	-5.548	0	%100
72	MP3B	Z	9.609	9.609	0	%100
73	MP2B	X	-4.583	-4.583	0	%100
74	MP2B	Z	7.938	7.938	0	%100
75	MP1B	X	-4.583	-4.583	0	%100
76	MP1B	Z	7.938	7.938	0	%100
77	M65	X	-4.161	-4.161	0	%100
78	M65	Z	7.207	7.207	0	%100
79	M80	X	-4.161	-4.161	0	%100
80	M80	Z	7.207	7.207	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	-4.939	-4.939	0	%100
84	M86	Z	8.554	8.554	0	%100
85	M87	X	-4.939	-4.939	0	%100
86	M87	Z	8.554	8.554	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	0	0	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[in,%]	End Location[in,%]
1	M12	X	-5.547	-5.547	0	%100
2	M12	Z	3.203	3.203	0	%100
3	M13	X	-5.547	-5.547	0	%100
4	M13	Z	3.203	3.203	0	%100
5	M7	X	-5.465	-5.465	0	%100
6	M7	Z	3.155	3.155	0	%100
7	M8	X	-21.86	-21.86	0	%100
8	M8	Z	12.621	12.621	0	%100
9	M9	X	-5.465	-5.465	0	%100
10	M9	Z	3.155	3.155	0	%100
11	M9A	X	-22.194	-22.194	0	%100
12	M9A	Z	12.814	12.814	0	%100
13	M10A	X	-22.189	-22.189	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[in,%]	End Location[in,%]
14	M10A	Z	12.811	12.811	0	%100
15	M11A	X	-5.523	-5.523	0	%100
16	M11A	Z	3.189	3.189	0	%100
17	M12B	X	-5.574	-5.574	0	%100
18	M12B	Z	3.218	3.218	0	%100
19	M10	X	-4.922	-4.922	0	%100
20	M10	Z	2.842	2.842	0	%100
21	M11	X	-19.688	-19.688	0	%100
22	M11	Z	11.367	11.367	0	%100
23	M12A	X	-4.922	-4.922	0	%100
24	M12A	Z	2.842	2.842	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	-11.141	-11.141	0	%100
30	M17	Z	6.432	6.432	0	%100
31	M18	X	-11.141	-11.141	0	%100
32	M18	Z	6.432	6.432	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	-.313	-.313	0	%100
42	M25	Z	.181	.181	0	%100
43	M137	X	-.313	-.313	0	%100
44	M137	Z	.181	.181	0	%100
45	M140A	X	-.313	-.313	0	%100
46	M140A	Z	.181	.181	0	%100
47	M141A	X	-.313	-.313	0	%100
48	M141A	Z	.181	.181	0	%100
49	M146	X	-1.253	-1.253	0	%100
50	M146	Z	.724	.724	0	%100
51	M147	X	-1.253	-1.253	0	%100
52	M147	Z	.724	.724	0	%100
53	MP4A	X	-7.938	-7.938	0	%100
54	MP4A	Z	4.583	4.583	0	%100
55	MP3A	X	-9.609	-9.609	0	%100
56	MP3A	Z	5.548	5.548	0	%100
57	MP2A	X	-7.938	-7.938	0	%100
58	MP2A	Z	4.583	4.583	0	%100
59	MP1A	X	-7.938	-7.938	0	%100
60	MP1A	Z	4.583	4.583	0	%100
61	MP4C	X	-7.938	-7.938	0	%100
62	MP4C	Z	4.583	4.583	0	%100
63	MP3C	X	-9.609	-9.609	0	%100
64	MP3C	Z	5.548	5.548	0	%100
65	MP2C	X	-7.938	-7.938	0	%100
66	MP2C	Z	4.583	4.583	0	%100
67	MP1C	X	-7.938	-7.938	0	%100
68	MP1C	Z	4.583	4.583	0	%100
69	MP4B	X	-7.938	-7.938	0	%100
70	MP4B	Z	4.583	4.583	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[in,%]	End Location[in,%]
71	MP3B	X	-9.609	-9.609	0	%100
72	MP3B	Z	5.548	5.548	0	%100
73	MP2B	X	-7.938	-7.938	0	%100
74	MP2B	Z	4.583	4.583	0	%100
75	MP1B	X	-7.938	-7.938	0	%100
76	MP1B	Z	4.583	4.583	0	%100
77	M65	X	-2.402	-2.402	0	%100
78	M65	Z	1.387	1.387	0	%100
79	M80	X	-9.609	-9.609	0	%100
80	M80	Z	5.548	5.548	0	%100
81	M83	X	-2.402	-2.402	0	%100
82	M83	Z	1.387	1.387	0	%100
83	M86	X	-11.405	-11.405	0	%100
84	M86	Z	6.585	6.585	0	%100
85	M87	X	-2.851	-2.851	0	%100
86	M87	Z	1.646	1.646	0	%100
87	M88	X	-2.851	-2.851	0	%100
88	M88	Z	1.646	1.646	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	0	0	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-18.932	-18.932	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-18.932	-18.932	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	-19.25	-19.25	0	%100
12	M9A	Z	0	0	0	%100
13	M10A	X	-19.216	-19.216	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	-19.191	-19.191	0	%100
16	M11A	Z	0	0	0	%100
17	M12B	X	-19.25	-19.25	0	%100
18	M12B	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-17.05	-17.05	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	-17.05	-17.05	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	-4.824	-4.824	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	-4.824	-4.824	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	-12.865	-12.865	0	%100
30	M17	Z	0	0	0	%100
31	M18	X	-12.865	-12.865	0	%100
32	M18	Z	0	0	0	%100
33	M19	X	-.482	-.482	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	-.482	-.482	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[in,%]	End Location[in,%]
36	M20	Z	0	0	0	%100
37	M21	X	-.482	-.482	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	-.482	-.482	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	-1.085	-1.085	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	-1.085	-1.085	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	0	0	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	0	0	0	%100
49	M146	X	-1.085	-1.085	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	-1.085	-1.085	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	-9.166	-9.166	0	%100
54	MP4A	Z	0	0	0	%100
55	MP3A	X	-11.096	-11.096	0	%100
56	MP3A	Z	0	0	0	%100
57	MP2A	X	-9.166	-9.166	0	%100
58	MP2A	Z	0	0	0	%100
59	MP1A	X	-9.166	-9.166	0	%100
60	MP1A	Z	0	0	0	%100
61	MP4C	X	-9.166	-9.166	0	%100
62	MP4C	Z	0	0	0	%100
63	MP3C	X	-11.096	-11.096	0	%100
64	MP3C	Z	0	0	0	%100
65	MP2C	X	-9.166	-9.166	0	%100
66	MP2C	Z	0	0	0	%100
67	MP1C	X	-9.166	-9.166	0	%100
68	MP1C	Z	0	0	0	%100
69	MP4B	X	-9.166	-9.166	0	%100
70	MP4B	Z	0	0	0	%100
71	MP3B	X	-11.096	-11.096	0	%100
72	MP3B	Z	0	0	0	%100
73	MP2B	X	-9.166	-9.166	0	%100
74	MP2B	Z	0	0	0	%100
75	MP1B	X	-9.166	-9.166	0	%100
76	MP1B	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M80	X	-8.322	-8.322	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	-8.322	-8.322	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	-9.877	-9.877	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	0	0	0	%100
87	M88	X	-9.877	-9.877	0	%100
88	M88	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[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M12	X	-5.547	-5.547	0	%100
2	M12	Z	-3.203	-3.203	0	%100
3	M13	X	-5.547	-5.547	0	%100
4	M13	Z	-3.203	-3.203	0	%100
5	M7	X	-5.465	-5.465	0	%100
6	M7	Z	-3.155	-3.155	0	%100
7	M8	X	-5.465	-5.465	0	%100
8	M8	Z	-3.155	-3.155	0	%100
9	M9	X	-21.86	-21.86	0	%100
10	M9	Z	-12.621	-12.621	0	%100
11	M9A	X	-5.574	-5.574	0	%100
12	M9A	Z	-3.218	-3.218	0	%100
13	M10A	X	-5.547	-5.547	0	%100
14	M10A	Z	-3.203	-3.203	0	%100
15	M11A	X	-22.194	-22.194	0	%100
16	M11A	Z	-12.814	-12.814	0	%100
17	M12B	X	-22.194	-22.194	0	%100
18	M12B	Z	-12.814	-12.814	0	%100
19	M10	X	-4.922	-4.922	0	%100
20	M10	Z	-2.842	-2.842	0	%100
21	M11	X	-4.922	-4.922	0	%100
22	M11	Z	-2.842	-2.842	0	%100
23	M12A	X	-19.688	-19.688	0	%100
24	M12A	Z	-11.367	-11.367	0	%100
25	M13A	X	-12.534	-12.534	0	%100
26	M13A	Z	-7.236	-7.236	0	%100
27	M14	X	-12.534	-12.534	0	%100
28	M14	Z	-7.236	-7.236	0	%100
29	M17	X	-11.141	-11.141	0	%100
30	M17	Z	-6.432	-6.432	0	%100
31	M18	X	-11.141	-11.141	0	%100
32	M18	Z	-6.432	-6.432	0	%100
33	M19	X	-1.253	-1.253	0	%100
34	M19	Z	-.724	-.724	0	%100
35	M20	X	-1.253	-1.253	0	%100
36	M20	Z	-.724	-.724	0	%100
37	M21	X	-1.253	-1.253	0	%100
38	M21	Z	-.724	-.724	0	%100
39	M22	X	-1.253	-1.253	0	%100
40	M22	Z	-.724	-.724	0	%100
41	M25	X	-1.253	-1.253	0	%100
42	M25	Z	-.724	-.724	0	%100
43	M137	X	-1.253	-1.253	0	%100
44	M137	Z	-.724	-.724	0	%100
45	M140A	X	-.313	-.313	0	%100
46	M140A	Z	-.181	-.181	0	%100
47	M141A	X	-.313	-.313	0	%100
48	M141A	Z	-.181	-.181	0	%100
49	M146	X	-.313	-.313	0	%100
50	M146	Z	-.181	-.181	0	%100
51	M147	X	-.313	-.313	0	%100
52	M147	Z	-.181	-.181	0	%100
53	MP4A	X	-7.938	-7.938	0	%100
54	MP4A	Z	-4.583	-4.583	0	%100
55	MP3A	X	-9.609	-9.609	0	%100
56	MP3A	Z	-5.548	-5.548	0	%100
57	MP2A	X	-7.938	-7.938	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[in,%]	End Location[in,%]
58	MP2A	Z	-4.583	-4.583	0	%100
59	MP1A	X	-7.938	-7.938	0	%100
60	MP1A	Z	-4.583	-4.583	0	%100
61	MP4C	X	-7.938	-7.938	0	%100
62	MP4C	Z	-4.583	-4.583	0	%100
63	MP3C	X	-9.609	-9.609	0	%100
64	MP3C	Z	-5.548	-5.548	0	%100
65	MP2C	X	-7.938	-7.938	0	%100
66	MP2C	Z	-4.583	-4.583	0	%100
67	MP1C	X	-7.938	-7.938	0	%100
68	MP1C	Z	-4.583	-4.583	0	%100
69	MP4B	X	-7.938	-7.938	0	%100
70	MP4B	Z	-4.583	-4.583	0	%100
71	MP3B	X	-9.609	-9.609	0	%100
72	MP3B	Z	-5.548	-5.548	0	%100
73	MP2B	X	-7.938	-7.938	0	%100
74	MP2B	Z	-4.583	-4.583	0	%100
75	MP1B	X	-7.938	-7.938	0	%100
76	MP1B	Z	-4.583	-4.583	0	%100
77	M65	X	-2.402	-2.402	0	%100
78	M65	Z	-1.387	-1.387	0	%100
79	M80	X	-2.402	-2.402	0	%100
80	M80	Z	-1.387	-1.387	0	%100
81	M83	X	-9.609	-9.609	0	%100
82	M83	Z	-5.548	-5.548	0	%100
83	M86	X	-2.851	-2.851	0	%100
84	M86	Z	-1.646	-1.646	0	%100
85	M87	X	-2.851	-2.851	0	%100
86	M87	Z	-1.646	-1.646	0	%100
87	M88	X	-11.405	-11.405	0	%100
88	M88	Z	-6.585	-6.585	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[in,%]	End Location[in,%]
1	M12	X	-9.608	-9.608	0	%100
2	M12	Z	-16.642	-16.642	0	%100
3	M13	X	-9.608	-9.608	0	%100
4	M13	Z	-16.642	-16.642	0	%100
5	M7	X	-9.466	-9.466	0	%100
6	M7	Z	-16.395	-16.395	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-9.466	-9.466	0	%100
10	M9	Z	-16.395	-16.395	0	%100
11	M9A	X	-2.2e-5	-2.2e-5	0	%100
12	M9A	Z	-3.9e-5	-3.9e-5	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	-9.625	-9.625	0	%100
16	M11A	Z	-16.671	-16.671	0	%100
17	M12B	X	-9.596	-9.596	0	%100
18	M12B	Z	-16.62	-16.62	0	%100
19	M10	X	-8.525	-8.525	0	%100
20	M10	Z	-14.766	-14.766	0	%100
21	M11	X	0	0	0	%100
22	M11	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[in,%]	End Location[in,%]
23	M12A	X	-8.525	-8.525	0	%100
24	M12A	Z	-14.766	-14.766	0	%100
25	M13A	X	-9.648	-9.648	0	%100
26	M13A	Z	-16.712	-16.712	0	%100
27	M14	X	-9.648	-9.648	0	%100
28	M14	Z	-16.712	-16.712	0	%100
29	M17	X	-6.432	-6.432	0	%100
30	M17	Z	-11.141	-11.141	0	%100
31	M18	X	-6.432	-6.432	0	%100
32	M18	Z	-11.141	-11.141	0	%100
33	M19	X	-.965	-.965	0	%100
34	M19	Z	-1.671	-1.671	0	%100
35	M20	X	-.965	-.965	0	%100
36	M20	Z	-1.671	-1.671	0	%100
37	M21	X	-.965	-.965	0	%100
38	M21	Z	-1.671	-1.671	0	%100
39	M22	X	-.965	-.965	0	%100
40	M22	Z	-1.671	-1.671	0	%100
41	M25	X	-.543	-.543	0	%100
42	M25	Z	-.94	-.94	0	%100
43	M137	X	-.543	-.543	0	%100
44	M137	Z	-.94	-.94	0	%100
45	M140A	X	-.543	-.543	0	%100
46	M140A	Z	-.94	-.94	0	%100
47	M141A	X	-.543	-.543	0	%100
48	M141A	Z	-.94	-.94	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	-4.583	-4.583	0	%100
54	MP4A	Z	-7.938	-7.938	0	%100
55	MP3A	X	-5.548	-5.548	0	%100
56	MP3A	Z	-9.609	-9.609	0	%100
57	MP2A	X	-4.583	-4.583	0	%100
58	MP2A	Z	-7.938	-7.938	0	%100
59	MP1A	X	-4.583	-4.583	0	%100
60	MP1A	Z	-7.938	-7.938	0	%100
61	MP4C	X	-4.583	-4.583	0	%100
62	MP4C	Z	-7.938	-7.938	0	%100
63	MP3C	X	-5.548	-5.548	0	%100
64	MP3C	Z	-9.609	-9.609	0	%100
65	MP2C	X	-4.583	-4.583	0	%100
66	MP2C	Z	-7.938	-7.938	0	%100
67	MP1C	X	-4.583	-4.583	0	%100
68	MP1C	Z	-7.938	-7.938	0	%100
69	MP4B	X	-4.583	-4.583	0	%100
70	MP4B	Z	-7.938	-7.938	0	%100
71	MP3B	X	-5.548	-5.548	0	%100
72	MP3B	Z	-9.609	-9.609	0	%100
73	MP2B	X	-4.583	-4.583	0	%100
74	MP2B	Z	-7.938	-7.938	0	%100
75	MP1B	X	-4.583	-4.583	0	%100
76	MP1B	Z	-7.938	-7.938	0	%100
77	M65	X	-4.161	-4.161	0	%100
78	M65	Z	-7.207	-7.207	0	%100
79	M80	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[in,%]	End Location[in,%]
80	M80	Z	0	0	0	%100
81	M83	X	-4.161	-4.161	0	%100
82	M83	Z	-7.207	-7.207	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	-4.939	-4.939	0	%100
86	M87	Z	-8.554	-8.554	0	%100
87	M88	X	-4.939	-4.939	0	%100
88	M88	Z	-8.554	-8.554	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	-4.267	-4.267	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	-4.267	-4.267	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-4.22	-4.22	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-1.055	-1.055	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-1.055	-1.055	0	%100
11	M9A	X	0	0	0	%100
12	M9A	Z	-1.062	-1.062	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	-1.067	-1.067	0	%100
15	M11A	X	0	0	0	%100
16	M11A	Z	-1.072	-1.072	0	%100
17	M12B	X	0	0	0	%100
18	M12B	Z	-1.062	-1.062	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-3.722	-3.722	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.931	-.931	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	-.931	-.931	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	-2.296	-2.296	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-2.296	-2.296	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	-2.696	-2.696	0	%100
31	M18	X	0	0	0	%100
32	M18	Z	-2.696	-2.696	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	-.712	-.712	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	-.712	-.712	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	-.712	-.712	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	-.712	-.712	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-.215	-.215	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	-.215	-.215	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[in,%]	End Location[in,%]
45	M140A	X	0	0	0	%100
46	M140A	Z	-.861	-.861	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	-.861	-.861	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	-.215	-.215	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	-.215	-.215	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-2.241	-2.241	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	-2.478	-2.478	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-2.241	-2.241	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	-2.241	-2.241	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	-2.241	-2.241	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	-2.478	-2.478	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-2.241	-2.241	0	%100
67	MP1C	X	0	0	0	%100
68	MP1C	Z	-2.241	-2.241	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	-2.241	-2.241	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	-2.478	-2.478	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-2.241	-2.241	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-2.241	-2.241	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-2.478	-2.478	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-.62	-.62	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-.62	-.62	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	-.596	-.596	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	-2.383	-2.383	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	-.596	-.596	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[in,%]	End Location[in,%]
1	M12	X	1.6	1.6	0	%100
2	M12	Z	-2.771	-2.771	0	%100
3	M13	X	1.6	1.6	0	%100
4	M13	Z	-2.771	-2.771	0	%100
5	M7	X	1.582	1.582	0	%100
6	M7	Z	-2.741	-2.741	0	%100
7	M8	X	1.582	1.582	0	%100
8	M8	Z	-2.741	-2.741	0	%100
9	M9	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
10	M9	Z	0	0	0	%100
11	M9A	X	1.598	1.598	0	%100
12	M9A	Z	-2.767	-2.767	0	%100
13	M10A	X	1.6	1.6	0	%100
14	M10A	Z	-2.771	-2.771	0	%100
15	M11A	X	4e-6	4e-6	0	%100
16	M11A	Z	-6e-6	-6e-6	0	%100
17	M12B	X	4e-6	4e-6	0	%100
18	M12B	Z	-6e-6	-6e-6	0	%100
19	M10	X	1.396	1.396	0	%100
20	M10	Z	-2.418	-2.418	0	%100
21	M11	X	1.396	1.396	0	%100
22	M11	Z	-2.418	-2.418	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	.383	.383	0	%100
26	M13A	Z	-.663	-.663	0	%100
27	M14	X	.383	.383	0	%100
28	M14	Z	-.663	-.663	0	%100
29	M17	X	1.348	1.348	0	%100
30	M17	Z	-2.335	-2.335	0	%100
31	M18	X	1.348	1.348	0	%100
32	M18	Z	-2.335	-2.335	0	%100
33	M19	X	.119	.119	0	%100
34	M19	Z	-.206	-.206	0	%100
35	M20	X	.119	.119	0	%100
36	M20	Z	-.206	-.206	0	%100
37	M21	X	.119	.119	0	%100
38	M21	Z	-.206	-.206	0	%100
39	M22	X	.119	.119	0	%100
40	M22	Z	-.206	-.206	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	.323	.323	0	%100
46	M140A	Z	-.559	-.559	0	%100
47	M141A	X	.323	.323	0	%100
48	M141A	Z	-.559	-.559	0	%100
49	M146	X	.323	.323	0	%100
50	M146	Z	-.559	-.559	0	%100
51	M147	X	.323	.323	0	%100
52	M147	Z	-.559	-.559	0	%100
53	MP4A	X	1.12	1.12	0	%100
54	MP4A	Z	-1.94	-1.94	0	%100
55	MP3A	X	1.239	1.239	0	%100
56	MP3A	Z	-2.146	-2.146	0	%100
57	MP2A	X	1.12	1.12	0	%100
58	MP2A	Z	-1.94	-1.94	0	%100
59	MP1A	X	1.12	1.12	0	%100
60	MP1A	Z	-1.94	-1.94	0	%100
61	MP4C	X	1.12	1.12	0	%100
62	MP4C	Z	-1.94	-1.94	0	%100
63	MP3C	X	1.239	1.239	0	%100
64	MP3C	Z	-2.146	-2.146	0	%100
65	MP2C	X	1.12	1.12	0	%100
66	MP2C	Z	-1.94	-1.94	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[in,%]	End Location[in,%]
67	MP1C	X	1.12	1.12	0	%100
68	MP1C	Z	-1.94	-1.94	0	%100
69	MP4B	X	1.12	1.12	0	%100
70	MP4B	Z	-1.94	-1.94	0	%100
71	MP3B	X	1.239	1.239	0	%100
72	MP3B	Z	-2.146	-2.146	0	%100
73	MP2B	X	1.12	1.12	0	%100
74	MP2B	Z	-1.94	-1.94	0	%100
75	MP1B	X	1.12	1.12	0	%100
76	MP1B	Z	-1.94	-1.94	0	%100
77	M65	X	.929	.929	0	%100
78	M65	Z	-1.61	-1.61	0	%100
79	M80	X	.929	.929	0	%100
80	M80	Z	-1.61	-1.61	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	.893	.893	0	%100
84	M86	Z	-1.548	-1.548	0	%100
85	M87	X	.893	.893	0	%100
86	M87	Z	-1.548	-1.548	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	0	0	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[in,%]	End Location[in,%]
1	M12	X	.924	.924	0	%100
2	M12	Z	-.533	-.533	0	%100
3	M13	X	.924	.924	0	%100
4	M13	Z	-.533	-.533	0	%100
5	M7	X	.914	.914	0	%100
6	M7	Z	-.527	-.527	0	%100
7	M8	X	3.654	3.654	0	%100
8	M8	Z	-2.11	-2.11	0	%100
9	M9	X	.914	.914	0	%100
10	M9	Z	-.527	-.527	0	%100
11	M9A	X	3.695	3.695	0	%100
12	M9A	Z	-2.134	-2.134	0	%100
13	M10A	X	3.695	3.695	0	%100
14	M10A	Z	-2.133	-2.133	0	%100
15	M11A	X	.92	.92	0	%100
16	M11A	Z	-.531	-.531	0	%100
17	M12B	X	.928	.928	0	%100
18	M12B	Z	-.536	-.536	0	%100
19	M10	X	.806	.806	0	%100
20	M10	Z	-.465	-.465	0	%100
21	M11	X	3.223	3.223	0	%100
22	M11	Z	-1.861	-1.861	0	%100
23	M12A	X	.806	.806	0	%100
24	M12A	Z	-.465	-.465	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	2.335	2.335	0	%100
30	M17	Z	-1.348	-1.348	0	%100
31	M18	X	2.335	2.335	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[in,%]	End Location[in,%]
32	M18	Z	-1.348	-1.348	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	.186	.186	0	%100
42	M25	Z	-.108	-.108	0	%100
43	M137	X	.186	.186	0	%100
44	M137	Z	-.108	-.108	0	%100
45	M140A	X	.186	.186	0	%100
46	M140A	Z	-.108	-.108	0	%100
47	M141A	X	.186	.186	0	%100
48	M141A	Z	-.108	-.108	0	%100
49	M146	X	.746	.746	0	%100
50	M146	Z	-.431	-.431	0	%100
51	M147	X	.746	.746	0	%100
52	M147	Z	-.431	-.431	0	%100
53	MP4A	X	1.94	1.94	0	%100
54	MP4A	Z	-1.12	-1.12	0	%100
55	MP3A	X	2.146	2.146	0	%100
56	MP3A	Z	-1.239	-1.239	0	%100
57	MP2A	X	1.94	1.94	0	%100
58	MP2A	Z	-1.12	-1.12	0	%100
59	MP1A	X	1.94	1.94	0	%100
60	MP1A	Z	-1.12	-1.12	0	%100
61	MP4C	X	1.94	1.94	0	%100
62	MP4C	Z	-1.12	-1.12	0	%100
63	MP3C	X	2.146	2.146	0	%100
64	MP3C	Z	-1.239	-1.239	0	%100
65	MP2C	X	1.94	1.94	0	%100
66	MP2C	Z	-1.12	-1.12	0	%100
67	MP1C	X	1.94	1.94	0	%100
68	MP1C	Z	-1.12	-1.12	0	%100
69	MP4B	X	1.94	1.94	0	%100
70	MP4B	Z	-1.12	-1.12	0	%100
71	MP3B	X	2.146	2.146	0	%100
72	MP3B	Z	-1.239	-1.239	0	%100
73	MP2B	X	1.94	1.94	0	%100
74	MP2B	Z	-1.12	-1.12	0	%100
75	MP1B	X	1.94	1.94	0	%100
76	MP1B	Z	-1.12	-1.12	0	%100
77	M65	X	.537	.537	0	%100
78	M65	Z	-.31	-.31	0	%100
79	M80	X	2.146	2.146	0	%100
80	M80	Z	-1.239	-1.239	0	%100
81	M83	X	.537	.537	0	%100
82	M83	Z	-.31	-.31	0	%100
83	M86	X	2.063	2.063	0	%100
84	M86	Z	-1.191	-1.191	0	%100
85	M87	X	.516	.516	0	%100
86	M87	Z	-.298	-.298	0	%100
87	M88	X	.516	.516	0	%100
88	M88	Z	-.298	-.298	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	0	0	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	3.165	3.165	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	3.165	3.165	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	3.205	3.205	0	%100
12	M9A	Z	0	0	0	%100
13	M10A	X	3.2	3.2	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	3.196	3.196	0	%100
16	M11A	Z	0	0	0	%100
17	M12B	X	3.205	3.205	0	%100
18	M12B	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	2.792	2.792	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	2.792	2.792	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	.765	.765	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	.765	.765	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	2.696	2.696	0	%100
30	M17	Z	0	0	0	%100
31	M18	X	2.696	2.696	0	%100
32	M18	Z	0	0	0	%100
33	M19	X	.237	.237	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	.237	.237	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	.237	.237	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	.237	.237	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	.646	.646	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	.646	.646	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	0	0	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	0	0	0	%100
49	M146	X	.646	.646	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	.646	.646	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	2.241	2.241	0	%100
54	MP4A	Z	0	0	0	%100
55	MP3A	X	2.478	2.478	0	%100
56	MP3A	Z	0	0	0	%100
57	MP2A	X	2.241	2.241	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[in,%]	End Location[in,%]
58	MP2A	Z	0	0	0	%100
59	MP1A	X	2.241	2.241	0	%100
60	MP1A	Z	0	0	0	%100
61	MP4C	X	2.241	2.241	0	%100
62	MP4C	Z	0	0	0	%100
63	MP3C	X	2.478	2.478	0	%100
64	MP3C	Z	0	0	0	%100
65	MP2C	X	2.241	2.241	0	%100
66	MP2C	Z	0	0	0	%100
67	MP1C	X	2.241	2.241	0	%100
68	MP1C	Z	0	0	0	%100
69	MP4B	X	2.241	2.241	0	%100
70	MP4B	Z	0	0	0	%100
71	MP3B	X	2.478	2.478	0	%100
72	MP3B	Z	0	0	0	%100
73	MP2B	X	2.241	2.241	0	%100
74	MP2B	Z	0	0	0	%100
75	MP1B	X	2.241	2.241	0	%100
76	MP1B	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M80	X	1.859	1.859	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	1.859	1.859	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	1.787	1.787	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	0	0	0	%100
87	M88	X	1.787	1.787	0	%100
88	M88	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[in,%]	End Location[in,%]
1	M12	X	.924	.924	0	%100
2	M12	Z	.533	.533	0	%100
3	M13	X	.924	.924	0	%100
4	M13	Z	.533	.533	0	%100
5	M7	X	.914	.914	0	%100
6	M7	Z	.527	.527	0	%100
7	M8	X	.914	.914	0	%100
8	M8	Z	.527	.527	0	%100
9	M9	X	3.654	3.654	0	%100
10	M9	Z	2.11	2.11	0	%100
11	M9A	X	.928	.928	0	%100
12	M9A	Z	.536	.536	0	%100
13	M10A	X	.924	.924	0	%100
14	M10A	Z	.533	.533	0	%100
15	M11A	X	3.695	3.695	0	%100
16	M11A	Z	2.134	2.134	0	%100
17	M12B	X	3.695	3.695	0	%100
18	M12B	Z	2.134	2.134	0	%100
19	M10	X	.806	.806	0	%100
20	M10	Z	.465	.465	0	%100
21	M11	X	.806	.806	0	%100
22	M11	Z	.465	.465	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[in,%]	End Location[in,%]
23	M12A	X	3.223	3.223	0	%100
24	M12A	Z	1.861	1.861	0	%100
25	M13A	X	1.989	1.989	0	%100
26	M13A	Z	1.148	1.148	0	%100
27	M14	X	1.989	1.989	0	%100
28	M14	Z	1.148	1.148	0	%100
29	M17	X	2.335	2.335	0	%100
30	M17	Z	1.348	1.348	0	%100
31	M18	X	2.335	2.335	0	%100
32	M18	Z	1.348	1.348	0	%100
33	M19	X	.617	.617	0	%100
34	M19	Z	.356	.356	0	%100
35	M20	X	.617	.617	0	%100
36	M20	Z	.356	.356	0	%100
37	M21	X	.617	.617	0	%100
38	M21	Z	.356	.356	0	%100
39	M22	X	.617	.617	0	%100
40	M22	Z	.356	.356	0	%100
41	M25	X	.746	.746	0	%100
42	M25	Z	.431	.431	0	%100
43	M137	X	.746	.746	0	%100
44	M137	Z	.431	.431	0	%100
45	M140A	X	.186	.186	0	%100
46	M140A	Z	.108	.108	0	%100
47	M141A	X	.186	.186	0	%100
48	M141A	Z	.108	.108	0	%100
49	M146	X	.186	.186	0	%100
50	M146	Z	.108	.108	0	%100
51	M147	X	.186	.186	0	%100
52	M147	Z	.108	.108	0	%100
53	MP4A	X	1.94	1.94	0	%100
54	MP4A	Z	1.12	1.12	0	%100
55	MP3A	X	2.146	2.146	0	%100
56	MP3A	Z	1.239	1.239	0	%100
57	MP2A	X	1.94	1.94	0	%100
58	MP2A	Z	1.12	1.12	0	%100
59	MP1A	X	1.94	1.94	0	%100
60	MP1A	Z	1.12	1.12	0	%100
61	MP4C	X	1.94	1.94	0	%100
62	MP4C	Z	1.12	1.12	0	%100
63	MP3C	X	2.146	2.146	0	%100
64	MP3C	Z	1.239	1.239	0	%100
65	MP2C	X	1.94	1.94	0	%100
66	MP2C	Z	1.12	1.12	0	%100
67	MP1C	X	1.94	1.94	0	%100
68	MP1C	Z	1.12	1.12	0	%100
69	MP4B	X	1.94	1.94	0	%100
70	MP4B	Z	1.12	1.12	0	%100
71	MP3B	X	2.146	2.146	0	%100
72	MP3B	Z	1.239	1.239	0	%100
73	MP2B	X	1.94	1.94	0	%100
74	MP2B	Z	1.12	1.12	0	%100
75	MP1B	X	1.94	1.94	0	%100
76	MP1B	Z	1.12	1.12	0	%100
77	M65	X	.537	.537	0	%100
78	M65	Z	.31	.31	0	%100
79	M80	X	.537	.537	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[in,%]	End Location[in,%]
80	M80	Z	.31	.31	0	%100
81	M83	X	2.146	2.146	0	%100
82	M83	Z	1.239	1.239	0	%100
83	M86	X	.516	.516	0	%100
84	M86	Z	.298	.298	0	%100
85	M87	X	.516	.516	0	%100
86	M87	Z	.298	.298	0	%100
87	M88	X	2.063	2.063	0	%100
88	M88	Z	1.191	1.191	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[in,%]	End Location[in,%]
1	M12	X	1.6	1.6	0	%100
2	M12	Z	2.771	2.771	0	%100
3	M13	X	1.6	1.6	0	%100
4	M13	Z	2.771	2.771	0	%100
5	M7	X	1.582	1.582	0	%100
6	M7	Z	2.741	2.741	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	1.582	1.582	0	%100
10	M9	Z	2.741	2.741	0	%100
11	M9A	X	4e-6	4e-6	0	%100
12	M9A	Z	6e-6	6e-6	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	1.603	1.603	0	%100
16	M11A	Z	2.776	2.776	0	%100
17	M12B	X	1.598	1.598	0	%100
18	M12B	Z	2.767	2.767	0	%100
19	M10	X	1.396	1.396	0	%100
20	M10	Z	2.418	2.418	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	1.396	1.396	0	%100
24	M12A	Z	2.418	2.418	0	%100
25	M13A	X	1.531	1.531	0	%100
26	M13A	Z	2.652	2.652	0	%100
27	M14	X	1.531	1.531	0	%100
28	M14	Z	2.652	2.652	0	%100
29	M17	X	1.348	1.348	0	%100
30	M17	Z	2.335	2.335	0	%100
31	M18	X	1.348	1.348	0	%100
32	M18	Z	2.335	2.335	0	%100
33	M19	X	.475	.475	0	%100
34	M19	Z	.822	.822	0	%100
35	M20	X	.475	.475	0	%100
36	M20	Z	.822	.822	0	%100
37	M21	X	.475	.475	0	%100
38	M21	Z	.822	.822	0	%100
39	M22	X	.475	.475	0	%100
40	M22	Z	.822	.822	0	%100
41	M25	X	.323	.323	0	%100
42	M25	Z	.559	.559	0	%100
43	M137	X	.323	.323	0	%100
44	M137	Z	.559	.559	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[in,%]	End Location[in,%]
45	M140A	X	.323	.323	0	%100
46	M140A	Z	.559	.559	0	%100
47	M141A	X	.323	.323	0	%100
48	M141A	Z	.559	.559	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	1.12	1.12	0	%100
54	MP4A	Z	1.94	1.94	0	%100
55	MP3A	X	1.239	1.239	0	%100
56	MP3A	Z	2.146	2.146	0	%100
57	MP2A	X	1.12	1.12	0	%100
58	MP2A	Z	1.94	1.94	0	%100
59	MP1A	X	1.12	1.12	0	%100
60	MP1A	Z	1.94	1.94	0	%100
61	MP4C	X	1.12	1.12	0	%100
62	MP4C	Z	1.94	1.94	0	%100
63	MP3C	X	1.239	1.239	0	%100
64	MP3C	Z	2.146	2.146	0	%100
65	MP2C	X	1.12	1.12	0	%100
66	MP2C	Z	1.94	1.94	0	%100
67	MP1C	X	1.12	1.12	0	%100
68	MP1C	Z	1.94	1.94	0	%100
69	MP4B	X	1.12	1.12	0	%100
70	MP4B	Z	1.94	1.94	0	%100
71	MP3B	X	1.239	1.239	0	%100
72	MP3B	Z	2.146	2.146	0	%100
73	MP2B	X	1.12	1.12	0	%100
74	MP2B	Z	1.94	1.94	0	%100
75	MP1B	X	1.12	1.12	0	%100
76	MP1B	Z	1.94	1.94	0	%100
77	M65	X	.929	.929	0	%100
78	M65	Z	1.61	1.61	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	.929	.929	0	%100
82	M83	Z	1.61	1.61	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	.893	.893	0	%100
86	M87	Z	1.548	1.548	0	%100
87	M88	X	.893	.893	0	%100
88	M88	Z	1.548	1.548	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	4.267	4.267	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	4.267	4.267	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	4.22	4.22	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	1.055	1.055	0	%100
9	M9	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[in,%]	End Location[in,%]
10	M9	Z	1.055	1.055	0	%100
11	M9A	X	0	0	0	%100
12	M9A	Z	1.062	1.062	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	1.067	1.067	0	%100
15	M11A	X	0	0	0	%100
16	M11A	Z	1.072	1.072	0	%100
17	M12B	X	0	0	0	%100
18	M12B	Z	1.062	1.062	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	3.722	3.722	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.931	.931	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	.931	.931	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	2.296	2.296	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	2.296	2.296	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	2.696	2.696	0	%100
31	M18	X	0	0	0	%100
32	M18	Z	2.696	2.696	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	.712	.712	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	.712	.712	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	.712	.712	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	.712	.712	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.215	.215	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	.215	.215	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	.861	.861	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	.861	.861	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	.215	.215	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	.215	.215	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	2.241	2.241	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	2.478	2.478	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	2.241	2.241	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	2.241	2.241	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	2.241	2.241	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	2.478	2.478	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	2.241	2.241	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[in,%]	End Location[in,%]
67	MP1C	X	0	0	0	%100
68	MP1C	Z	2.241	2.241	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	2.241	2.241	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	2.478	2.478	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	2.241	2.241	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	2.241	2.241	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	2.478	2.478	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.62	.62	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	.62	.62	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	.596	.596	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	2.383	2.383	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	.596	.596	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[in,%]	End Location[in,%]
1	M12	X	-1.6	-1.6	0	%100
2	M12	Z	2.771	2.771	0	%100
3	M13	X	-1.6	-1.6	0	%100
4	M13	Z	2.771	2.771	0	%100
5	M7	X	-1.582	-1.582	0	%100
6	M7	Z	2.741	2.741	0	%100
7	M8	X	-1.582	-1.582	0	%100
8	M8	Z	2.741	2.741	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	-1.598	-1.598	0	%100
12	M9A	Z	2.767	2.767	0	%100
13	M10A	X	-1.6	-1.6	0	%100
14	M10A	Z	2.771	2.771	0	%100
15	M11A	X	-4e-6	-4e-6	0	%100
16	M11A	Z	6e-6	6e-6	0	%100
17	M12B	X	-4e-6	-4e-6	0	%100
18	M12B	Z	6e-6	6e-6	0	%100
19	M10	X	-1.396	-1.396	0	%100
20	M10	Z	2.418	2.418	0	%100
21	M11	X	-1.396	-1.396	0	%100
22	M11	Z	2.418	2.418	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	-.383	-.383	0	%100
26	M13A	Z	.663	.663	0	%100
27	M14	X	-.383	-.383	0	%100
28	M14	Z	.663	.663	0	%100
29	M17	X	-1.348	-1.348	0	%100
30	M17	Z	2.335	2.335	0	%100
31	M18	X	-1.348	-1.348	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[in,%]	End Location[in,%]
32	M18	Z	2.335	2.335	0	%100
33	M19	X	-.119	-.119	0	%100
34	M19	Z	.206	.206	0	%100
35	M20	X	-.119	-.119	0	%100
36	M20	Z	.206	.206	0	%100
37	M21	X	-.119	-.119	0	%100
38	M21	Z	.206	.206	0	%100
39	M22	X	-.119	-.119	0	%100
40	M22	Z	.206	.206	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	-.323	-.323	0	%100
46	M140A	Z	.559	.559	0	%100
47	M141A	X	-.323	-.323	0	%100
48	M141A	Z	.559	.559	0	%100
49	M146	X	-.323	-.323	0	%100
50	M146	Z	.559	.559	0	%100
51	M147	X	-.323	-.323	0	%100
52	M147	Z	.559	.559	0	%100
53	MP4A	X	-1.12	-1.12	0	%100
54	MP4A	Z	1.94	1.94	0	%100
55	MP3A	X	-1.239	-1.239	0	%100
56	MP3A	Z	2.146	2.146	0	%100
57	MP2A	X	-1.12	-1.12	0	%100
58	MP2A	Z	1.94	1.94	0	%100
59	MP1A	X	-1.12	-1.12	0	%100
60	MP1A	Z	1.94	1.94	0	%100
61	MP4C	X	-1.12	-1.12	0	%100
62	MP4C	Z	1.94	1.94	0	%100
63	MP3C	X	-1.239	-1.239	0	%100
64	MP3C	Z	2.146	2.146	0	%100
65	MP2C	X	-1.12	-1.12	0	%100
66	MP2C	Z	1.94	1.94	0	%100
67	MP1C	X	-1.12	-1.12	0	%100
68	MP1C	Z	1.94	1.94	0	%100
69	MP4B	X	-1.12	-1.12	0	%100
70	MP4B	Z	1.94	1.94	0	%100
71	MP3B	X	-1.239	-1.239	0	%100
72	MP3B	Z	2.146	2.146	0	%100
73	MP2B	X	-1.12	-1.12	0	%100
74	MP2B	Z	1.94	1.94	0	%100
75	MP1B	X	-1.12	-1.12	0	%100
76	MP1B	Z	1.94	1.94	0	%100
77	M65	X	-.929	-.929	0	%100
78	M65	Z	1.61	1.61	0	%100
79	M80	X	-.929	-.929	0	%100
80	M80	Z	1.61	1.61	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	-.893	-.893	0	%100
84	M86	Z	1.548	1.548	0	%100
85	M87	X	-.893	-.893	0	%100
86	M87	Z	1.548	1.548	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	0	0	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[in,%]	End Location[in,%]
1	M12	X	-.924	-.924	0	%100
2	M12	Z	.533	.533	0	%100
3	M13	X	-.924	-.924	0	%100
4	M13	Z	.533	.533	0	%100
5	M7	X	-.914	-.914	0	%100
6	M7	Z	.527	.527	0	%100
7	M8	X	-3.654	-3.654	0	%100
8	M8	Z	2.11	2.11	0	%100
9	M9	X	-.914	-.914	0	%100
10	M9	Z	.527	.527	0	%100
11	M9A	X	-3.695	-3.695	0	%100
12	M9A	Z	2.134	2.134	0	%100
13	M10A	X	-3.695	-3.695	0	%100
14	M10A	Z	2.133	2.133	0	%100
15	M11A	X	-.92	-.92	0	%100
16	M11A	Z	.531	.531	0	%100
17	M12B	X	-.928	-.928	0	%100
18	M12B	Z	.536	.536	0	%100
19	M10	X	-.806	-.806	0	%100
20	M10	Z	.465	.465	0	%100
21	M11	X	-3.223	-3.223	0	%100
22	M11	Z	1.861	1.861	0	%100
23	M12A	X	-.806	-.806	0	%100
24	M12A	Z	.465	.465	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	-2.335	-2.335	0	%100
30	M17	Z	1.348	1.348	0	%100
31	M18	X	-2.335	-2.335	0	%100
32	M18	Z	1.348	1.348	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	-.186	-.186	0	%100
42	M25	Z	.108	.108	0	%100
43	M137	X	-.186	-.186	0	%100
44	M137	Z	.108	.108	0	%100
45	M140A	X	-.186	-.186	0	%100
46	M140A	Z	.108	.108	0	%100
47	M141A	X	-.186	-.186	0	%100
48	M141A	Z	.108	.108	0	%100
49	M146	X	-.746	-.746	0	%100
50	M146	Z	.431	.431	0	%100
51	M147	X	-.746	-.746	0	%100
52	M147	Z	.431	.431	0	%100
53	MP4A	X	-1.94	-1.94	0	%100
54	MP4A	Z	1.12	1.12	0	%100
55	MP3A	X	-2.146	-2.146	0	%100
56	MP3A	Z	1.239	1.239	0	%100
57	MP2A	X	-1.94	-1.94	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[in,%]	End Location[in,%]
58	MP2A	Z	1.12	1.12	0	%100
59	MP1A	X	-1.94	-1.94	0	%100
60	MP1A	Z	1.12	1.12	0	%100
61	MP4C	X	-1.94	-1.94	0	%100
62	MP4C	Z	1.12	1.12	0	%100
63	MP3C	X	-2.146	-2.146	0	%100
64	MP3C	Z	1.239	1.239	0	%100
65	MP2C	X	-1.94	-1.94	0	%100
66	MP2C	Z	1.12	1.12	0	%100
67	MP1C	X	-1.94	-1.94	0	%100
68	MP1C	Z	1.12	1.12	0	%100
69	MP4B	X	-1.94	-1.94	0	%100
70	MP4B	Z	1.12	1.12	0	%100
71	MP3B	X	-2.146	-2.146	0	%100
72	MP3B	Z	1.239	1.239	0	%100
73	MP2B	X	-1.94	-1.94	0	%100
74	MP2B	Z	1.12	1.12	0	%100
75	MP1B	X	-1.94	-1.94	0	%100
76	MP1B	Z	1.12	1.12	0	%100
77	M65	X	-.537	-.537	0	%100
78	M65	Z	.31	.31	0	%100
79	M80	X	-2.146	-2.146	0	%100
80	M80	Z	1.239	1.239	0	%100
81	M83	X	-.537	-.537	0	%100
82	M83	Z	.31	.31	0	%100
83	M86	X	-2.063	-2.063	0	%100
84	M86	Z	1.191	1.191	0	%100
85	M87	X	-.516	-.516	0	%100
86	M87	Z	.298	.298	0	%100
87	M88	X	-.516	-.516	0	%100
88	M88	Z	.298	.298	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	0	0	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-3.165	-3.165	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-3.165	-3.165	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	-3.205	-3.205	0	%100
12	M9A	Z	0	0	0	%100
13	M10A	X	-3.2	-3.2	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	-3.196	-3.196	0	%100
16	M11A	Z	0	0	0	%100
17	M12B	X	-3.205	-3.205	0	%100
18	M12B	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-2.792	-2.792	0	%100
22	M11	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[in,%]	End Location[in,%]
23	M12A	X	-2.792	-2.792	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	-.765	-.765	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	-.765	-.765	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	-2.696	-2.696	0	%100
30	M17	Z	0	0	0	%100
31	M18	X	-2.696	-2.696	0	%100
32	M18	Z	0	0	0	%100
33	M19	X	-.237	-.237	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	-.237	-.237	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	-.237	-.237	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	-.237	-.237	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	-.646	-.646	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	-.646	-.646	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	0	0	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	0	0	0	%100
49	M146	X	-.646	-.646	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	-.646	-.646	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	-2.241	-2.241	0	%100
54	MP4A	Z	0	0	0	%100
55	MP3A	X	-2.478	-2.478	0	%100
56	MP3A	Z	0	0	0	%100
57	MP2A	X	-2.241	-2.241	0	%100
58	MP2A	Z	0	0	0	%100
59	MP1A	X	-2.241	-2.241	0	%100
60	MP1A	Z	0	0	0	%100
61	MP4C	X	-2.241	-2.241	0	%100
62	MP4C	Z	0	0	0	%100
63	MP3C	X	-2.478	-2.478	0	%100
64	MP3C	Z	0	0	0	%100
65	MP2C	X	-2.241	-2.241	0	%100
66	MP2C	Z	0	0	0	%100
67	MP1C	X	-2.241	-2.241	0	%100
68	MP1C	Z	0	0	0	%100
69	MP4B	X	-2.241	-2.241	0	%100
70	MP4B	Z	0	0	0	%100
71	MP3B	X	-2.478	-2.478	0	%100
72	MP3B	Z	0	0	0	%100
73	MP2B	X	-2.241	-2.241	0	%100
74	MP2B	Z	0	0	0	%100
75	MP1B	X	-2.241	-2.241	0	%100
76	MP1B	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M80	X	-1.859	-1.859	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[in,%]	End Location[in,%]
80	M80	Z	0	0	0	%100
81	M83	X	-1.859	-1.859	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	-1.787	-1.787	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	0	0	0	%100
87	M88	X	-1.787	-1.787	0	%100
88	M88	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[in,%]	End Location[in,%]
1	M12	X	-.924	-.924	0	%100
2	M12	Z	-.533	-.533	0	%100
3	M13	X	-.924	-.924	0	%100
4	M13	Z	-.533	-.533	0	%100
5	M7	X	-.914	-.914	0	%100
6	M7	Z	-.527	-.527	0	%100
7	M8	X	-.914	-.914	0	%100
8	M8	Z	-.527	-.527	0	%100
9	M9	X	-3.654	-3.654	0	%100
10	M9	Z	-2.11	-2.11	0	%100
11	M9A	X	-.928	-.928	0	%100
12	M9A	Z	-.536	-.536	0	%100
13	M10A	X	-.924	-.924	0	%100
14	M10A	Z	-.533	-.533	0	%100
15	M11A	X	-3.695	-3.695	0	%100
16	M11A	Z	-2.134	-2.134	0	%100
17	M12B	X	-3.695	-3.695	0	%100
18	M12B	Z	-2.134	-2.134	0	%100
19	M10	X	-.806	-.806	0	%100
20	M10	Z	-.465	-.465	0	%100
21	M11	X	-.806	-.806	0	%100
22	M11	Z	-.465	-.465	0	%100
23	M12A	X	-3.223	-3.223	0	%100
24	M12A	Z	-1.861	-1.861	0	%100
25	M13A	X	-1.989	-1.989	0	%100
26	M13A	Z	-1.148	-1.148	0	%100
27	M14	X	-1.989	-1.989	0	%100
28	M14	Z	-1.148	-1.148	0	%100
29	M17	X	-2.335	-2.335	0	%100
30	M17	Z	-1.348	-1.348	0	%100
31	M18	X	-2.335	-2.335	0	%100
32	M18	Z	-1.348	-1.348	0	%100
33	M19	X	-.617	-.617	0	%100
34	M19	Z	-.356	-.356	0	%100
35	M20	X	-.617	-.617	0	%100
36	M20	Z	-.356	-.356	0	%100
37	M21	X	-.617	-.617	0	%100
38	M21	Z	-.356	-.356	0	%100
39	M22	X	-.617	-.617	0	%100
40	M22	Z	-.356	-.356	0	%100
41	M25	X	-.746	-.746	0	%100
42	M25	Z	-.431	-.431	0	%100
43	M137	X	-.746	-.746	0	%100
44	M137	Z	-.431	-.431	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[in,%]	End Location[in,%]
45	M140A	X	-.186	-.186	0	%100
46	M140A	Z	-.108	-.108	0	%100
47	M141A	X	-.186	-.186	0	%100
48	M141A	Z	-.108	-.108	0	%100
49	M146	X	-.186	-.186	0	%100
50	M146	Z	-.108	-.108	0	%100
51	M147	X	-.186	-.186	0	%100
52	M147	Z	-.108	-.108	0	%100
53	MP4A	X	-1.94	-1.94	0	%100
54	MP4A	Z	-1.12	-1.12	0	%100
55	MP3A	X	-2.146	-2.146	0	%100
56	MP3A	Z	-1.239	-1.239	0	%100
57	MP2A	X	-1.94	-1.94	0	%100
58	MP2A	Z	-1.12	-1.12	0	%100
59	MP1A	X	-1.94	-1.94	0	%100
60	MP1A	Z	-1.12	-1.12	0	%100
61	MP4C	X	-1.94	-1.94	0	%100
62	MP4C	Z	-1.12	-1.12	0	%100
63	MP3C	X	-2.146	-2.146	0	%100
64	MP3C	Z	-1.239	-1.239	0	%100
65	MP2C	X	-1.94	-1.94	0	%100
66	MP2C	Z	-1.12	-1.12	0	%100
67	MP1C	X	-1.94	-1.94	0	%100
68	MP1C	Z	-1.12	-1.12	0	%100
69	MP4B	X	-1.94	-1.94	0	%100
70	MP4B	Z	-1.12	-1.12	0	%100
71	MP3B	X	-2.146	-2.146	0	%100
72	MP3B	Z	-1.239	-1.239	0	%100
73	MP2B	X	-1.94	-1.94	0	%100
74	MP2B	Z	-1.12	-1.12	0	%100
75	MP1B	X	-1.94	-1.94	0	%100
76	MP1B	Z	-1.12	-1.12	0	%100
77	M65	X	-.537	-.537	0	%100
78	M65	Z	-.31	-.31	0	%100
79	M80	X	-.537	-.537	0	%100
80	M80	Z	-.31	-.31	0	%100
81	M83	X	-2.146	-2.146	0	%100
82	M83	Z	-1.239	-1.239	0	%100
83	M86	X	-.516	-.516	0	%100
84	M86	Z	-.298	-.298	0	%100
85	M87	X	-.516	-.516	0	%100
86	M87	Z	-.298	-.298	0	%100
87	M88	X	-2.063	-2.063	0	%100
88	M88	Z	-1.191	-1.191	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[in,%]	End Location[in,%]
1	M12	X	-1.6	-1.6	0	%100
2	M12	Z	-2.771	-2.771	0	%100
3	M13	X	-1.6	-1.6	0	%100
4	M13	Z	-2.771	-2.771	0	%100
5	M7	X	-1.582	-1.582	0	%100
6	M7	Z	-2.741	-2.741	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-1.582	-1.582	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[in,%]	End Location[in,%]
10	M9	Z	-2.741	-2.741	0	%100
11	M9A	X	-4e-6	-4e-6	0	%100
12	M9A	Z	-6e-6	-6e-6	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	-1.603	-1.603	0	%100
16	M11A	Z	-2.776	-2.776	0	%100
17	M12B	X	-1.598	-1.598	0	%100
18	M12B	Z	-2.767	-2.767	0	%100
19	M10	X	-1.396	-1.396	0	%100
20	M10	Z	-2.418	-2.418	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	-1.396	-1.396	0	%100
24	M12A	Z	-2.418	-2.418	0	%100
25	M13A	X	-1.531	-1.531	0	%100
26	M13A	Z	-2.652	-2.652	0	%100
27	M14	X	-1.531	-1.531	0	%100
28	M14	Z	-2.652	-2.652	0	%100
29	M17	X	-1.348	-1.348	0	%100
30	M17	Z	-2.335	-2.335	0	%100
31	M18	X	-1.348	-1.348	0	%100
32	M18	Z	-2.335	-2.335	0	%100
33	M19	X	-.475	-.475	0	%100
34	M19	Z	-.822	-.822	0	%100
35	M20	X	-.475	-.475	0	%100
36	M20	Z	-.822	-.822	0	%100
37	M21	X	-.475	-.475	0	%100
38	M21	Z	-.822	-.822	0	%100
39	M22	X	-.475	-.475	0	%100
40	M22	Z	-.822	-.822	0	%100
41	M25	X	-.323	-.323	0	%100
42	M25	Z	-.559	-.559	0	%100
43	M137	X	-.323	-.323	0	%100
44	M137	Z	-.559	-.559	0	%100
45	M140A	X	-.323	-.323	0	%100
46	M140A	Z	-.559	-.559	0	%100
47	M141A	X	-.323	-.323	0	%100
48	M141A	Z	-.559	-.559	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	-1.12	-1.12	0	%100
54	MP4A	Z	-1.94	-1.94	0	%100
55	MP3A	X	-1.239	-1.239	0	%100
56	MP3A	Z	-2.146	-2.146	0	%100
57	MP2A	X	-1.12	-1.12	0	%100
58	MP2A	Z	-1.94	-1.94	0	%100
59	MP1A	X	-1.12	-1.12	0	%100
60	MP1A	Z	-1.94	-1.94	0	%100
61	MP4C	X	-1.12	-1.12	0	%100
62	MP4C	Z	-1.94	-1.94	0	%100
63	MP3C	X	-1.239	-1.239	0	%100
64	MP3C	Z	-2.146	-2.146	0	%100
65	MP2C	X	-1.12	-1.12	0	%100
66	MP2C	Z	-1.94	-1.94	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[in,%]	End Location[in,%]
67	MP1C	X	-1.12	-1.12	0	%100
68	MP1C	Z	-1.94	-1.94	0	%100
69	MP4B	X	-1.12	-1.12	0	%100
70	MP4B	Z	-1.94	-1.94	0	%100
71	MP3B	X	-1.239	-1.239	0	%100
72	MP3B	Z	-2.146	-2.146	0	%100
73	MP2B	X	-1.12	-1.12	0	%100
74	MP2B	Z	-1.94	-1.94	0	%100
75	MP1B	X	-1.12	-1.12	0	%100
76	MP1B	Z	-1.94	-1.94	0	%100
77	M65	X	-.929	-.929	0	%100
78	M65	Z	-1.61	-1.61	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	-.929	-.929	0	%100
82	M83	Z	-1.61	-1.61	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	-.893	-.893	0	%100
86	M87	Z	-1.548	-1.548	0	%100
87	M88	X	-.893	-.893	0	%100
88	M88	Z	-1.548	-1.548	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	-1.774	-1.774	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	-1.774	-1.774	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-1.748	-1.748	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.437	-.437	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.437	-.437	0	%100
11	M9A	X	0	0	0	%100
12	M9A	Z	-.442	-.442	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	-.444	-.444	0	%100
15	M11A	X	0	0	0	%100
16	M11A	Z	-.446	-.446	0	%100
17	M12B	X	0	0	0	%100
18	M12B	Z	-.442	-.442	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-1.574	-1.574	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.394	-.394	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	-.394	-.394	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	-1.002	-1.002	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-1.002	-1.002	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	-.891	-.891	0	%100
31	M18	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[in,%]	End Location[in,%]
32	M18	Z	-.891	-.891	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	-.1	-.1	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	-.1	-.1	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	-.1	-.1	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	-.1	-.1	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-.025	-.025	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	-.025	-.025	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	-.1	-.1	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	-.1	-.1	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	-.025	-.025	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	-.025	-.025	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-.635	-.635	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	-.768	-.768	0	%100
57	MP2A	X	0	0	0	%100
58	MP2A	Z	-.635	-.635	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	-.635	-.635	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	-.635	-.635	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	-.768	-.768	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	-.635	-.635	0	%100
67	MP1C	X	0	0	0	%100
68	MP1C	Z	-.635	-.635	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	-.635	-.635	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	-.768	-.768	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	-.635	-.635	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-.635	-.635	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-.768	-.768	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-.192	-.192	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-.192	-.192	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	-.228	-.228	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	-.912	-.912	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	-.228	-.228	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[in,%]	End Location[in,%]
1	M12	X	.665	.665	0	%100
2	M12	Z	-1.152	-1.152	0	%100
3	M13	X	.665	.665	0	%100
4	M13	Z	-1.152	-1.152	0	%100
5	M7	X	.656	.656	0	%100
6	M7	Z	-1.135	-1.135	0	%100
7	M8	X	.656	.656	0	%100
8	M8	Z	-1.135	-1.135	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	.665	.665	0	%100
12	M9A	Z	-1.151	-1.151	0	%100
13	M10A	X	.665	.665	0	%100
14	M10A	Z	-1.152	-1.152	0	%100
15	M11A	X	2e-6	2e-6	0	%100
16	M11A	Z	-3e-6	-3e-6	0	%100
17	M12B	X	2e-6	2e-6	0	%100
18	M12B	Z	-3e-6	-3e-6	0	%100
19	M10	X	.59	.59	0	%100
20	M10	Z	-1.023	-1.023	0	%100
21	M11	X	.59	.59	0	%100
22	M11	Z	-1.023	-1.023	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	.167	.167	0	%100
26	M13A	Z	-.289	-.289	0	%100
27	M14	X	.167	.167	0	%100
28	M14	Z	-.289	-.289	0	%100
29	M17	X	.445	.445	0	%100
30	M17	Z	-.772	-.772	0	%100
31	M18	X	.445	.445	0	%100
32	M18	Z	-.772	-.772	0	%100
33	M19	X	.017	.017	0	%100
34	M19	Z	-.029	-.029	0	%100
35	M20	X	.017	.017	0	%100
36	M20	Z	-.029	-.029	0	%100
37	M21	X	.017	.017	0	%100
38	M21	Z	-.029	-.029	0	%100
39	M22	X	.017	.017	0	%100
40	M22	Z	-.029	-.029	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	.038	.038	0	%100
46	M140A	Z	-.065	-.065	0	%100
47	M141A	X	.038	.038	0	%100
48	M141A	Z	-.065	-.065	0	%100
49	M146	X	.038	.038	0	%100
50	M146	Z	-.065	-.065	0	%100
51	M147	X	.038	.038	0	%100
52	M147	Z	-.065	-.065	0	%100
53	MP4A	X	.317	.317	0	%100
54	MP4A	Z	-.55	-.55	0	%100
55	MP3A	X	.384	.384	0	%100
56	MP3A	Z	-.665	-.665	0	%100
57	MP2A	X	.317	.317	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[in,%]	End Location[in,%]
58	MP2A	Z	-.55	-.55	0	%100
59	MP1A	X	.317	.317	0	%100
60	MP1A	Z	-.55	-.55	0	%100
61	MP4C	X	.317	.317	0	%100
62	MP4C	Z	-.55	-.55	0	%100
63	MP3C	X	.384	.384	0	%100
64	MP3C	Z	-.665	-.665	0	%100
65	MP2C	X	.317	.317	0	%100
66	MP2C	Z	-.55	-.55	0	%100
67	MP1C	X	.317	.317	0	%100
68	MP1C	Z	-.55	-.55	0	%100
69	MP4B	X	.317	.317	0	%100
70	MP4B	Z	-.55	-.55	0	%100
71	MP3B	X	.384	.384	0	%100
72	MP3B	Z	-.665	-.665	0	%100
73	MP2B	X	.317	.317	0	%100
74	MP2B	Z	-.55	-.55	0	%100
75	MP1B	X	.317	.317	0	%100
76	MP1B	Z	-.55	-.55	0	%100
77	M65	X	.288	.288	0	%100
78	M65	Z	-.499	-.499	0	%100
79	M80	X	.288	.288	0	%100
80	M80	Z	-.499	-.499	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	.342	.342	0	%100
84	M86	Z	-.592	-.592	0	%100
85	M87	X	.342	.342	0	%100
86	M87	Z	-.592	-.592	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	0	0	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[in,%]	End Location[in,%]
1	M12	X	.384	.384	0	%100
2	M12	Z	-.222	-.222	0	%100
3	M13	X	.384	.384	0	%100
4	M13	Z	-.222	-.222	0	%100
5	M7	X	.378	.378	0	%100
6	M7	Z	-.219	-.219	0	%100
7	M8	X	1.514	1.514	0	%100
8	M8	Z	-.874	-.874	0	%100
9	M9	X	.378	.378	0	%100
10	M9	Z	-.219	-.219	0	%100
11	M9A	X	1.537	1.537	0	%100
12	M9A	Z	-.887	-.887	0	%100
13	M10A	X	1.537	1.537	0	%100
14	M10A	Z	-.887	-.887	0	%100
15	M11A	X	.382	.382	0	%100
16	M11A	Z	-.221	-.221	0	%100
17	M12B	X	.386	.386	0	%100
18	M12B	Z	-.223	-.223	0	%100
19	M10	X	.341	.341	0	%100
20	M10	Z	-.197	-.197	0	%100
21	M11	X	1.363	1.363	0	%100
22	M11	Z	-.787	-.787	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[in,%]	End Location[in,%]
23	M12A	X	.341	.341	0	%100
24	M12A	Z	-.197	-.197	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	.772	.772	0	%100
30	M17	Z	-.445	-.445	0	%100
31	M18	X	.772	.772	0	%100
32	M18	Z	-.445	-.445	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	.022	.022	0	%100
42	M25	Z	-.013	-.013	0	%100
43	M137	X	.022	.022	0	%100
44	M137	Z	-.013	-.013	0	%100
45	M140A	X	.022	.022	0	%100
46	M140A	Z	-.013	-.013	0	%100
47	M141A	X	.022	.022	0	%100
48	M141A	Z	-.013	-.013	0	%100
49	M146	X	.087	.087	0	%100
50	M146	Z	-.05	-.05	0	%100
51	M147	X	.087	.087	0	%100
52	M147	Z	-.05	-.05	0	%100
53	MP4A	X	.55	.55	0	%100
54	MP4A	Z	-.317	-.317	0	%100
55	MP3A	X	.665	.665	0	%100
56	MP3A	Z	-.384	-.384	0	%100
57	MP2A	X	.55	.55	0	%100
58	MP2A	Z	-.317	-.317	0	%100
59	MP1A	X	.55	.55	0	%100
60	MP1A	Z	-.317	-.317	0	%100
61	MP4C	X	.55	.55	0	%100
62	MP4C	Z	-.317	-.317	0	%100
63	MP3C	X	.665	.665	0	%100
64	MP3C	Z	-.384	-.384	0	%100
65	MP2C	X	.55	.55	0	%100
66	MP2C	Z	-.317	-.317	0	%100
67	MP1C	X	.55	.55	0	%100
68	MP1C	Z	-.317	-.317	0	%100
69	MP4B	X	.55	.55	0	%100
70	MP4B	Z	-.317	-.317	0	%100
71	MP3B	X	.665	.665	0	%100
72	MP3B	Z	-.384	-.384	0	%100
73	MP2B	X	.55	.55	0	%100
74	MP2B	Z	-.317	-.317	0	%100
75	MP1B	X	.55	.55	0	%100
76	MP1B	Z	-.317	-.317	0	%100
77	M65	X	.166	.166	0	%100
78	M65	Z	-.096	-.096	0	%100
79	M80	X	.665	.665	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[in,%]	End Location[in,%]
80	M80	Z	-.384	-.384	0	%100
81	M83	X	.166	.166	0	%100
82	M83	Z	-.096	-.096	0	%100
83	M86	X	.79	.79	0	%100
84	M86	Z	-.456	-.456	0	%100
85	M87	X	.197	.197	0	%100
86	M87	Z	-.114	-.114	0	%100
87	M88	X	.197	.197	0	%100
88	M88	Z	-.114	-.114	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	0	0	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	1.311	1.311	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	1.311	1.311	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	1.333	1.333	0	%100
12	M9A	Z	0	0	0	%100
13	M10A	X	1.331	1.331	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	1.329	1.329	0	%100
16	M11A	Z	0	0	0	%100
17	M12B	X	1.333	1.333	0	%100
18	M12B	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	1.181	1.181	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	1.181	1.181	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	.334	.334	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	.334	.334	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	.891	.891	0	%100
30	M17	Z	0	0	0	%100
31	M18	X	.891	.891	0	%100
32	M18	Z	0	0	0	%100
33	M19	X	.033	.033	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	.033	.033	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	.033	.033	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	.033	.033	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	.075	.075	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	.075	.075	0	%100
44	M137	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[in,%]	End Location[in,%]
45	M140A	X	0	0	0	%100
46	M140A	Z	0	0	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	0	0	0	%100
49	M146	X	.075	.075	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	.075	.075	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	.635	.635	0	%100
54	MP4A	Z	0	0	0	%100
55	MP3A	X	.768	.768	0	%100
56	MP3A	Z	0	0	0	%100
57	MP2A	X	.635	.635	0	%100
58	MP2A	Z	0	0	0	%100
59	MP1A	X	.635	.635	0	%100
60	MP1A	Z	0	0	0	%100
61	MP4C	X	.635	.635	0	%100
62	MP4C	Z	0	0	0	%100
63	MP3C	X	.768	.768	0	%100
64	MP3C	Z	0	0	0	%100
65	MP2C	X	.635	.635	0	%100
66	MP2C	Z	0	0	0	%100
67	MP1C	X	.635	.635	0	%100
68	MP1C	Z	0	0	0	%100
69	MP4B	X	.635	.635	0	%100
70	MP4B	Z	0	0	0	%100
71	MP3B	X	.768	.768	0	%100
72	MP3B	Z	0	0	0	%100
73	MP2B	X	.635	.635	0	%100
74	MP2B	Z	0	0	0	%100
75	MP1B	X	.635	.635	0	%100
76	MP1B	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M80	X	.576	.576	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	.576	.576	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	.684	.684	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	0	0	0	%100
87	M88	X	.684	.684	0	%100
88	M88	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[in,%]	End Location[in,%]
1	M12	X	.384	.384	0	%100
2	M12	Z	.222	.222	0	%100
3	M13	X	.384	.384	0	%100
4	M13	Z	.222	.222	0	%100
5	M7	X	.378	.378	0	%100
6	M7	Z	.219	.219	0	%100
7	M8	X	.378	.378	0	%100
8	M8	Z	.219	.219	0	%100
9	M9	X	1.514	1.514	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[in,%]	End Location[in,%]
10	M9	Z	.874	.874	0	%100
11	M9A	X	.386	.386	0	%100
12	M9A	Z	.223	.223	0	%100
13	M10A	X	.384	.384	0	%100
14	M10A	Z	.222	.222	0	%100
15	M11A	X	1.537	1.537	0	%100
16	M11A	Z	.887	.887	0	%100
17	M12B	X	1.537	1.537	0	%100
18	M12B	Z	.887	.887	0	%100
19	M10	X	.341	.341	0	%100
20	M10	Z	.197	.197	0	%100
21	M11	X	.341	.341	0	%100
22	M11	Z	.197	.197	0	%100
23	M12A	X	1.363	1.363	0	%100
24	M12A	Z	.787	.787	0	%100
25	M13A	X	.868	.868	0	%100
26	M13A	Z	.501	.501	0	%100
27	M14	X	.868	.868	0	%100
28	M14	Z	.501	.501	0	%100
29	M17	X	.772	.772	0	%100
30	M17	Z	.445	.445	0	%100
31	M18	X	.772	.772	0	%100
32	M18	Z	.445	.445	0	%100
33	M19	X	.087	.087	0	%100
34	M19	Z	.05	.05	0	%100
35	M20	X	.087	.087	0	%100
36	M20	Z	.05	.05	0	%100
37	M21	X	.087	.087	0	%100
38	M21	Z	.05	.05	0	%100
39	M22	X	.087	.087	0	%100
40	M22	Z	.05	.05	0	%100
41	M25	X	.087	.087	0	%100
42	M25	Z	.05	.05	0	%100
43	M137	X	.087	.087	0	%100
44	M137	Z	.05	.05	0	%100
45	M140A	X	.022	.022	0	%100
46	M140A	Z	.013	.013	0	%100
47	M141A	X	.022	.022	0	%100
48	M141A	Z	.013	.013	0	%100
49	M146	X	.022	.022	0	%100
50	M146	Z	.013	.013	0	%100
51	M147	X	.022	.022	0	%100
52	M147	Z	.013	.013	0	%100
53	MP4A	X	.55	.55	0	%100
54	MP4A	Z	.317	.317	0	%100
55	MP3A	X	.665	.665	0	%100
56	MP3A	Z	.384	.384	0	%100
57	MP2A	X	.55	.55	0	%100
58	MP2A	Z	.317	.317	0	%100
59	MP1A	X	.55	.55	0	%100
60	MP1A	Z	.317	.317	0	%100
61	MP4C	X	.55	.55	0	%100
62	MP4C	Z	.317	.317	0	%100
63	MP3C	X	.665	.665	0	%100
64	MP3C	Z	.384	.384	0	%100
65	MP2C	X	.55	.55	0	%100
66	MP2C	Z	.317	.317	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[in,%]	End Location[in,%]
67	MP1C	X	.55	.55	0	%100
68	MP1C	Z	.317	.317	0	%100
69	MP4B	X	.55	.55	0	%100
70	MP4B	Z	.317	.317	0	%100
71	MP3B	X	.665	.665	0	%100
72	MP3B	Z	.384	.384	0	%100
73	MP2B	X	.55	.55	0	%100
74	MP2B	Z	.317	.317	0	%100
75	MP1B	X	.55	.55	0	%100
76	MP1B	Z	.317	.317	0	%100
77	M65	X	.166	.166	0	%100
78	M65	Z	.096	.096	0	%100
79	M80	X	.166	.166	0	%100
80	M80	Z	.096	.096	0	%100
81	M83	X	.665	.665	0	%100
82	M83	Z	.384	.384	0	%100
83	M86	X	.197	.197	0	%100
84	M86	Z	.114	.114	0	%100
85	M87	X	.197	.197	0	%100
86	M87	Z	.114	.114	0	%100
87	M88	X	.79	.79	0	%100
88	M88	Z	.456	.456	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[in,%]	End Location[in,%]
1	M12	X	.665	.665	0	%100
2	M12	Z	1.152	1.152	0	%100
3	M13	X	.665	.665	0	%100
4	M13	Z	1.152	1.152	0	%100
5	M7	X	.656	.656	0	%100
6	M7	Z	1.135	1.135	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.656	.656	0	%100
10	M9	Z	1.135	1.135	0	%100
11	M9A	X	2e-6	2e-6	0	%100
12	M9A	Z	3e-6	3e-6	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	.667	.667	0	%100
16	M11A	Z	1.154	1.154	0	%100
17	M12B	X	.665	.665	0	%100
18	M12B	Z	1.151	1.151	0	%100
19	M10	X	.59	.59	0	%100
20	M10	Z	1.023	1.023	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	.59	.59	0	%100
24	M12A	Z	1.023	1.023	0	%100
25	M13A	X	.668	.668	0	%100
26	M13A	Z	1.157	1.157	0	%100
27	M14	X	.668	.668	0	%100
28	M14	Z	1.157	1.157	0	%100
29	M17	X	.445	.445	0	%100
30	M17	Z	.772	.772	0	%100
31	M18	X	.445	.445	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[in,%]	End Location[in,%]
32	M18	Z	.772	.772	0	%100
33	M19	X	.067	.067	0	%100
34	M19	Z	.116	.116	0	%100
35	M20	X	.067	.067	0	%100
36	M20	Z	.116	.116	0	%100
37	M21	X	.067	.067	0	%100
38	M21	Z	.116	.116	0	%100
39	M22	X	.067	.067	0	%100
40	M22	Z	.116	.116	0	%100
41	M25	X	.038	.038	0	%100
42	M25	Z	.065	.065	0	%100
43	M137	X	.038	.038	0	%100
44	M137	Z	.065	.065	0	%100
45	M140A	X	.038	.038	0	%100
46	M140A	Z	.065	.065	0	%100
47	M141A	X	.038	.038	0	%100
48	M141A	Z	.065	.065	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	.317	.317	0	%100
54	MP4A	Z	.55	.55	0	%100
55	MP3A	X	.384	.384	0	%100
56	MP3A	Z	.665	.665	0	%100
57	MP2A	X	.317	.317	0	%100
58	MP2A	Z	.55	.55	0	%100
59	MP1A	X	.317	.317	0	%100
60	MP1A	Z	.55	.55	0	%100
61	MP4C	X	.317	.317	0	%100
62	MP4C	Z	.55	.55	0	%100
63	MP3C	X	.384	.384	0	%100
64	MP3C	Z	.665	.665	0	%100
65	MP2C	X	.317	.317	0	%100
66	MP2C	Z	.55	.55	0	%100
67	MP1C	X	.317	.317	0	%100
68	MP1C	Z	.55	.55	0	%100
69	MP4B	X	.317	.317	0	%100
70	MP4B	Z	.55	.55	0	%100
71	MP3B	X	.384	.384	0	%100
72	MP3B	Z	.665	.665	0	%100
73	MP2B	X	.317	.317	0	%100
74	MP2B	Z	.55	.55	0	%100
75	MP1B	X	.317	.317	0	%100
76	MP1B	Z	.55	.55	0	%100
77	M65	X	.288	.288	0	%100
78	M65	Z	.499	.499	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	.288	.288	0	%100
82	M83	Z	.499	.499	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	.342	.342	0	%100
86	M87	Z	.592	.592	0	%100
87	M88	X	.342	.342	0	%100
88	M88	Z	.592	.592	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	1.774	1.774	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	1.774	1.774	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	1.748	1.748	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.437	.437	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.437	.437	0	%100
11	M9A	X	0	0	0	%100
12	M9A	Z	.442	.442	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	.444	.444	0	%100
15	M11A	X	0	0	0	%100
16	M11A	Z	.446	.446	0	%100
17	M12B	X	0	0	0	%100
18	M12B	Z	.442	.442	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	1.574	1.574	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.394	.394	0	%100
23	M12A	X	0	0	0	%100
24	M12A	Z	.394	.394	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	1.002	1.002	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	1.002	1.002	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	.891	.891	0	%100
31	M18	X	0	0	0	%100
32	M18	Z	.891	.891	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	.1	.1	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	.1	.1	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	.1	.1	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	.1	.1	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.025	.025	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	.025	.025	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	.1	.1	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	.1	.1	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	.025	.025	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	.025	.025	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	.635	.635	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	.768	.768	0	%100
57	MP2A	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[in,%]	End Location[in,%]
58	MP2A	Z	.635	.635	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	.635	.635	0	%100
61	MP4C	X	0	0	0	%100
62	MP4C	Z	.635	.635	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	.768	.768	0	%100
65	MP2C	X	0	0	0	%100
66	MP2C	Z	.635	.635	0	%100
67	MP1C	X	0	0	0	%100
68	MP1C	Z	.635	.635	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	.635	.635	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	.768	.768	0	%100
73	MP2B	X	0	0	0	%100
74	MP2B	Z	.635	.635	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	.635	.635	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	.768	.768	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.192	.192	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	.192	.192	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	.228	.228	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	.912	.912	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	.228	.228	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[in,%]	End Location[in,%]
1	M12	X	-.665	-.665	0	%100
2	M12	Z	1.152	1.152	0	%100
3	M13	X	-.665	-.665	0	%100
4	M13	Z	1.152	1.152	0	%100
5	M7	X	-.656	-.656	0	%100
6	M7	Z	1.135	1.135	0	%100
7	M8	X	-.656	-.656	0	%100
8	M8	Z	1.135	1.135	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M9A	X	-.665	-.665	0	%100
12	M9A	Z	1.151	1.151	0	%100
13	M10A	X	-.665	-.665	0	%100
14	M10A	Z	1.152	1.152	0	%100
15	M11A	X	-2e-6	-2e-6	0	%100
16	M11A	Z	3e-6	3e-6	0	%100
17	M12B	X	-2e-6	-2e-6	0	%100
18	M12B	Z	3e-6	3e-6	0	%100
19	M10	X	-.59	-.59	0	%100
20	M10	Z	1.023	1.023	0	%100
21	M11	X	-.59	-.59	0	%100
22	M11	Z	1.023	1.023	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[in,%]	End Location[in,%]
23	M12A	X	0	0	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	-.167	-.167	0	%100
26	M13A	Z	.289	.289	0	%100
27	M14	X	-.167	-.167	0	%100
28	M14	Z	.289	.289	0	%100
29	M17	X	-.445	-.445	0	%100
30	M17	Z	.772	.772	0	%100
31	M18	X	-.445	-.445	0	%100
32	M18	Z	.772	.772	0	%100
33	M19	X	-.017	-.017	0	%100
34	M19	Z	.029	.029	0	%100
35	M20	X	-.017	-.017	0	%100
36	M20	Z	.029	.029	0	%100
37	M21	X	-.017	-.017	0	%100
38	M21	Z	.029	.029	0	%100
39	M22	X	-.017	-.017	0	%100
40	M22	Z	.029	.029	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	0	0	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	-.038	-.038	0	%100
46	M140A	Z	.065	.065	0	%100
47	M141A	X	-.038	-.038	0	%100
48	M141A	Z	.065	.065	0	%100
49	M146	X	-.038	-.038	0	%100
50	M146	Z	.065	.065	0	%100
51	M147	X	-.038	-.038	0	%100
52	M147	Z	.065	.065	0	%100
53	MP4A	X	-.317	-.317	0	%100
54	MP4A	Z	.55	.55	0	%100
55	MP3A	X	-.384	-.384	0	%100
56	MP3A	Z	.665	.665	0	%100
57	MP2A	X	-.317	-.317	0	%100
58	MP2A	Z	.55	.55	0	%100
59	MP1A	X	-.317	-.317	0	%100
60	MP1A	Z	.55	.55	0	%100
61	MP4C	X	-.317	-.317	0	%100
62	MP4C	Z	.55	.55	0	%100
63	MP3C	X	-.384	-.384	0	%100
64	MP3C	Z	.665	.665	0	%100
65	MP2C	X	-.317	-.317	0	%100
66	MP2C	Z	.55	.55	0	%100
67	MP1C	X	-.317	-.317	0	%100
68	MP1C	Z	.55	.55	0	%100
69	MP4B	X	-.317	-.317	0	%100
70	MP4B	Z	.55	.55	0	%100
71	MP3B	X	-.384	-.384	0	%100
72	MP3B	Z	.665	.665	0	%100
73	MP2B	X	-.317	-.317	0	%100
74	MP2B	Z	.55	.55	0	%100
75	MP1B	X	-.317	-.317	0	%100
76	MP1B	Z	.55	.55	0	%100
77	M65	X	-.288	-.288	0	%100
78	M65	Z	.499	.499	0	%100
79	M80	X	-.288	-.288	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[in,%]	End Location[in,%]
80	M80	Z	.499	.499	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	-.342	-.342	0	%100
84	M86	Z	.592	.592	0	%100
85	M87	X	-.342	-.342	0	%100
86	M87	Z	.592	.592	0	%100
87	M88	X	0	0	0	%100
88	M88	Z	0	0	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[in,%]	End Location[in,%]
1	M12	X	-.384	-.384	0	%100
2	M12	Z	.222	.222	0	%100
3	M13	X	-.384	-.384	0	%100
4	M13	Z	.222	.222	0	%100
5	M7	X	-.378	-.378	0	%100
6	M7	Z	.219	.219	0	%100
7	M8	X	-1.514	-1.514	0	%100
8	M8	Z	.874	.874	0	%100
9	M9	X	-.378	-.378	0	%100
10	M9	Z	.219	.219	0	%100
11	M9A	X	-1.537	-1.537	0	%100
12	M9A	Z	.887	.887	0	%100
13	M10A	X	-1.537	-1.537	0	%100
14	M10A	Z	.887	.887	0	%100
15	M11A	X	-.382	-.382	0	%100
16	M11A	Z	.221	.221	0	%100
17	M12B	X	-.386	-.386	0	%100
18	M12B	Z	.223	.223	0	%100
19	M10	X	-.341	-.341	0	%100
20	M10	Z	.197	.197	0	%100
21	M11	X	-1.363	-1.363	0	%100
22	M11	Z	.787	.787	0	%100
23	M12A	X	-.341	-.341	0	%100
24	M12A	Z	.197	.197	0	%100
25	M13A	X	0	0	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	-.772	-.772	0	%100
30	M17	Z	.445	.445	0	%100
31	M18	X	-.772	-.772	0	%100
32	M18	Z	.445	.445	0	%100
33	M19	X	0	0	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	0	0	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	0	0	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	0	0	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	-.022	-.022	0	%100
42	M25	Z	.013	.013	0	%100
43	M137	X	-.022	-.022	0	%100
44	M137	Z	.013	.013	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[in,%]	End Location[in,%]
45	M140A	X	-.022	-.022	0	%100
46	M140A	Z	.013	.013	0	%100
47	M141A	X	-.022	-.022	0	%100
48	M141A	Z	.013	.013	0	%100
49	M146	X	-.087	-.087	0	%100
50	M146	Z	.05	.05	0	%100
51	M147	X	-.087	-.087	0	%100
52	M147	Z	.05	.05	0	%100
53	MP4A	X	-.55	-.55	0	%100
54	MP4A	Z	.317	.317	0	%100
55	MP3A	X	-.665	-.665	0	%100
56	MP3A	Z	.384	.384	0	%100
57	MP2A	X	-.55	-.55	0	%100
58	MP2A	Z	.317	.317	0	%100
59	MP1A	X	-.55	-.55	0	%100
60	MP1A	Z	.317	.317	0	%100
61	MP4C	X	-.55	-.55	0	%100
62	MP4C	Z	.317	.317	0	%100
63	MP3C	X	-.665	-.665	0	%100
64	MP3C	Z	.384	.384	0	%100
65	MP2C	X	-.55	-.55	0	%100
66	MP2C	Z	.317	.317	0	%100
67	MP1C	X	-.55	-.55	0	%100
68	MP1C	Z	.317	.317	0	%100
69	MP4B	X	-.55	-.55	0	%100
70	MP4B	Z	.317	.317	0	%100
71	MP3B	X	-.665	-.665	0	%100
72	MP3B	Z	.384	.384	0	%100
73	MP2B	X	-.55	-.55	0	%100
74	MP2B	Z	.317	.317	0	%100
75	MP1B	X	-.55	-.55	0	%100
76	MP1B	Z	.317	.317	0	%100
77	M65	X	-.166	-.166	0	%100
78	M65	Z	.096	.096	0	%100
79	M80	X	-.665	-.665	0	%100
80	M80	Z	.384	.384	0	%100
81	M83	X	-.166	-.166	0	%100
82	M83	Z	.096	.096	0	%100
83	M86	X	-.79	-.79	0	%100
84	M86	Z	.456	.456	0	%100
85	M87	X	-.197	-.197	0	%100
86	M87	Z	.114	.114	0	%100
87	M88	X	-.197	-.197	0	%100
88	M88	Z	.114	.114	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[in,%]	End Location[in,%]
1	M12	X	0	0	0	%100
2	M12	Z	0	0	0	%100
3	M13	X	0	0	0	%100
4	M13	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-1.311	-1.311	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-1.311	-1.311	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[in,%]	End Location[in,%]
10	M9	Z	0	0	0	%100
11	M9A	X	-1.333	-1.333	0	%100
12	M9A	Z	0	0	0	%100
13	M10A	X	-1.331	-1.331	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	-1.329	-1.329	0	%100
16	M11A	Z	0	0	0	%100
17	M12B	X	-1.333	-1.333	0	%100
18	M12B	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-1.181	-1.181	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	-1.181	-1.181	0	%100
24	M12A	Z	0	0	0	%100
25	M13A	X	-.334	-.334	0	%100
26	M13A	Z	0	0	0	%100
27	M14	X	-.334	-.334	0	%100
28	M14	Z	0	0	0	%100
29	M17	X	-.891	-.891	0	%100
30	M17	Z	0	0	0	%100
31	M18	X	-.891	-.891	0	%100
32	M18	Z	0	0	0	%100
33	M19	X	-.033	-.033	0	%100
34	M19	Z	0	0	0	%100
35	M20	X	-.033	-.033	0	%100
36	M20	Z	0	0	0	%100
37	M21	X	-.033	-.033	0	%100
38	M21	Z	0	0	0	%100
39	M22	X	-.033	-.033	0	%100
40	M22	Z	0	0	0	%100
41	M25	X	-.075	-.075	0	%100
42	M25	Z	0	0	0	%100
43	M137	X	-.075	-.075	0	%100
44	M137	Z	0	0	0	%100
45	M140A	X	0	0	0	%100
46	M140A	Z	0	0	0	%100
47	M141A	X	0	0	0	%100
48	M141A	Z	0	0	0	%100
49	M146	X	-.075	-.075	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	-.075	-.075	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	-.635	-.635	0	%100
54	MP4A	Z	0	0	0	%100
55	MP3A	X	-.768	-.768	0	%100
56	MP3A	Z	0	0	0	%100
57	MP2A	X	-.635	-.635	0	%100
58	MP2A	Z	0	0	0	%100
59	MP1A	X	-.635	-.635	0	%100
60	MP1A	Z	0	0	0	%100
61	MP4C	X	-.635	-.635	0	%100
62	MP4C	Z	0	0	0	%100
63	MP3C	X	-.768	-.768	0	%100
64	MP3C	Z	0	0	0	%100
65	MP2C	X	-.635	-.635	0	%100
66	MP2C	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[in,%]	End Location[in,%]
67	MP1C	X	-.635	-.635	0	%100
68	MP1C	Z	0	0	0	%100
69	MP4B	X	-.635	-.635	0	%100
70	MP4B	Z	0	0	0	%100
71	MP3B	X	-.768	-.768	0	%100
72	MP3B	Z	0	0	0	%100
73	MP2B	X	-.635	-.635	0	%100
74	MP2B	Z	0	0	0	%100
75	MP1B	X	-.635	-.635	0	%100
76	MP1B	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M80	X	-.576	-.576	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	-.576	-.576	0	%100
82	M83	Z	0	0	0	%100
83	M86	X	-.684	-.684	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	0	0	0	%100
86	M87	Z	0	0	0	%100
87	M88	X	-.684	-.684	0	%100
88	M88	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[in,%]	End Location[in,%]
1	M12	X	-.384	-.384	0	%100
2	M12	Z	-.222	-.222	0	%100
3	M13	X	-.384	-.384	0	%100
4	M13	Z	-.222	-.222	0	%100
5	M7	X	-.378	-.378	0	%100
6	M7	Z	-.219	-.219	0	%100
7	M8	X	-.378	-.378	0	%100
8	M8	Z	-.219	-.219	0	%100
9	M9	X	-1.514	-1.514	0	%100
10	M9	Z	-.874	-.874	0	%100
11	M9A	X	-.386	-.386	0	%100
12	M9A	Z	-.223	-.223	0	%100
13	M10A	X	-.384	-.384	0	%100
14	M10A	Z	-.222	-.222	0	%100
15	M11A	X	-1.537	-1.537	0	%100
16	M11A	Z	-.887	-.887	0	%100
17	M12B	X	-1.537	-1.537	0	%100
18	M12B	Z	-.887	-.887	0	%100
19	M10	X	-.341	-.341	0	%100
20	M10	Z	-.197	-.197	0	%100
21	M11	X	-.341	-.341	0	%100
22	M11	Z	-.197	-.197	0	%100
23	M12A	X	-1.363	-1.363	0	%100
24	M12A	Z	-.787	-.787	0	%100
25	M13A	X	-.868	-.868	0	%100
26	M13A	Z	-.501	-.501	0	%100
27	M14	X	-.868	-.868	0	%100
28	M14	Z	-.501	-.501	0	%100
29	M17	X	-.772	-.772	0	%100
30	M17	Z	-.445	-.445	0	%100
31	M18	X	-.772	-.772	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[in,%]	End Location[in,%]
32	M18	Z	-.445	-.445	0	%100
33	M19	X	-.087	-.087	0	%100
34	M19	Z	-.05	-.05	0	%100
35	M20	X	-.087	-.087	0	%100
36	M20	Z	-.05	-.05	0	%100
37	M21	X	-.087	-.087	0	%100
38	M21	Z	-.05	-.05	0	%100
39	M22	X	-.087	-.087	0	%100
40	M22	Z	-.05	-.05	0	%100
41	M25	X	-.087	-.087	0	%100
42	M25	Z	-.05	-.05	0	%100
43	M137	X	-.087	-.087	0	%100
44	M137	Z	-.05	-.05	0	%100
45	M140A	X	-.022	-.022	0	%100
46	M140A	Z	-.013	-.013	0	%100
47	M141A	X	-.022	-.022	0	%100
48	M141A	Z	-.013	-.013	0	%100
49	M146	X	-.022	-.022	0	%100
50	M146	Z	-.013	-.013	0	%100
51	M147	X	-.022	-.022	0	%100
52	M147	Z	-.013	-.013	0	%100
53	MP4A	X	-.55	-.55	0	%100
54	MP4A	Z	-.317	-.317	0	%100
55	MP3A	X	-.665	-.665	0	%100
56	MP3A	Z	-.384	-.384	0	%100
57	MP2A	X	-.55	-.55	0	%100
58	MP2A	Z	-.317	-.317	0	%100
59	MP1A	X	-.55	-.55	0	%100
60	MP1A	Z	-.317	-.317	0	%100
61	MP4C	X	-.55	-.55	0	%100
62	MP4C	Z	-.317	-.317	0	%100
63	MP3C	X	-.665	-.665	0	%100
64	MP3C	Z	-.384	-.384	0	%100
65	MP2C	X	-.55	-.55	0	%100
66	MP2C	Z	-.317	-.317	0	%100
67	MP1C	X	-.55	-.55	0	%100
68	MP1C	Z	-.317	-.317	0	%100
69	MP4B	X	-.55	-.55	0	%100
70	MP4B	Z	-.317	-.317	0	%100
71	MP3B	X	-.665	-.665	0	%100
72	MP3B	Z	-.384	-.384	0	%100
73	MP2B	X	-.55	-.55	0	%100
74	MP2B	Z	-.317	-.317	0	%100
75	MP1B	X	-.55	-.55	0	%100
76	MP1B	Z	-.317	-.317	0	%100
77	M65	X	-.166	-.166	0	%100
78	M65	Z	-.096	-.096	0	%100
79	M80	X	-.166	-.166	0	%100
80	M80	Z	-.096	-.096	0	%100
81	M83	X	-.665	-.665	0	%100
82	M83	Z	-.384	-.384	0	%100
83	M86	X	-.197	-.197	0	%100
84	M86	Z	-.114	-.114	0	%100
85	M87	X	-.197	-.197	0	%100
86	M87	Z	-.114	-.114	0	%100
87	M88	X	-.79	-.79	0	%100
88	M88	Z	-.456	-.456	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[in,%]	End Location[in,%]
1	M12	X	-.665	-.665	0	%100
2	M12	Z	-1.152	-1.152	0	%100
3	M13	X	-.665	-.665	0	%100
4	M13	Z	-1.152	-1.152	0	%100
5	M7	X	-.656	-.656	0	%100
6	M7	Z	-1.135	-1.135	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.656	-.656	0	%100
10	M9	Z	-1.135	-1.135	0	%100
11	M9A	X	-2e-6	-2e-6	0	%100
12	M9A	Z	-3e-6	-3e-6	0	%100
13	M10A	X	0	0	0	%100
14	M10A	Z	0	0	0	%100
15	M11A	X	-.667	-.667	0	%100
16	M11A	Z	-1.154	-1.154	0	%100
17	M12B	X	-.665	-.665	0	%100
18	M12B	Z	-1.151	-1.151	0	%100
19	M10	X	-.59	-.59	0	%100
20	M10	Z	-1.023	-1.023	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12A	X	-.59	-.59	0	%100
24	M12A	Z	-1.023	-1.023	0	%100
25	M13A	X	-.668	-.668	0	%100
26	M13A	Z	-1.157	-1.157	0	%100
27	M14	X	-.668	-.668	0	%100
28	M14	Z	-1.157	-1.157	0	%100
29	M17	X	-.445	-.445	0	%100
30	M17	Z	-.772	-.772	0	%100
31	M18	X	-.445	-.445	0	%100
32	M18	Z	-.772	-.772	0	%100
33	M19	X	-.067	-.067	0	%100
34	M19	Z	-.116	-.116	0	%100
35	M20	X	-.067	-.067	0	%100
36	M20	Z	-.116	-.116	0	%100
37	M21	X	-.067	-.067	0	%100
38	M21	Z	-.116	-.116	0	%100
39	M22	X	-.067	-.067	0	%100
40	M22	Z	-.116	-.116	0	%100
41	M25	X	-.038	-.038	0	%100
42	M25	Z	-.065	-.065	0	%100
43	M137	X	-.038	-.038	0	%100
44	M137	Z	-.065	-.065	0	%100
45	M140A	X	-.038	-.038	0	%100
46	M140A	Z	-.065	-.065	0	%100
47	M141A	X	-.038	-.038	0	%100
48	M141A	Z	-.065	-.065	0	%100
49	M146	X	0	0	0	%100
50	M146	Z	0	0	0	%100
51	M147	X	0	0	0	%100
52	M147	Z	0	0	0	%100
53	MP4A	X	-.317	-.317	0	%100
54	MP4A	Z	-.55	-.55	0	%100
55	MP3A	X	-.384	-.384	0	%100
56	MP3A	Z	-.665	-.665	0	%100
57	MP2A	X	-.317	-.317	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[in,%]	End Location[in,%]
58	MP2A	Z	-.55	-.55	0	%100
59	MP1A	X	-.317	-.317	0	%100
60	MP1A	Z	-.55	-.55	0	%100
61	MP4C	X	-.317	-.317	0	%100
62	MP4C	Z	-.55	-.55	0	%100
63	MP3C	X	-.384	-.384	0	%100
64	MP3C	Z	-.665	-.665	0	%100
65	MP2C	X	-.317	-.317	0	%100
66	MP2C	Z	-.55	-.55	0	%100
67	MP1C	X	-.317	-.317	0	%100
68	MP1C	Z	-.55	-.55	0	%100
69	MP4B	X	-.317	-.317	0	%100
70	MP4B	Z	-.55	-.55	0	%100
71	MP3B	X	-.384	-.384	0	%100
72	MP3B	Z	-.665	-.665	0	%100
73	MP2B	X	-.317	-.317	0	%100
74	MP2B	Z	-.55	-.55	0	%100
75	MP1B	X	-.317	-.317	0	%100
76	MP1B	Z	-.55	-.55	0	%100
77	M65	X	-.288	-.288	0	%100
78	M65	Z	-.499	-.499	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M83	X	-.288	-.288	0	%100
82	M83	Z	-.499	-.499	0	%100
83	M86	X	0	0	0	%100
84	M86	Z	0	0	0	%100
85	M87	X	-.342	-.342	0	%100
86	M87	Z	-.592	-.592	0	%100
87	M88	X	-.342	-.342	0	%100
88	M88	Z	-.592	-.592	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M12	Y	-.122	-2.187	0	12.8
2	M12	Y	-2.187	-2.552	12.8	25.6
3	M12	Y	-2.552	-1.658	25.6	38.4
4	M12	Y	-1.658	-1.25	38.4	51.2
5	M12	Y	-1.25	-.272	51.2	64
6	M8	Y	-.933	-1.34	0	12.092
7	M8	Y	-1.34	-2.671	12.092	24.183
8	M8	Y	-2.671	-3.653	24.183	36.275
9	M8	Y	-3.653	-2.973	36.275	48.367
10	M8	Y	-2.973	-1.906	48.367	60.459
11	M12B	Y	-2.006	-1.927	6.405	17.934
12	M12B	Y	-1.927	-2.169	17.934	29.462
13	M12B	Y	-2.169	-3.325	29.462	40.991
14	M12B	Y	-3.325	-2.692	40.991	52.52
15	M12B	Y	-2.692	-.104	52.52	64.049
16	M11	Y	-.412	-3.645	0	7.411
17	M11	Y	-3.645	-7.385	7.411	14.823
18	M11	Y	-7.385	-9.217	14.823	22.234
19	M11	Y	-9.217	-6.417	22.234	29.645
20	M11	Y	-6.417	-.81	29.645	37.056
21	M13A	Y	-.727	-1.82	0	2.024
22	M13A	Y	-1.82	-2.523	2.024	4.047

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
23	M13A	Y	-2.523	-3.67	4.047	6.071
24	M13A	Y	-3.67	-4.967	6.071	8.094
25	M13A	Y	-4.967	-5.58	8.094	10.118
26	M14	Y	-6.462	-4.204	0	2.024
27	M14	Y	-4.204	-2.722	2.024	4.047
28	M14	Y	-2.722	-1.679	4.047	6.071
29	M14	Y	-1.679	-1.174	6.071	8.094
30	M14	Y	-1.174	-1.546	8.094	10.118
31	M15	Y	-6.478	-4.204	0	2
32	M16	Y	-10.93	-4.204	0	2
33	M42	Y	-.784	-.784	0	4.5
34	M13	Y	-1.719	-2.343	0	21.333
35	M13	Y	-2.343	-2.333	21.333	42.667
36	M13	Y	-2.333	-1.689	42.667	64
37	M9	Y	-3.128	-4.151	0	18.138
38	M9	Y	-4.151	-3.49	18.138	36.275
39	M9	Y	-3.49	-1.145	36.275	54.413
40	M9A	Y	-.902	-1.892	0	17.08
41	M9A	Y	-1.892	-2.579	17.08	34.159
42	M9A	Y	-2.579	-2.961	34.159	51.239
43	M12A	Y	-1.95	-8.05	0	9.264
44	M12A	Y	-8.05	-10.347	9.264	18.528
45	M12A	Y	-10.347	-6.613	18.528	27.792
46	M12A	Y	-6.613	-.742	27.792	37.056
47	M7	Y	-4.519	-3.54	12.092	33.252
48	M7	Y	-3.54	-2.561	33.252	54.413
49	M10A	Y	-3.669	-1.601	0	21.333
50	M10A	Y	-1.601	-1.415	21.333	42.667
51	M10A	Y	-1.415	-3.109	42.667	64
52	M11A	Y	-.57	-2.264	0	16.012
53	M11A	Y	-2.264	-2.873	16.012	32.024
54	M11A	Y	-2.873	-2.815	32.024	48.037
55	M11A	Y	-2.815	-3.176	48.037	64.049
56	M10	Y	-4.764	-6.407	0	12.352
57	M10	Y	-6.407	-6.602	12.352	24.704
58	M10	Y	-6.602	-5.349	24.704	37.056

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M12	Y	-.237	-4.26	0	12.8
2	M12	Y	-4.26	-4.97	12.8	25.6
3	M12	Y	-4.97	-3.23	25.6	38.4
4	M12	Y	-3.23	-2.434	38.4	51.2
5	M12	Y	-2.434	-.53	51.2	64
6	M8	Y	-1.817	-2.611	0	12.092
7	M8	Y	-2.611	-5.203	12.092	24.183
8	M8	Y	-5.203	-7.115	24.183	36.275
9	M8	Y	-7.115	-5.791	36.275	48.367
10	M8	Y	-5.791	-3.712	48.367	60.459
11	M12B	Y	-3.907	-3.753	6.405	17.934
12	M12B	Y	-3.753	-4.224	17.934	29.462
13	M12B	Y	-4.224	-6.475	29.462	40.991
14	M12B	Y	-6.475	-5.243	40.991	52.52
15	M12B	Y	-5.243	-.203	52.52	64.049
16	M11	Y	-.803	-7.099	0	7.411
17	M11	Y	-7.099	-14.385	7.411	14.823

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M11	Y	-14.385	-17.952	14.823	22.234
19	M11	Y	-17.952	-12.499	22.234	29.645
20	M11	Y	-12.499	-1.577	29.645	37.056
21	M13A	Y	-1.415	-3.545	0	2.024
22	M13A	Y	-3.545	-4.915	2.024	4.047
23	M13A	Y	-4.915	-7.148	4.047	6.071
24	M13A	Y	-7.148	-9.674	6.071	8.094
25	M13A	Y	-9.674	-10.869	8.094	10.118
26	M14	Y	-12.586	-8.189	0	2.024
27	M14	Y	-8.189	-5.302	2.024	4.047
28	M14	Y	-5.302	-3.269	4.047	6.071
29	M14	Y	-3.269	-2.287	6.071	8.094
30	M14	Y	-2.287	-3.011	8.094	10.118
31	M15	Y	-12.618	-8.189	0	2
32	M16	Y	-21.288	-8.189	0	2
33	M42	Y	-1.526	-1.526	0	4.5
34	M13	Y	-3.347	-4.563	0	21.333
35	M13	Y	-4.563	-4.544	21.333	42.667
36	M13	Y	-4.544	-3.289	42.667	64
37	M9	Y	-6.093	-8.085	0	18.138
38	M9	Y	-8.085	-6.797	18.138	36.275
39	M9	Y	-6.797	-2.23	36.275	54.413
40	M9A	Y	-1.756	-3.686	0	17.08
41	M9A	Y	-3.686	-5.022	17.08	34.159
42	M9A	Y	-5.022	-5.767	34.159	51.239
43	M12A	Y	-3.798	-15.679	0	9.264
44	M12A	Y	-15.679	-20.154	9.264	18.528
45	M12A	Y	-20.154	-12.881	18.528	27.792
46	M12A	Y	-12.881	-1.446	27.792	37.056
47	M7	Y	-8.802	-6.895	12.092	33.252
48	M7	Y	-6.895	-4.988	33.252	54.413
49	M10A	Y	-7.146	-3.119	0	21.333
50	M10A	Y	-3.119	-2.756	21.333	42.667
51	M10A	Y	-2.756	-6.056	42.667	64
52	M11A	Y	-1.11	-4.41	0	16.012
53	M11A	Y	-4.41	-5.596	16.012	32.024
54	M11A	Y	-5.596	-5.483	32.024	48.037
55	M11A	Y	-5.483	-6.185	48.037	64.049
56	M10	Y	-9.28	-12.48	0	12.352
57	M10	Y	-12.48	-12.859	12.352	24.704
58	M10	Y	-12.859	-10.418	24.704	37.056

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M12	Y	-.005	-.088	0	12.8
2	M12	Y	-.088	-.103	12.8	25.6
3	M12	Y	-.103	-.067	25.6	38.4
4	M12	Y	-.067	-.05	38.4	51.2
5	M12	Y	-.05	-.011	51.2	64
6	M8	Y	-.038	-.054	0	12.092
7	M8	Y	-.054	-.108	12.092	24.183
8	M8	Y	-.108	-.148	24.183	36.275
9	M8	Y	-.148	-.12	36.275	48.367
10	M8	Y	-.12	-.077	48.367	60.459
11	M12B	Y	-.081	-.078	6.405	17.934
12	M12B	Y	-.078	-.088	17.934	29.462

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
13	M12B	Y	-.088	-.134	29.462	40.991
14	M12B	Y	-.134	-.109	40.991	52.52
15	M12B	Y	-.109	-.004	52.52	64.049
16	M11	Y	-.017	-.147	0	7.411
17	M11	Y	-.147	-.298	7.411	14.823
18	M11	Y	-.298	-.372	14.823	22.234
19	M11	Y	-.372	-.259	22.234	29.645
20	M11	Y	-.259	-.033	29.645	37.056
21	M13A	Y	-.029	-.073	0	2.024
22	M13A	Y	-.073	-.102	2.024	4.047
23	M13A	Y	-.102	-.148	4.047	6.071
24	M13A	Y	-.148	-.201	6.071	8.094
25	M13A	Y	-.201	-.225	8.094	10.118
26	M14	Y	-.261	-.17	0	2.024
27	M14	Y	-.17	-.11	2.024	4.047
28	M14	Y	-.11	-.068	4.047	6.071
29	M14	Y	-.068	-.047	6.071	8.094
30	M14	Y	-.047	-.062	8.094	10.118
31	M15	Y	-.262	-.17	0	2
32	M16	Y	-.441	-.17	0	2
33	M42	Y	-.032	-.032	0	4.5
34	M13	Y	-.069	-.095	0	21.333
35	M13	Y	-.095	-.094	21.333	42.667
36	M13	Y	-.094	-.068	42.667	64
37	M9	Y	-.126	-.168	0	18.138
38	M9	Y	-.168	-.141	18.138	36.275
39	M9	Y	-.141	-.046	36.275	54.413
40	M9A	Y	-.036	-.076	0	17.08
41	M9A	Y	-.076	-.104	17.08	34.159
42	M9A	Y	-.104	-.12	34.159	51.239
43	M12A	Y	-.079	-.325	0	9.264
44	M12A	Y	-.325	-.418	9.264	18.528
45	M12A	Y	-.418	-.267	18.528	27.792
46	M12A	Y	-.267	-.03	27.792	37.056
47	M7	Y	-.183	-.143	12.092	33.252
48	M7	Y	-.143	-.103	33.252	54.413
49	M10A	Y	-.148	-.065	0	21.333
50	M10A	Y	-.065	-.057	21.333	42.667
51	M10A	Y	-.057	-.126	42.667	64
52	M11A	Y	-.023	-.091	0	16.012
53	M11A	Y	-.091	-.116	16.012	32.024
54	M11A	Y	-.116	-.114	32.024	48.037
55	M11A	Y	-.114	-.128	48.037	64.049
56	M10	Y	-.192	-.259	0	12.352
57	M10	Y	-.259	-.267	12.352	24.704
58	M10	Y	-.267	-.216	24.704	37.056

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M12	Z	-.012	-.22	0	12.8
2	M12	Z	-.22	-.257	12.8	25.6
3	M12	Z	-.257	-.167	25.6	38.4
4	M12	Z	-.167	-.126	38.4	51.2
5	M12	Z	-.126	-.027	51.2	64
6	M8	Z	-.094	-.135	0	12.092
7	M8	Z	-.135	-.269	12.092	24.183

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
8	M8	Z	-.269	-.368	24.183	36.275
9	M8	Z	-.368	-.3	36.275	48.367
10	M8	Z	-.3	-.192	48.367	60.459
11	M12B	Z	-.202	-.194	6.405	17.934
12	M12B	Z	-.194	-.219	17.934	29.462
13	M12B	Z	-.219	-.335	29.462	40.991
14	M12B	Z	-.335	-.271	40.991	52.52
15	M12B	Z	-.271	-.01	52.52	64.049
16	M11	Z	-.042	-.367	0	7.411
17	M11	Z	-.367	-.744	7.411	14.823
18	M11	Z	-.744	-.929	14.823	22.234
19	M11	Z	-.929	-.647	22.234	29.645
20	M11	Z	-.647	-.082	29.645	37.056
21	M13A	Z	-.073	-.183	0	2.024
22	M13A	Z	-.183	-.254	2.024	4.047
23	M13A	Z	-.254	-.37	4.047	6.071
24	M13A	Z	-.37	-.5	6.071	8.094
25	M13A	Z	-.5	-.562	8.094	10.118
26	M14	Z	-.651	-.424	0	2.024
27	M14	Z	-.424	-.274	2.024	4.047
28	M14	Z	-.274	-.169	4.047	6.071
29	M14	Z	-.169	-.118	6.071	8.094
30	M14	Z	-.118	-.156	8.094	10.118
31	M15	Z	-.653	-.424	0	2
32	M16	Z	-1.101	-.424	0	2
33	M42	Z	-.079	-.079	0	4.5
34	M13	Z	-.173	-.236	0	21.333
35	M13	Z	-.236	-.235	21.333	42.667
36	M13	Z	-.235	-.17	42.667	64
37	M9	Z	-.315	-.418	0	18.138
38	M9	Z	-.418	-.352	18.138	36.275
39	M9	Z	-.352	-.115	36.275	54.413
40	M9A	Z	-.091	-.191	0	17.08
41	M9A	Z	-.191	-.26	17.08	34.159
42	M9A	Z	-.26	-.298	34.159	51.239
43	M12A	Z	-.196	-.811	0	9.264
44	M12A	Z	-.811	-1.043	9.264	18.528
45	M12A	Z	-1.043	-.666	18.528	27.792
46	M12A	Z	-.666	-.075	27.792	37.056
47	M7	Z	-.455	-.357	12.092	33.252
48	M7	Z	-.357	-.258	33.252	54.413
49	M10A	Z	-.37	-.161	0	21.333
50	M10A	Z	-.161	-.143	21.333	42.667
51	M10A	Z	-.143	-.313	42.667	64
52	M11A	Z	-.057	-.228	0	16.012
53	M11A	Z	-.228	-.289	16.012	32.024
54	M11A	Z	-.289	-.284	32.024	48.037
55	M11A	Z	-.284	-.32	48.037	64.049
56	M10	Z	-.48	-.646	0	12.352
57	M10	Z	-.646	-.665	12.352	24.704
58	M10	Z	-.665	-.539	24.704	37.056

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M12	X	.012	.22	0	12.8
2	M12	X	.22	.257	12.8	25.6

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
3	M12	X	.257	.167	25.6	38.4
4	M12	X	.167	.126	38.4	51.2
5	M12	X	.126	.027	51.2	64
6	M8	X	.094	.135	0	12.092
7	M8	X	.135	.269	12.092	24.183
8	M8	X	.269	.368	24.183	36.275
9	M8	X	.368	.3	36.275	48.367
10	M8	X	.3	.192	48.367	60.459
11	M12B	X	.202	.194	6.405	17.934
12	M12B	X	.194	.219	17.934	29.462
13	M12B	X	.219	.335	29.462	40.991
14	M12B	X	.335	.271	40.991	52.52
15	M12B	X	.271	.01	52.52	64.049
16	M11	X	.042	.367	0	7.411
17	M11	X	.367	.744	7.411	14.823
18	M11	X	.744	.929	14.823	22.234
19	M11	X	.929	.647	22.234	29.645
20	M11	X	.647	.082	29.645	37.056
21	M13A	X	.073	.183	0	2.024
22	M13A	X	.183	.254	2.024	4.047
23	M13A	X	.254	.37	4.047	6.071
24	M13A	X	.37	.5	6.071	8.094
25	M13A	X	.5	.562	8.094	10.118
26	M14	X	.651	.424	0	2.024
27	M14	X	.424	.274	2.024	4.047
28	M14	X	.274	.169	4.047	6.071
29	M14	X	.169	.118	6.071	8.094
30	M14	X	.118	.156	8.094	10.118
31	M15	X	.653	.424	0	2
32	M16	X	1.101	.424	0	2
33	M42	X	.079	.079	0	4.5
34	M13	X	.173	.236	0	21.333
35	M13	X	.236	.235	21.333	42.667
36	M13	X	.235	.17	42.667	64
37	M9	X	.315	.418	0	18.138
38	M9	X	.418	.352	18.138	36.275
39	M9	X	.352	.115	36.275	54.413
40	M9A	X	.091	.191	0	17.08
41	M9A	X	.191	.26	17.08	34.159
42	M9A	X	.26	.298	34.159	51.239
43	M12A	X	.196	.811	0	9.264
44	M12A	X	.811	1.043	9.264	18.528
45	M12A	X	1.043	.666	18.528	27.792
46	M12A	X	.666	.075	27.792	37.056
47	M7	X	.455	.357	12.092	33.252
48	M7	X	.357	.258	33.252	54.413
49	M10A	X	.37	.161	0	21.333
50	M10A	X	.161	.143	21.333	42.667
51	M10A	X	.143	.313	42.667	64
52	M11A	X	.057	.228	0	16.012
53	M11A	X	.228	.289	16.012	32.024
54	M11A	X	.289	.284	32.024	48.037
55	M11A	X	.284	.32	48.037	64.049
56	M10	X	.48	.646	0	12.352
57	M10	X	.646	.665	12.352	24.704
58	M10	X	.665	.539	24.704	37.056

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N53	N50	N16	N15	Y	Two Way	-.005
2	N233A	N234A	N18	N17	Y	Two Way	-.005
3	N51	N52	N22A	N21	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N53	N50	N16	N15	Y	Two Way	-.01
2	N233A	N234A	N18	N17	Y	Two Way	-.01
3	N51	N52	N22A	N21	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N53	N50	N16	N15	Y	Two Way	-.00021
2	N233A	N234A	N18	N17	Y	Two Way	-.00021
3	N51	N52	N22A	N21	Y	Two Way	-.00021

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N53	N50	N16	N15	Z	Two Way	-.000524
2	N233A	N234A	N18	N17	Z	Two Way	-.000524
3	N51	N52	N22A	N21	Z	Two Way	-.000524

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N53	N50	N16	N15	X	Two Way	.000524
2	N233A	N234A	N18	N17	X	Two Way	.000524
3	N51	N52	N22A	N21	X	Two Way	.000524

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	N20A	max	3.155	12	222.965	7	1241.268	7	0	75	0	75	0	75
2		min	-3.155	2	-6411.675	13	-1226.286	1	0	1	0	1	0	1
3	N20	max	2273.027	12	4692.599	14	884.524	12	0	75	0	75	0	75
4		min	-2231.133	6	-825.081	8	-901.014	6	0	1	0	1	0	1
5	N21A	max	2054.448	8	4398.773	24	820.972	1	0	75	0	75	0	75
6		min	-2099.21	2	-835.127	6	-828.867	7	0	1	0	1	0	1
7	N23	max	309.097	12	4285.932	23	2234.608	2	0	75	0	75	0	75
8		min	-340.269	6	-877.985	5	-2258.507	8	0	1	0	1	0	1
9	N24	max	2004.861	10	5239.742	19	1907.511	11	0	75	0	75	0	75
10		min	-1976.394	4	-460.91	1	-1883.255	5	0	1	0	1	0	1
11	N26	max	1964.159	10	5111.198	18	1577.324	4	0	75	0	75	0	75
12		min	-1975.461	4	-618.187	12	-1524.832	10	0	1	0	1	0	1
13	N27	max	601.693	8	4803.814	15	2324.843	12	0	75	0	75	0	75
14		min	-571.423	2	-672.702	9	-2358.206	6	0	1	0	1	0	1
15	N28	max	1114.79	5	-9.018	11	643.624	5	0	75	0	75	0	75
16		min	-1128.328	11	-7013.566	17	-651.441	11	0	1	0	1	0	1
17	N19	max	1279.67	3	-47.191	3	738.439	9	0	75	0	75	0	75
18		min	-1279.014	9	-6649.718	21	-738.818	3	0	1	0	1	0	1
19	Totals:	max	5205.816	10	7076.261	23	5255.114	1						
20		min	-5205.816	4	2162.018	68	-5255.114	7						

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

	Member	Shape	Code Check	Loc[...	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M12	C5X9	.380	60.6...	5	.252	10	z	12	34351.6...	85536	1.909	11.853	2...	H1-1b
2	M13	C5X9	.343	3.333	9	.214	0	z	4	34351.6...	85536	1.909	11.853	2...	H1-1b
3	M7	C5X9	.287	34.6...	1	.116	34.008	y	3	37894.9...	85536	1.909	11.853	1...	H1-1b
4	M8	C5X9	.314	25.8...	9	.126	26.451	y	19	37894.9...	85536	1.909	11.853	1...	H1-1b
5	M9	C5X9	.302	34.6...	5	.122	34.008	y	19	37895.0...	85536	1.909	11.853	1...	H1-1b
6	M9A	C5X9	.449	60.7...	6	.244	10.008	z	8	34303.8...	85536	1.909	11.853	4...	H1-1b
7	M10A	C5X9	.427	3.333	5	.177	26.667	y	4	34351.6...	85536	1.909	11.853	2...	H1-1b
8	M11A	C5X9	.428	60.7...	2	.240	10.008	z	4	34303.8...	85536	1.909	11.853	4...	H1-1b
9	M12B	C5X9	.398	3.336	1	.177	26.687	y	12	34303.8...	85536	1.909	11.853	2.6	H1-1b
10	M10	C5X9	.077	37.0...	4	.009	18.528	z	10	62997.4...	85536	1.909	11.853	2...	H1-1b
11	M11	C5X9	.125	0	19	.053	3.088	z	19	62997.4...	85536	1.909	11.853	2...	H1-1b
12	M12A	C5X9	.082	37.0...	8	.009	18.528	z	2	62997.4...	85536	1.909	11.853	2...	H1-1b
13	M13A	C5X9	.203	0	7	.078	3.583	z	6	83607.7...	85536	1.909	11.853	1...	H1-1b
14	M14	C5X9	.142	10.1...	12	.050	6.535	z	12	83607.7...	85536	1.909	11.853	1...	H1-1b
15	M17	L2x2x4	.172	26.25	10	.008	26.25	y	10	6161.249	30585.6	.691	1.543	2...	H2-1
16	M18	L2x2x4	.091	26.25	5	.004	26.25	y	12	6161.249	30585.6	.691	1.521	2...	H2-1
17	M19	SR 0.5	.010	6.5	13	.016	0		6	3551.085	6350.4	.052	.052	1...	H1-1b
18	M20	SR 0.5	.010	6.5	24	.024	13		11	3551.085	6350.4	.052	.052	1...	H1-1b
19	M21	SR 0.5	.010	6.5	24	.037	13		11	3551.085	6350.4	.052	.052	1...	H1-1b
20	M22	SR 0.5	.010	6.5	24	.042	0		11	3551.085	6350.4	.052	.052	1...	H1-1b
21	M25	PL3/8X10	.026	0	2	.017	0	y	8	79166.8...	121500	.949	25.313	2...	H1-1b
22	M137	PL3/8X10	.019	9.765	8	.008	0	y	8	79166.8...	121500	.949	25.313	2...	H1-1b
23	M140A	PL3/8X10	.024	9.765	4	.015	0	y	4	79166.8...	121500	.949	25.313	2...	H1-1b
24	M141A	PL3/8X10	.019	9.765	4	.007	0	y	4	79166.8...	121500	.949	25.313	2...	H1-1b
25	M146	PL3/8X10	.026	0	6	.016	0	y	12	79166.8...	121500	.949	25.313	2...	H1-1b
26	M147	PL3/8X10	.020	9.765	12	.008	0	y	12	79166.8...	121500	.949	25.313	2...	H1-1b
27	MP4A	PIPE 2.0	.335	49.9...	5	.071	51		10	13511.2...	32130	1.872	1.872	2...	H1-1b
28	MP3A	PIPE 2.5	.255	49.9...	4	.049	49.938		6	28077.3...	50715	3.596	3.596	3...	H1-1b
29	MP2A	PIPE 2.0	.278	49.9...	9	.062	23.375		8	13511.2...	32130	1.872	1.872	3...	H1-1b
30	MP1A	PIPE 2.0	.329	49.9...	9	.071	51		4	13511.2...	32130	1.872	1.872	2...	H1-1b
31	MP4C	PIPE 2.0	.333	49.9...	1	.071	51		6	13511.2...	32130	1.872	1.872	2...	H1-1b
32	MP3C	PIPE 2.5	.253	49.9...	12	.053	49.938		2	28077.3...	50715	3.596	3.596	3...	H1-1b
33	MP2C	PIPE 2.0	.275	49.9...	5	.062	23.375		4	13511.2...	32130	1.872	1.872	2...	H1-1b
34	MP1C	PIPE 2.0	.308	49.9...	5	.071	51		12	13511.2...	32130	1.872	1.872	2...	H1-1b
35	MP4B	PIPE 2.0	.317	49.9...	9	.071	51		2	13511.2...	32130	1.872	1.872	2...	H1-1b
36	MP3B	PIPE 2.5	.242	49.9...	8	.052	49.938		10	28077.3...	50715	3.596	3.596	2...	H1-1b
37	MP2B	PIPE 2.0	.274	49.9...	1	.058	49.938		4	13511.2...	32130	1.872	1.872	4...	H1-1b
38	MP1B	PIPE 2.0	.304	49.9...	1	.071	51		8	13511.2...	32130	1.872	1.872	2...	H1-1b
39	M65	PIPE 2.5	.151	48.75	6	.050	76.25		5	22373.4...	50715	3.596	3.596	3...	H1-1b
40	M80	PIPE 2.5	.153	48.75	2	.049	76.25		1	22373.4...	50715	3.596	3.596	3...	H1-1b
41	M83	PIPE 2.5	.146	48.75	10	.048	76.25		8	22373.4...	50715	3.596	3.596	3...	H1-1b
42	M86	L3X3X4	.156	18.6...	7	.035	.194	y	12	44229.4...	46656	1.688	3.756	1...	H2-1
43	M87	L3X3X4	.156	18.6...	11	.035	0	y	4	44229.4...	46656	1.688	3.756	1...	H2-1
44	M88	L3X3X4	.168	18.6...	3	.036	0	y	2	44229.4...	46656	1.688	3.756	1...	H2-1

VzW SMART Tool© Vendor

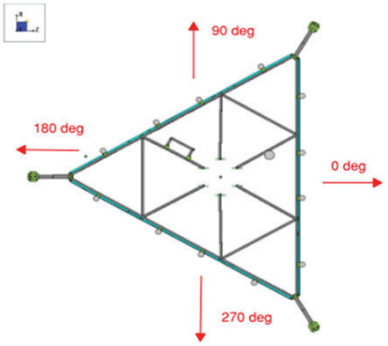
Client:	Verizon Wireless	Date:	6/8/2022
Site Name:	Kent S CT		
PSLC #:	467227		
Fuze ID #:	16271957	Page:	1

Version 1.0

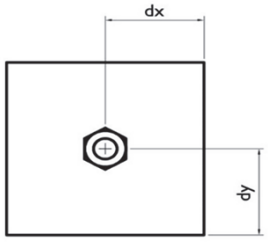
I. Mount-to-Tower Connection Check

Custom Orientation Required	Yes

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N21A	180
N20A	180
N20	180
N27	60
N28	60
N26	60
N24	300
N19	300
N23	300



Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	1
d_x (in) *(Delta X of typ. bolt config. sketch)* :	2
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	2
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	0.0
Required Shear Strength / bolt (kips):	7.0
Tensile Capacity / bolt (kips):	13.3
Shear Capacity / bolt (kips):	8.0
Bolt Overall Utilization:	**87.6%**



NO MOMENT RESISTANCE

Tower Connection Baseplate Checks	No

Exhibit F

Power Density/RF Emissions Report

Site Name: ***KENT S 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	582	2327	160	0.0033	0.5007	0.65%
VZW CDMA	877.26	2	313	627	160	0.0009	0.5848	0.15%
VZW Cellular	874	4	582	2327	160	0.0033	0.5827	0.56%
VZW PCS	1975	4	2798	11192	160	0.0157	1.0000	1.57%
VZW AWS	2120	4	3139	12557	160	0.0176	1.0000	1.76%
VZW CBAND	3730.08	2	19770	39539	160	0.0555	1.0000	5.55%
Total Percentage of Maximum Permissible Exposure								10.26%

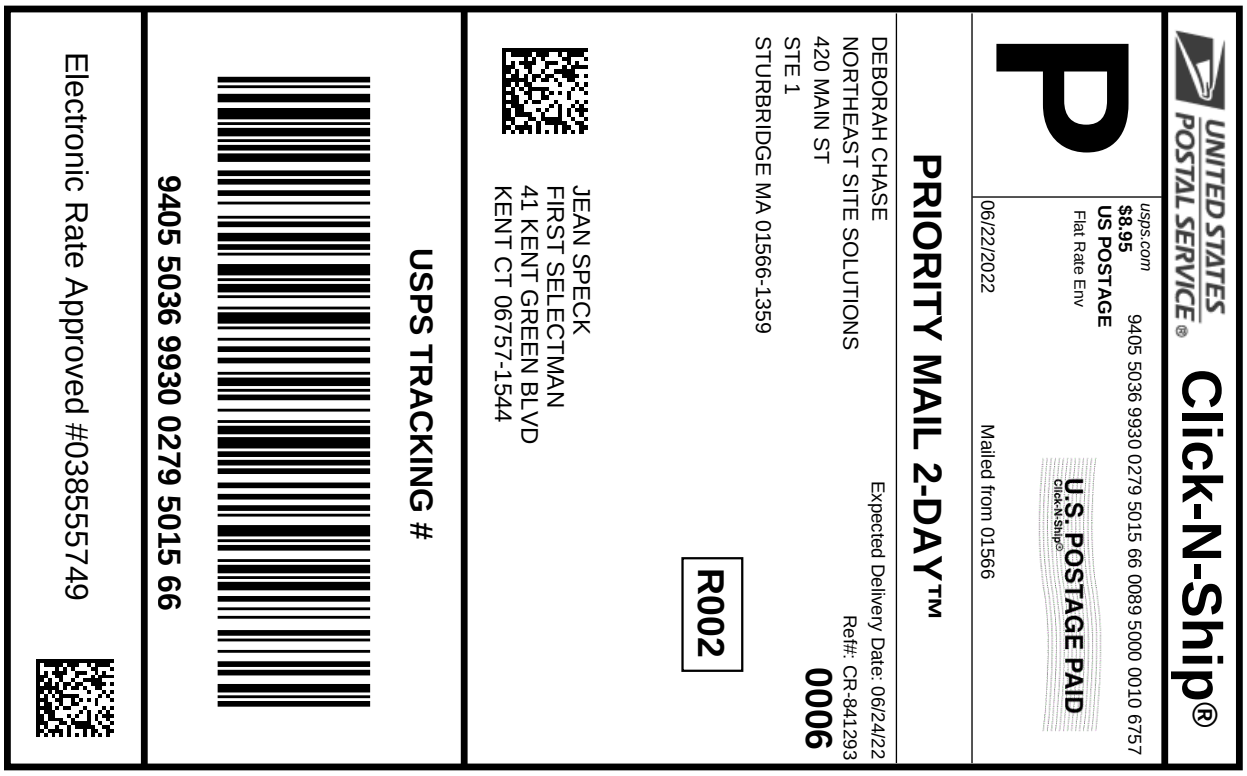
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings



Cut on dotted line.

Instructions

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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0279 5015 66

Trans. #:	566131998
Print Date:	06/22/2022
Ship Date:	06/22/2022
Expected Delivery Date:	06/24/2022

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

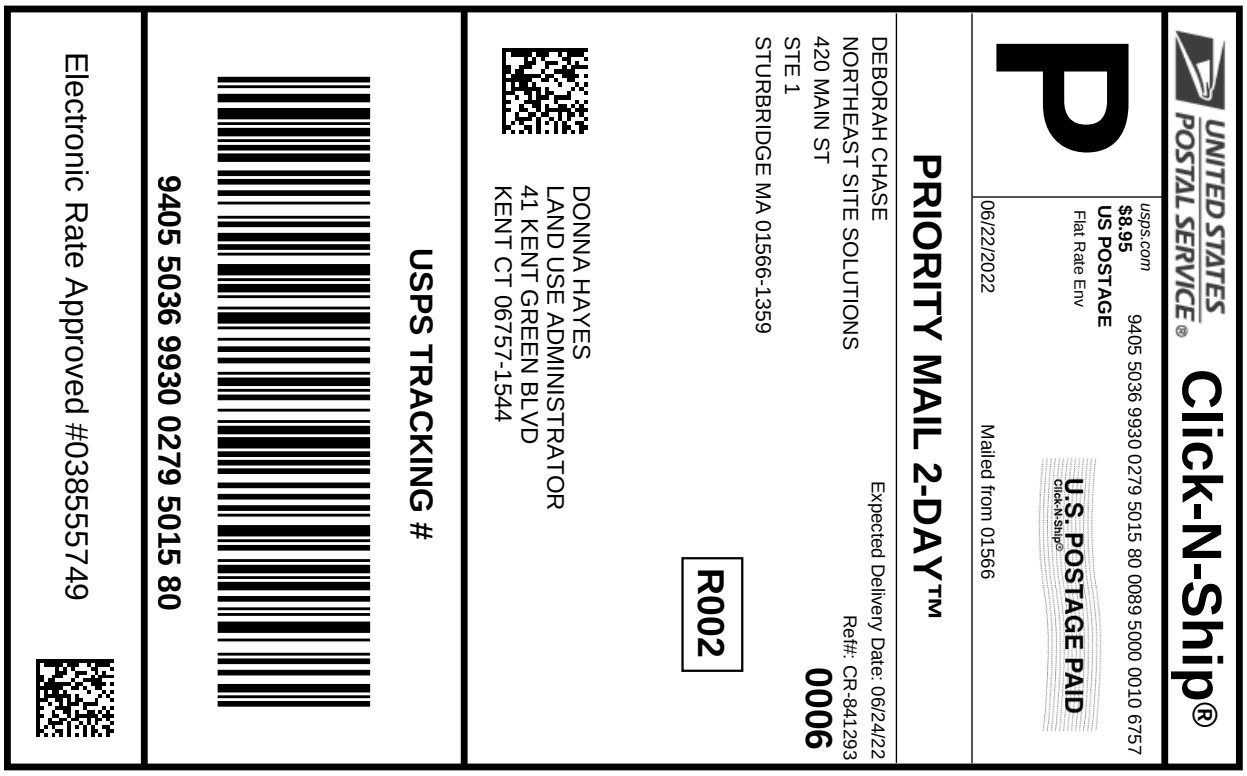
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-841293

To: JEAN SPECK
FIRST SELECTMAN
41 KENT GREEN BLVD
KENT CT 06757-1544

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

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



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Instructions

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0279 5015 80

Trans. #:	566131998
Print Date:	06/22/2022
Ship Date:	06/22/2022
Expected Delivery Date:	06/24/2022

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

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

Ref#: CR-841293

To: DONNA HAYES
LAND USE ADMINISTRATOR
41 KENT GREEN BLVD
KENT CT 06757-1544

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

Thank you for shipping with the United States Postal Service!
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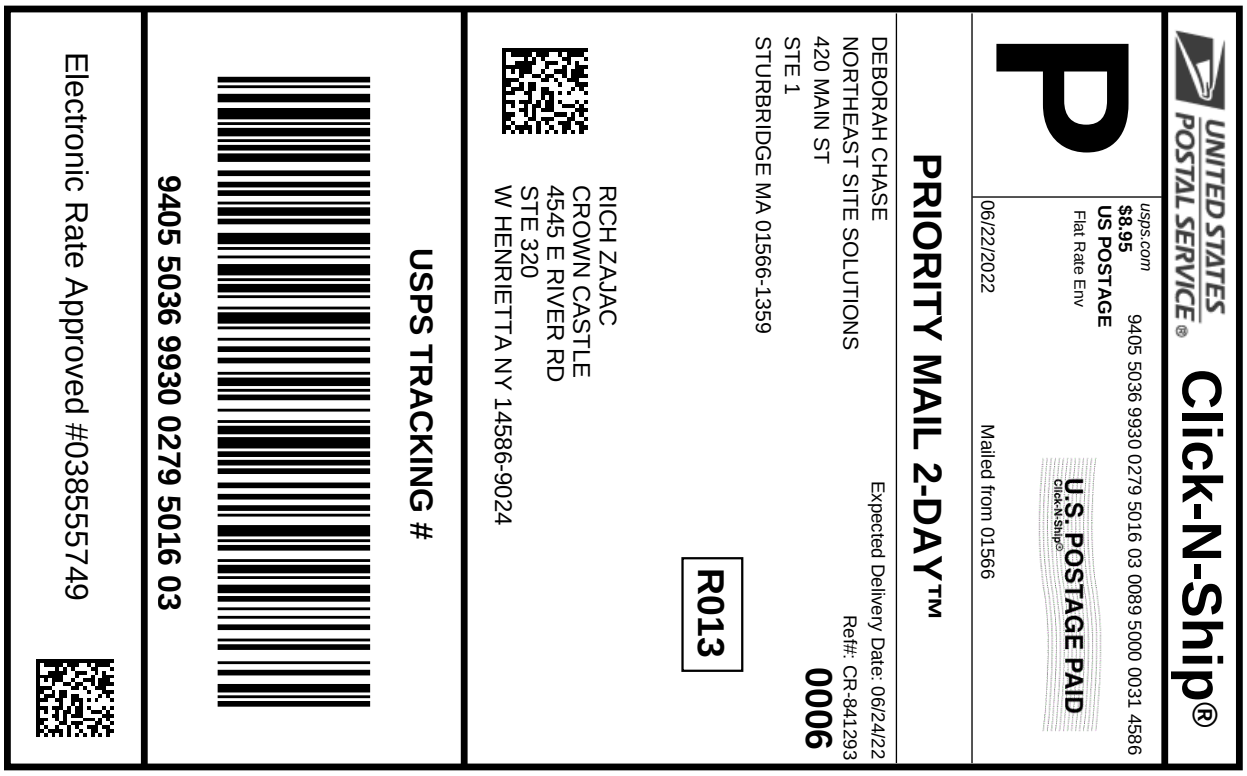

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0279 5016 03

Trans. #:	566131998
Print Date:	06/22/2022
Ship Date:	06/22/2022
Expected Delivery Date:	06/24/2022

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

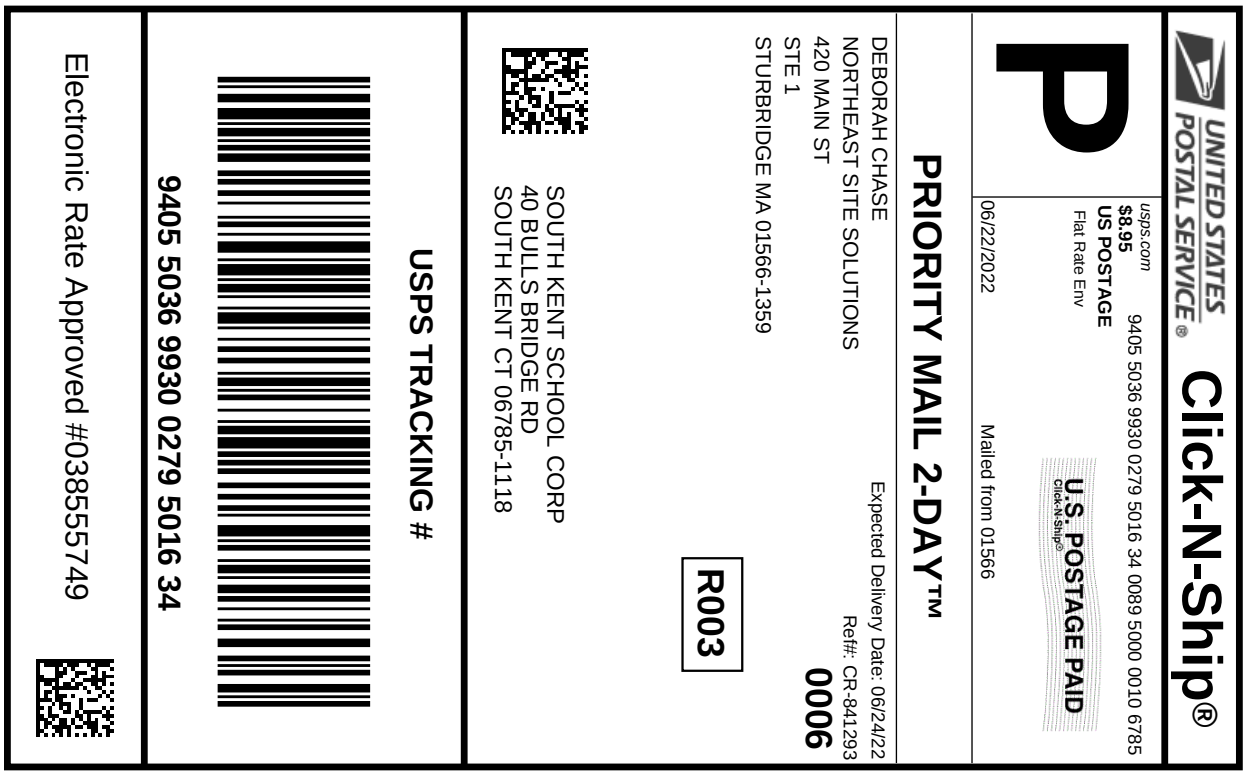
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-841293

To: RICH ZAJAC
CROWN CASTLE
4545 E RIVER RD
STE 320
W HENRIETTA NY 14586-9024

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

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



Cut on dotted line.

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0279 5016 34

Trans. #:	566131998
Print Date:	06/22/2022
Ship Date:	06/22/2022
Expected Delivery Date:	06/24/2022

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

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

Ref#: CR-841293

To: SOUTH KENT SCHOOL CORP
40 BULLS BRIDGE RD
SOUTH KENT CT 06785-1118

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

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

841293 Crown 12w

UNITED STATES POSTAL SERVICE.

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

06/22/2022 04:52 PM

Product	Qty	Unit Price	Price
Prepaid Mail West Henrietta, NY 14586 Weight: 0 lb 2.00 oz Acceptance Date: Wed 06/22/2022 Tracking #: 9405 5036 9930 0279 5016 03	1		$0.00
Prepaid Mail Kent, CT 06757 Weight: 0 lb 9.70 oz Acceptance Date: Wed 06/22/2022 Tracking #: 9405 5036 9930 0279 5015 80	1		$0.00
Prepaid Mail Kent, CT 06757 Weight: 0 lb 9.60 oz Acceptance Date: Wed 06/22/2022 Tracking #: 9405 5036 9930 0279 5015 66	1		$0.00
Prepaid Mail South Kent, CT 06785 Weight: 0 lb 9.60 oz Acceptance Date: Wed 06/22/2022 Tracking #: 9405 5036 9930 0279 5016 34	1		$0.00
Grand Total:			$0.00

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eligible to receive a third set
of 8 free test kits.
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****

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Track your Packages
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All sales final on stamps and postage.
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Thank you for your business.

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or scan this code with your mobile device.