NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

December 9, 2021

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

RE: Exempt Modification Application
175 Stafford Street, Stafford, CT 06077
Latitude: 41.987055
Longitude: -72.261297
Site #: 876402_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 175 Stafford Street, Stafford, CT 06077. Verizon Wireless currently maintains six (6) antennas at the 127-foot level of the existing 150-foot tower. The property is owned by Harry & Nancy Pragl and the tower is owned by Crown Castle. Verizon now intends to add three (3) antennas. The new antennas would be installed at the 127-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable.

Verizon Planned Modifications:

Remove: None

Remove and Replace:
(3) Nokia B13 RRH (REMOVE) - (3) Samsung RF4440D-13A RRH (REPLACE)
(3) Nokia B66A RRH (REMOVE) - (3) Samsung RF4439D-25A RRH (REPLACE)
(2) OVP-6 (REMOVE) – (2) Raycap OVP-12 (REPLACE)

Install New:
(3) MT6407-77A Antennas
(2) Hybrid Lines

Existing to Remain:
(6) ANDREW Antennas

The facility was approved by the Connecticut Siting Council , Docket No. 212 on June 3, 2002. Please see attached.

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Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Sal P. Titus, First Selectman and David Perkins, Zoning Enforcement Officer for the Town of Stafford. 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: Sal P. Titus, First Selectman
Town of Stafford
Warren Memorial Town Hall - Second Floor
1 Main Street
Stafford Springs, CT 06076

David Perkins, Zoning Enforcement Officer
Town of Stafford
Warren Memorial Town Hall - Second Floor
1 Main Street
Stafford Springs, CT 06076

Harry & Nancy Pragl
P O Box 154 B
Staffordville, CT 06077

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

DOCKET NO. 212 - Sprint Spectrum, L.P. d/b/a Sprint PCS application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility adjacent to 156 Stafford Street or 159 Stafford Street, Stafford, Connecticut.	} } } }	Connecticut Siting Council June 3, 2002

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed alternate D (deer stand) site located at 159 Stafford Street, in Stafford, 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 General Statutes § 16-50k, be issued to Sprint Spectrum d/b/a Sprint PCS for the construction, maintenance, and operation of a wireless

telecommunications facility at the proposed alternate D (deer stand) site located at 159 Stafford Street Stafford, Connecticut. We deny certification of the proposed prime site and alternate A, B, and C sites located off Stafford Street, Stafford, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas for Sprint PCS, and other telecommunications entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level including all appurtenances.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for development of the proposed alternate site including a compound reduced in size, the location and specifications for the tower foundation, antennas, equipment and foundation for equipment, security fence, access road to be no closer than 25 feet to any inland wetlands, and utility line that shall be underground; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; landscaping; and provisions for the prevention and containment of spills and/or other discharge into adjacent inland wetlands.

3. The Certificate Holder shall not construct during the months of May, June, and July for the protection of a State species of special concern, the whip-poor-wills (Caprimulgus vociferus).

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

5. The Certificate Holder shall provide electromagnetic radio frequency power density measurements within sixty days following commencement of commercial operation.

6. The Certificate Holder shall provide the Council with 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.

7. 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.

8. Following completion of construction, if the facility does not initially provide or permanently ceases to provide wireless services this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment within sixty days, or reapply for any continued or new use to the Council before any such use is made.

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

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

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

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

The parties and intervenors to this proceeding are:

Applicant Sprint Spectrum, d/b/a Sprint PCS	Thomas J. Regan, Esq. Brown, Rudnick, Freed & Gesmer, P.C. CityPlace 1, 38th Floor 185 Asylum Street Hartford, CT 06103-3402
Intervenor Citizens for Neighborhood Preservation	Glen E. Coe, Esq. Lewis B. Rome, Esq. Rome McGuigan Sabanosh, P.C. Attorneys At Law One State Street Hartford, CT 06103-3101
Party Town of Stafford	Gordon J. Frassinelli, Jr. First Selectman Town of Stafford Warren Memorial Town 1 Main Street, P.O. Box 11 Stafford Springs, CT 06076

Exhibit B

Property Card

0 STAFFORD ST

Location	0 STAFFORD ST	**Mblu**	30/ / 7T/ /
Acct#	00141400	**Owner**	PRAGL HARRY J+NANCY B
Assessment	$159,460	**Appraisal**	$227,800
PID	1589	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$2,800	$225,000	$227,800
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$1,960	$157,500	$159,460

Owner of Record

Owner	PRAGL HARRY J+NANCY B	**Sale Price**	$0
Co-Owner		**Certificate**	1
Address	PO BOX 154 B STAFFORDVILLE, CT 06077	**Book & Page**	215/ 331
		Sale Date	06/12/1985
		Instrument	

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
PRAGL HARRY J+NANCY B	$0	1	215/ 331		06/12/1985

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

Building Attributes

Field	Description
Style	Vacant Ind
Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Fireplaces	
Extra Openings	
Prefab Fpl(s)	
Attic Type	
Bsmt Type	
Bsmt Garage(s)	
Fin Bsmnt	
Fn. Bmt. Qual.	
Unfin Area	

Building Photo

(http://images.vgsi.com/photos2/StaffordCTPhotos//\00\00\19\68.JPG)

Building Layout

(ParcelSketch.ashx?pid=1589&bid=1589)

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

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	300
Description	Ind Land
Zone	AA
Neighborhood	502
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.50
Frontage	
Depth	
Assessed Value	$157,500
Appraised Value	$225,000

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
FN3	FENCE-6' CHAIN			200.00 L.F.	$900	1
SHD1	Shed	MS	Masonry	240.00 S.F.	$1,900	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$2,800	$225,000	$227,800
2018	$2,800	$225,000	$227,800
2017	$2,800	$225,000	$227,800

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$1,960	$157,500	$159,460
2018	$1,960	$157,500	$159,460
2017	$1,960	$157,500	$159,460

bing maps

175 Stafford St, Stafford, CT 06076

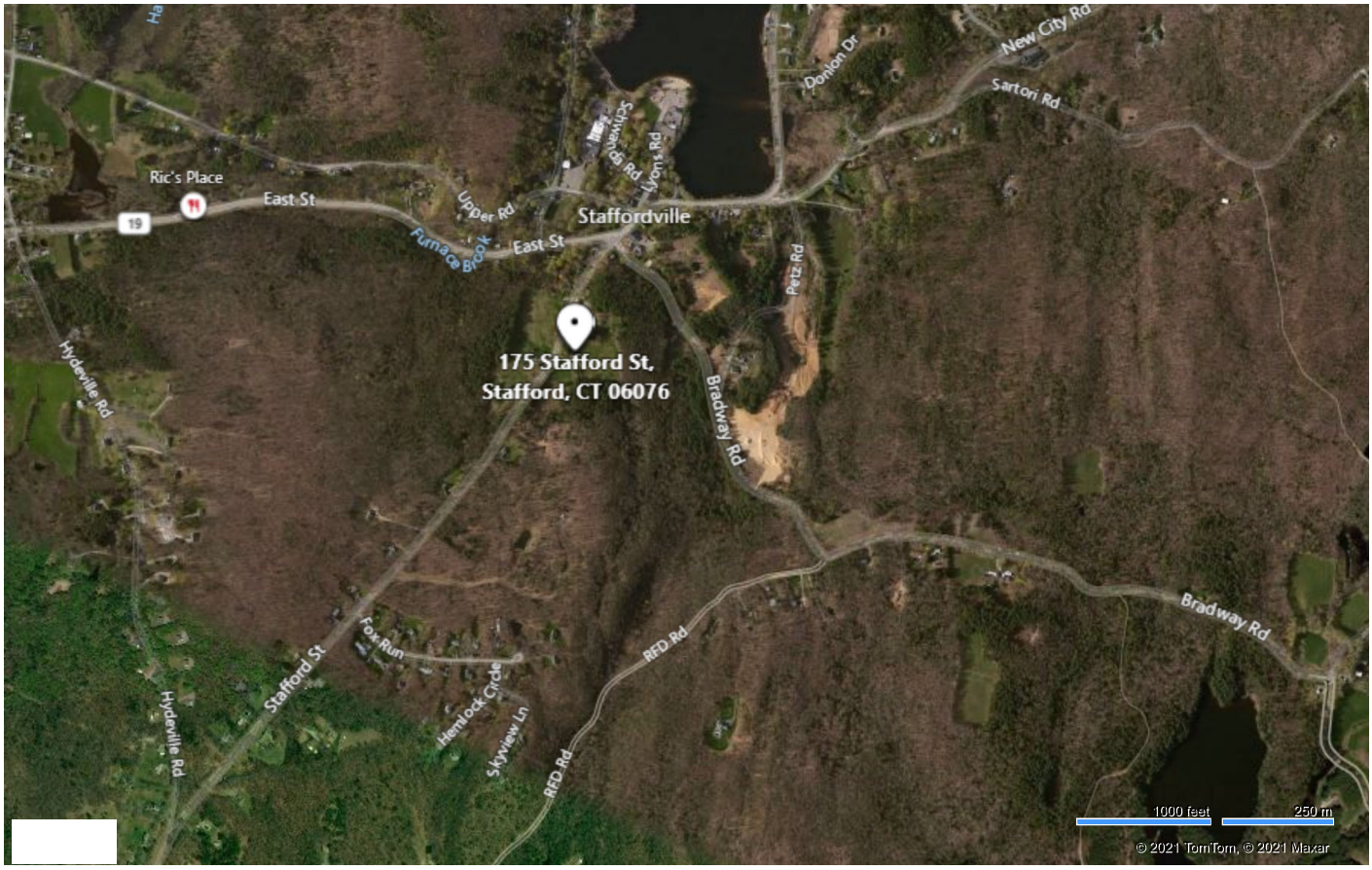


Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 468157
VERIZON SITE NAME: STAFFORDVILLE EAST CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 150'-0"

BUSINESS UNIT #: 876402
SITE ADDRESS: 165 STAFFORD ST STAFFORD, CT 06077
COUNTY: TOLLAND
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 850 ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	STAFFORD/PRAGYL/SSUSA
SITE ADDRESS:	165 STAFFORD ST STAFFORD, CT 06077
COUNTY:	TOLLAND
MAP/PARCEL #:	30/ / 7/ /
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.987050°
LONGITUDE:	-72.261328°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	981'
CURRENT ZONING:	ST, AA
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:	PRAGL HARRY J+NANCY B PO BOX 154 B STAFFORDVILLE, CT 06077
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NORTHEAST UTILITIES (800) 286-2000
TELCO PROVIDER:	AT&T (866) 620-6900

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1505 WESTLAKE AVENUE NORTH, SUITE 800 SEATTLE, WA 98109
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	10039614
VzW LOCATION CODE (PSLC)	468157

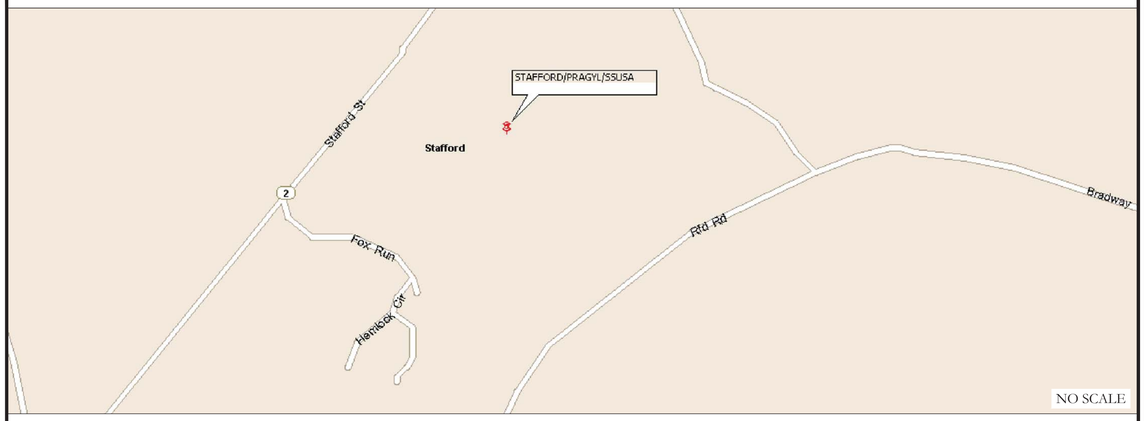
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (47B W MAIN ST, STAFFORD, CT 06076)
HEAD SOUTHEAST ON W MAIN ST TOWARD CENTER ST, AT THE ROUNDABOUT, TAKE THE 2ND EXIT ONTO MAIN ST, TURN RIGHT ONTO CT-190 E/E MAIN ST, CONTINUE TO FOLLOW CT-190 E, TURN LEFT ONTO STAFFORD ST, TURN RIGHT.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	TOWER ENGINEERING PROFESSIONALS
DATED:	10/12/21
MOUNT ANALYSIS:	GPD ENGINEERING
DATED:	9/7/21
RFDS REVISION:	N/A
DATED:	10/27/21
ORDER ID:	589220
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) RADIOS
- REMVE (2) OVP-6
- REMOVE (2) 6X12 HYBRIFLEX NON-LI
- INSTALL (3) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (2) OVPs
- INSTALL (2) 6X12 HYBRIFLEX LI

GROUND SCOPE OF WORK:
- NONE

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
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:
468157

BU #: **876402**
STAFFORD/PRAGYL/SSUSA

165 STAFFORD ST
STAFFORD, CT 06077

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/25/21	AP	CONSTRUCTION	TDG
1	11/4/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
No. 23824
LICENSED
PROFESSIONAL ENGINEER
11/4/21

B&T ENGINEERING, INC.

SHEET NUMBER:	REVISION:
T-1	1

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:
468157

BU #: **876402**
STAFFORD/PRAGYL/SSUSA

165 STAFFORD ST
STAFFORD, CT 06077

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

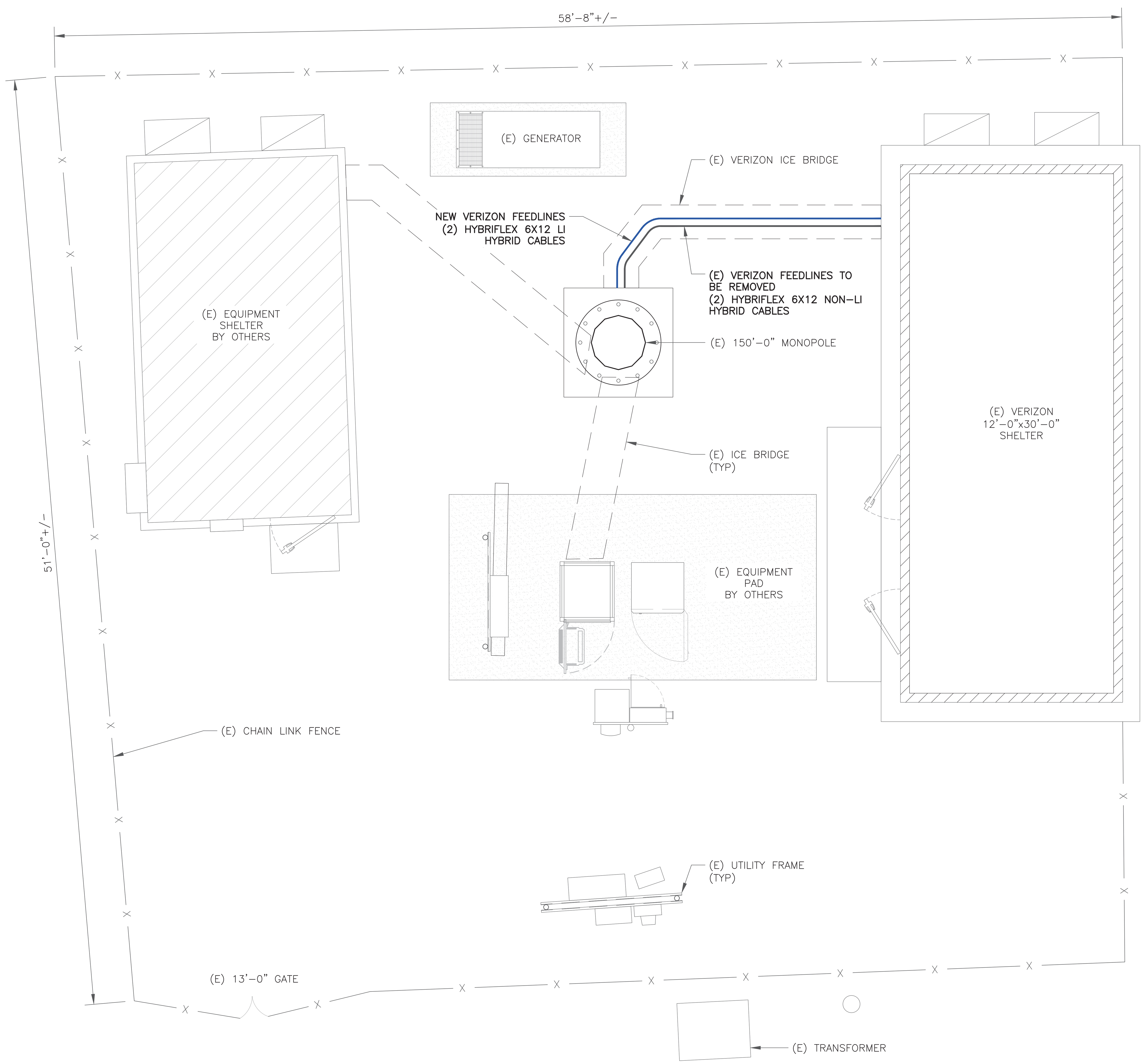
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/25/21	AP	CONSTRUCTION	TDG
1	11/4/21	TDG	CONSTRUCTION	TDG

No. 23924
11/4/21

B&T ENGINEERING, INC.

SHEET NUMBER: T-2
REVISION: 1

84466.008.01_STAFFORD_PRAGYL_SSUSA.dwg — Sheet:T-2 — User: tim.grove — Nov 04, 2021 — 3:32pm



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

N

84466.008.01_STAFFORD_PRAGYL_SSUSA.dwg – Sheet:C-1 – User: tim.grove – Nov 04, 2021 – 3:32pm

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180 WASHINGTON VALLEY ROAD
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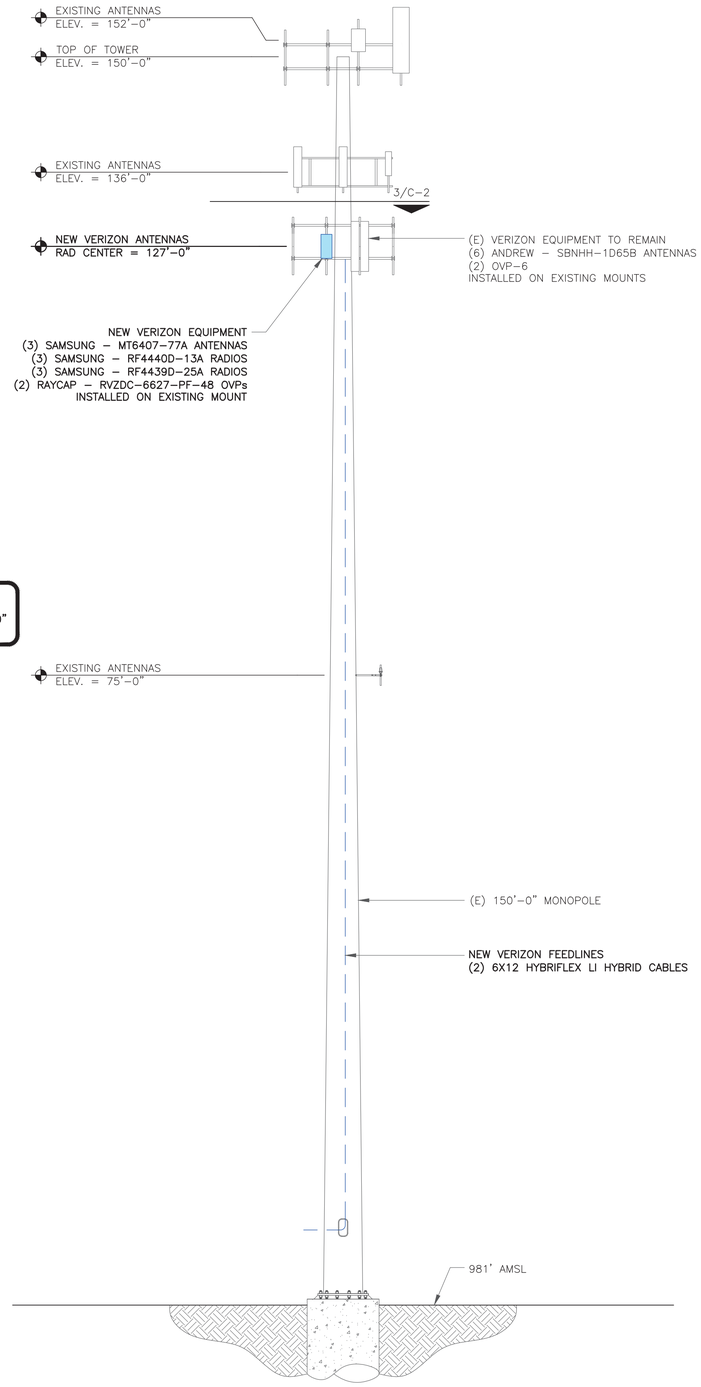
1	11/4/21	TDG	CONSTRUCTION	TDG

11/4/21

B&T ENGINEERING, INC.

SHEET NUMBER: C-1

REVISION: 1



1 TOWER ELEVATION
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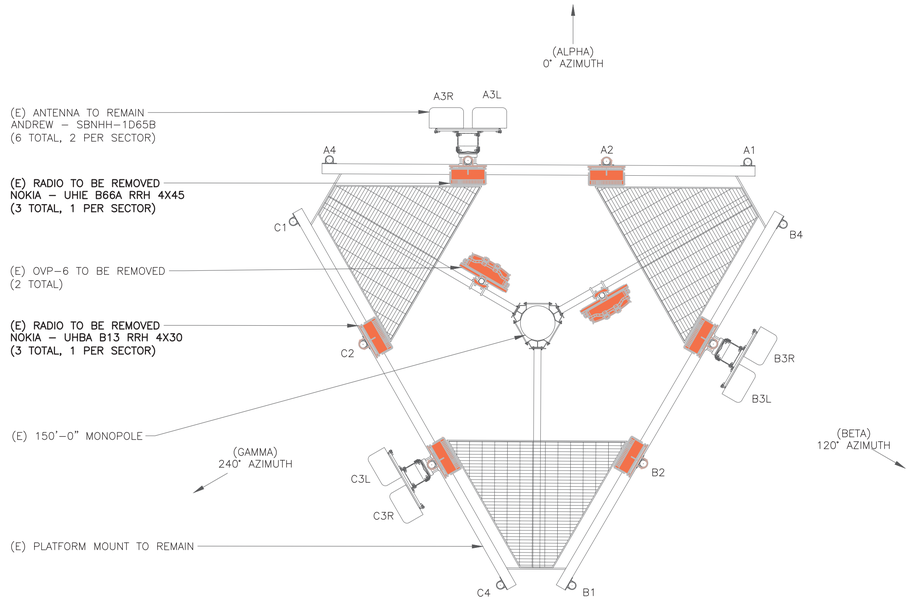
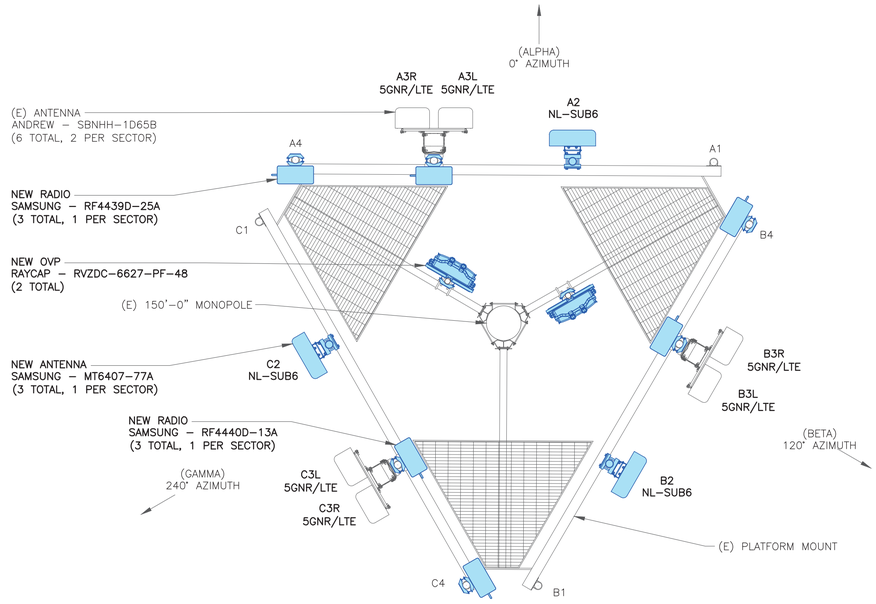


2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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B&T ENGINEERING, INC.

SHEET NUMBER: C-2

REVISION: 1

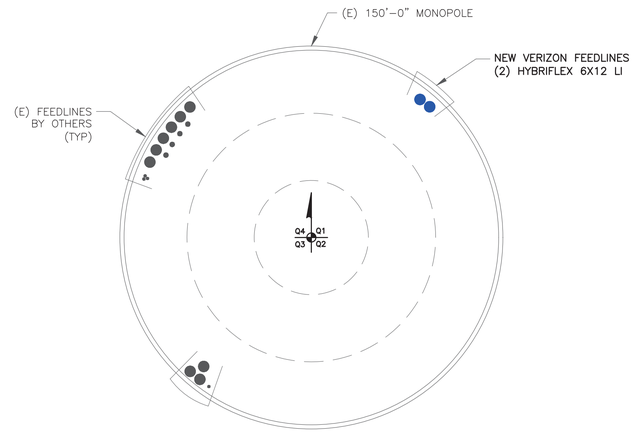
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
A2	**NEW**	**SAMSUNG**	**MT6407–77A**	**127'–0"**	**0°**	**0°**	**6°**	–	(1) RVZDC–6627–PF–48
A3L	EXISTING	ANDREW	SBNHH–1D65B	127'–0"	0°	0°	2°/2°/2°/2°/2°	SAMSUNG	(1) RF4440D–13A
A3R	EXISTING	ANDREW	SBNHH–1D65B	127'–0"	0°	0°	2°/2°/2°/2°/2°	SAMSUNG	(1) RF4439D–25A
A4	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
B1	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
B2	**NEW**	**SAMSUNG**	**MT6407–77A**	**127'–0"**	**120°**	**0°**	**6°**	–	(1) RVZDC–6627–PF–48
B3L	EXISTING	ANDREW	SBNHH–1D65B	127'–0"	120°	0°	2°/2°/2°/2°/2°	SAMSUNG	(1) RF4440D–13A
B3R	EXISTING	ANDREW	SBNHH–1D65B	127'–0"	120°	0°	2°/2°/2°/2°/2°	SAMSUNG	(1) RF4439D–25A
B4	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
C1	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
C2	**NEW**	**SAMSUNG**	**MT6407–77A**	**127'–0"**	**240°**	**0°**	**6°**	–	–
C3L	EXISTING	ANDREW	SBNHH–1D65B	127'–0"	240°	0°	5°/5°/5°/2°/5°	SAMSUNG	(1) RF4440D–13A
C3R	EXISTING	ANDREW	SBNHH–1D65B	127'–0"	240°	0°	5°/5°/5°/2°/5°	SAMSUNG	(1) RF4439D–25A
C4	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
NEW	HYBRID	6X12	177'–0"±	2
TOTAL CABLE QTY:				2



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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www.btgrp.com

VERIZON SITE NUMBER:
468157

BU #: **876402**
STAFFORD/PRAGYL/SSUSA

165 STAFFORD ST
STAFFORD, CT 06077

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/25/21	AP	CONSTRUCTION	TDG
1	11/4/21	TDG	CONSTRUCTION	TDG

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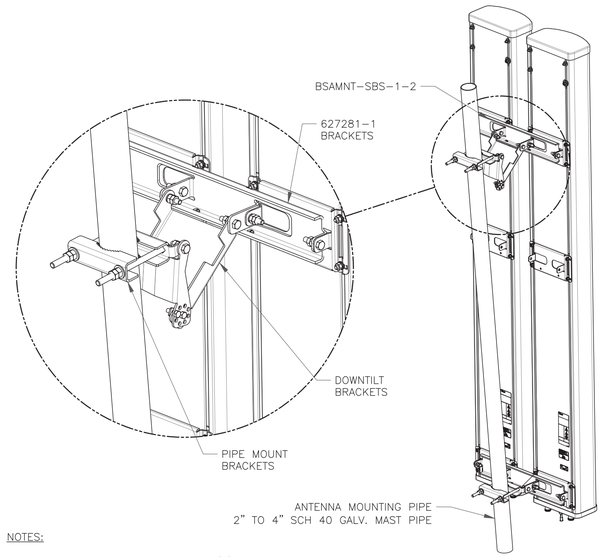
SHEET NUMBER: C-3

REVISION: 1

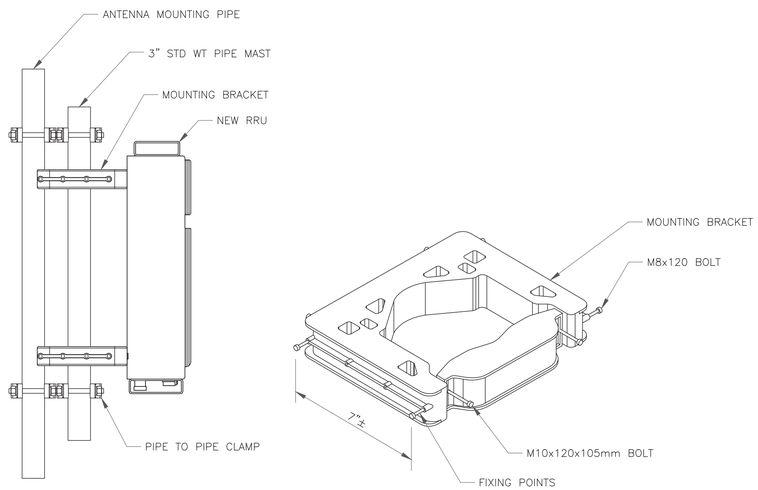


NOTES:

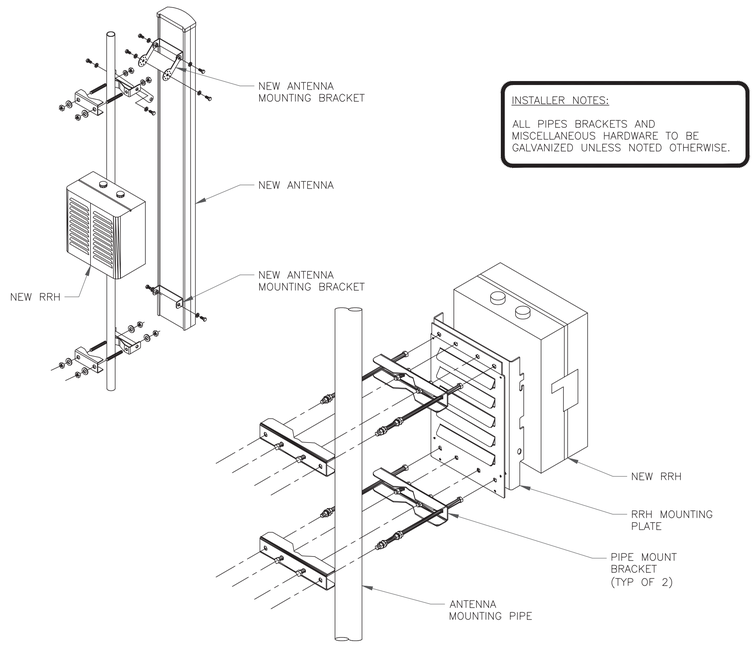
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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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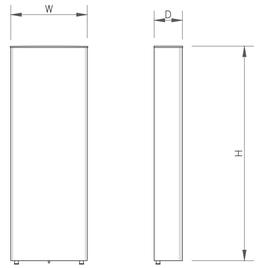
1	11/4/21	TDG	CONSTRUCTION	TDG

B&T ENGINEERING, INC.

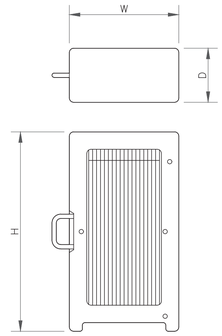
SHEET NUMBER: C-4

REVISION: 1



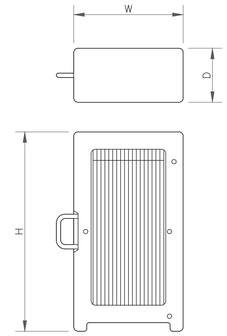
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



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

2 RRU SPECS
SCALE: NOT TO SCALE



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

3 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

4 OVP SPECS
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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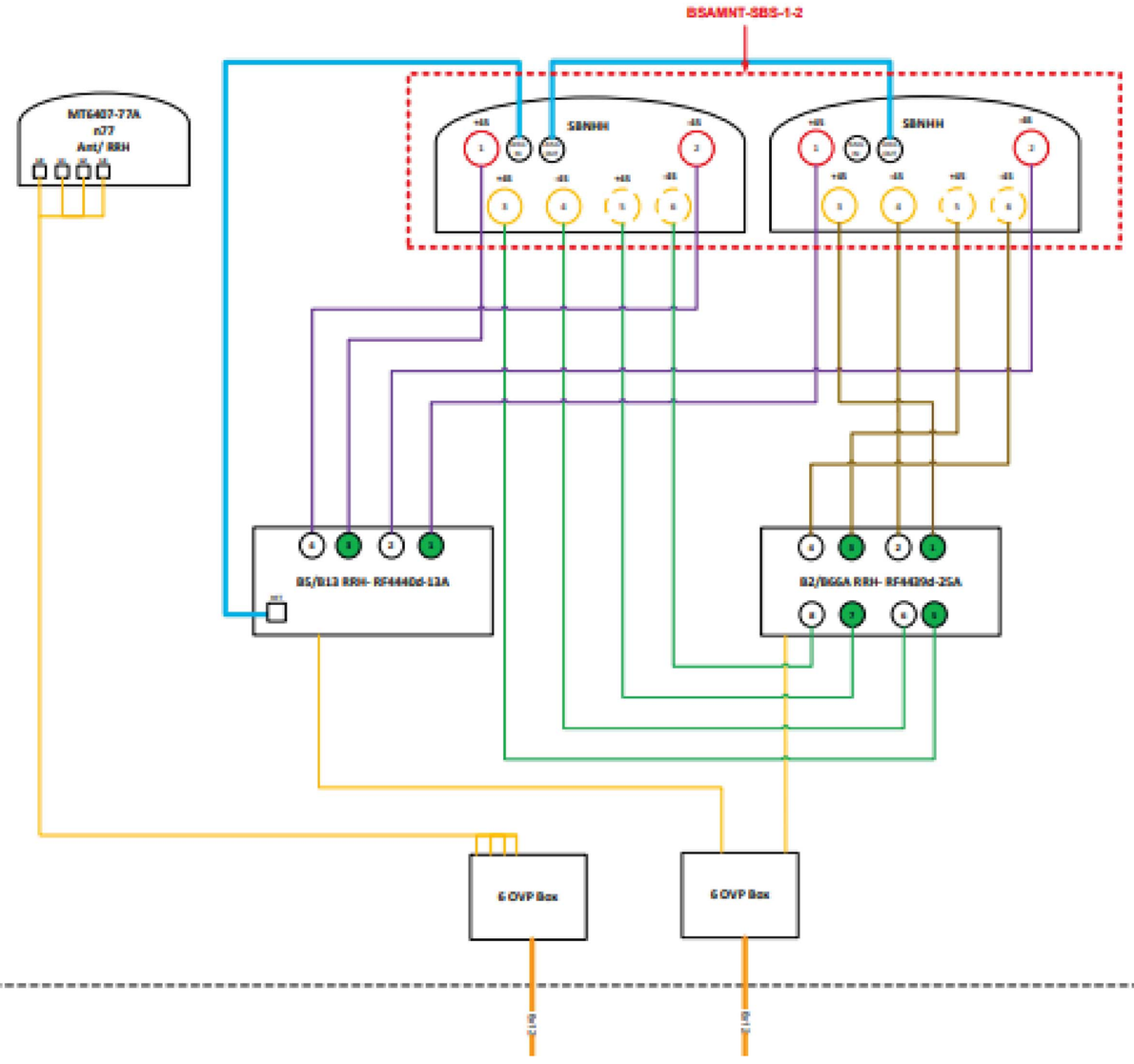
SHEET NUMBER: C-5

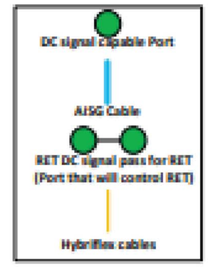
REVISION: 1



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

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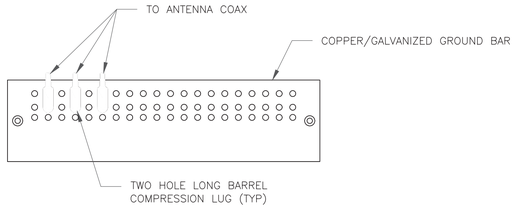
SHEET NUMBER: C-6

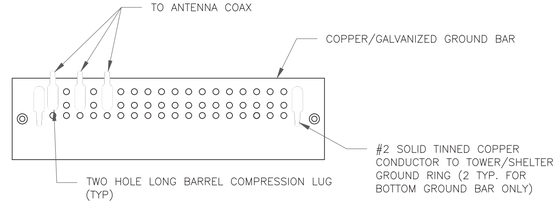
REVISION: 1



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.

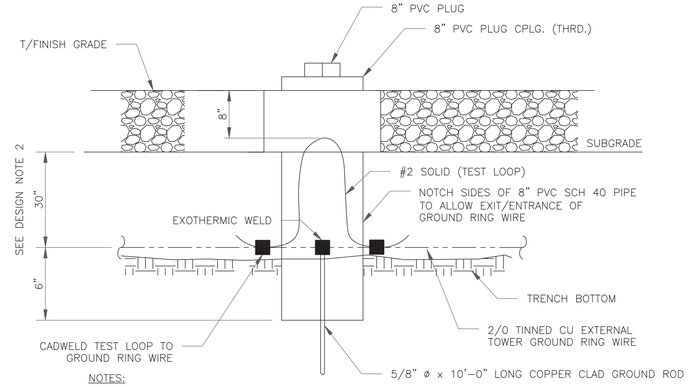
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

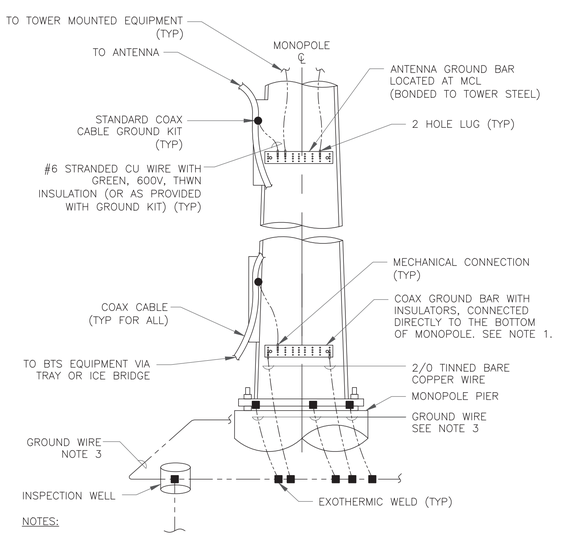
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

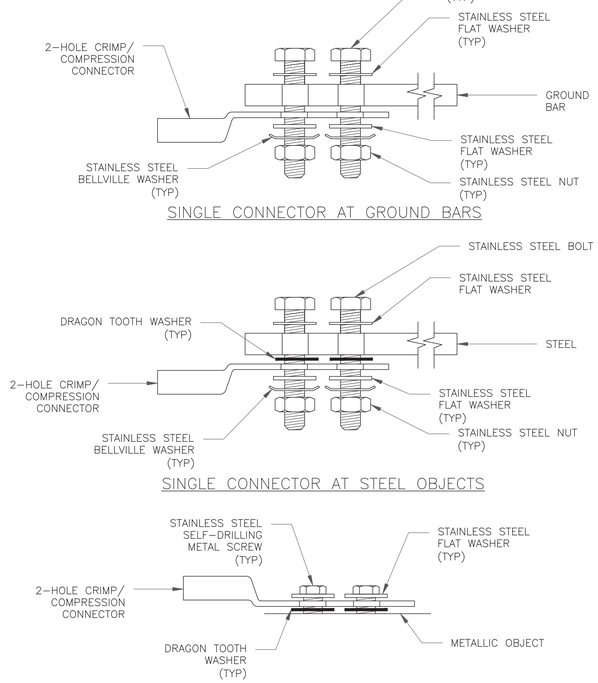
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



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

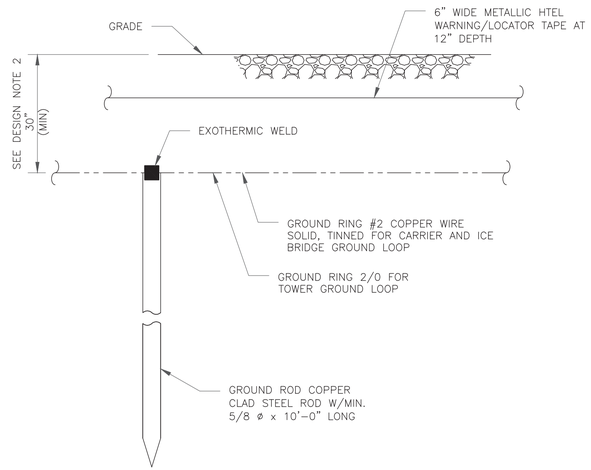


SINGLE CONNECTOR AT GROUND BARS

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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VERIZON SITE NUMBER:
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BU #: **876402**
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165 STAFFORD ST
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EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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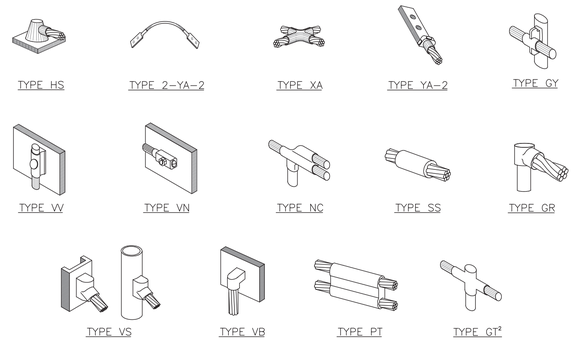
1	11/4/21	TDG	CONSTRUCTION	TDG

B&T ENGINEERING, INC.

SHEET NUMBER: G-1
REVISION: 1

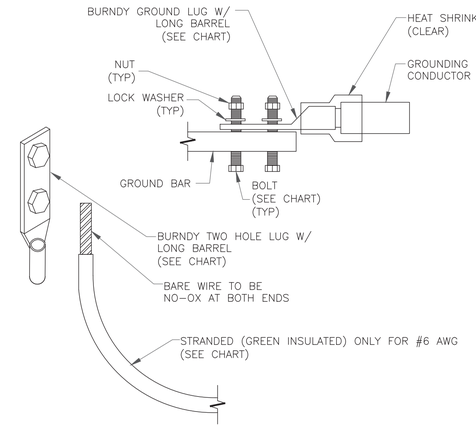


NOTE:

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

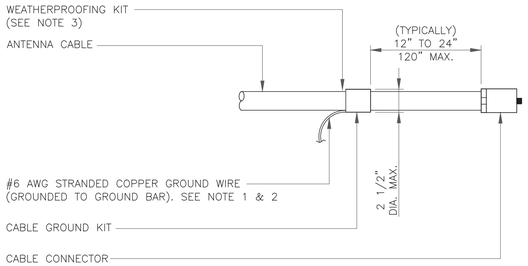
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

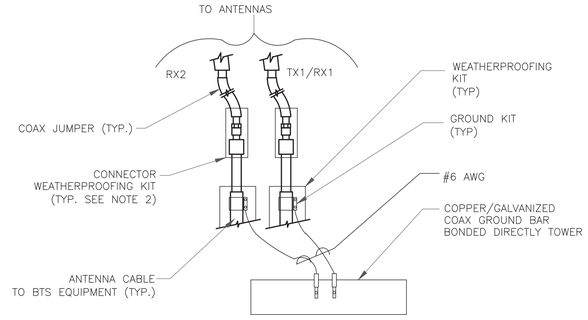
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

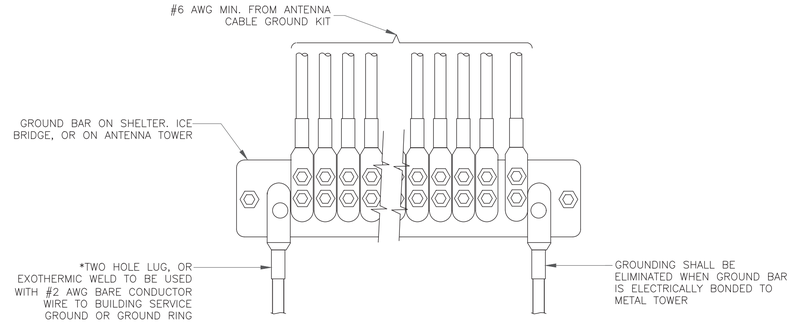
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



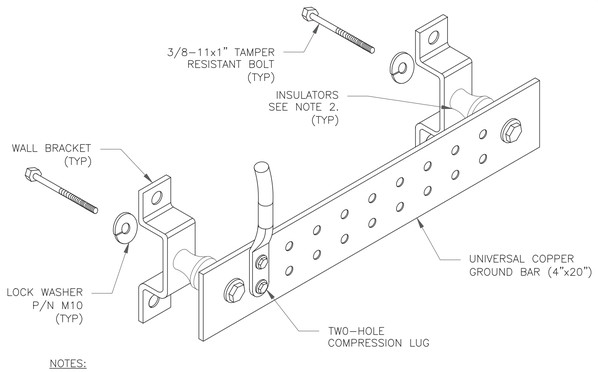
NOTES:

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



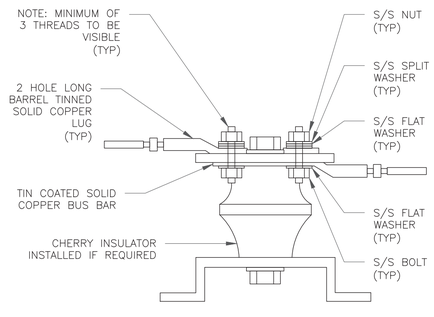
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



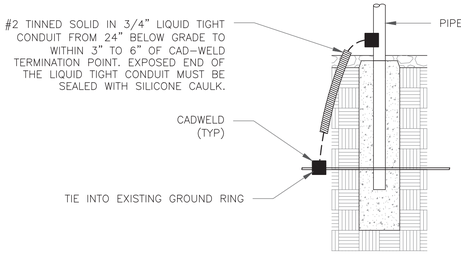
NOTES:

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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1	11/4/21	TDG	CONSTRUCTION	TDG

B&T ENGINEERING, INC.

SHEET NUMBER: G-2
REVISION: 1

Exhibit D

Structural Analysis Report

Date: **October 12, 2021**

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

Subject: Structural Analysis Report

Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	468157
	Site Name:	STAFFORDVILLE EAST CT
Crown Castle Designation:	**BU Number:**	876402
	Site Name:	STAFFORD/PRAGYL/SSUSA
	JDE Job Number:	688785
	Work Order Number:	2027774
	Order Number:	589220 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	22178.609395
Site Data:	**175 Stafford Street, Stafford, Tolland County, CT 06077**	
	Latitude *41° 59' 13.38"*, Longitude *-72° 15' 40.78"*	
	150 Foot - Monopole Tower	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity - 83.3%**

This analysis utilizes an ultimate 3-second gust wind speed of 125 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: Matthew E. Crispi, E.I. / DEN

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

10/12/2021

TABLE OF CONTENTS

1) INTRODUCTION

This is a 150-ft monopole tower mapped by Tower Engineering Professionals in December of 2007. The tower has been modified per reinforcement drawings prepared by Paul J. Ford and Company in June of 2013.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	B
Topographic Factor:	1.0
Ice Thickness:	2.0 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
127.0	127.0	3	Commscope	SBNHH-1D65B w/ Mount Pipe	2	1-5/8
		3	Commscope	SBNHH-1D65B		
		3	Samsung Telecom.	MT6407-77A w/ Mount Pipe		
		3	Samsung Telecom.	RF4439D-25A		
		3	Samsung Telecom.	RF4440D-13A		
		2	Raycap	RXXDC-3315-PF-48		
		1	Tower Mounts	Platform Mount [LP 303-1_HR-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
150.0	152.0	3	Ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	3	1-5/8
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	Ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	Ericsson	Radio 4480_TMOV2		
	150.0	1	Tower Mounts	Platform Mount [LP 1201-1_HR-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
136.0	138.0	2	CCI Antennas	DMP65R-BU8D w/ Mount Pipe	2 5 6	3/8 3/4 1-5/8
		1	CCI Antennas	DMP65R-BU6D w/ Mount Pipe		
		2	CCI Antennas	OPA65R-BU8D w/ Mount Pipe		
		1	CCI Antennas	OPA65R-BU6D w/ Mount Pipe		
		3	Powerwave Technologies	7770.00 w/ Mount Pipe		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 8843 B2/B66A		
		6	Powerwave Technologies	LGP21401		
		1	Raycap	DC6-48-60-18-8F		
		1	Raycap	DC9-48-60-24-8C-EV		
	136.0	3	Commscope	VSR-MS-B		
		3	Generic	P2.5STD - 12.5-ft		
		1	Tower Mounts	T-Arm Mount [TA 602-3]		
75.0	75.0	1	Lucent	KS24019-L112A	1	1/2
		1	Tower Mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	2194187	CCISites
Tower Foundation Drawings	2208777	CCISites
Tower Manufacturer Drawings	2175539	CCISites
Tower Reinforcement Drawings	3888429	CCISites
Post-Modification Inspection	5639214	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) The tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2, and the referenced drawings.
3) The following material grades were assumed:
   a) Pole shaft: ASTM A572-65
   b) Base plate: ASTM A572-50
   c) Anchor bolts: A615-75 N
   d) Concrete compressive strength: f'c = 3 ksi
   e) Foundation flexural reinforcement: fy = 60 ksi

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (k)	ϕP_{allow} (k)	% Capacity	Pass / Fail
L1	150 - 123	Pole	TP22.69x17x0.25	1	-12.07	1065.50	33.8	Pass
L2	123 - 85	Pole	TP28.36x21.6105x0.375	2	-17.83	2003.63	56.5	Pass
L3	85 - 44	Pole	TP36.86x27.0303x0.4063	3	-26.41	2808.54	59.3	Pass
L4	44 - 0	Pole	TP42.53x35.0535x0.4375	4	-39.71	3590.34	64.1	Pass
							Summary	
						Pole (L4)	64.1	Pass
						RATING =	**64.1**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	74.3	Pass
1,2	Base Plate	-	83.3	Pass
1,2	Base Foundation Structural	-	47.5	Pass
1,2	Base Foundation Soil Interaction	-	49.1	Pass

Structure Rating (max from all components) =	**83.3%**

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

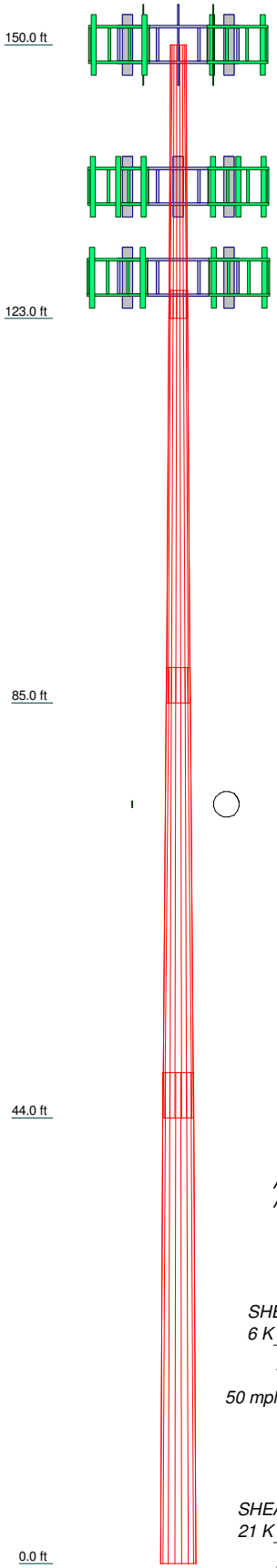
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	27.00	18	0.2500	2.75	17.0000	22.6900	A572-65	1.4
2	40.75	18	0.3750	3.50	21.6105	28.3600		4.1
3	44.50	18	0.4063	4.50	27.0303	36.8600		6.2
4	48.50	18	0.4375		35.0535	42.5300		8.8
								20.4



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-H Standard.
2. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 64.1%

ALL REACTIONS ARE FACTORED

AXIAL 73 K

SHEAR 6 K *MOMENT 820 kip-ft*

TORQUE 1 kip-ft
50 mph WIND - 2.0000 in ICE

AXIAL 40 K

SHEAR 21 K *MOMENT 2471 kip-ft*

TORQUE 1 kip-ft
REACTIONS - 125 mph WIND

Tower Engineering Professionals

Tower Engineering Professionals, Inc.
326 Tryon Road
Raleigh, NC 27603
Phone: (619) 661-6351
FAX: (619) 661-6350

Job: ***Stafford/Pragyl/SSUSA (BU 876402)***			
Project: ***TEP No. 22178.609395***			
Client: Crown Castle	Drawn by: CJB	App'd:	
Code: TIA-222-H	Date: 10/12/21	Scale: NTS	
Path: C:\Users\cbowen\Desktop\22178 (BU876402)\876402_2027774_LC7.eri		Dwg No. E-1	

Tower Input Data

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

Tower base elevation above sea level: 962.00 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 2.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	150.00-123.00	27.00	2.75	18	17.0000	22.6900	0.2500	1.0000	A572-65 (65 ksi)
L2	123.00-85.00	40.75	3.50	18	21.6105	28.3600	0.3750	1.5000	A572-65 (65 ksi)
L3	85.00-44.00	44.50	4.50	18	27.0303	36.8600	0.4063	1.6250	A572-65 (65 ksi)
L4	44.00-0.00	48.50		18	35.0535	42.5300	0.4375	1.7500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	17.2237	13.2911	471.1170	5.9463	8.6360	54.5527	942.8540	6.6468	2.5520	10.208
	23.0015	17.8061	1132.7992	7.9662	11.5265	98.2776	2267.0890	8.9048	3.5534	14.214
L2	22.3485	25.2755	1439.9945	7.5386	10.9781	131.1696	2881.8838	12.6402	3.1434	8.383
	28.7396	33.3091	3295.7296	9.9347	14.4069	228.7608	6595.7958	16.6577	4.3314	11.55
L3	28.1697	34.3300	3074.3930	9.4515	13.7314	223.8953	6152.8313	17.1683	4.0423	9.95
	37.3660	47.0048	7891.5876	12.9411	18.7249	421.4493	15793.5591	23.5069	5.7724	14.209
L4	36.2311	48.0686	7277.0016	12.2887	17.8072	408.6557	14563.5785	24.0389	5.3994	12.342
	43.1186	58.4507	13083.8812	14.9428	21.6052	605.5883	26184.9785	29.2309	6.7153	15.349

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 150.00-123.00				1	1	1			
L2 123.00-85.00				1	1	1			
L3 85.00-44.00				1	1	1			
L4 44.00-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
***											

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

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
150									
HB158-21U6S24-xx M_TMO(1-5/8)	C	No	No	Inside Pole	150.00 - 0.00	3	No Ice	0.00	2.50
							1/2" Ice	0.00	2.50
							1" Ice	0.00	2.50
							2" Ice	0.00	2.50
136									
FB-L98B-002-75000 (3/8)	C	No	No	Inside Pole	136.00 - 0.00	2	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	136.00 - 0.00	5	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
FXL 1873 PE(1-5/8)	C	No	No	Inside Pole	136.00 - 0.00	6	No Ice	0.00	0.67
							1/2" Ice	0.00	0.67
							1" Ice	0.00	0.67
							2" Ice	0.00	0.67
2" Flexible Conduit	C	No	No	Inside Pole	136.00 - 0.00	1	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
							2" Ice	0.00	0.34
127									
HB158-1-08U8-S8J 18(1-5/8)	C	No	No	Inside Pole	127.00 - 0.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
75									
LDF4-50A(1/2)	C	No	No	Inside Pole	75.00 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
Misc									
Step Pegs (5/8" SR) 7-in. w/30" step	C	No	No	CaAa (Out Of Face)	150.00 - 0.00	1	No Ice	0.03	0.49
							1/2" Ice	0.14	1.01
							1" Ice	0.23	2.07
							2" Ice	0.43	6.09
Safety Line 3/8	C	No	No	CaAa (Out Of Face)	150.00 - 0.00	1	No Ice	0.04	0.22
							1/2" Ice	0.14	0.75
							1" Ice	0.24	1.28
							2" Ice	0.44	2.34
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.00-123.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	1.958	0.33
L2	123.00-85.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	2.755	0.69

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
L3	85.00-44.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	2.973	0.75
L4	44.00-0.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	3.190	0.81

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	150.00-123.00	A	1.958	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	23.108	0.53
L2	123.00-85.00	A	1.906	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	32.523	0.98
L3	85.00-44.00	A	1.816	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	34.227	1.05
L4	44.00-0.00	A	1.629	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	35.159	1.11

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.00-123.00	-0.5521	0.3188	-2.4046	1.3883
L2	123.00-85.00	-0.5599	0.3233	-2.6345	1.5210
L3	85.00-44.00	-0.5662	0.3269	-2.8017	1.6176
L4	44.00-0.00	-0.5700	0.3291	-2.8603	1.6514

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
150 AIR6449 B41_T-MOBILE	A	From	4.00	0.0000	150.00	No Ice	5.19	2.71	0.13

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
w/ Mount Pipe		Centroid-Leg	0.00 2.00			1/2" Ice 1" Ice 2" Ice	5.59 6.02 6.90	3.04 3.38 4.12	0.17 0.23 0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.19 5.59 6.02 6.90	2.71 3.04 3.38 4.12	0.13 0.17 0.23 0.35
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.18 0.31 0.45 0.78
RADIO 4460 B2/B25 B66_TMO	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
RADIO 4460 B2/B25 B66_TMO	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
RADIO 4460 B2/B25 B66_TMO	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
Radio 4480_TMOV2	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.88 3.09 3.31 3.78	1.40 1.56 1.73 2.09	0.08 0.10 0.13 0.19
Radio 4480_TMOV2	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.88 3.09 3.31 3.78	1.40 1.56 1.73 2.09	0.08 0.10 0.13 0.19
Radio 4480_TMOV2	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.88 3.09 3.31 3.78	1.40 1.56 1.73 2.09	0.08 0.10 0.13 0.19
Platform Mount [LP 1201-1_HR-1]	C	None		0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	26.39 31.40 36.20 45.40	26.39 31.40 36.20 45.40	2.36 3.06 3.86 5.76
(2) 2 3/8" Dia. x 8'	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 2 3/8" Dia. x 8'	B	From Centroid-Leg	4.00 0.00	0.0000	150.00	No Ice 1/2" Ice	1.90 2.73	1.90 2.73	0.03 0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		g	0.00			1" Ice	3.40	3.40	0.06
						2" Ice	4.40	4.40	0.12
(2) 2 3/8" Dia. x 8'	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
136									
DMP65R-BU8D w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	15.89 16.81 17.76 19.70	7.89 8.74 9.60 11.37	0.14 0.25 0.38 0.68
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU8D w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	15.89 16.81 17.76 19.70	7.89 8.74 9.60 11.37	0.14 0.25 0.38 0.68
OPA65R-BU8D w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.46 18.46 19.48 21.58	8.58 9.49 10.42 12.33	0.11 0.22 0.35 0.66
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.25 13.00 13.76 15.34	6.05 6.71 7.39 8.79	0.09 0.18 0.27 0.51
OPA65R-BU8D w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.46 18.46 19.48 21.58	8.58 9.49 10.42 12.33	0.11 0.22 0.35 0.66
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
RRUS 4449 B5/B12	A	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	B	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	C	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4478 B14	A	From Leg	4.00 0.00	0.0000	136.00	No Ice 1/2" Ice	1.84 2.01	1.06 1.20	0.06 0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.00			1" Ice	2.19	1.34	0.09
						2" Ice	2.57	1.66	0.14
RRUS 4478 B14	B	From Leg	4.00	0.0000	136.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			2.00			1" Ice	2.19	1.34	0.09
						2" Ice	2.57	1.66	0.14
RRUS 4478 B14	C	From Leg	4.00	0.0000	136.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			2.00			1" Ice	2.19	1.34	0.09
						2" Ice	2.57	1.66	0.14
RRUS 8843 B2/B66A	A	From Leg	4.00	0.0000	136.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			2.00			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
RRUS 8843 B2/B66A	B	From Leg	4.00	0.0000	136.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			2.00			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
RRUS 8843 B2/B66A	C	From Leg	4.00	0.0000	136.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			2.00			1" Ice	1.97	1.65	0.11
						2" Ice	2.32	1.99	0.16
(2) LGP21401	A	From Leg	4.00	0.0000	136.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			2.00			1" Ice	1.38	0.35	0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	B	From Leg	4.00	0.0000	136.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			2.00			1" Ice	1.38	0.35	0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	C	From Leg	4.00	0.0000	136.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			2.00			1" Ice	1.38	0.35	0.03
						2" Ice	1.69	0.52	0.05
DC6-48-60-18-8F	A	From Leg	4.00	0.0000	136.00	No Ice	1.21	1.21	0.03
			0.00			1/2" Ice	1.89	1.89	0.05
			2.00			1" Ice	2.11	2.11	0.08
						2" Ice	2.57	2.57	0.14
DC9-48-60-24-8C-EV	C	From Leg	4.00	0.0000	136.00	No Ice	1.14	1.14	0.03
			0.00			1/2" Ice	1.79	1.79	0.05
			2.00			1" Ice	2.00	2.00	0.07
						2" Ice	2.45	2.45	0.13
T-Arm Mount [TA 602-3]	C	None		0.0000	136.00	No Ice	13.40	13.40	0.77
						1/2" Ice	16.44	16.44	1.00
						1" Ice	19.70	19.70	1.29
						2" Ice	25.86	25.86	2.05
Commscope VSR-MS-B	A	From Leg	2.00	0.0000	136.00	No Ice	3.33	2.00	0.12
			0.00			1/2" Ice	4.24	2.57	0.17
			2.00			1" Ice	5.15	3.14	0.21
						2" Ice	6.97	4.28	0.29
Commscope VSR-MS-B	B	From Leg	2.00	0.0000	136.00	No Ice	3.33	2.00	0.12
			0.00			1/2" Ice	4.24	2.57	0.17
			2.00			1" Ice	5.15	3.14	0.21
						2" Ice	6.97	4.28	0.29
Commscope VSR-MS-B	C	From Leg	2.00	0.0000	136.00	No Ice	3.33	2.00	0.12
			0.00			1/2" Ice	4.24	2.57	0.17
			2.00			1" Ice	5.15	3.14	0.21

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	6.97	4.28	0.29
2.9" x 13' Pipe	A	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.74 5.07 6.43 8.93	0.00 0.00 0.00 0.00	0.08 0.12 0.16 0.26
2.9" x 13' Pipe	B	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.74 5.07 6.43 8.93	0.00 0.00 0.00 0.00	0.08 0.12 0.16 0.26
2.9" x 13' Pipe	C	From Leg	4.00 0.00 2.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.74 5.07 6.43 8.93	0.00 0.00 0.00 0.00	0.08 0.12 0.16 0.26
127									
SBNHH-1D65B w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
SBNHH-1D65B	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.16 4.57 4.99 5.85	2.49 2.88 3.27 4.09	0.04 0.09 0.15 0.28
SBNHH-1D65B w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
SBNHH-1D65B	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.16 4.57 4.99 5.85	2.49 2.88 3.27 4.09	0.04 0.09 0.15 0.28
SBNHH-1D65B w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
SBNHH-1D65B	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.16 4.57 4.99 5.85	2.49 2.88 3.27 4.09	0.04 0.09 0.15 0.28
MT6407-77A w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
RF4439D-25A	A	From Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
RF4439D-25A	B	From Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.25 1.39 1.54	0.07 0.09 0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	2.59	1.87	0.17
RF4439D-25A	C	From Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
RF4440D-13A	A	From Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RF4440D-13A	B	From Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RF4440D-13A	C	From Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RXXDC-3315-PF-48	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.92 4.18 4.45 5.00	2.61 2.83 3.05 3.53	0.03 0.06 0.10 0.19
RXXDC-3315-PF-48	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.92 4.18 4.45 5.00	2.61 2.83 3.05 3.53	0.03 0.06 0.10 0.19
Platform Mount [LP 303-1_HR-1]	C	None		0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.09 21.47 25.72 33.96	17.09 21.47 25.72 33.96	1.50 1.88 2.35 3.52
(2) 2.375" OD x 5' Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.19 1.50 1.81 2.46	1.19 1.50 1.81 2.46	0.02 0.03 0.04 0.08
(2) 2.375" OD x 5' Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.19 1.50 1.81 2.46	1.19 1.50 1.81 2.46	0.02 0.03 0.04 0.08
(2) 2.375" OD x 5' Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.19 1.50 1.81 2.46	1.19 1.50 1.81 2.46	0.02 0.03 0.04 0.08
Mount Reinforcement Specifications	C	None		0.0000	127.00	No Ice 1/2" Ice 1" Ice 2" Ice	28.63 37.31 45.80 62.38	28.63 37.31 45.80 62.38	0.28 0.67 0.94 1.63
***									
KS24019-L112A	C	From Leg	4.00 0.00 0.00	0.0000	75.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.08 0.13 0.19 0.35	0.08 0.13 0.19 0.35	0.01 0.01 0.01 0.02
Side Arm Mount [SO 701-1]	C	None		0.0000	75.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
***									

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	150 - 123	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.04	2.18	0.30
			Max. Mx	20	-12.09	195.26	-0.88
			Max. My	2	-12.08	-0.61	195.89
			Max. Vy	20	-14.84	195.26	-0.88
			Max. Vx	2	-14.88	-0.61	195.89
			Max. Torque	4			0.97
L2	123 - 85	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.23	2.93	0.14
			Max. Mx	20	-17.84	786.53	-3.69
			Max. My	2	-17.83	-3.31	788.56
			Max. Vy	20	-16.85	786.53	-3.69
			Max. Vx	2	-16.88	-3.31	788.56
			Max. Torque	14			-0.96
L3	85 - 44	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.84	3.65	-0.13
			Max. Mx	20	-26.42	1501.41	-6.69
			Max. My	2	-26.41	-6.17	1504.88
			Max. Vy	20	-18.83	1501.41	-6.69
			Max. Vx	2	-18.87	-6.17	1504.88
			Max. Torque	14			-1.07
L4	44 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.96	4.16	-0.43
			Max. Mx	20	-39.71	2458.56	-10.14
			Max. My	14	-39.71	10.71	-2463.76
			Max. Vy	20	-20.49	2458.56	-10.14
			Max. Vx	14	20.52	10.71	-2463.76
			Max. Torque	14			-1.21

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	36	72.96	6.32	-0.01
	Max. H_x	20	39.73	20.45	-0.07
	Max. H_z	2	39.73	-0.07	20.48
	Max. M_x	2	2463.72	-0.07	20.48
	Max. M_z	8	2457.34	-20.45	0.07
	Max. Torsion	2	1.19	-0.07	20.48
	Min. Vert	23	29.80	17.67	10.18
	Min. H_x	8	39.73	-20.45	0.07
	Min. H_z	14	39.73	0.07	-20.48
	Min. M_x	14	-2463.76	0.07	-20.48
	Min. M_z	20	-2458.56	20.45	-0.07
	Min. Torsion	14	-1.21	0.07	-20.48

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

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
Dead Only	33.11	0.00	0.00	0.02	0.45	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	39.73	0.07	-20.48	-2463.72	-9.54	-1.19
0.9 Dead+1.0 Wind 0 deg - No Ice	29.80	0.07	-20.48	-2412.75	-9.47	-1.18
1.2 Dead+1.0 Wind 30 deg - No Ice	39.73	10.28	-17.77	-2138.67	-1237.11	-0.99
0.9 Dead+1.0 Wind 30 deg - No Ice	29.80	10.28	-17.77	-2094.41	-1211.65	-0.98
1.2 Dead+1.0 Wind 60 deg - No Ice	39.73	17.74	-10.30	-1240.60	-2133.06	-0.52
0.9 Dead+1.0 Wind 60 deg - No Ice	29.80	17.74	-10.30	-1214.92	-2089.07	-0.51
1.2 Dead+1.0 Wind 90 deg - No Ice	39.73	20.45	-0.07	-10.10	-2457.34	0.10
0.9 Dead+1.0 Wind 90 deg - No Ice	29.80	20.45	-0.07	-9.88	-2406.66	0.10
1.2 Dead+1.0 Wind 120 deg - No Ice	39.73	17.67	10.18	1223.17	-2123.03	0.69
0.9 Dead+1.0 Wind 120 deg - No Ice	29.80	17.67	10.18	1197.86	-2079.26	0.69
1.2 Dead+1.0 Wind 150 deg - No Ice	39.73	10.16	17.70	2128.69	-1219.63	1.10
0.9 Dead+1.0 Wind 150 deg - No Ice	29.80	10.16	17.70	2084.63	-1194.56	1.09
1.2 Dead+1.0 Wind 180 deg - No Ice	39.73	-0.07	20.48	2463.76	10.71	1.21
0.9 Dead+1.0 Wind 180 deg - No Ice	29.80	-0.07	20.48	2412.78	10.33	1.20
1.2 Dead+1.0 Wind 210 deg - No Ice	39.73	-10.28	17.77	2138.73	1238.29	0.98
0.9 Dead+1.0 Wind 210 deg - No Ice	29.80	-10.28	17.77	2094.45	1212.51	0.97
1.2 Dead+1.0 Wind 240 deg - No Ice	39.73	-17.74	10.30	1240.66	2134.26	0.50
0.9 Dead+1.0 Wind 240 deg - No Ice	29.80	-17.74	10.30	1214.97	2089.95	0.49
1.2 Dead+1.0 Wind 270 deg - No Ice	39.73	-20.45	0.07	10.14	2458.56	-0.11
0.9 Dead+1.0 Wind 270 deg - No Ice	29.80	-20.45	0.07	9.92	2407.54	-0.11
1.2 Dead+1.0 Wind 300 deg - No Ice	39.73	-17.67	-10.18	-1223.15	2124.24	-0.69
0.9 Dead+1.0 Wind 300 deg - No Ice	29.80	-17.67	-10.18	-1197.84	2080.14	-0.68
1.2 Dead+1.0 Wind 330 deg - No Ice	39.73	-10.16	-17.70	-2128.66	1220.82	-1.08
0.9 Dead+1.0 Wind 330 deg - No Ice	29.80	-10.16	-17.70	-2084.61	1195.42	-1.07
1.2 Dead+1.0 Ice+1.0 Temp	72.96	-0.00	-0.00	0.43	4.16	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	72.96	0.01	-6.33	-814.81	2.48	-0.98
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	72.96	3.17	-5.48	-706.59	-404.46	-0.67
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	72.96	5.48	-3.17	-408.83	-701.86	-0.18
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	72.96	6.32	-0.01	-1.42	-809.96	0.36
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	72.96	5.47	3.15	406.50	-700.01	0.81
1.2 Dead+1.0 Wind 150	72.96	3.15	5.47	705.62	-401.25	1.03

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
deg+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	72.96	-0.01	6.33	815.70	6.18	0.98
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	72.96	-3.17	5.48	707.48	413.13	0.67
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	72.96	-5.48	3.17	409.72	710.54	0.17
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	72.96	-6.32	0.01	2.29	818.64	-0.37
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	72.96	-5.47	-3.15	-405.63	708.69	-0.81
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	72.96	-3.15	-5.47	-704.75	409.92	-1.03
Dead+Wind 0 deg - Service	33.11	0.01	-4.45	-529.13	-1.67	-0.27
Dead+Wind 30 deg - Service	33.11	2.23	-3.86	-459.34	-265.34	-0.22
Dead+Wind 60 deg - Service	33.11	3.85	-2.24	-266.45	-457.77	-0.12
Dead+Wind 90 deg - Service	33.11	4.44	-0.01	-2.15	-527.40	0.02
Dead+Wind 120 deg - Service	33.11	3.84	2.21	262.72	-455.60	0.15
Dead+Wind 150 deg - Service	33.11	2.21	3.84	457.21	-261.58	0.24
Dead+Wind 180 deg - Service	33.11	-0.01	4.45	529.17	2.67	0.27
Dead+Wind 210 deg - Service	33.11	-2.23	3.86	459.38	266.34	0.22
Dead+Wind 240 deg - Service	33.11	-3.85	2.24	266.48	458.78	0.12
Dead+Wind 270 deg - Service	33.11	-4.44	0.01	2.19	528.40	-0.02
Dead+Wind 300 deg - Service	33.11	-3.84	-2.21	-262.69	456.61	-0.15
Dead+Wind 330 deg - Service	33.11	-2.21	-3.84	-457.17	262.58	-0.24

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	-33.11	0.00	0.00	33.11	0.00	0.000%
2	0.07	-39.73	-20.48	-0.07	39.73	20.48	0.000%
3	0.07	-29.80	-20.48	-0.07	29.80	20.48	0.000%
4	10.28	-39.73	-17.77	-10.28	39.73	17.77	0.000%
5	10.28	-29.80	-17.77	-10.28	29.80	17.77	0.000%
6	17.74	-39.73	-10.30	-17.74	39.73	10.30	0.000%
7	17.74	-29.80	-10.30	-17.74	29.80	10.30	0.000%
8	20.45	-39.73	-0.07	-20.45	39.73	0.07	0.000%
9	20.45	-29.80	-0.07	-20.45	29.80	0.07	0.000%
10	17.67	-39.73	10.18	-17.67	39.73	-10.18	0.000%
11	17.67	-29.80	10.18	-17.67	29.80	-10.18	0.000%
12	10.16	-39.73	17.70	-10.16	39.73	-17.70	0.000%
13	10.16	-29.80	17.70	-10.16	29.80	-17.70	0.000%
14	-0.07	-39.73	20.48	0.07	39.73	-20.48	0.000%
15	-0.07	-29.80	20.48	0.07	29.80	-20.48	0.000%
16	-10.28	-39.73	17.77	10.28	39.73	-17.77	0.000%
17	-10.28	-29.80	17.77	10.28	29.80	-17.77	0.000%
18	-17.74	-39.73	10.30	17.74	39.73	-10.30	0.000%
19	-17.74	-29.80	10.30	17.74	29.80	-10.30	0.000%
20	-20.45	-39.73	0.07	20.45	39.73	-0.07	0.000%
21	-20.45	-29.80	0.07	20.45	29.80	-0.07	0.000%
22	-17.67	-39.73	-10.18	17.67	39.73	10.18	0.000%
23	-17.67	-29.80	-10.18	17.67	29.80	10.18	0.000%
24	-10.16	-39.73	-17.70	10.16	39.73	17.70	0.000%
25	-10.16	-29.80	-17.70	10.16	29.80	17.70	0.000%
26	0.00	-72.96	0.00	0.00	72.96	0.00	0.000%
27	0.01	-72.96	-6.33	-0.01	72.96	6.33	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
28	3.17	-72.96	-5.48	-3.17	72.96	5.48	0.000%
29	5.48	-72.96	-3.17	-5.48	72.96	3.17	0.000%
30	6.32	-72.96	-0.01	-6.32	72.96	0.01	0.000%
31	5.47	-72.96	3.15	-5.47	72.96	-3.15	0.000%
32	3.15	-72.96	5.47	-3.15	72.96	-5.47	0.000%
33	-0.01	-72.96	6.33	0.01	72.96	-6.33	0.000%
34	-3.17	-72.96	5.48	3.17	72.96	-5.48	0.000%
35	-5.48	-72.96	3.17	5.48	72.96	-3.17	0.000%
36	-6.32	-72.96	0.01	6.32	72.96	-0.01	0.000%
37	-5.47	-72.96	-3.15	5.47	72.96	3.15	0.000%
38	-3.15	-72.96	-5.47	3.15	72.96	5.47	0.000%
39	0.01	-33.11	-4.45	-0.01	33.11	4.45	0.000%
40	2.23	-33.11	-3.86	-2.23	33.11	3.86	0.000%
41	3.85	-33.11	-2.24	-3.85	33.11	2.24	0.000%
42	4.44	-33.11	-0.01	-4.44	33.11	0.01	0.000%
43	3.84	-33.11	2.21	-3.84	33.11	-2.21	0.000%
44	2.21	-33.11	3.84	-2.21	33.11	-3.84	0.000%
45	-0.01	-33.11	4.45	0.01	33.11	-4.45	0.000%
46	-2.23	-33.11	3.86	2.23	33.11	-3.86	0.000%
47	-3.85	-33.11	2.24	3.85	33.11	-2.24	0.000%
48	-4.44	-33.11	0.01	4.44	33.11	-0.01	0.000%
49	-3.84	-33.11	-2.21	3.84	33.11	2.21	0.000%
50	-2.21	-33.11	-3.84	2.21	33.11	3.84	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	0.00036658
3	Yes	5	0.00000001	0.00017706
4	Yes	7	0.00000001	0.00014241
5	Yes	6	0.00000001	0.00051167
6	Yes	7	0.00000001	0.00014652
7	Yes	6	0.00000001	0.00052764
8	Yes	5	0.00000001	0.00026649
9	Yes	5	0.00000001	0.00012076
10	Yes	7	0.00000001	0.00014400
11	Yes	6	0.00000001	0.00051913
12	Yes	7	0.00000001	0.00014046
13	Yes	6	0.00000001	0.00050537
14	Yes	5	0.00000001	0.00077994
15	Yes	5	0.00000001	0.00036903
16	Yes	7	0.00000001	0.00014783
17	Yes	6	0.00000001	0.00053240
18	Yes	7	0.00000001	0.00014347
19	Yes	6	0.00000001	0.00051560
20	Yes	5	0.00000001	0.00017878
21	Yes	5	0.00000001	0.00007801
22	Yes	7	0.00000001	0.00014176
23	Yes	6	0.00000001	0.00051014
24	Yes	7	0.00000001	0.00014554
25	Yes	6	0.00000001	0.00052472
26	Yes	4	0.00000001	0.00010671
27	Yes	6	0.00014312	0.00072551
28	Yes	7	0.00000001	0.00042336

29	Yes	7	0.00000001	0.00043922
30	Yes	6	0.00014301	0.00069450
31	Yes	7	0.00000001	0.00043823
32	Yes	7	0.00000001	0.00041524
33	Yes	6	0.00014306	0.00072952
34	Yes	7	0.00000001	0.00046015
35	Yes	7	0.00000001	0.00044244
36	Yes	6	0.00014318	0.00070741
37	Yes	7	0.00000001	0.00043352
38	Yes	7	0.00000001	0.00045855
39	Yes	4	0.00000001	0.00049556
40	Yes	5	0.00000001	0.00019643
41	Yes	5	0.00000001	0.00021539
42	Yes	4	0.00000001	0.00038984
43	Yes	5	0.00000001	0.00020724
44	Yes	5	0.00000001	0.00019149
45	Yes	4	0.00000001	0.00052716
46	Yes	5	0.00000001	0.00022243
47	Yes	5	0.00000001	0.00020157
48	Yes	4	0.00000001	0.00038865
49	Yes	5	0.00000001	0.00019796
50	Yes	5	0.00000001	0.00021560

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 123	29.1278	46	1.7270	0.0032
L2	125.75 - 85	20.6185	46	1.5820	0.0024
L3	88.5 - 44	9.9376	46	1.1042	0.0011
L4	48.5 - 0	2.9399	46	0.5620	0.0004

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	AIR6449 B41_T-MOBILE w/ Mount Pipe	46	29.1278	1.7270	0.0032	26108
136.00	DMP65R-BU8D w/ Mount Pipe	46	24.1312	1.6563	0.0027	9324
127.00	SBNHH-1D65B w/ Mount Pipe	46	21.0364	1.5927	0.0024	5744
75.00	KS24019-L112A	46	7.0255	0.9126	0.0008	3933

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 123	135.4514	16	8.0597	0.0141
L2	125.75 - 85	95.9475	16	7.3818	0.0103

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L3	88.5 - 44	46.2860	16	5.1518	0.0049
L4	48.5 - 0	13.6950	16	2.6197	0.0020

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	AIR6449 B41_T-MOBILE w/ Mount Pipe	16	135.4514	8.0597	0.0141	5816
136.00	DMP65R-BU8D w/ Mount Pipe	16	112.2582	7.7292	0.0119	2075
127.00	SBNHH-1D65B w/ Mount Pipe	16	97.8881	7.4318	0.0106	1275
75.00	KS24019-L112A	16	32.7284	4.2571	0.0036	854

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	150 - 123 (1)	TP22.69x17x0.25	27.00	0.00	0.0	17.3463	-12.07	1014.76	0.012
L2	123 - 85 (2)	TP28.36x21.6105x0.375	40.75	0.00	0.0	32.6191	-17.83	1908.22	0.009
L3	85 - 44 (3)	TP36.86x27.0303x0.4063	44.50	0.00	0.0	45.7231	-26.41	2674.80	0.010
L4	44 - 0 (4)	TP42.53x35.0535x0.4375	48.50	0.00	0.0	58.4507	-39.71	3419.37	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	150 - 123 (1)	TP22.69x17x0.25	196.52	577.27	0.340	0.00	577.27	0.000
L2	123 - 85 (2)	TP28.36x21.6105x0.375	791.29	1357.87	0.583	0.00	1357.87	0.000
L3	85 - 44 (3)	TP36.86x27.0303x0.4063	1509.88	2468.18	0.612	0.00	2468.18	0.000
L4	44 - 0 (4)	TP42.53x35.0535x0.4375	2471.34	3738.54	0.661	0.00	3738.54	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	150 - 123 (1)	TP22.69x17x0.25	14.94	304.43	0.049	0.97	582.80	0.002

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L2	123 - 85 (2)	TP28.36x21.6105x0.375	16.94	572.47	0.030	0.84	1373.93	0.001
L3	85 - 44 (3)	TP36.86x27.0303x0.4063	18.92	802.44	0.024	0.91	2491.88	0.000
L4	44 - 0 (4)	TP42.53x35.0535x0.4375	20.57	1025.81	0.020	0.98	3781.39	0.000

Pole Interaction Design Data

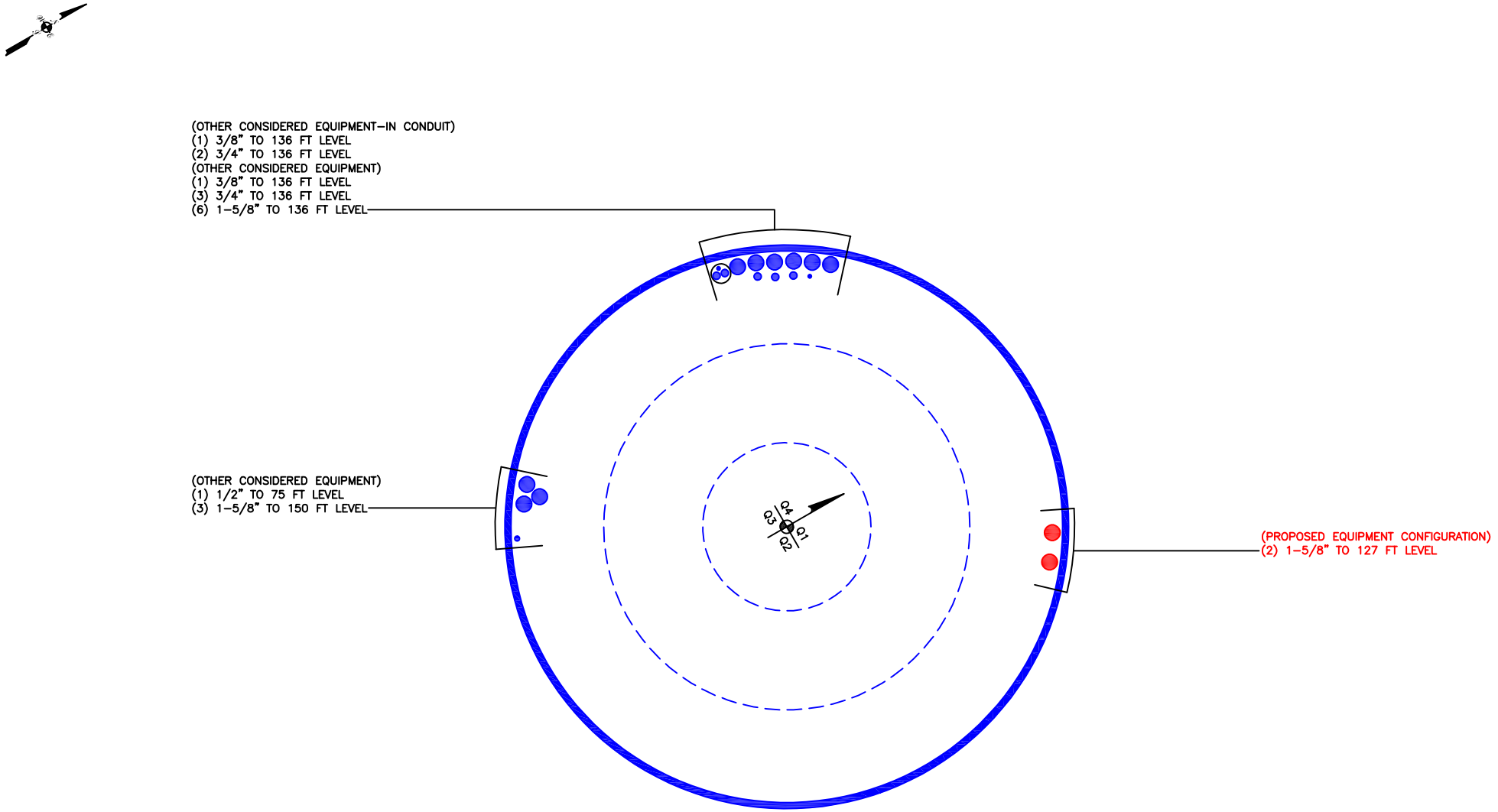
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 123 (1)	0.012	0.340	0.000	0.049	0.002	0.355	1.050	4.8.2
L2	123 - 85 (2)	0.009	0.583	0.000	0.030	0.001	0.593	1.050	4.8.2
L3	85 - 44 (3)	0.010	0.612	0.000	0.024	0.000	0.622	1.050	4.8.2
L4	44 - 0 (4)	0.012	0.661	0.000	0.020	0.000	0.673	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	150 - 123	Pole	TP22.69x17x0.25	1	-12.07	1065.50	33.8	Pass
L2	123 - 85	Pole	TP28.36x21.6105x0.375	2	-17.83	2003.63	56.5	Pass
L3	85 - 44	Pole	TP36.86x27.0303x0.4063	3	-26.41	2808.54	59.3	Pass
L4	44 - 0	Pole	TP42.53x35.0535x0.4375	4	-39.71	3590.34	64.1	Pass
							Summary	
						Pole (L4)	64.1	Pass
						RATING =	**64.1**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT–IN CONDUIT)
(1) 3/8" TO 136 FT LEVEL
(2) 3/4" TO 136 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 3/8" TO 136 FT LEVEL
(3) 3/4" TO 136 FT LEVEL
(6) 1–5/8" TO 136 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 75 FT LEVEL
(3) 1–5/8" TO 150 FT LEVEL
Q4
Q3
Q1
Q2
(PROPOSED EQUIPMENT CONFIGURATION)
(2) 1–5/8" TO 127 FT LEVEL

APPENDIX C

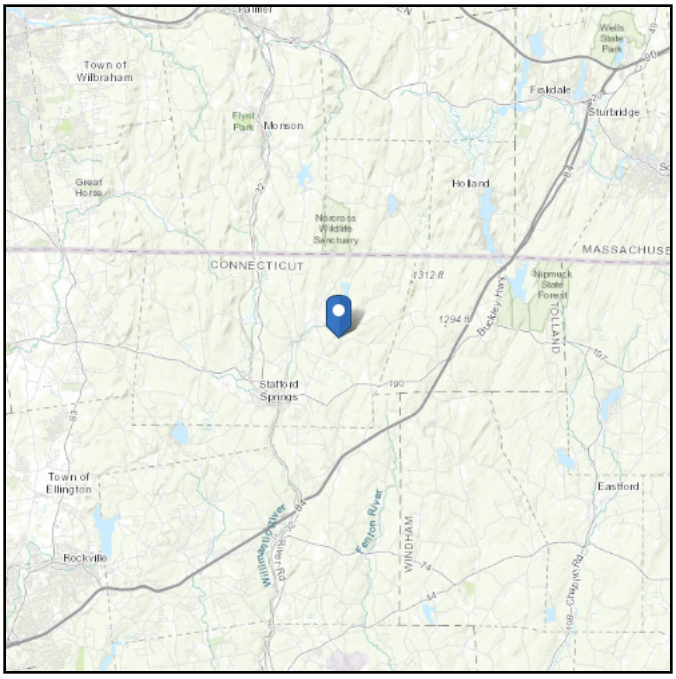
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 962.45 ft (NAVD 88)
Latitude: 41.98705
Longitude: -72.261328



Wind

Results:

Wind Speed:	124 Vmph	125 Mph As Required By Jurisdiction
10-year MRI	77 Vmph	
25-year MRI	87 Vmph	
50-year MRI	94 Vmph	
100-year MRI	101 Vmph	

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

Date Accessed: Fri Sep 03 2021

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

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

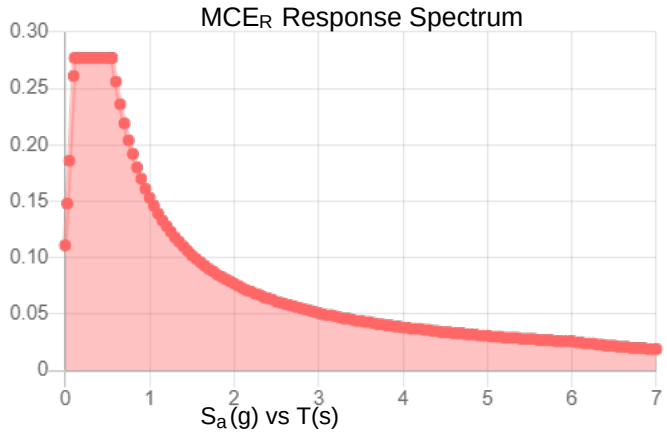
Seismic

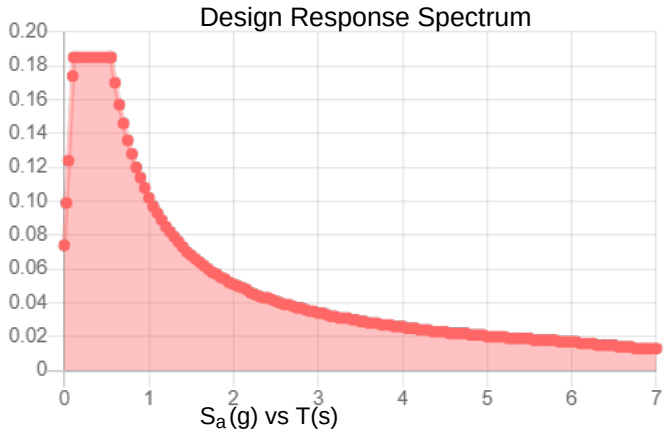
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.173	S_{DS} :	0.185
S_1 :	0.064	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.085
S_{MS} :	0.277	PGA_M :	0.136
S_{M1} :	0.153	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Fri Sep 03 2021

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri Sep 03 2021

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

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

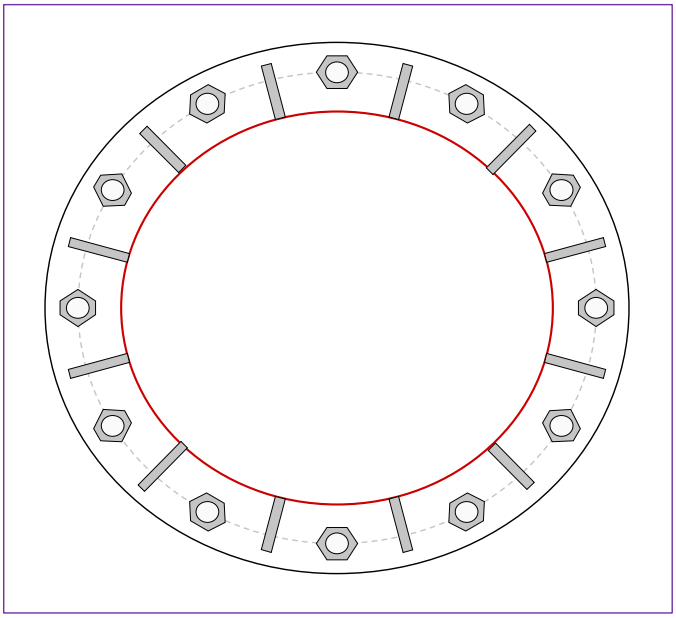
Monopole Base Plate Connection

Site Info	
BU #	876402
Site Name	Stafford/Pragyl/SSUSA
Order #	589220 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.75

Applied Loads	
Moment (kip-ft)	2471.00
Axial Force (kips)	40.00
Shear Force (kips)	21.00

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 51.03" BC

Base Plate Data

57.53" OD x 1.75" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Stiffener Data

(12) 18"H x 6"W x 1"T, Notch: 0.75"
plate: Fy= 50 ksi ; weld: Fy= 80 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.625" fillet
vert. weld: 0.375" fillet

Pole Data

42.53" x 0.4375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_t = 190.2	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.75	ϕVn = 149.1	**74.3%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary		
Max Stress (ksi):	39.36	(Roark's Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**83.3%**	**Pass**

Stiffener Summary		
Horizontal Weld:	**51.7%**	**Pass**
Vertical Weld:	**39.6%**	**Pass**
Plate Flexure+Shear:	**13.1%**	**Pass**
Plate Tension+Shear:	**53.0%**	**Pass**
Plate Compression:	**53.9%**	**Pass**
Pole Summary		
Punching Shear:	**10.5%**	**Pass**

Pier and Pad Foundation

BU # :	876402
Site Name:	Stafford/Pragyl/SSU
App. Number:	589220 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	40	kips
Base Shear, Vu_comp:	21	kips
Moment, M_u:	2471	ft-kips
Tower Height, **H**:	150	ft
BP Dist. Above Fdn, bp_{dist}:	4	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	6	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	26	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	7	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	7	ft
Pad Width, W_1:	22	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	17	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	113	pcf
Ultimate Net Bearing, Qnet:	59.400	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	45	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:	0.5	
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	347.89	21.00	**5.7%**	**Pass**
Bearing Pressure (ksf)	45.14	2.24	**5.0%**	**Pass**
*Overturning (kip*ft)*	5364.35	2635.50	**49.1%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	5170.62	2565.50	**47.3%**	**Pass**
Pier Compression (kip)	17184.96	69.16	**0.4%**	**Pass**
*Pad Flexure (kip*ft)*	2337.11	968.11	**39.5%**	**Pass**
Pad Shear - 1-way (kips)	679.06	162.47	**22.8%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.031	**18.2%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3085.23	1539.30	**47.5%**	**Pass**

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

Structural Rating*:	**47.5%**
Soil Rating*:	**49.1%**

Exhibit E

Mount Analysis

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

Maser Consulting Contact:
Peter.albano@colliersengineering.com
(856) 371-9457

Antenna Mount Analysis Report with Hardware Upgrades

Mount Analysis

SMART Tool Project #: 10039614
GPD Project #: 2021740.468157.01
Maser Project #: 21777133

September 7, 2021

Site Information	*Site ID:*	*468157-VZW / Staffordville East CT*
	Site Name:	*Staffordville East CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*175 Stafford St.* *Stafford, Connecticut 06077* *Tolland County*
	Latitude:	*41.987050°*
	Longitude:	*-72.261328°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.58-Ft Platform*

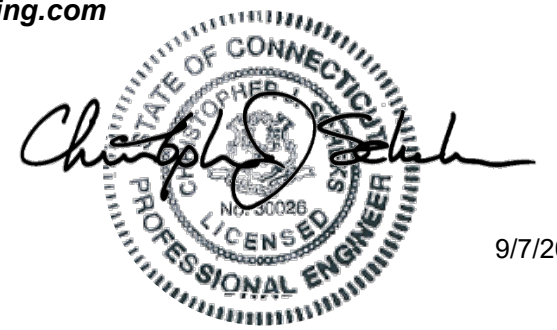
FUZE ID # 16244671

Analysis Results

Platform: **74.4% Pass***
*Results valid after hardware upgrades noted in the PMI Requirements are installed

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Parker Graf
Respectfully Submitted by:



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

9/7/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 1600414, dated August 28, 2021*
Mount Mapping Report	*Hudson Design Group, LLC. Site #: 468157, dated March 25, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.966
Seismic Parameters:	S_S:	0.176 g
	S_1:	0.055 g
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
125.00	127.00	3	Samsung	MT6407-77A	Added
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Andrew	SBNHH-1D65B	Retained
		1	RFS	DB-B1-6C-12AB-0Z	
		1	RFS	DB-B1-6C-12AB-0Z	

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

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

Standard Conditions:

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Toe Rail	14.6 %	Pass
Standoff Arm	39.7 %	Pass
Cross Arm	19.3 %	Pass
Connection Plate (End)	24.9 %	Pass
Connection Plate (Mid)	44.8 %	Pass
Grating Angle	20.1 %	Pass
Support Rail	28.0 %	Pass
Corner Angle	13.0 %	Pass
Pipe Mount	38.0 %	Pass
Mount Connection	74.4%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**74.4%**

Recommendation:

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

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

Attachments:

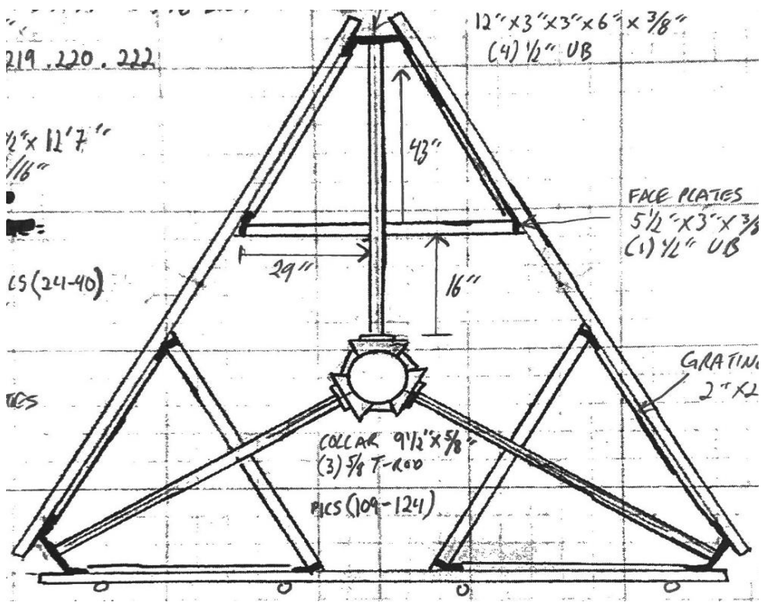
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption Wind Speed Letter

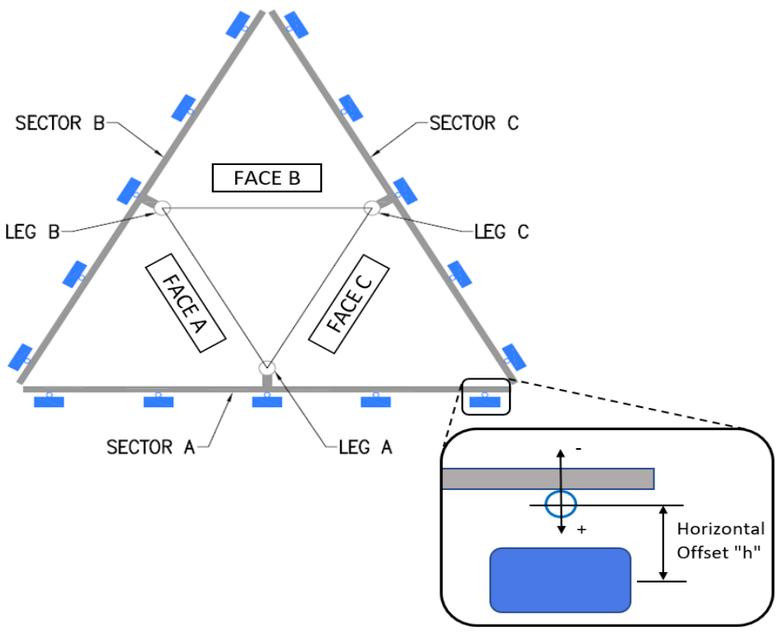
V3.0 Updated on 8-31-2020

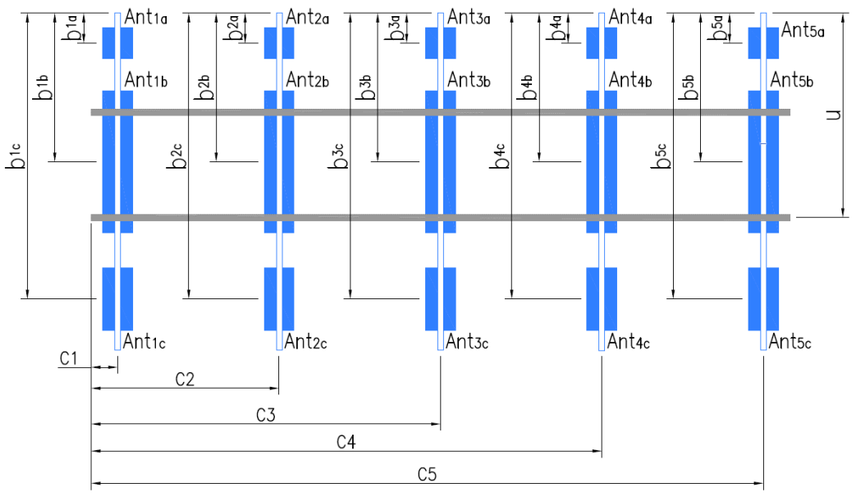
Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/25/2021
Site Name:	STAFFORDVILLE EAST CT	**Tower Type:**	Monopole
Site Number or ID:	468157	**Tower Height (Ft.):**	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	126.5

FCC #







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	46.00	16.00	C1	2" STD. PIPE X 72" LONG	46.00	16.00
A2	2" STD. PIPE X 72" LONG	46.00	52.00	C2	2" STD. PIPE X 72" LONG	46.00	52.00
A3	2" STD. PIPE X 72" LONG	46.00	97.00	C3	2" STD. PIPE X 72" LONG	46.00	97.00
A4	2" STD. PIPE X 72" LONG	46.00	133.00	C4	2" STD. PIPE X 72" LONG	46.00	133.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	46.00	16.00	D1			
B2	2" STD. PIPE X 72" LONG	46.00	52.00	D2			
B3	2" STD. PIPE X 72" LONG	46.00	97.00	D3			
B4	2" STD. PIPE X 72" LONG	46.00	133.00	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.) :	4
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

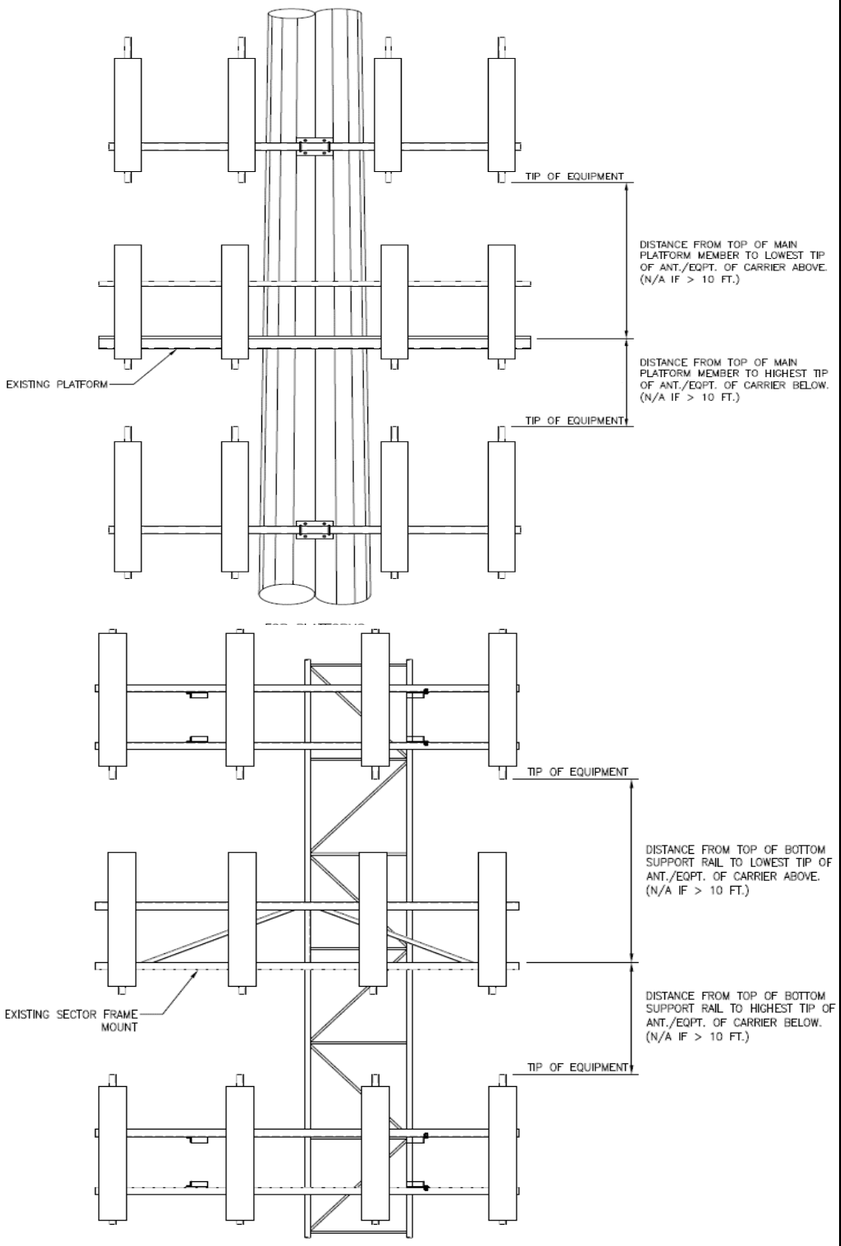
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	21.5

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.00	26.00		128.833	18.00	-9.00		59,86
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		128.5	22.00	10.50	0.00	59,85
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.50	20.50		128.75	19.00	-7.00		61,88
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	10.00	Deg	Leg A:		Deg
Sector B:	130.00	Deg	Leg B:		Deg
Sector C:	250.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	45.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.00	26.00		128.833	18.00	-9.00		64,86
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		128.5	22.00	10.50	125.00	64,85
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.50	20.50		128.75	19.00	-7.00		66,88
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	OVP	15.00	10.00	28.00			34.00			92-107
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector C										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B66a RRH 4X45	12.00	7.00	26.00		128.833	18.00	-9.00		67,86
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		128.5	22.00	10.50	255.00	67,85
Ant_{2c}										
Ant_{3a}	B13 RRH 4X30	12.00	7.50	20.50		128.75	19.00	-7.00		68,88
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	OVP	15.00	10.00	28.00			34.00			92-107
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	(2) 1-1/4"Ø HYBRID	57
3	MONOPOLE WALL THICKNESS: 0.193", 0.190", 0.199"	
4		
5		
6		
7		
8		

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

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

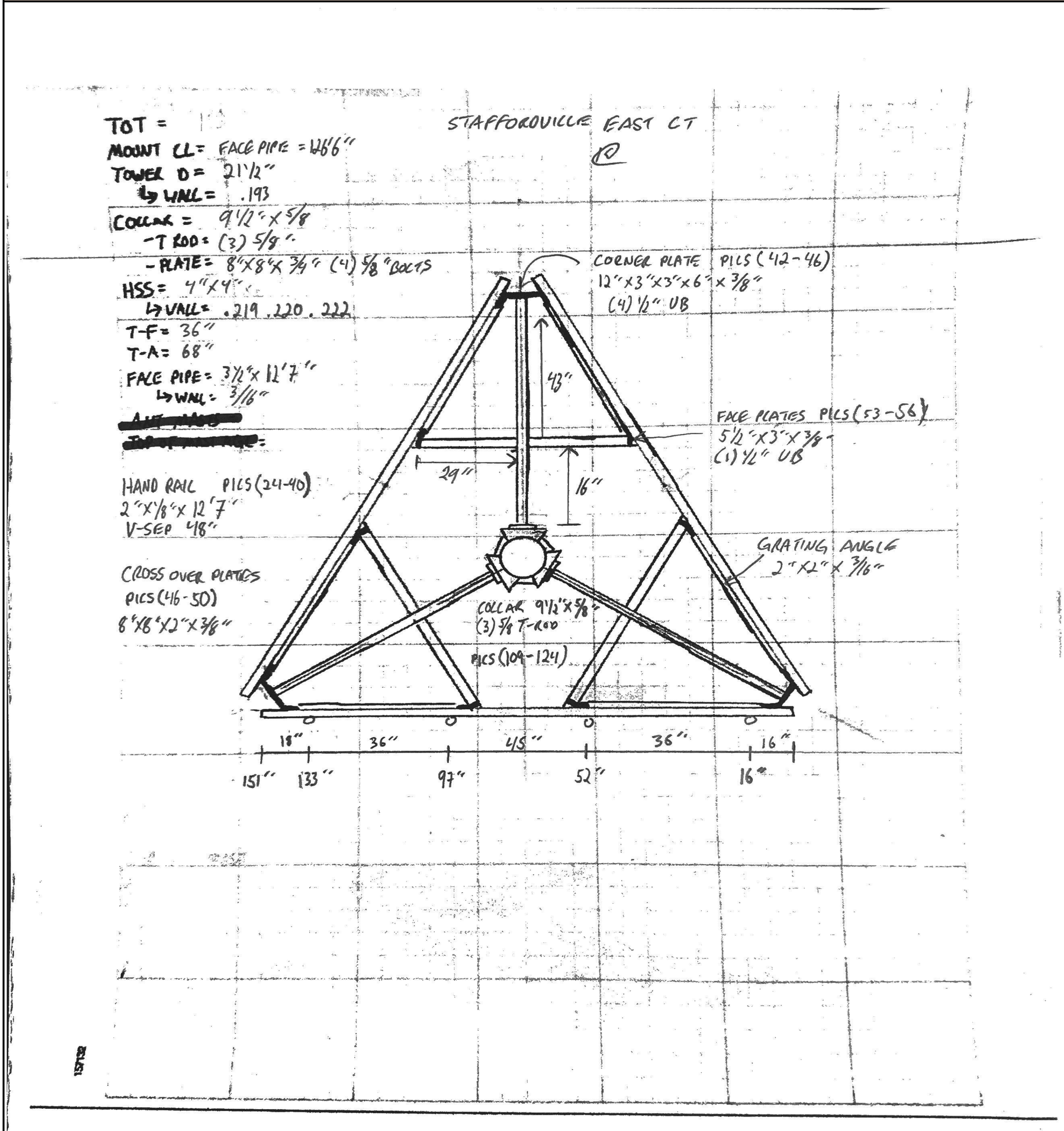
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

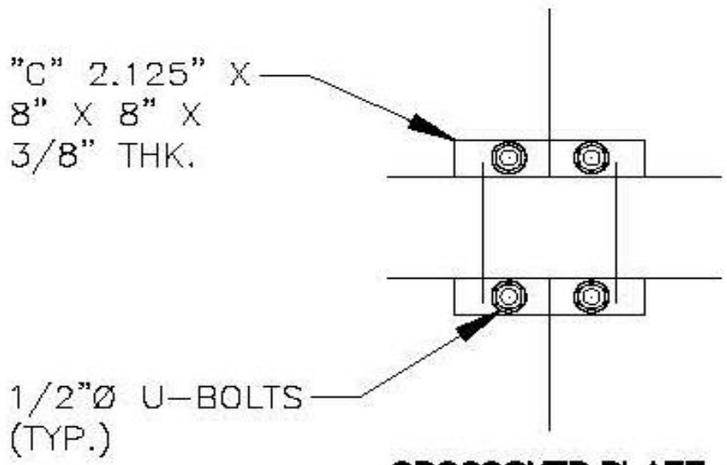
FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/25/2021
Site Name:	STAFFORDVILLE EAST CT	**Tower Type:**	Monopole
Site Number or ID:	468157	**Tower Height (Ft.):**	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	126.5

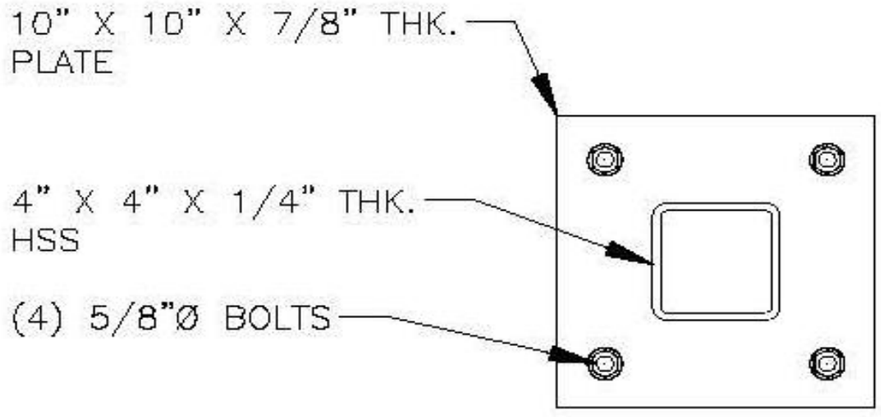
Please Insert Sketches of the Antenna Mount



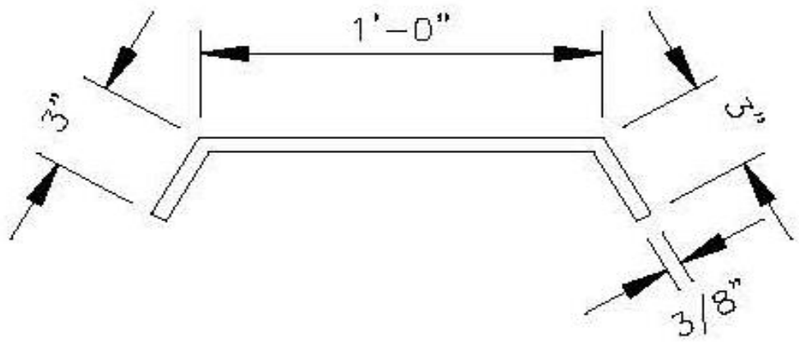
Please Insert Sketches of the Antenna Mount, cont'd



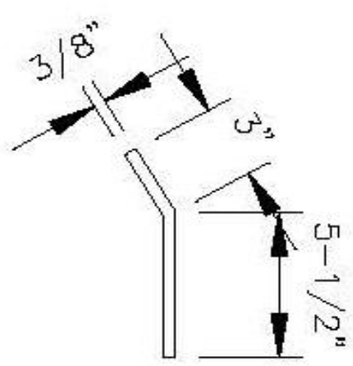
CROSSOVER PLATE
DETAIL (PLATFORM)



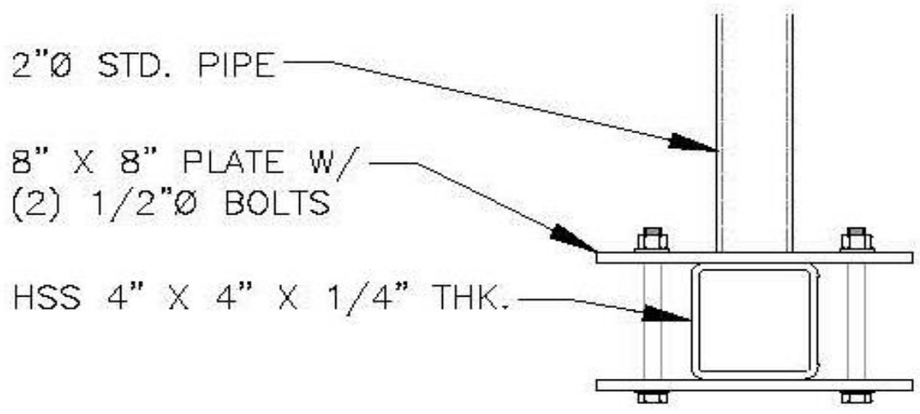
DETAIL M



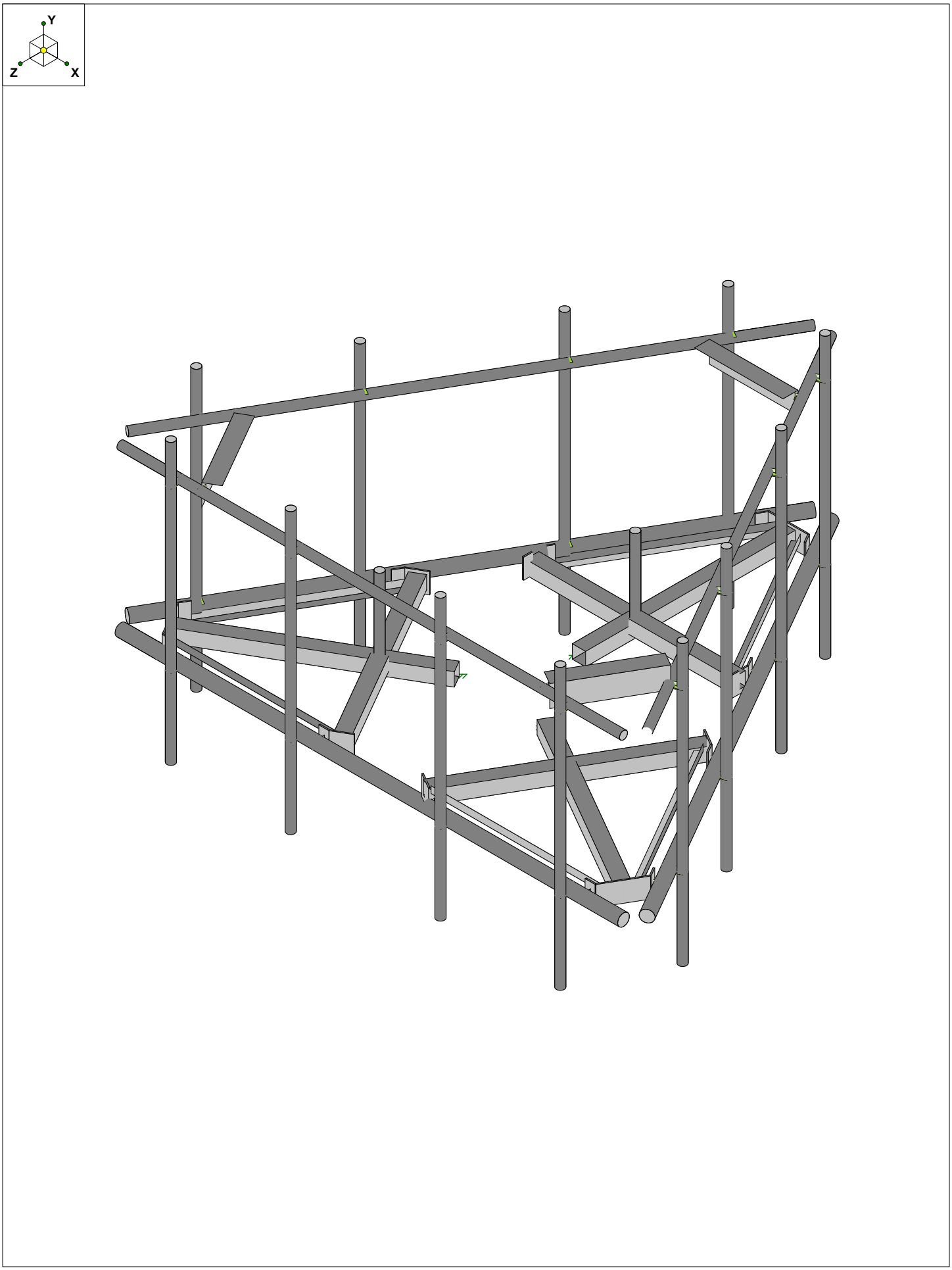
DETAIL J

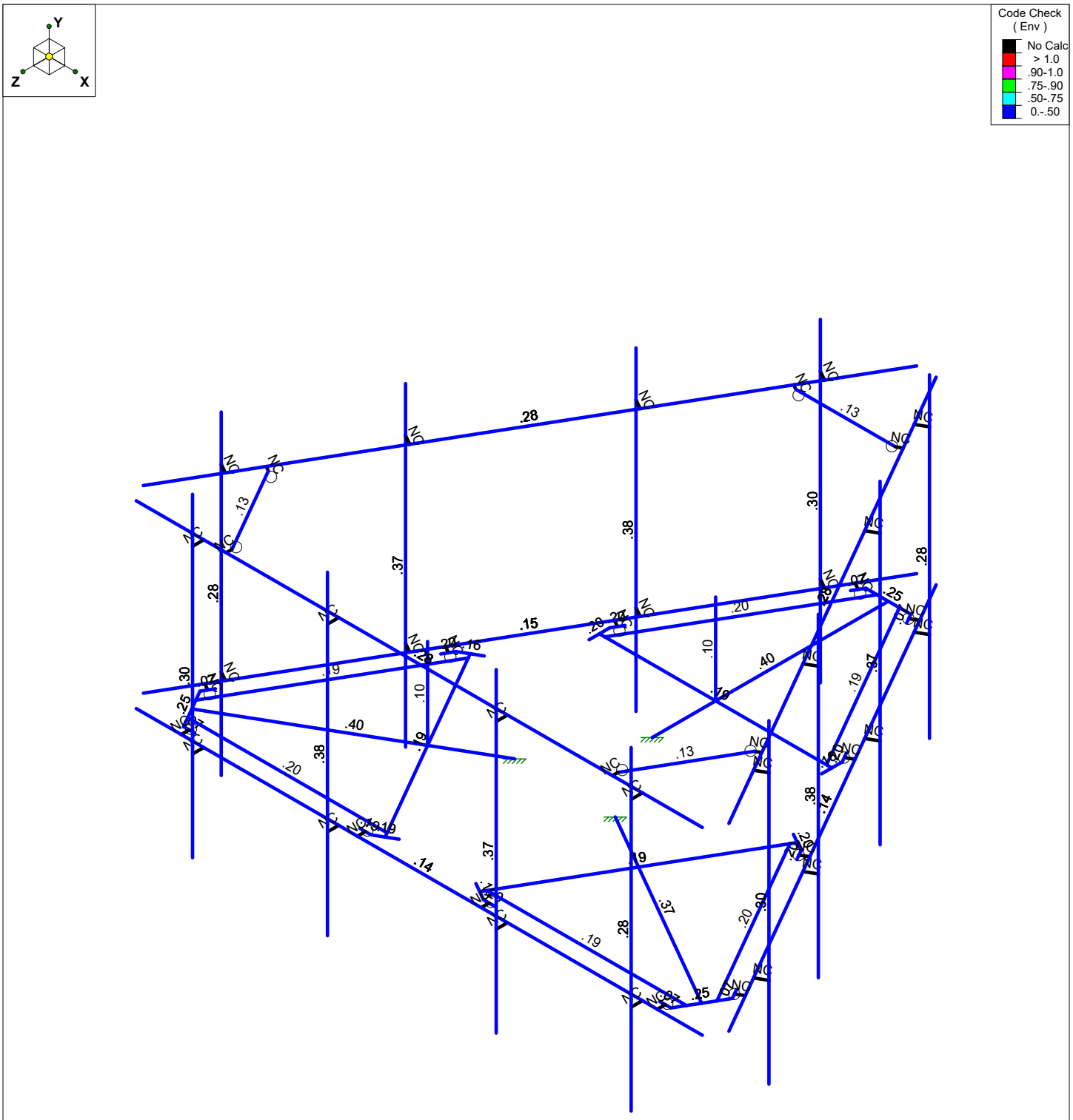


DETAIL K

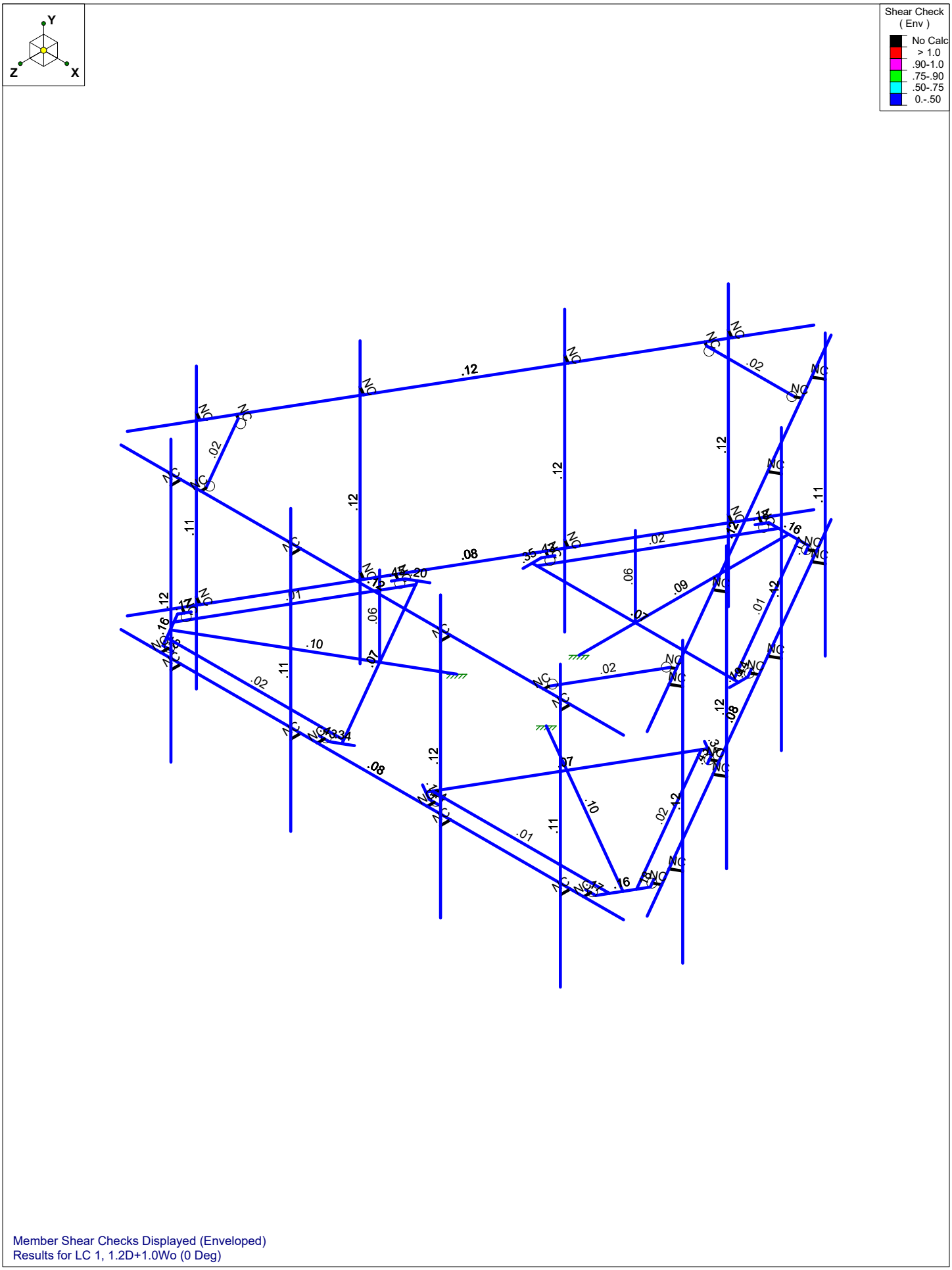


S.O. MOUNT DETAIL


Y
Z
X



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 De...	None					102			
32	Antenna Wm (150 De...	None					102			
33	Antenna Wm (180 De...	None					102			
34	Antenna Wm (210 De...	None					102			
35	Antenna Wm (240 De...	None					102			
36	Antenna Wm (270 De...	None					102			
37	Antenna Wm (300 De...	None					102			
38	Antenna Wm (330 De...	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						56	3	
41	Structure Wo (0 Deg)	None						112		
42	Structure Wo (30 Deg)	None						112		
43	Structure Wo (60 Deg)	None						112		
44	Structure Wo (90 Deg)	None						112		
45	Structure Wo (120 D...	None						112		
46	Structure Wo (150 D...	None						112		
47	Structure Wo (180 D...	None						112		
48	Structure Wo (210 D...	None						112		
49	Structure Wo (240 D...	None						112		
50	Structure Wo (270 D...	None						112		
51	Structure Wo (300 D...	None						112		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						112		
53	Structure Wi (0 Deg)	None						112		
54	Structure Wi (30 Deg)	None						112		
55	Structure Wi (60 Deg)	None						112		
56	Structure Wi (90 Deg)	None						112		
57	Structure Wi (120 De...	None						112		
58	Structure Wi (150 De...	None						112		
59	Structure Wi (180 De...	None						112		
60	Structure Wi (210 De...	None						112		
61	Structure Wi (240 De...	None						112		
62	Structure Wi (270 De...	None						112		
63	Structure Wi (300 De...	None						112		
64	Structure Wi (330 De...	None						112		
65	Structure Wm (0 Deg)	None						112		
66	Structure Wm (30 D...	None						112		
67	Structure Wm (60 D...	None						112		
68	Structure Wm (90 D...	None						112		
69	Structure Wm (120 ...	None						112		
70	Structure Wm (150 ...	None						112		
71	Structure Wm (180 ...	None						112		
72	Structure Wm (210 ...	None						112		
73	Structure Wm (240 ...	None						112		
74	Structure Wm (270 ...	None						112		
75	Structure Wm (300 ...	None						112		
76	Structure Wm (330 ...	None						112		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						51		
82	BLC 40 Transient Are...	None						51		

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	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 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1												
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1												
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1												
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1												

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0Wm (120 De..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0Wm (150 De..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0Wm (180 De..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0Wm (210 De..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0Wm (240 De..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0Wm (270 De..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0Wm (300 De..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0Wm (330 De..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1.0Wm (120 De..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1.0Wm (150 De..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1.0Wm (180 De..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1.0Wm (210 De..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1.0Wm (240 De..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1.0Wm (270 De..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1.0Wm (300 De..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1.0Wm (330 De..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Yes	Y		1	1.4	39	1.4																		
52	Seismic Mass		Y		1	1	39	1																		
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1												
54	1.2D + 1.0Ev + 1.0Eh (30 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...												
55	1.2D + 1.0Ev + 1.0Eh (60 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5												
56	1.2D + 1.0Ev + 1.0Eh (90 Deg)		Y		1	1.2	39	1.2	SX	1	SY	1	SZ													
57	1.2D + 1.0Ev + 1.0Eh (120 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5												
58	1.2D + 1.0Ev + 1.0Eh (150 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866												
59	1.2D + 1.0Ev + 1.0Eh (180 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	1												
60	1.2D + 1.0Ev + 1.0Eh (210 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866												
61	1.2D + 1.0Ev + 1.0Eh (240 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5												
62	1.2D + 1.0Ev + 1.0Eh (270 Deg)		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ													
63	1.2D + 1.0Ev + 1.0Eh (300 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5												
64	1.2D + 1.0Ev + 1.0Eh (330 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...												

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-6.291667	0	3.881748	0	
2	N2	6.291667	0	3.881748	0	
3	N3	-0.215859	0	-7.389617	0	
4	N4	-6.507525	0	3.507869	0	
5	N5	6.507525	0	3.507869	0	
6	N6	0.215859	0	-7.389617	0	
7	N7	-5.854167	0	2.730386	0	
8	N8	-6.007525	0	2.641844	0	
9	N9	-5.291667	0	3.704664	0	
10	N10	-5.291667	0	3.881748	0	
11	N11	-1.375	0	3.704664	0	
12	N12	-1.375	0	3.881748	0	
13	N13	1.375	0	3.704664	0	
14	N14	1.375	0	3.881748	0	
15	N15	5.291667	0	3.704664	0	
16	N16	5.291667	0	3.881748	0	
17	N17	5.854167	0	2.730386	0	
18	N18	6.007525	0	2.641844	0	
19	N19	3.895833	0	-0.661547	0	
20	N20	4.049192	0	-0.750089	0	
21	N21	-3.895833	0	-0.661547	0	
22	N22	-4.049192	0	-0.750089	0	
23	N23	-2.520833	0	-3.043117	0	
24	N24	-2.674192	0	-3.131659	0	
25	N25	2.520833	0	-3.043117	0	
26	N26	2.674192	0	-3.131659	0	
27	N27	-0.5625	0	-6.43505	0	
28	N28	-0.715859	0	-6.523592	0	
29	N29	0.5625	0	-6.43505	0	
30	N30	0.715859	0	-6.523592	0	
31	N31	1.120033	0	0.646652	0	
32	N32	5.666667	0	3.271652	0	
33	N33	-1.120033	0	0.646652	0	
34	N34	-5.666667	0	3.271652	0	
35	N35	-0.	0	-1.293303	0	
36	N36	-0.	0	-6.543303	0	
37	N37	-1.051536	0	3.590081	0	
38	N38	-3.634869	0	-0.884384	0	
39	N39	-2.583333	0	-2.705697	0	
40	N40	2.583333	0	-2.705697	0	
41	N41	3.634869	0	-0.884384	0	
42	N42	1.051536	0	3.590081	0	
43	N43	.625	0	-6.326797	0	
44	N44	.5	0	-6.543303	0	
45	N45	-.625	0	-6.326797	0	
46	N46	-.5	0	-6.543303	0	
47	N47	-5.791667	0	2.622132	0	
48	N48	-5.916667	0	2.838639	0	
49	N49	-5.166667	0	3.704664	0	
50	N50	-5.416667	0	3.704664	0	
51	N51	5.791667	0	2.622132	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N52	5.916667	0	2.838639	0	
53	N53	5.166667	0	3.704664	0	
54	N54	5.416667	0	3.704664	0	
55	N55	2.583333	0	-2.476531	0	
56	N56	2.583333	0	-2.934864	0	
57	N57	2.458333	0	-3.15137	0	
58	N58	3.436405	0	-0.998967	0	
59	N59	3.833333	0	-0.7698	0	
60	N60	3.958333	0	-0.553294	0	
61	N61	0.853072	0	3.475498	0	
62	N62	1.25	0	3.704664	0	
63	N63	1.5	0	3.704664	0	
64	N64	-0.853072	0	3.475498	0	
65	N65	-1.25	0	3.704664	0	
66	N66	-1.5	0	3.704664	0	
67	N67	-3.436405	0	-0.998967	0	
68	N68	-3.833333	0	-0.7698	0	
69	N69	-3.958333	0	-0.553294	0	
70	N70	-2.583333	0	-2.476531	0	
71	N71	-2.583333	0	-2.934864	0	
72	N72	-2.458333	0	-3.15137	0	
73	N73	-0.247409	0	-6.543303	0	
74	N74	-2.463052	0	-2.705697	0	
75	N75	0.247409	0	-6.543303	0	
76	N76	2.463052	0	-2.705697	0	
77	N77	5.790371	0	3.057389	0	
78	N78	3.574729	0	-0.780217	0	
79	N79	5.542962	0	3.485914	0	
80	N80	1.111676	0	3.485914	0	
81	N81	-5.542962	0	3.485914	0	
82	N82	-1.111676	0	3.485914	0	
83	N83	-5.790371	0	3.057389	0	
84	N84	-3.574729	0	-0.780217	0	
85	N85	-6.291667	4	3.881748	0	
86	N86	6.291667	4	3.881748	0	
87	N87	-0.215859	4	-7.389617	0	
88	N88	-6.507525	4	3.507869	0	
89	N89	6.507525	4	3.507869	0	
90	N90	0.215859	4	-7.389617	0	
91	N91	-0.	0	-2.705697	0	
92	N92	-2.343203	0	1.352849	0	
93	N93	2.343203	0	1.352849	0	
94	N94	4.958333	0	3.881748	0	
95	N95	4.958333	4	3.881748	0	
96	N96	1.958333	0	3.881748	0	
97	N97	1.958333	4	3.881748	0	
98	N98	-1.791667	0	3.881748	0	
99	N99	-1.791667	4	3.881748	0	
100	N100	-4.791667	0	3.881748	0	
101	N101	-4.791667	4	3.881748	0	
102	N102	4.958333	0	4.131748	0	
103	N104	1.958333	0	4.131748	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N106	-1.791667	0	4.131748	0	
105	N108	-4.791667	0	4.131748	0	
106	N106A	4.958333	5	4.131748	0	
107	N107	1.958333	5	4.131748	0	
108	N108A	-1.791667	5	4.131748	0	
109	N109	-4.791667	5	4.131748	0	
110	N110	4.958333	-2	4.131748	0	
111	N111	1.958333	-2	4.131748	0	
112	N112	-1.791667	-2	4.131748	0	
113	N113	-4.791667	-2	4.131748	0	
114	N118	-5.840859	0	2.353169	0	
115	N120	-4.340859	0	-0.244907	0	
116	N122	-2.465859	0	-3.492503	0	
117	N124	-0.965859	0	-6.090579	0	
118	N126	-6.057365	0	2.228169	0	
119	N127	-4.557365	0	-0.369907	0	
120	N128	-2.682365	0	-3.617503	0	
121	N129	-1.182365	0	-6.215579	0	
122	N130	-6.057365	5	2.228169	0	
123	N131	-4.557365	5	-0.369907	0	
124	N132	-2.682365	5	-3.617503	0	
125	N133	-1.182365	5	-6.215579	0	
126	N134	-6.057365	-2	2.228169	0	
127	N135	-4.557365	-2	-0.369907	0	
128	N136	-2.682365	-2	-3.617503	0	
129	N137	-1.182365	-2	-6.215579	0	
130	N142	0.882525	0	-6.234916	0	
131	N144	2.382525	0	-3.63684	0	
132	N146	4.257525	0	-0.389245	0	
133	N148	5.757525	0	2.208831	0	
134	N150	1.099032	0	-6.359916	0	
135	N151	2.599032	0	-3.76184	0	
136	N152	4.474032	0	-0.514245	0	
137	N153	5.974032	0	2.083831	0	
138	N154	1.099032	5	-6.359916	0	
139	N155	2.599032	5	-3.76184	0	
140	N156	4.474032	5	-0.514245	0	
141	N157	5.974032	5	2.083831	0	
142	N158	1.099032	-2	-6.359916	0	
143	N159	2.599032	-2	-3.76184	0	
144	N160	4.474032	-2	-0.514245	0	
145	N161	5.974032	-2	2.083831	0	
146	N166	-4.291667	4	3.881748	0	
147	N167	4.291667	4	3.881748	0	
148	N172	-0.	2	-2.705697	0	
149	N173	-2.343203	2	1.352849	0	
150	N170	-4.291667	4	3.756748	0	
151	N171	4.291667	4	3.756748	0	
152	N172A	-1.215859	4	-5.657566	0	
153	N173A	-5.507525	4	1.775819	0	
154	N174	-1.107605	4	-5.595066	0	
155	N175	-5.399272	4	1.838319	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N176	5.507525	4	1.775819	0	
157	N177	1.215859	4	-5.657566	0	
158	N178	5.399272	4	1.838319	0	
159	N179	1.107605	4	-5.595066	0	
160	N160A	4.958333	4	4.131748	0	
161	N161A	1.958333	4	4.131748	0	
162	N162	-1.791667	4	4.131748	0	
163	N163	-4.791667	4	4.131748	0	
164	N164	-5.840859	4	2.353169	0	
165	N165	-4.340859	4	-0.244907	0	
166	N166A	-2.465859	4	-3.492503	0	
167	N167A	-0.965859	4	-6.090579	0	
168	N168	-6.057365	4	2.228169	0	
169	N169	-4.557365	4	-0.369907	0	
170	N170A	-2.682365	4	-3.617503	0	
171	N171A	-1.182365	4	-6.215579	0	
172	N172B	0.882525	4	-6.234916	0	
173	N173B	2.382525	4	-3.63684	0	
174	N174A	4.257525	4	-0.389245	0	
175	N175A	5.757525	4	2.208831	0	
176	N176A	1.099032	4	-6.359916	0	
177	N177A	2.599032	4	-3.76184	0	
178	N178A	4.474032	4	-0.514245	0	
179	N179A	5.974032	4	2.083831	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff Arm	HSS4X4X4	None	None	A500 Gr.B RE...	Typical	3.37	7.8	7.8	12.8
2	Cross Arm	HSS4X4X4	None	None	A500 Gr.B RE...	Typical	3.37	7.8	7.8	12.8
3	Grating Angle	L2x2x3	None	None	A36 Gr.36	Typical	.722	.271	.271	.009
4	Toe Rail	PIPE_3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
5	Support Rail	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Connection Plate (End)	PL3/8x6	None	None	A36 Gr.36	Typical	2.25	.026	6.75	.101
7	Connection Plate (Mid)	PL3/8x6	None	None	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Pipe Mount	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Corner Angle	L6.5x4.5x4	None	None	A36 Gr.36	Typical	2.688	4.86	12.001	.054

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B RECT	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A500 Gr.C RND	29000	11154	.3	.65	.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	.3	.65	.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
9	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Toe Rail	None	None	A53 Gr.B	Typical
2	M2	N3	N4			Toe Rail	None	None	A53 Gr.B	Typical
3	M3	N5	N6			Toe Rail	None	None	A53 Gr.B	Typical
4	M4	N7	N8			RIGID	None	None	RIGID	Typical
5	M5	N9	N10			RIGID	None	None	RIGID	Typical
6	M6	N11	N12			RIGID	None	None	RIGID	Typical
7	M7	N13	N14			RIGID	None	None	RIGID	Typical
8	M8	N15	N16			RIGID	None	None	RIGID	Typical
9	M9	N17	N18			RIGID	None	None	RIGID	Typical
10	M10	N19	N20			RIGID	None	None	RIGID	Typical
11	M11	N21	N22			RIGID	None	None	RIGID	Typical
12	M12	N23	N24			RIGID	None	None	RIGID	Typical
13	M13	N25	N26			RIGID	None	None	RIGID	Typical
14	M14	N27	N28			RIGID	None	None	RIGID	Typical
15	M15	N29	N30			RIGID	None	None	RIGID	Typical
16	M16	N31	N32			Standoff Arm	None	None	A500 Gr.B...	Typical
17	M17	N33	N34			Standoff Arm	None	None	A500 Gr.B...	Typical
18	M18	N35	N36			Standoff Arm	None	None	A500 Gr.B...	Typical
19	M19	N37	N38			Cross Arm	None	None	A500 Gr.B...	Typical
20	M20	N39	N40			Cross Arm	None	None	A500 Gr.B...	Typical
21	M21	N41	N42			Cross Arm	None	None	A500 Gr.B...	Typical
22	M22	N43	N44			Connection Pla...	None	None	A36 Gr.36	Typical
23	M23	N45	N46			Connection Pla...	None	None	A36 Gr.36	Typical
24	M24	N46	N44			Connection Pla...	None	None	A36 Gr.36	Typical
25	M25	N47	N48			Connection Pla...	None	None	A36 Gr.36	Typical
26	M26	N49	N50			Connection Pla...	None	None	A36 Gr.36	Typical
27	M27	N50	N48			Connection Pla...	None	None	A36 Gr.36	Typical
28	M28	N51	N52			Connection Pla...	None	None	A36 Gr.36	Typical
29	M29	N53	N54			Connection Pla...	None	None	A36 Gr.36	Typical
30	M30	N54	N52			Connection Pla...	None	None	A36 Gr.36	Typical
31	M31	N55	N56			Connection Pla...	None	None	A36 Gr.36	Typical
32	M32	N56	N57			Connection Pla...	None	None	A36 Gr.36	Typical
33	M33	N58	N59			Connection Pla...	None	None	A36 Gr.36	Typical
34	M34	N59	N60			Connection Pla...	None	None	A36 Gr.36	Typical
35	M35	N61	N62			Connection Pla...	None	None	A36 Gr.36	Typical
36	M36	N62	N63			Connection Pla...	None	None	A36 Gr.36	Typical
37	M37	N64	N65			Connection Pla...	None	None	A36 Gr.36	Typical
38	M38	N65	N66			Connection Pla...	None	None	A36 Gr.36	Typical
39	M39	N67	N68			Connection Pla...	None	None	A36 Gr.36	Typical
40	M40	N68	N69			Connection Pla...	None	None	A36 Gr.36	Typical
41	M41	N70	N71			Connection Pla...	None	None	A36 Gr.36	Typical
42	M42	N71	N72			Connection Pla...	None	None	A36 Gr.36	Typical
43	M43	N73	N74		270	Grating Angle	None	None	A36 Gr.36	Typical
44	M44	N75	N76			Grating Angle	None	None	A36 Gr.36	Typical
45	M45	N77	N78		270	Grating Angle	None	None	A36 Gr.36	Typical
46	M46	N79	N80			Grating Angle	None	None	A36 Gr.36	Typical
47	M47	N81	N82		270	Grating Angle	None	None	A36 Gr.36	Typical
48	M48	N83	N84			Grating Angle	None	None	A36 Gr.36	Typical
49	M49	N85	N86			Support Rail	None	None	A53 Gr.B	Typical
50	M50	N87	N88			Support Rail	None	None	A53 Gr.B	Typical
51	M51	N89	N90			Support Rail	None	None	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
52	M53	N100	N108			RIGID	None	None	RIGID	Typical
53	M54	N98	N106			RIGID	None	None	RIGID	Typical
54	M55	N96	N104			RIGID	None	None	RIGID	Typical
55	M56	N94	N102			RIGID	None	None	RIGID	Typical
56	M64	N124	N129			RIGID	None	None	RIGID	Typical
57	M65	N122	N128			RIGID	None	None	RIGID	Typical
58	M66	N120	N127			RIGID	None	None	RIGID	Typical
59	M67	N118	N126			RIGID	None	None	RIGID	Typical
60	M76	N148	N153			RIGID	None	None	RIGID	Typical
61	M77	N146	N152			RIGID	None	None	RIGID	Typical
62	M78	N144	N151			RIGID	None	None	RIGID	Typical
63	M79	N142	N150			RIGID	None	None	RIGID	Typical
64	M90	N170	N166			RIGID	None	None	RIGID	Typical
65	M91	N171	N167			RIGID	None	None	RIGID	Typical
66	M92	N174	N172A			RIGID	None	None	RIGID	Typical
67	M93	N175	N173A			RIGID	None	None	RIGID	Typical
68	M94	N178	N176			RIGID	None	None	RIGID	Typical
69	M95	N179	N177			RIGID	None	None	RIGID	Typical
70	M96	N175	N170		180	Corner Angle	None	None	A36 Gr.36	Typical
71	M97	N179	N174		180	Corner Angle	None	None	A36 Gr.36	Typical
72	M98	N171	N178		180	Corner Angle	None	None	A36 Gr.36	Typical
73	MP1A	N106A	N110			Pipe Mount	None	None	A53 Gr.B	Typical
74	MP1B	N130	N134			Pipe Mount	None	None	A53 Gr.B	Typical
75	MP1C	N154	N158			Pipe Mount	None	None	A53 Gr.B	Typical
76	MP2A	N107	N111			Pipe Mount	None	None	A53 Gr.B	Typical
77	MP2B	N131	N135			Pipe Mount	None	None	A53 Gr.B	Typical
78	MP2C	N155	N159			Pipe Mount	None	None	A53 Gr.B	Typical
79	MP3A	N108A	N112			Pipe Mount	None	None	A53 Gr.B	Typical
80	MP3B	N132	N136			Pipe Mount	None	None	A53 Gr.B	Typical
81	MP3C	N156	N160			Pipe Mount	None	None	A53 Gr.B	Typical
82	MP4A	N109	N113			Pipe Mount	None	None	A53 Gr.B	Typical
83	MP4B	N133	N137			Pipe Mount	None	None	A53 Gr.B	Typical
84	MP4C	N157	N161			Pipe Mount	None	None	A53 Gr.B	Typical
85	OVPB	N173	N92			Pipe Mount	None	None	A53 Gr.B	Typical
86	OVPC	N172	N91			Pipe Mount	None	None	A53 Gr.B	Typical
87	M87	N101	N163			RIGID	None	None	RIGID	Typical
88	M88	N99	N162			RIGID	None	None	RIGID	Typical
89	M89	N97	N161A			RIGID	None	None	RIGID	Typical
90	M90A	N95	N160A			RIGID	None	None	RIGID	Typical
91	M91A	N167A	N171A			RIGID	None	None	RIGID	Typical
92	M92A	N166A	N170A			RIGID	None	None	RIGID	Typical
93	M93A	N165	N169			RIGID	None	None	RIGID	Typical
94	M94A	N164	N168			RIGID	None	None	RIGID	Typical
95	M95A	N175A	N179A			RIGID	None	None	RIGID	Typical
96	M96A	N174A	N178A			RIGID	None	None	RIGID	Typical
97	M97A	N173B	N177A			RIGID	None	None	RIGID	Typical
98	M98A	N172B	N176A			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4		BenPIN				Yes	** NA **			None
5	M5		BenPIN				Yes	** NA **			None
6	M6		BenPIN				Yes	** NA **			None
7	M7		BenPIN				Yes	** NA **			None
8	M8		BenPIN				Yes	** NA **			None
9	M9		BenPIN				Yes	** NA **			None
10	M10		BenPIN				Yes	** NA **			None
11	M11		BenPIN				Yes	** NA **			None
12	M12		BenPIN				Yes	** NA **			None
13	M13		BenPIN				Yes	** NA **			None
14	M14		BenPIN				Yes	** NA **			None
15	M15		BenPIN				Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
52	M53						Yes	** NA **			None
53	M54						Yes	** NA **			None
54	M55						Yes	** NA **			None
55	M56						Yes	** NA **			None
56	M64						Yes	** NA **			None
57	M65						Yes	** NA **			None
58	M66						Yes	** NA **			None
59	M67						Yes	** NA **			None
60	M76						Yes	** NA **			None
61	M77						Yes	** NA **			None
62	M78						Yes	** NA **			None
63	M79						Yes	** NA **			None
64	M90		OOOOOO				Yes	** NA **			None
65	M91		OOOOOO				Yes	** NA **			None
66	M92		OOOOOO				Yes	** NA **			None
67	M93		OOOOOO				Yes	** NA **			None
68	M94		OOOOOO				Yes	** NA **			None
69	M95		OOOOOO				Yes	** NA **			None
70	M96						Yes	** NA **			None
71	M97						Yes	** NA **			None
72	M98						Yes	** NA **			None
73	MP1A						Yes	** NA **			None
74	MP1B						Yes	** NA **			None
75	MP1C						Yes	** NA **			None
76	MP2A						Yes	** NA **			None
77	MP2B						Yes	** NA **			None
78	MP2C						Yes	** NA **			None
79	MP3A						Yes	** NA **			None
80	MP3B						Yes	** NA **			None
81	MP3C						Yes	** NA **			None
82	MP4A						Yes	** NA **			None
83	MP4B						Yes	** NA **			None
84	MP4C						Yes	** NA **			None
85	OVPB						Yes	** NA **			None
86	OVPC						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90A						Yes	** NA **			None
91	M91A						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	M93A						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	M96A						Yes	** NA **			None
97	M97A						Yes	** NA **			None
98	M98A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.55	1.79
2	MP3A	My	-.043	1.79
3	MP3A	Mz	.008	1.79
4	MP3A	Y	-43.55	4.21
5	MP3A	My	-.043	4.21
6	MP3A	Mz	.008	4.21
7	MP3B	Y	-43.55	1.79
8	MP3B	My	.015	1.79
9	MP3B	Mz	-.041	1.79
10	MP3B	Y	-43.55	4.21
11	MP3B	My	.015	4.21
12	MP3B	Mz	-.041	4.21
13	MP3C	Y	-43.55	1.79
14	MP3C	My	.028	1.79
15	MP3C	Mz	.033	1.79
16	MP3C	Y	-43.55	4.21
17	MP3C	My	.028	4.21
18	MP3C	Mz	.033	4.21
19	MP1A	Y	-37.35	3
20	MP1A	My	.025	3
21	MP1A	Mz	0	3
22	MP1A	Y	-37.35	3
23	MP1A	My	.025	3
24	MP1A	Mz	0	3
25	MP1B	Y	-37.35	3
26	MP1B	My	-.012	3
27	MP1B	Mz	.022	3
28	MP1B	Y	-37.35	3
29	MP1B	My	-.012	3
30	MP1B	Mz	.022	3
31	MP1C	Y	-37.35	3
32	MP1C	My	-.012	3
33	MP1C	Mz	-.022	3
34	MP1C	Y	-37.35	3
35	MP1C	My	-.012	3
36	MP1C	Mz	-.022	3
37	MP2A	Y	-35.15	3
38	MP2A	My	.023	3
39	MP2A	Mz	0	3
40	MP2A	Y	-35.15	3
41	MP2A	My	.023	3
42	MP2A	Mz	0	3
43	MP2B	Y	-35.15	3
44	MP2B	My	-.012	3
45	MP2B	Mz	.02	3
46	MP2B	Y	-35.15	3
47	MP2B	My	-.012	3
48	MP2B	Mz	.02	3
49	MP2C	Y	-35.15	3
50	MP2C	My	-.012	3
51	MP2C	Mz	-.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	Y	-35.15	3
53	MP2C	My	-.012	3
54	MP2C	Mz	-.02	3
55	MP2A	Y	-20	.68
56	MP2A	My	-.018	.68
57	MP2A	Mz	.015	.68
58	MP2A	Y	-20	5.33
59	MP2A	My	-.018	5.33
60	MP2A	Mz	.015	5.33
61	MP2B	Y	-20	.68
62	MP2B	My	-.004	.68
63	MP2B	Mz	-.023	.68
64	MP2B	Y	-20	5.33
65	MP2B	My	-.004	5.33
66	MP2B	Mz	-.023	5.33
67	MP2C	Y	-20	.68
68	MP2C	My	.022	.68
69	MP2C	Mz	.008	.68
70	MP2C	Y	-20	5.33
71	MP2C	My	.022	5.33
72	MP2C	Mz	.008	5.33
73	MP2A	Y	-20	.68
74	MP2A	My	-.022	.68
75	MP2A	Mz	-.008	.68
76	MP2A	Y	-20	5.33
77	MP2A	My	-.022	5.33
78	MP2A	Mz	-.008	5.33
79	MP2B	Y	-20	.68
80	MP2B	My	.018	.68
81	MP2B	Mz	-.015	.68
82	MP2B	Y	-20	5.33
83	MP2B	My	.018	5.33
84	MP2B	Mz	-.015	5.33
85	MP2C	Y	-20	.68
86	MP2C	My	.004	.68
87	MP2C	Mz	.023	.68
88	MP2C	Y	-20	5.33
89	MP2C	My	.004	5.33
90	MP2C	Mz	.023	5.33
91	OVPB	Y	-16	1.5
92	OVPB	My	-.008	1.5
93	OVPB	Mz	-.014	1.5
94	OVPB	Y	-16	1.5
95	OVPB	My	-.008	1.5
96	OVPB	Mz	-.014	1.5
97	OVPC	Y	-16	1.5
98	OVPC	My	.016	1.5
99	OVPC	Mz	0	1.5
100	OVPC	Y	-16	1.5
101	OVPC	My	.016	1.5
102	OVPC	Mz	0	1.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-55.944	1.79
2	MP3A	My	-.055	1.79
3	MP3A	Mz	.01	1.79
4	MP3A	Y	-55.944	4.21
5	MP3A	My	-.055	4.21
6	MP3A	Mz	.01	4.21
7	MP3B	Y	-55.944	1.79
8	MP3B	My	.019	1.79
9	MP3B	Mz	-.053	1.79
10	MP3B	Y	-55.944	4.21
11	MP3B	My	.019	4.21
12	MP3B	Mz	-.053	4.21
13	MP3C	Y	-55.944	1.79
14	MP3C	My	.036	1.79
15	MP3C	Mz	.043	1.79
16	MP3C	Y	-55.944	4.21
17	MP3C	My	.036	4.21
18	MP3C	Mz	.043	4.21
19	MP1A	Y	-35.545	3
20	MP1A	My	.024	3
21	MP1A	Mz	0	3
22	MP1A	Y	-35.545	3
23	MP1A	My	.024	3
24	MP1A	Mz	0	3
25	MP1B	Y	-35.545	3
26	MP1B	My	-.012	3
27	MP1B	Mz	.021	3
28	MP1B	Y	-35.545	3
29	MP1B	My	-.012	3
30	MP1B	Mz	.021	3
31	MP1C	Y	-35.545	3
32	MP1C	My	-.012	3
33	MP1C	Mz	-.021	3
34	MP1C	Y	-35.545	3
35	MP1C	My	-.012	3
36	MP1C	Mz	-.021	3
37	MP2A	Y	-33.908	3
38	MP2A	My	.023	3
39	MP2A	Mz	0	3
40	MP2A	Y	-33.908	3
41	MP2A	My	.023	3
42	MP2A	Mz	0	3
43	MP2B	Y	-33.908	3
44	MP2B	My	-.011	3
45	MP2B	Mz	.02	3
46	MP2B	Y	-33.908	3
47	MP2B	My	-.011	3
48	MP2B	Mz	.02	3
49	MP2C	Y	-33.908	3
50	MP2C	My	-.011	3
51	MP2C	Mz	-.02	3
52	MP2C	Y	-33.908	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	My	-.011	3
54	MP2C	Mz	-.02	3
55	MP2A	Y	-95.508	.68
56	MP2A	My	-.084	.68
57	MP2A	Mz	.071	.68
58	MP2A	Y	-95.508	5.33
59	MP2A	My	-.084	5.33
60	MP2A	Mz	.071	5.33
61	MP2B	Y	-95.508	.68
62	MP2B	My	-.02	.68
63	MP2B	Mz	-.109	.68
64	MP2B	Y	-95.508	5.33
65	MP2B	My	-.02	5.33
66	MP2B	Mz	-.109	5.33
67	MP2C	Y	-95.508	.68
68	MP2C	My	.104	.68
69	MP2C	Mz	.037	.68
70	MP2C	Y	-95.508	5.33
71	MP2C	My	.104	5.33
72	MP2C	Mz	.037	5.33
73	MP2A	Y	-95.508	.68
74	MP2A	My	-.104	.68
75	MP2A	Mz	-.038	.68
76	MP2A	Y	-95.508	5.33
77	MP2A	My	-.104	5.33
78	MP2A	Mz	-.038	5.33
79	MP2B	Y	-95.508	.68
80	MP2B	My	.085	.68
81	MP2B	Mz	-.071	.68
82	MP2B	Y	-95.508	5.33
83	MP2B	My	.085	5.33
84	MP2B	Mz	-.071	5.33
85	MP2C	Y	-95.508	.68
86	MP2C	My	.019	.68
87	MP2C	Mz	.109	.68
88	MP2C	Y	-95.508	5.33
89	MP2C	My	.019	5.33
90	MP2C	Mz	.109	5.33
91	OVPB	Y	-59.259	1.5
92	OVPB	My	-.03	1.5
93	OVPB	Mz	-.051	1.5
94	OVPB	Y	-59.259	1.5
95	OVPB	My	-.03	1.5
96	OVPB	Mz	-.051	1.5
97	OVPC	Y	-59.259	1.5
98	OVPC	My	.059	1.5
99	OVPC	Mz	0	1.5
100	OVPC	Y	-59.259	1.5
101	OVPC	My	.059	1.5
102	OVPC	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.79
2	MP3A	Z	-71.842	1.79
3	MP3A	Mx	-.012	1.79
4	MP3A	X	0	4.21
5	MP3A	Z	-71.842	4.21
6	MP3A	Mx	-.012	4.21
7	MP3B	X	0	1.79
8	MP3B	Z	-33.861	1.79
9	MP3B	Mx	.032	1.79
10	MP3B	X	0	4.21
11	MP3B	Z	-33.861	4.21
12	MP3B	Mx	.032	4.21
13	MP3C	X	0	1.79
14	MP3C	Z	-47.052	1.79
15	MP3C	Mx	-.036	1.79
16	MP3C	X	0	4.21
17	MP3C	Z	-47.052	4.21
18	MP3C	Mx	-.036	4.21
19	MP1A	X	0	3
20	MP1A	Z	-29.118	3
21	MP1A	Mx	0	3
22	MP1A	X	0	3
23	MP1A	Z	-29.118	3
24	MP1A	Mx	0	3
25	MP1B	X	0	3
26	MP1B	Z	-21.878	3
27	MP1B	Mx	-.013	3
28	MP1B	X	0	3
29	MP1B	Z	-21.878	3
30	MP1B	Mx	-.013	3
31	MP1C	X	0	3
32	MP1C	Z	-21.878	3
33	MP1C	Mx	.013	3
34	MP1C	X	0	3
35	MP1C	Z	-21.878	3
36	MP1C	Mx	.013	3
37	MP2A	X	0	3
38	MP2A	Z	-29.118	3
39	MP2A	Mx	0	3
40	MP2A	X	0	3
41	MP2A	Z	-29.118	3
42	MP2A	Mx	0	3
43	MP2B	X	0	3
44	MP2B	Z	-20.564	3
45	MP2B	Mx	-.012	3
46	MP2B	X	0	3
47	MP2B	Z	-20.564	3
48	MP2B	Mx	-.012	3
49	MP2C	X	0	3
50	MP2C	Z	-20.564	3
51	MP2C	Mx	.012	3
52	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-20.564	3
54	MP2C	Mx	.012	3
55	MP2A	X	0	.68
56	MP2A	Z	-125.764	.68
57	MP2A	Mx	-.094	.68
58	MP2A	X	0	5.33
59	MP2A	Z	-125.764	5.33
60	MP2A	Mx	-.094	5.33
61	MP2B	X	0	.68
62	MP2B	Z	-89.061	.68
63	MP2B	Mx	.101	.68
64	MP2B	X	0	5.33
65	MP2B	Z	-89.061	5.33
66	MP2B	Mx	.101	5.33
67	MP2C	X	0	.68
68	MP2C	Z	-101.808	.68
69	MP2C	Mx	-.04	.68
70	MP2C	X	0	5.33
71	MP2C	Z	-101.808	5.33
72	MP2C	Mx	-.04	5.33
73	MP2A	X	0	.68
74	MP2A	Z	-125.764	.68
75	MP2A	Mx	.05	.68
76	MP2A	X	0	5.33
77	MP2A	Z	-125.764	5.33
78	MP2A	Mx	.05	5.33
79	MP2B	X	0	.68
80	MP2B	Z	-89.061	.68
81	MP2B	Mx	.066	.68
82	MP2B	X	0	5.33
83	MP2B	Z	-89.061	5.33
84	MP2B	Mx	.066	5.33
85	MP2C	X	0	.68
86	MP2C	Z	-101.808	.68
87	MP2C	Mx	-.116	.68
88	MP2C	X	0	5.33
89	MP2C	Z	-101.808	5.33
90	MP2C	Mx	-.116	5.33
91	OVPB	X	0	1.5
92	OVPB	Z	-43.852	1.5
93	OVPB	Mx	.038	1.5
94	OVPB	X	0	1.5
95	OVPB	Z	-43.852	1.5
96	OVPB	Mx	.038	1.5
97	OVPC	X	0	1.5
98	OVPC	Z	-58.748	1.5
99	OVPC	Mx	0	1.5
100	OVPC	X	0	1.5
101	OVPC	Z	-58.748	1.5
102	OVPC	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	27.393	1.79
2	MP3A	Z	-47.445	1.79
3	MP3A	Mx	-.035	1.79
4	MP3A	X	27.393	4.21
5	MP3A	Z	-47.445	4.21
6	MP3A	Mx	-.035	4.21
7	MP3B	X	14.997	1.79
8	MP3B	Z	-25.976	1.79
9	MP3B	Mx	.03	1.79
10	MP3B	X	14.997	4.21
11	MP3B	Z	-25.976	4.21
12	MP3B	Mx	.03	4.21
13	MP3C	X	33.988	1.79
14	MP3C	Z	-58.869	1.79
15	MP3C	Mx	-.023	1.79
16	MP3C	X	33.988	4.21
17	MP3C	Z	-58.869	4.21
18	MP3C	Mx	-.023	4.21
19	MP1A	X	13.352	3
20	MP1A	Z	-23.127	3
21	MP1A	Mx	.009	3
22	MP1A	X	13.352	3
23	MP1A	Z	-23.127	3
24	MP1A	Mx	.009	3
25	MP1B	X	9.732	3
26	MP1B	Z	-16.856	3
27	MP1B	Mx	-.013	3
28	MP1B	X	9.732	3
29	MP1B	Z	-16.856	3
30	MP1B	Mx	-.013	3
31	MP1C	X	13.352	3
32	MP1C	Z	-23.127	3
33	MP1C	Mx	.009	3
34	MP1C	X	13.352	3
35	MP1C	Z	-23.127	3
36	MP1C	Mx	.009	3
37	MP2A	X	13.133	3
38	MP2A	Z	-22.748	3
39	MP2A	Mx	.009	3
40	MP2A	X	13.133	3
41	MP2A	Z	-22.748	3
42	MP2A	Mx	.009	3
43	MP2B	X	8.856	3
44	MP2B	Z	-15.339	3
45	MP2B	Mx	-.012	3
46	MP2B	X	8.856	3
47	MP2B	Z	-15.339	3
48	MP2B	Mx	-.012	3
49	MP2C	X	13.133	3
50	MP2C	Z	-22.748	3
51	MP2C	Mx	.009	3
52	MP2C	X	13.133	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-22.748	3
54	MP2C	Mx	.009	3
55	MP2A	X	54.641	.68
56	MP2A	Z	-94.64	.68
57	MP2A	Mx	-.119	.68
58	MP2A	X	54.641	5.33
59	MP2A	Z	-94.64	5.33
60	MP2A	Mx	-.119	5.33
61	MP2B	X	42.662	.68
62	MP2B	Z	-73.893	.68
63	MP2B	Mx	.075	.68
64	MP2B	X	42.662	5.33
65	MP2B	Z	-73.893	5.33
66	MP2B	Mx	.075	5.33
67	MP2C	X	61.014	.68
68	MP2C	Z	-105.679	.68
69	MP2C	Mx	.025	.68
70	MP2C	X	61.014	5.33
71	MP2C	Z	-105.679	5.33
72	MP2C	Mx	.025	5.33
73	MP2A	X	54.641	.68
74	MP2A	Z	-94.64	.68
75	MP2A	Mx	-.021	.68
76	MP2A	X	54.641	5.33
77	MP2A	Z	-94.64	5.33
78	MP2A	Mx	-.021	5.33
79	MP2B	X	42.662	.68
80	MP2B	Z	-73.893	.68
81	MP2B	Mx	.093	.68
82	MP2B	X	42.662	5.33
83	MP2B	Z	-73.893	5.33
84	MP2B	Mx	.093	5.33
85	MP2C	X	61.014	.68
86	MP2C	Z	-105.679	.68
87	MP2C	Mx	-.109	.68
88	MP2C	X	61.014	5.33
89	MP2C	Z	-105.679	5.33
90	MP2C	Mx	-.109	5.33
91	OVPB	X	26.891	1.5
92	OVPB	Z	-46.577	1.5
93	OVPB	Mx	.027	1.5
94	OVPB	X	26.891	1.5
95	OVPB	Z	-46.577	1.5
96	OVPB	Mx	.027	1.5
97	OVPC	X	26.891	1.5
98	OVPC	Z	-46.577	1.5
99	OVPC	Mx	.027	1.5
100	OVPC	X	26.891	1.5
101	OVPC	Z	-46.577	1.5
102	OVPC	Mx	.027	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	29.325	1.79
2	MP3A	Z	-16.931	1.79
3	MP3A	Mx	-.032	1.79
4	MP3A	X	29.325	4.21
5	MP3A	Z	-16.931	4.21
6	MP3A	Mx	-.032	4.21
7	MP3B	X	40.748	1.79
8	MP3B	Z	-23.526	1.79
9	MP3B	Mx	.036	1.79
10	MP3B	X	40.748	4.21
11	MP3B	Z	-23.526	4.21
12	MP3B	Mx	.036	4.21
13	MP3C	X	62.217	1.79
14	MP3C	Z	-35.921	1.79
15	MP3C	Mx	.012	1.79
16	MP3C	X	62.217	4.21
17	MP3C	Z	-35.921	4.21
18	MP3C	Mx	.012	4.21
19	MP1A	X	18.947	3
20	MP1A	Z	-10.939	3
21	MP1A	Mx	.013	3
22	MP1A	X	18.947	3
23	MP1A	Z	-10.939	3
24	MP1A	Mx	.013	3
25	MP1B	X	18.947	3
26	MP1B	Z	-10.939	3
27	MP1B	Mx	-.013	3
28	MP1B	X	18.947	3
29	MP1B	Z	-10.939	3
30	MP1B	Mx	-.013	3
31	MP1C	X	25.217	3
32	MP1C	Z	-14.559	3
33	MP1C	Mx	0	3
34	MP1C	X	25.217	3
35	MP1C	Z	-14.559	3
36	MP1C	Mx	0	3
37	MP2A	X	17.809	3
38	MP2A	Z	-10.282	3
39	MP2A	Mx	.012	3
40	MP2A	X	17.809	3
41	MP2A	Z	-10.282	3
42	MP2A	Mx	.012	3
43	MP2B	X	17.809	3
44	MP2B	Z	-10.282	3
45	MP2B	Mx	-.012	3
46	MP2B	X	17.809	3
47	MP2B	Z	-10.282	3
48	MP2B	Mx	-.012	3
49	MP2C	X	25.217	3
50	MP2C	Z	-14.559	3
51	MP2C	Mx	0	3
52	MP2C	X	25.217	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-14.559	3
54	MP2C	Mx	0	3
55	MP2A	X	77.129	.68
56	MP2A	Z	-44.531	.68
57	MP2A	Mx	-.101	.68
58	MP2A	X	77.129	5.33
59	MP2A	Z	-44.531	5.33
60	MP2A	Mx	-.101	5.33
61	MP2B	X	88.168	.68
62	MP2B	Z	-50.904	.68
63	MP2B	Mx	.04	.68
64	MP2B	X	88.168	5.33
65	MP2B	Z	-50.904	5.33
66	MP2B	Mx	.04	5.33
67	MP2C	X	108.915	.68
68	MP2C	Z	-62.882	.68
69	MP2C	Mx	.094	.68
70	MP2C	X	108.915	5.33
71	MP2C	Z	-62.882	5.33
72	MP2C	Mx	.094	5.33
73	MP2A	X	77.129	.68
74	MP2A	Z	-44.531	.68
75	MP2A	Mx	-.066	.68
76	MP2A	X	77.129	5.33
77	MP2A	Z	-44.531	5.33
78	MP2A	Mx	-.066	5.33
79	MP2B	X	88.168	.68
80	MP2B	Z	-50.904	.68
81	MP2B	Mx	.116	.68
82	MP2B	X	88.168	5.33
83	MP2B	Z	-50.904	5.33
84	MP2B	Mx	.116	5.33
85	MP2C	X	108.915	.68
86	MP2C	Z	-62.882	.68
87	MP2C	Mx	-.05	.68
88	MP2C	X	108.915	5.33
89	MP2C	Z	-62.882	5.33
90	MP2C	Mx	-.05	5.33
91	OVPB	X	50.878	1.5
92	OVPB	Z	-29.374	1.5
93	OVPB	Mx	0	1.5
94	OVPB	X	50.878	1.5
95	OVPB	Z	-29.374	1.5
96	OVPB	Mx	0	1.5
97	OVPC	X	37.977	1.5
98	OVPC	Z	-21.926	1.5
99	OVPC	Mx	.038	1.5
100	OVPC	X	37.977	1.5
101	OVPC	Z	-21.926	1.5
102	OVPC	Mx	.038	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	29.995	1.79
2	MP3A	Z	0	1.79
3	MP3A	Mx	-.03	1.79
4	MP3A	X	29.995	4.21
5	MP3A	Z	0	4.21
6	MP3A	Mx	-.03	4.21
7	MP3B	X	67.976	1.79
8	MP3B	Z	0	1.79
9	MP3B	Mx	.023	1.79
10	MP3B	X	67.976	4.21
11	MP3B	Z	0	4.21
12	MP3B	Mx	.023	4.21
13	MP3C	X	54.785	1.79
14	MP3C	Z	0	1.79
15	MP3C	Mx	.035	1.79
16	MP3C	X	54.785	4.21
17	MP3C	Z	0	4.21
18	MP3C	Mx	.035	4.21
19	MP1A	X	19.464	3
20	MP1A	Z	0	3
21	MP1A	Mx	.013	3
22	MP1A	X	19.464	3
23	MP1A	Z	0	3
24	MP1A	Mx	.013	3
25	MP1B	X	26.705	3
26	MP1B	Z	0	3
27	MP1B	Mx	-.009	3
28	MP1B	X	26.705	3
29	MP1B	Z	0	3
30	MP1B	Mx	-.009	3
31	MP1C	X	26.705	3
32	MP1C	Z	0	3
33	MP1C	Mx	-.009	3
34	MP1C	X	26.705	3
35	MP1C	Z	0	3
36	MP1C	Mx	-.009	3
37	MP2A	X	17.712	3
38	MP2A	Z	0	3
39	MP2A	Mx	.012	3
40	MP2A	X	17.712	3
41	MP2A	Z	0	3
42	MP2A	Mx	.012	3
43	MP2B	X	26.267	3
44	MP2B	Z	0	3
45	MP2B	Mx	-.009	3
46	MP2B	X	26.267	3
47	MP2B	Z	0	3
48	MP2B	Mx	-.009	3
49	MP2C	X	26.267	3
50	MP2C	Z	0	3
51	MP2C	Mx	-.009	3
52	MP2C	X	26.267	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	3
54	MP2C	Mx	-.009	3
55	MP2A	X	85.325	.68
56	MP2A	Z	0	.68
57	MP2A	Mx	-.075	.68
58	MP2A	X	85.325	5.33
59	MP2A	Z	0	5.33
60	MP2A	Mx	-.075	5.33
61	MP2B	X	122.028	.68
62	MP2B	Z	0	.68
63	MP2B	Mx	-.025	.68
64	MP2B	X	122.028	5.33
65	MP2B	Z	0	5.33
66	MP2B	Mx	-.025	5.33
67	MP2C	X	109.281	.68
68	MP2C	Z	0	.68
69	MP2C	Mx	.119	.68
70	MP2C	X	109.281	5.33
71	MP2C	Z	0	5.33
72	MP2C	Mx	.119	5.33
73	MP2A	X	85.325	.68
74	MP2A	Z	0	.68
75	MP2A	Mx	-.093	.68
76	MP2A	X	85.325	5.33
77	MP2A	Z	0	5.33
78	MP2A	Mx	-.093	5.33
79	MP2B	X	122.028	.68
80	MP2B	Z	0	.68
81	MP2B	Mx	.109	.68
82	MP2B	X	122.028	5.33
83	MP2B	Z	0	5.33
84	MP2B	Mx	.109	5.33
85	MP2C	X	109.281	.68
86	MP2C	Z	0	.68
87	MP2C	Mx	.021	.68
88	MP2C	X	109.281	5.33
89	MP2C	Z	0	5.33
90	MP2C	Mx	.021	5.33
91	OVPB	X	53.783	1.5
92	OVPB	Z	0	1.5
93	OVPB	Mx	-.027	1.5
94	OVPB	X	53.783	1.5
95	OVPB	Z	0	1.5
96	OVPB	Mx	-.027	1.5
97	OVPC	X	38.887	1.5
98	OVPC	Z	0	1.5
99	OVPC	Mx	.039	1.5
100	OVPC	X	38.887	1.5
101	OVPC	Z	0	1.5
102	OVPC	Mx	.039	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	40.748	1.79
2	MP3A	Z	23.526	1.79
3	MP3A	Mx	-.036	1.79
4	MP3A	X	40.748	4.21
5	MP3A	Z	23.526	4.21
6	MP3A	Mx	-.036	4.21
7	MP3B	X	62.217	1.79
8	MP3B	Z	35.921	1.79
9	MP3B	Mx	-.012	1.79
10	MP3B	X	62.217	4.21
11	MP3B	Z	35.921	4.21
12	MP3B	Mx	-.012	4.21
13	MP3C	X	29.325	1.79
14	MP3C	Z	16.931	1.79
15	MP3C	Mx	.032	1.79
16	MP3C	X	29.325	4.21
17	MP3C	Z	16.931	4.21
18	MP3C	Mx	.032	4.21
19	MP1A	X	18.947	3
20	MP1A	Z	10.939	3
21	MP1A	Mx	.013	3
22	MP1A	X	18.947	3
23	MP1A	Z	10.939	3
24	MP1A	Mx	.013	3
25	MP1B	X	25.217	3
26	MP1B	Z	14.559	3
27	MP1B	Mx	0	3
28	MP1B	X	25.217	3
29	MP1B	Z	14.559	3
30	MP1B	Mx	0	3
31	MP1C	X	18.947	3
32	MP1C	Z	10.939	3
33	MP1C	Mx	-.013	3
34	MP1C	X	18.947	3
35	MP1C	Z	10.939	3
36	MP1C	Mx	-.013	3
37	MP2A	X	17.809	3
38	MP2A	Z	10.282	3
39	MP2A	Mx	.012	3
40	MP2A	X	17.809	3
41	MP2A	Z	10.282	3
42	MP2A	Mx	.012	3
43	MP2B	X	25.217	3
44	MP2B	Z	14.559	3
45	MP2B	Mx	0	3
46	MP2B	X	25.217	3
47	MP2B	Z	14.559	3
48	MP2B	Mx	0	3
49	MP2C	X	17.809	3
50	MP2C	Z	10.282	3
51	MP2C	Mx	-.012	3
52	MP2C	X	17.809	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	10.282	3
54	MP2C	Mx	-.012	3
55	MP2A	X	88.168	.68
56	MP2A	Z	50.904	.68
57	MP2A	Mx	-.04	.68
58	MP2A	X	88.168	5.33
59	MP2A	Z	50.904	5.33
60	MP2A	Mx	-.04	5.33
61	MP2B	X	108.915	.68
62	MP2B	Z	62.882	.68
63	MP2B	Mx	-.094	.68
64	MP2B	X	108.915	5.33
65	MP2B	Z	62.882	5.33
66	MP2B	Mx	-.094	5.33
67	MP2C	X	77.129	.68
68	MP2C	Z	44.531	.68
69	MP2C	Mx	.101	.68
70	MP2C	X	77.129	5.33
71	MP2C	Z	44.531	5.33
72	MP2C	Mx	.101	5.33
73	MP2A	X	88.168	.68
74	MP2A	Z	50.904	.68
75	MP2A	Mx	-.116	.68
76	MP2A	X	88.168	5.33
77	MP2A	Z	50.904	5.33
78	MP2A	Mx	-.116	5.33
79	MP2B	X	108.915	.68
80	MP2B	Z	62.882	.68
81	MP2B	Mx	.05	.68
82	MP2B	X	108.915	5.33
83	MP2B	Z	62.882	5.33
84	MP2B	Mx	.05	5.33
85	MP2C	X	77.129	.68
86	MP2C	Z	44.531	.68
87	MP2C	Mx	.066	.68
88	MP2C	X	77.129	5.33
89	MP2C	Z	44.531	5.33
90	MP2C	Mx	.066	5.33
91	OVPB	X	37.977	1.5
92	OVPB	Z	21.926	1.5
93	OVPB	Mx	-.038	1.5
94	OVPB	X	37.977	1.5
95	OVPB	Z	21.926	1.5
96	OVPB	Mx	-.038	1.5
97	OVPC	X	37.977	1.5
98	OVPC	Z	21.926	1.5
99	OVPC	Mx	.038	1.5
100	OVPC	X	37.977	1.5
101	OVPC	Z	21.926	1.5
102	OVPC	Mx	.038	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	33.988	1.79
2	MP3A	Z	58.869	1.79
3	MP3A	Mx	-.023	1.79
4	MP3A	X	33.988	4.21
5	MP3A	Z	58.869	4.21
6	MP3A	Mx	-.023	4.21
7	MP3B	X	27.393	1.79
8	MP3B	Z	47.445	1.79
9	MP3B	Mx	-.035	1.79
10	MP3B	X	27.393	4.21
11	MP3B	Z	47.445	4.21
12	MP3B	Mx	-.035	4.21
13	MP3C	X	14.997	1.79
14	MP3C	Z	25.976	1.79
15	MP3C	Mx	.03	1.79
16	MP3C	X	14.997	4.21
17	MP3C	Z	25.976	4.21
18	MP3C	Mx	.03	4.21
19	MP1A	X	13.352	3
20	MP1A	Z	23.127	3
21	MP1A	Mx	.009	3
22	MP1A	X	13.352	3
23	MP1A	Z	23.127	3
24	MP1A	Mx	.009	3
25	MP1B	X	13.352	3
26	MP1B	Z	23.127	3
27	MP1B	Mx	.009	3
28	MP1B	X	13.352	3
29	MP1B	Z	23.127	3
30	MP1B	Mx	.009	3
31	MP1C	X	9.732	3
32	MP1C	Z	16.856	3
33	MP1C	Mx	-.013	3
34	MP1C	X	9.732	3
35	MP1C	Z	16.856	3
36	MP1C	Mx	-.013	3
37	MP2A	X	13.133	3
38	MP2A	Z	22.748	3
39	MP2A	Mx	.009	3
40	MP2A	X	13.133	3
41	MP2A	Z	22.748	3
42	MP2A	Mx	.009	3
43	MP2B	X	13.133	3
44	MP2B	Z	22.748	3
45	MP2B	Mx	.009	3
46	MP2B	X	13.133	3
47	MP2B	Z	22.748	3
48	MP2B	Mx	.009	3
49	MP2C	X	8.856	3
50	MP2C	Z	15.339	3
51	MP2C	Mx	-.012	3
52	MP2C	X	8.856	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	15.339	3
54	MP2C	Mx	-.012	3
55	MP2A	X	61.014	.68
56	MP2A	Z	105.679	.68
57	MP2A	Mx	.025	.68
58	MP2A	X	61.014	5.33
59	MP2A	Z	105.679	5.33
60	MP2A	Mx	.025	5.33
61	MP2B	X	54.641	.68
62	MP2B	Z	94.64	.68
63	MP2B	Mx	-.119	.68
64	MP2B	X	54.641	5.33
65	MP2B	Z	94.64	5.33
66	MP2B	Mx	-.119	5.33
67	MP2C	X	42.662	.68
68	MP2C	Z	73.893	.68
69	MP2C	Mx	.075	.68
70	MP2C	X	42.662	5.33
71	MP2C	Z	73.893	5.33
72	MP2C	Mx	.075	5.33
73	MP2A	X	61.014	.68
74	MP2A	Z	105.679	.68
75	MP2A	Mx	-.109	.68
76	MP2A	X	61.014	5.33
77	MP2A	Z	105.679	5.33
78	MP2A	Mx	-.109	5.33
79	MP2B	X	54.641	.68
80	MP2B	Z	94.64	.68
81	MP2B	Mx	-.021	.68
82	MP2B	X	54.641	5.33
83	MP2B	Z	94.64	5.33
84	MP2B	Mx	-.021	5.33
85	MP2C	X	42.662	.68
86	MP2C	Z	73.893	.68
87	MP2C	Mx	.093	.68
88	MP2C	X	42.662	5.33
89	MP2C	Z	73.893	5.33
90	MP2C	Mx	.093	5.33
91	OVPB	X	19.443	1.5
92	OVPB	Z	33.677	1.5
93	OVPB	Mx	-.039	1.5
94	OVPB	X	19.443	1.5
95	OVPB	Z	33.677	1.5
96	OVPB	Mx	-.039	1.5
97	OVPC	X	26.891	1.5
98	OVPC	Z	46.577	1.5
99	OVPC	Mx	.027	1.5
100	OVPC	X	26.891	1.5
101	OVPC	Z	46.577	1.5
102	OVPC	Mx	.027	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.79
2	MP3A	Z	71.842	1.79
3	MP3A	Mx	.012	1.79
4	MP3A	X	0	4.21
5	MP3A	Z	71.842	4.21
6	MP3A	Mx	.012	4.21
7	MP3B	X	0	1.79
8	MP3B	Z	33.861	1.79
9	MP3B	Mx	-.032	1.79
10	MP3B	X	0	4.21
11	MP3B	Z	33.861	4.21
12	MP3B	Mx	-.032	4.21
13	MP3C	X	0	1.79
14	MP3C	Z	47.052	1.79
15	MP3C	Mx	.036	1.79
16	MP3C	X	0	4.21
17	MP3C	Z	47.052	4.21
18	MP3C	Mx	.036	4.21
19	MP1A	X	0	3
20	MP1A	Z	29.118	3
21	MP1A	Mx	0	3
22	MP1A	X	0	3
23	MP1A	Z	29.118	3
24	MP1A	Mx	0	3
25	MP1B	X	0	3
26	MP1B	Z	21.878	3
27	MP1B	Mx	.013	3
28	MP1B	X	0	3
29	MP1B	Z	21.878	3
30	MP1B	Mx	.013	3
31	MP1C	X	0	3
32	MP1C	Z	21.878	3
33	MP1C	Mx	-.013	3
34	MP1C	X	0	3
35	MP1C	Z	21.878	3
36	MP1C	Mx	-.013	3
37	MP2A	X	0	3
38	MP2A	Z	29.118	3
39	MP2A	Mx	0	3
40	MP2A	X	0	3
41	MP2A	Z	29.118	3
42	MP2A	Mx	0	3
43	MP2B	X	0	3
44	MP2B	Z	20.564	3
45	MP2B	Mx	.012	3
46	MP2B	X	0	3
47	MP2B	Z	20.564	3
48	MP2B	Mx	.012	3
49	MP2C	X	0	3
50	MP2C	Z	20.564	3
51	MP2C	Mx	-.012	3
52	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	20.564	3
54	MP2C	Mx	-.012	3
55	MP2A	X	0	.68
56	MP2A	Z	125.764	.68
57	MP2A	Mx	.094	.68
58	MP2A	X	0	5.33
59	MP2A	Z	125.764	5.33
60	MP2A	Mx	.094	5.33
61	MP2B	X	0	.68
62	MP2B	Z	89.061	.68
63	MP2B	Mx	-.101	.68
64	MP2B	X	0	5.33
65	MP2B	Z	89.061	5.33
66	MP2B	Mx	-.101	5.33
67	MP2C	X	0	.68
68	MP2C	Z	101.808	.68
69	MP2C	Mx	.04	.68
70	MP2C	X	0	5.33
71	MP2C	Z	101.808	5.33
72	MP2C	Mx	.04	5.33
73	MP2A	X	0	.68
74	MP2A	Z	125.764	.68
75	MP2A	Mx	-.05	.68
76	MP2A	X	0	5.33
77	MP2A	Z	125.764	5.33
78	MP2A	Mx	-.05	5.33
79	MP2B	X	0	.68
80	MP2B	Z	89.061	.68
81	MP2B	Mx	-.066	.68
82	MP2B	X	0	5.33
83	MP2B	Z	89.061	5.33
84	MP2B	Mx	-.066	5.33
85	MP2C	X	0	.68
86	MP2C	Z	101.808	.68
87	MP2C	Mx	.116	.68
88	MP2C	X	0	5.33
89	MP2C	Z	101.808	5.33
90	MP2C	Mx	.116	5.33
91	OVPB	X	0	1.5
92	OVPB	Z	43.852	1.5
93	OVPB	Mx	-.038	1.5
94	OVPB	X	0	1.5
95	OVPB	Z	43.852	1.5
96	OVPB	Mx	-.038	1.5
97	OVPC	X	0	1.5
98	OVPC	Z	58.748	1.5
99	OVPC	Mx	0	1.5
100	OVPC	X	0	1.5
101	OVPC	Z	58.748	1.5
102	OVPC	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-27.393	1.79
2	MP3A	Z	47.445	1.79
3	MP3A	Mx	.035	1.79
4	MP3A	X	-27.393	4.21
5	MP3A	Z	47.445	4.21
6	MP3A	Mx	.035	4.21
7	MP3B	X	-14.997	1.79
8	MP3B	Z	25.976	1.79
9	MP3B	Mx	-.03	1.79
10	MP3B	X	-14.997	4.21
11	MP3B	Z	25.976	4.21
12	MP3B	Mx	-.03	4.21
13	MP3C	X	-33.988	1.79
14	MP3C	Z	58.869	1.79
15	MP3C	Mx	.023	1.79
16	MP3C	X	-33.988	4.21
17	MP3C	Z	58.869	4.21
18	MP3C	Mx	.023	4.21
19	MP1A	X	-13.352	3
20	MP1A	Z	23.127	3
21	MP1A	Mx	-.009	3
22	MP1A	X	-13.352	3
23	MP1A	Z	23.127	3
24	MP1A	Mx	-.009	3
25	MP1B	X	-9.732	3
26	MP1B	Z	16.856	3
27	MP1B	Mx	.013	3
28	MP1B	X	-9.732	3
29	MP1B	Z	16.856	3
30	MP1B	Mx	.013	3
31	MP1C	X	-13.352	3
32	MP1C	Z	23.127	3
33	MP1C	Mx	-.009	3
34	MP1C	X	-13.352	3
35	MP1C	Z	23.127	3
36	MP1C	Mx	-.009	3
37	MP2A	X	-13.133	3
38	MP2A	Z	22.748	3
39	MP2A	Mx	-.009	3
40	MP2A	X	-13.133	3
41	MP2A	Z	22.748	3
42	MP2A	Mx	-.009	3
43	MP2B	X	-8.856	3
44	MP2B	Z	15.339	3
45	MP2B	Mx	.012	3
46	MP2B	X	-8.856	3
47	MP2B	Z	15.339	3
48	MP2B	Mx	.012	3
49	MP2C	X	-13.133	3
50	MP2C	Z	22.748	3
51	MP2C	Mx	-.009	3
52	MP2C	X	-13.133	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	22.748	3
54	MP2C	Mx	-.009	3
55	MP2A	X	-54.641	.68
56	MP2A	Z	94.64	.68
57	MP2A	Mx	.119	.68
58	MP2A	X	-54.641	5.33
59	MP2A	Z	94.64	5.33
60	MP2A	Mx	.119	5.33
61	MP2B	X	-42.662	.68
62	MP2B	Z	73.893	.68
63	MP2B	Mx	-.075	.68
64	MP2B	X	-42.662	5.33
65	MP2B	Z	73.893	5.33
66	MP2B	Mx	-.075	5.33
67	MP2C	X	-61.014	.68
68	MP2C	Z	105.679	.68
69	MP2C	Mx	-.025	.68
70	MP2C	X	-61.014	5.33
71	MP2C	Z	105.679	5.33
72	MP2C	Mx	-.025	5.33
73	MP2A	X	-54.641	.68
74	MP2A	Z	94.64	.68
75	MP2A	Mx	.021	.68
76	MP2A	X	-54.641	5.33
77	MP2A	Z	94.64	5.33
78	MP2A	Mx	.021	5.33
79	MP2B	X	-42.662	.68
80	MP2B	Z	73.893	.68
81	MP2B	Mx	-.093	.68
82	MP2B	X	-42.662	5.33
83	MP2B	Z	73.893	5.33
84	MP2B	Mx	-.093	5.33
85	MP2C	X	-61.014	.68
86	MP2C	Z	105.679	.68
87	MP2C	Mx	.109	.68
88	MP2C	X	-61.014	5.33
89	MP2C	Z	105.679	5.33
90	MP2C	Mx	.109	5.33
91	OVPB	X	-26.891	1.5
92	OVPB	Z	46.577	1.5
93	OVPB	Mx	-.027	1.5
94	OVPB	X	-26.891	1.5
95	OVPB	Z	46.577	1.5
96	OVPB	Mx	-.027	1.5
97	OVPC	X	-26.891	1.5
98	OVPC	Z	46.577	1.5
99	OVPC	Mx	-.027	1.5
100	OVPC	X	-26.891	1.5
101	OVPC	Z	46.577	1.5
102	OVPC	Mx	-.027	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-29.325	1.79
2	MP3A	Z	16.931	1.79
3	MP3A	Mx	.032	1.79
4	MP3A	X	-29.325	4.21
5	MP3A	Z	16.931	4.21
6	MP3A	Mx	.032	4.21
7	MP3B	X	-40.748	1.79
8	MP3B	Z	23.526	1.79
9	MP3B	Mx	-.036	1.79
10	MP3B	X	-40.748	4.21
11	MP3B	Z	23.526	4.21
12	MP3B	Mx	-.036	4.21
13	MP3C	X	-62.217	1.79
14	MP3C	Z	35.921	1.79
15	MP3C	Mx	-.012	1.79
16	MP3C	X	-62.217	4.21
17	MP3C	Z	35.921	4.21
18	MP3C	Mx	-.012	4.21
19	MP1A	X	-18.947	3
20	MP1A	Z	10.939	3
21	MP1A	Mx	-.013	3
22	MP1A	X	-18.947	3
23	MP1A	Z	10.939	3
24	MP1A	Mx	-.013	3
25	MP1B	X	-18.947	3
26	MP1B	Z	10.939	3
27	MP1B	Mx	.013	3
28	MP1B	X	-18.947	3
29	MP1B	Z	10.939	3
30	MP1B	Mx	.013	3
31	MP1C	X	-25.217	3
32	MP1C	Z	14.559	3
33	MP1C	Mx	0	3
34	MP1C	X	-25.217	3
35	MP1C	Z	14.559	3
36	MP1C	Mx	0	3
37	MP2A	X	-17.809	3
38	MP2A	Z	10.282	3
39	MP2A	Mx	-.012	3
40	MP2A	X	-17.809	3
41	MP2A	Z	10.282	3
42	MP2A	Mx	-.012	3
43	MP2B	X	-17.809	3
44	MP2B	Z	10.282	3
45	MP2B	Mx	.012	3
46	MP2B	X	-17.809	3
47	MP2B	Z	10.282	3
48	MP2B	Mx	.012	3
49	MP2C	X	-25.217	3
50	MP2C	Z	14.559	3
51	MP2C	Mx	0	3
52	MP2C	X	-25.217	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	14.559	3
54	MP2C	Mx	0	3
55	MP2A	X	-77.129	.68
56	MP2A	Z	44.531	.68
57	MP2A	Mx	.101	.68
58	MP2A	X	-77.129	5.33
59	MP2A	Z	44.531	5.33
60	MP2A	Mx	.101	5.33
61	MP2B	X	-88.168	.68
62	MP2B	Z	50.904	.68
63	MP2B	Mx	-.04	.68
64	MP2B	X	-88.168	5.33
65	MP2B	Z	50.904	5.33
66	MP2B	Mx	-.04	5.33
67	MP2C	X	-108.915	.68
68	MP2C	Z	62.882	.68
69	MP2C	Mx	-.094	.68
70	MP2C	X	-108.915	5.33
71	MP2C	Z	62.882	5.33
72	MP2C	Mx	-.094	5.33
73	MP2A	X	-77.129	.68
74	MP2A	Z	44.531	.68
75	MP2A	Mx	.066	.68
76	MP2A	X	-77.129	5.33
77	MP2A	Z	44.531	5.33
78	MP2A	Mx	.066	5.33
79	MP2B	X	-88.168	.68
80	MP2B	Z	50.904	.68
81	MP2B	Mx	-.116	.68
82	MP2B	X	-88.168	5.33
83	MP2B	Z	50.904	5.33
84	MP2B	Mx	-.116	5.33
85	MP2C	X	-108.915	.68
86	MP2C	Z	62.882	.68
87	MP2C	Mx	.05	.68
88	MP2C	X	-108.915	5.33
89	MP2C	Z	62.882	5.33
90	MP2C	Mx	.05	5.33
91	OVPB	X	-50.878	1.5
92	OVPB	Z	29.374	1.5
93	OVPB	Mx	0	1.5
94	OVPB	X	-50.878	1.5
95	OVPB	Z	29.374	1.5
96	OVPB	Mx	0	1.5
97	OVPC	X	-37.977	1.5
98	OVPC	Z	21.926	1.5
99	OVPC	Mx	-.038	1.5
100	OVPC	X	-37.977	1.5
101	OVPC	Z	21.926	1.5
102	OVPC	Mx	-.038	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-29.995	1.79
2	MP3A	Z	0	1.79
3	MP3A	Mx	.03	1.79
4	MP3A	X	-29.995	4.21
5	MP3A	Z	0	4.21
6	MP3A	Mx	.03	4.21
7	MP3B	X	-67.976	1.79
8	MP3B	Z	0	1.79
9	MP3B	Mx	-.023	1.79
10	MP3B	X	-67.976	4.21
11	MP3B	Z	0	4.21
12	MP3B	Mx	-.023	4.21
13	MP3C	X	-54.785	1.79
14	MP3C	Z	0	1.79
15	MP3C	Mx	-.035	1.79
16	MP3C	X	-54.785	4.21
17	MP3C	Z	0	4.21
18	MP3C	Mx	-.035	4.21
19	MP1A	X	-19.464	3
20	MP1A	Z	0	3
21	MP1A	Mx	-.013	3
22	MP1A	X	-19.464	3
23	MP1A	Z	0	3
24	MP1A	Mx	-.013	3
25	MP1B	X	-26.705	3
26	MP1B	Z	0	3
27	MP1B	Mx	.009	3
28	MP1B	X	-26.705	3
29	MP1B	Z	0	3
30	MP1B	Mx	.009	3
31	MP1C	X	-26.705	3
32	MP1C	Z	0	3
33	MP1C	Mx	.009	3
34	MP1C	X	-26.705	3
35	MP1C	Z	0	3
36	MP1C	Mx	.009	3
37	MP2A	X	-17.712	3
38	MP2A	Z	0	3
39	MP2A	Mx	-.012	3
40	MP2A	X	-17.712	3
41	MP2A	Z	0	3
42	MP2A	Mx	-.012	3
43	MP2B	X	-26.267	3
44	MP2B	Z	0	3
45	MP2B	Mx	.009	3
46	MP2B	X	-26.267	3
47	MP2B	Z	0	3
48	MP2B	Mx	.009	3
49	MP2C	X	-26.267	3
50	MP2C	Z	0	3
51	MP2C	Mx	.009	3
52	MP2C	X	-26.267	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	3
54	MP2C	Mx	.009	3
55	MP2A	X	-85.325	.68
56	MP2A	Z	0	.68
57	MP2A	Mx	.075	.68
58	MP2A	X	-85.325	5.33
59	MP2A	Z	0	5.33
60	MP2A	Mx	.075	5.33
61	MP2B	X	-122.028	.68
62	MP2B	Z	0	.68
63	MP2B	Mx	.025	.68
64	MP2B	X	-122.028	5.33
65	MP2B	Z	0	5.33
66	MP2B	Mx	.025	5.33
67	MP2C	X	-109.281	.68
68	MP2C	Z	0	.68
69	MP2C	Mx	-.119	.68
70	MP2C	X	-109.281	5.33
71	MP2C	Z	0	5.33
72	MP2C	Mx	-.119	5.33
73	MP2A	X	-85.325	.68
74	MP2A	Z	0	.68
75	MP2A	Mx	.093	.68
76	MP2A	X	-85.325	5.33
77	MP2A	Z	0	5.33
78	MP2A	Mx	.093	5.33
79	MP2B	X	-122.028	.68
80	MP2B	Z	0	.68
81	MP2B	Mx	-.109	.68
82	MP2B	X	-122.028	5.33
83	MP2B	Z	0	5.33
84	MP2B	Mx	-.109	5.33
85	MP2C	X	-109.281	.68
86	MP2C	Z	0	.68
87	MP2C	Mx	-.021	.68
88	MP2C	X	-109.281	5.33
89	MP2C	Z	0	5.33
90	MP2C	Mx	-.021	5.33
91	OVPB	X	-53.783	1.5
92	OVPB	Z	0	1.5
93	OVPB	Mx	.027	1.5
94	OVPB	X	-53.783	1.5
95	OVPB	Z	0	1.5
96	OVPB	Mx	.027	1.5
97	OVPC	X	-38.887	1.5
98	OVPC	Z	0	1.5
99	OVPC	Mx	-.039	1.5
100	OVPC	X	-38.887	1.5
101	OVPC	Z	0	1.5
102	OVPC	Mx	-.039	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-40.748	1.79
2	MP3A	Z	-23.526	1.79
3	MP3A	Mx	.036	1.79
4	MP3A	X	-40.748	4.21
5	MP3A	Z	-23.526	4.21
6	MP3A	Mx	.036	4.21
7	MP3B	X	-62.217	1.79
8	MP3B	Z	-35.921	1.79
9	MP3B	Mx	.012	1.79
10	MP3B	X	-62.217	4.21
11	MP3B	Z	-35.921	4.21
12	MP3B	Mx	.012	4.21
13	MP3C	X	-29.325	1.79
14	MP3C	Z	-16.931	1.79
15	MP3C	Mx	-.032	1.79
16	MP3C	X	-29.325	4.21
17	MP3C	Z	-16.931	4.21
18	MP3C	Mx	-.032	4.21
19	MP1A	X	-18.947	3
20	MP1A	Z	-10.939	3
21	MP1A	Mx	-.013	3
22	MP1A	X	-18.947	3
23	MP1A	Z	-10.939	3
24	MP1A	Mx	-.013	3
25	MP1B	X	-25.217	3
26	MP1B	Z	-14.559	3
27	MP1B	Mx	0	3
28	MP1B	X	-25.217	3
29	MP1B	Z	-14.559	3
30	MP1B	Mx	0	3
31	MP1C	X	-18.947	3
32	MP1C	Z	-10.939	3
33	MP1C	Mx	.013	3
34	MP1C	X	-18.947	3
35	MP1C	Z	-10.939	3
36	MP1C	Mx	.013	3
37	MP2A	X	-17.809	3
38	MP2A	Z	-10.282	3
39	MP2A	Mx	-.012	3
40	MP2A	X	-17.809	3
41	MP2A	Z	-10.282	3
42	MP2A	Mx	-.012	3
43	MP2B	X	-25.217	3
44	MP2B	Z	-14.559	3
45	MP2B	Mx	0	3
46	MP2B	X	-25.217	3
47	MP2B	Z	-14.559	3
48	MP2B	Mx	0	3
49	MP2C	X	-17.809	3
50	MP2C	Z	-10.282	3
51	MP2C	Mx	.012	3
52	MP2C	X	-17.809	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-10.282	3
54	MP2C	Mx	.012	3
55	MP2A	X	-88.168	.68
56	MP2A	Z	-50.904	.68
57	MP2A	Mx	.04	.68
58	MP2A	X	-88.168	5.33
59	MP2A	Z	-50.904	5.33
60	MP2A	Mx	.04	5.33
61	MP2B	X	-108.915	.68
62	MP2B	Z	-62.882	.68
63	MP2B	Mx	.094	.68
64	MP2B	X	-108.915	5.33
65	MP2B	Z	-62.882	5.33
66	MP2B	Mx	.094	5.33
67	MP2C	X	-77.129	.68
68	MP2C	Z	-44.531	.68
69	MP2C	Mx	-.101	.68
70	MP2C	X	-77.129	5.33
71	MP2C	Z	-44.531	5.33
72	MP2C	Mx	-.101	5.33
73	MP2A	X	-88.168	.68
74	MP2A	Z	-50.904	.68
75	MP2A	Mx	.116	.68
76	MP2A	X	-88.168	5.33
77	MP2A	Z	-50.904	5.33
78	MP2A	Mx	.116	5.33
79	MP2B	X	-108.915	.68
80	MP2B	Z	-62.882	.68
81	MP2B	Mx	-.05	.68
82	MP2B	X	-108.915	5.33
83	MP2B	Z	-62.882	5.33
84	MP2B	Mx	-.05	5.33
85	MP2C	X	-77.129	.68
86	MP2C	Z	-44.531	.68
87	MP2C	Mx	-.066	.68
88	MP2C	X	-77.129	5.33
89	MP2C	Z	-44.531	5.33
90	MP2C	Mx	-.066	5.33
91	OVPB	X	-37.977	1.5
92	OVPB	Z	-21.926	1.5
93	OVPB	Mx	.038	1.5
94	OVPB	X	-37.977	1.5
95	OVPB	Z	-21.926	1.5
96	OVPB	Mx	.038	1.5
97	OVPC	X	-37.977	1.5
98	OVPC	Z	-21.926	1.5
99	OVPC	Mx	-.038	1.5
100	OVPC	X	-37.977	1.5
101	OVPC	Z	-21.926	1.5
102	OVPC	Mx	-.038	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-33.988	1.79
2	MP3A	Z	-58.869	1.79
3	MP3A	Mx	.023	1.79
4	MP3A	X	-33.988	4.21
5	MP3A	Z	-58.869	4.21
6	MP3A	Mx	.023	4.21
7	MP3B	X	-27.393	1.79
8	MP3B	Z	-47.445	1.79
9	MP3B	Mx	.035	1.79
10	MP3B	X	-27.393	4.21
11	MP3B	Z	-47.445	4.21
12	MP3B	Mx	.035	4.21
13	MP3C	X	-14.997	1.79
14	MP3C	Z	-25.976	1.79
15	MP3C	Mx	-.03	1.79
16	MP3C	X	-14.997	4.21
17	MP3C	Z	-25.976	4.21
18	MP3C	Mx	-.03	4.21
19	MP1A	X	-13.352	3
20	MP1A	Z	-23.127	3
21	MP1A	Mx	-.009	3
22	MP1A	X	-13.352	3
23	MP1A	Z	-23.127	3
24	MP1A	Mx	-.009	3
25	MP1B	X	-13.352	3
26	MP1B	Z	-23.127	3
27	MP1B	Mx	-.009	3
28	MP1B	X	-13.352	3
29	MP1B	Z	-23.127	3
30	MP1B	Mx	-.009	3
31	MP1C	X	-9.732	3
32	MP1C	Z	-16.856	3
33	MP1C	Mx	.013	3
34	MP1C	X	-9.732	3
35	MP1C	Z	-16.856	3
36	MP1C	Mx	.013	3
37	MP2A	X	-13.133	3
38	MP2A	Z	-22.748	3
39	MP2A	Mx	-.009	3
40	MP2A	X	-13.133	3
41	MP2A	Z	-22.748	3
42	MP2A	Mx	-.009	3
43	MP2B	X	-13.133	3
44	MP2B	Z	-22.748	3
45	MP2B	Mx	-.009	3
46	MP2B	X	-13.133	3
47	MP2B	Z	-22.748	3
48	MP2B	Mx	-.009	3
49	MP2C	X	-8.856	3
50	MP2C	Z	-15.339	3
51	MP2C	Mx	.012	3
52	MP2C	X	-8.856	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-15.339	3
54	MP2C	Mx	.012	3
55	MP2A	X	-61.014	.68
56	MP2A	Z	-105.679	.68
57	MP2A	Mx	-.025	.68
58	MP2A	X	-61.014	5.33
59	MP2A	Z	-105.679	5.33
60	MP2A	Mx	-.025	5.33
61	MP2B	X	-54.641	.68
62	MP2B	Z	-94.64	.68
63	MP2B	Mx	.119	.68
64	MP2B	X	-54.641	5.33
65	MP2B	Z	-94.64	5.33
66	MP2B	Mx	.119	5.33
67	MP2C	X	-42.662	.68
68	MP2C	Z	-73.893	.68
69	MP2C	Mx	-.075	.68
70	MP2C	X	-42.662	5.33
71	MP2C	Z	-73.893	5.33
72	MP2C	Mx	-.075	5.33
73	MP2A	X	-61.014	.68
74	MP2A	Z	-105.679	.68
75	MP2A	Mx	.109	.68
76	MP2A	X	-61.014	5.33
77	MP2A	Z	-105.679	5.33
78	MP2A	Mx	.109	5.33
79	MP2B	X	-54.641	.68
80	MP2B	Z	-94.64	.68
81	MP2B	Mx	.021	.68
82	MP2B	X	-54.641	5.33
83	MP2B	Z	-94.64	5.33
84	MP2B	Mx	.021	5.33
85	MP2C	X	-42.662	.68
86	MP2C	Z	-73.893	.68
87	MP2C	Mx	-.093	.68
88	MP2C	X	-42.662	5.33
89	MP2C	Z	-73.893	5.33
90	MP2C	Mx	-.093	5.33
91	OVPB	X	-19.443	1.5
92	OVPB	Z	-33.677	1.5
93	OVPB	Mx	.039	1.5
94	OVPB	X	-19.443	1.5
95	OVPB	Z	-33.677	1.5
96	OVPB	Mx	.039	1.5
97	OVPC	X	-26.891	1.5
98	OVPC	Z	-46.577	1.5
99	OVPC	Mx	-.027	1.5
100	OVPC	X	-26.891	1.5
101	OVPC	Z	-46.577	1.5
102	OVPC	Mx	-.027	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.79
2	MP3A	Z	-15.451	1.79
3	MP3A	Mx	-.003	1.79
4	MP3A	X	0	4.21
5	MP3A	Z	-15.451	4.21
6	MP3A	Mx	-.003	4.21
7	MP3B	X	0	1.79
8	MP3B	Z	-7.995	1.79
9	MP3B	Mx	.008	1.79
10	MP3B	X	0	4.21
11	MP3B	Z	-7.995	4.21
12	MP3B	Mx	.008	4.21
13	MP3C	X	0	1.79
14	MP3C	Z	-10.585	1.79
15	MP3C	Mx	-.008	1.79
16	MP3C	X	0	4.21
17	MP3C	Z	-10.585	4.21
18	MP3C	Mx	-.008	4.21
19	MP1A	X	0	3
20	MP1A	Z	-6.802	3
21	MP1A	Mx	0	3
22	MP1A	X	0	3
23	MP1A	Z	-6.802	3
24	MP1A	Mx	0	3
25	MP1B	X	0	3
26	MP1B	Z	-5.316	3
27	MP1B	Mx	-.003	3
28	MP1B	X	0	3
29	MP1B	Z	-5.316	3
30	MP1B	Mx	-.003	3
31	MP1C	X	0	3
32	MP1C	Z	-5.316	3
33	MP1C	Mx	.003	3
34	MP1C	X	0	3
35	MP1C	Z	-5.316	3
36	MP1C	Mx	.003	3
37	MP2A	X	0	3
38	MP2A	Z	-6.802	3
39	MP2A	Mx	0	3
40	MP2A	X	0	3
41	MP2A	Z	-6.802	3
42	MP2A	Mx	0	3
43	MP2B	X	0	3
44	MP2B	Z	-5.049	3
45	MP2B	Mx	-.003	3
46	MP2B	X	0	3
47	MP2B	Z	-5.049	3
48	MP2B	Mx	-.003	3
49	MP2C	X	0	3
50	MP2C	Z	-5.049	3
51	MP2C	Mx	.003	3
52	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-5.049	3
54	MP2C	Mx	.003	3
55	MP2A	X	0	.68
56	MP2A	Z	-26.147	.68
57	MP2A	Mx	-.02	.68
58	MP2A	X	0	5.33
59	MP2A	Z	-26.147	5.33
60	MP2A	Mx	-.02	5.33
61	MP2B	X	0	.68
62	MP2B	Z	-19.46	.68
63	MP2B	Mx	.022	.68
64	MP2B	X	0	5.33
65	MP2B	Z	-19.46	5.33
66	MP2B	Mx	.022	5.33
67	MP2C	X	0	.68
68	MP2C	Z	-21.783	.68
69	MP2C	Mx	-.009	.68
70	MP2C	X	0	5.33
71	MP2C	Z	-21.783	5.33
72	MP2C	Mx	-.009	5.33
73	MP2A	X	0	.68
74	MP2A	Z	-26.147	.68
75	MP2A	Mx	.01	.68
76	MP2A	X	0	5.33
77	MP2A	Z	-26.147	5.33
78	MP2A	Mx	.01	5.33
79	MP2B	X	0	.68
80	MP2B	Z	-19.46	.68
81	MP2B	Mx	.014	.68
82	MP2B	X	0	5.33
83	MP2B	Z	-19.46	5.33
84	MP2B	Mx	.014	5.33
85	MP2C	X	0	.68
86	MP2C	Z	-21.783	.68
87	MP2C	Mx	-.025	.68
88	MP2C	X	0	5.33
89	MP2C	Z	-21.783	5.33
90	MP2C	Mx	-.025	5.33
91	OVPB	X	0	1.5
92	OVPB	Z	-9.848	1.5
93	OVPB	Mx	.009	1.5
94	OVPB	X	0	1.5
95	OVPB	Z	-9.848	1.5
96	OVPB	Mx	.009	1.5
97	OVPC	X	0	1.5
98	OVPC	Z	-12.75	1.5
99	OVPC	Mx	0	1.5
100	OVPC	X	0	1.5
101	OVPC	Z	-12.75	1.5
102	OVPC	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.051	1.79
2	MP3A	Z	-10.481	1.79
3	MP3A	Mx	-.008	1.79
4	MP3A	X	6.051	4.21
5	MP3A	Z	-10.481	4.21
6	MP3A	Mx	-.008	4.21
7	MP3B	X	3.618	1.79
8	MP3B	Z	-6.267	1.79
9	MP3B	Mx	.007	1.79
10	MP3B	X	3.618	4.21
11	MP3B	Z	-6.267	4.21
12	MP3B	Mx	.007	4.21
13	MP3C	X	7.346	1.79
14	MP3C	Z	-12.724	1.79
15	MP3C	Mx	-.005	1.79
16	MP3C	X	7.346	4.21
17	MP3C	Z	-12.724	4.21
18	MP3C	Mx	-.005	4.21
19	MP1A	X	3.153	3
20	MP1A	Z	-5.462	3
21	MP1A	Mx	.002	3
22	MP1A	X	3.153	3
23	MP1A	Z	-5.462	3
24	MP1A	Mx	.002	3
25	MP1B	X	2.411	3
26	MP1B	Z	-4.175	3
27	MP1B	Mx	-.003	3
28	MP1B	X	2.411	3
29	MP1B	Z	-4.175	3
30	MP1B	Mx	-.003	3
31	MP1C	X	3.153	3
32	MP1C	Z	-5.462	3
33	MP1C	Mx	.002	3
34	MP1C	X	3.153	3
35	MP1C	Z	-5.462	3
36	MP1C	Mx	.002	3
37	MP2A	X	3.109	3
38	MP2A	Z	-5.385	3
39	MP2A	Mx	.002	3
40	MP2A	X	3.109	3
41	MP2A	Z	-5.385	3
42	MP2A	Mx	.002	3
43	MP2B	X	2.232	3
44	MP2B	Z	-3.867	3
45	MP2B	Mx	-.003	3
46	MP2B	X	2.232	3
47	MP2B	Z	-3.867	3
48	MP2B	Mx	-.003	3
49	MP2C	X	3.109	3
50	MP2C	Z	-5.385	3
51	MP2C	Mx	.002	3
52	MP2C	X	3.109	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-5.385	3
54	MP2C	Mx	.002	3
55	MP2A	X	11.572	.68
56	MP2A	Z	-20.044	.68
57	MP2A	Mx	-.025	.68
58	MP2A	X	11.572	5.33
59	MP2A	Z	-20.044	5.33
60	MP2A	Mx	-.025	5.33
61	MP2B	X	9.39	.68
62	MP2B	Z	-16.264	.68
63	MP2B	Mx	.017	.68
64	MP2B	X	9.39	5.33
65	MP2B	Z	-16.264	5.33
66	MP2B	Mx	.017	5.33
67	MP2C	X	12.733	.68
68	MP2C	Z	-22.055	.68
69	MP2C	Mx	.005	.68
70	MP2C	X	12.733	5.33
71	MP2C	Z	-22.055	5.33
72	MP2C	Mx	.005	5.33
73	MP2A	X	11.572	.68
74	MP2A	Z	-20.044	.68
75	MP2A	Mx	-.005	.68
76	MP2A	X	11.572	5.33
77	MP2A	Z	-20.044	5.33
78	MP2A	Mx	-.005	5.33
79	MP2B	X	9.39	.68
80	MP2B	Z	-16.264	.68
81	MP2B	Mx	.02	.68
82	MP2B	X	9.39	5.33
83	MP2B	Z	-16.264	5.33
84	MP2B	Mx	.02	5.33
85	MP2C	X	12.733	.68
86	MP2C	Z	-22.055	.68
87	MP2C	Mx	-.023	.68
88	MP2C	X	12.733	5.33
89	MP2C	Z	-22.055	5.33
90	MP2C	Mx	-.023	5.33
91	OVPB	X	5.891	1.5
92	OVPB	Z	-10.204	1.5
93	OVPB	Mx	.006	1.5
94	OVPB	X	5.891	1.5
95	OVPB	Z	-10.204	1.5
96	OVPB	Mx	.006	1.5
97	OVPC	X	5.891	1.5
98	OVPC	Z	-10.204	1.5
99	OVPC	Mx	.006	1.5
100	OVPC	X	5.891	1.5
101	OVPC	Z	-10.204	1.5
102	OVPC	Mx	.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.924	1.79
2	MP3A	Z	-3.998	1.79
3	MP3A	Mx	-.008	1.79
4	MP3A	X	6.924	4.21
5	MP3A	Z	-3.998	4.21
6	MP3A	Mx	-.008	4.21
7	MP3B	X	9.166	1.79
8	MP3B	Z	-5.292	1.79
9	MP3B	Mx	.008	1.79
10	MP3B	X	9.166	4.21
11	MP3B	Z	-5.292	4.21
12	MP3B	Mx	.008	4.21
13	MP3C	X	13.381	1.79
14	MP3C	Z	-7.726	1.79
15	MP3C	Mx	.003	1.79
16	MP3C	X	13.381	4.21
17	MP3C	Z	-7.726	4.21
18	MP3C	Mx	.003	4.21
19	MP1A	X	4.604	3
20	MP1A	Z	-2.658	3
21	MP1A	Mx	.003	3
22	MP1A	X	4.604	3
23	MP1A	Z	-2.658	3
24	MP1A	Mx	.003	3
25	MP1B	X	4.604	3
26	MP1B	Z	-2.658	3
27	MP1B	Mx	-.003	3
28	MP1B	X	4.604	3
29	MP1B	Z	-2.658	3
30	MP1B	Mx	-.003	3
31	MP1C	X	5.891	3
32	MP1C	Z	-3.401	3
33	MP1C	Mx	0	3
34	MP1C	X	5.891	3
35	MP1C	Z	-3.401	3
36	MP1C	Mx	0	3
37	MP2A	X	4.373	3
38	MP2A	Z	-2.524	3
39	MP2A	Mx	.003	3
40	MP2A	X	4.373	3
41	MP2A	Z	-2.524	3
42	MP2A	Mx	.003	3
43	MP2B	X	4.373	3
44	MP2B	Z	-2.524	3
45	MP2B	Mx	-.003	3
46	MP2B	X	4.373	3
47	MP2B	Z	-2.524	3
48	MP2B	Mx	-.003	3
49	MP2C	X	5.891	3
50	MP2C	Z	-3.401	3
51	MP2C	Mx	0	3
52	MP2C	X	5.891	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-3.401	3
54	MP2C	Mx	0	3
55	MP2A	X	16.853	.68
56	MP2A	Z	-9.73	.68
57	MP2A	Mx	-.022	.68
58	MP2A	X	16.853	5.33
59	MP2A	Z	-9.73	5.33
60	MP2A	Mx	-.022	5.33
61	MP2B	X	18.864	.68
62	MP2B	Z	-10.891	.68
63	MP2B	Mx	.009	.68
64	MP2B	X	18.864	5.33
65	MP2B	Z	-10.891	5.33
66	MP2B	Mx	.009	5.33
67	MP2C	X	22.644	.68
68	MP2C	Z	-13.074	.68
69	MP2C	Mx	.02	.68
70	MP2C	X	22.644	5.33
71	MP2C	Z	-13.074	5.33
72	MP2C	Mx	.02	5.33
73	MP2A	X	16.853	.68
74	MP2A	Z	-9.73	.68
75	MP2A	Mx	-.014	.68
76	MP2A	X	16.853	5.33
77	MP2A	Z	-9.73	5.33
78	MP2A	Mx	-.014	5.33
79	MP2B	X	18.864	.68
80	MP2B	Z	-10.891	.68
81	MP2B	Mx	.025	.68
82	MP2B	X	18.864	5.33
83	MP2B	Z	-10.891	5.33
84	MP2B	Mx	.025	5.33
85	MP2C	X	22.644	.68
86	MP2C	Z	-13.074	.68
87	MP2C	Mx	-.01	.68
88	MP2C	X	22.644	5.33
89	MP2C	Z	-13.074	5.33
90	MP2C	Mx	-.01	5.33
91	OVPB	X	11.042	1.5
92	OVPB	Z	-6.375	1.5
93	OVPB	Mx	0	1.5
94	OVPB	X	11.042	1.5
95	OVPB	Z	-6.375	1.5
96	OVPB	Mx	0	1.5
97	OVPC	X	8.528	1.5
98	OVPC	Z	-4.924	1.5
99	OVPC	Mx	.009	1.5
100	OVPC	X	8.528	1.5
101	OVPC	Z	-4.924	1.5
102	OVPC	Mx	.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.236	1.79
2	MP3A	Z	0	1.79
3	MP3A	Mx	-.007	1.79
4	MP3A	X	7.236	4.21
5	MP3A	Z	0	4.21
6	MP3A	Mx	-.007	4.21
7	MP3B	X	14.692	1.79
8	MP3B	Z	0	1.79
9	MP3B	Mx	.005	1.79
10	MP3B	X	14.692	4.21
11	MP3B	Z	0	4.21
12	MP3B	Mx	.005	4.21
13	MP3C	X	12.103	1.79
14	MP3C	Z	0	1.79
15	MP3C	Mx	.008	1.79
16	MP3C	X	12.103	4.21
17	MP3C	Z	0	4.21
18	MP3C	Mx	.008	4.21
19	MP1A	X	4.821	3
20	MP1A	Z	0	3
21	MP1A	Mx	.003	3
22	MP1A	X	4.821	3
23	MP1A	Z	0	3
24	MP1A	Mx	.003	3
25	MP1B	X	6.307	3
26	MP1B	Z	0	3
27	MP1B	Mx	-.002	3
28	MP1B	X	6.307	3
29	MP1B	Z	0	3
30	MP1B	Mx	-.002	3
31	MP1C	X	6.307	3
32	MP1C	Z	0	3
33	MP1C	Mx	-.002	3
34	MP1C	X	6.307	3
35	MP1C	Z	0	3
36	MP1C	Mx	-.002	3
37	MP2A	X	4.465	3
38	MP2A	Z	0	3
39	MP2A	Mx	.003	3
40	MP2A	X	4.465	3
41	MP2A	Z	0	3
42	MP2A	Mx	.003	3
43	MP2B	X	6.218	3
44	MP2B	Z	0	3
45	MP2B	Mx	-.002	3
46	MP2B	X	6.218	3
47	MP2B	Z	0	3
48	MP2B	Mx	-.002	3
49	MP2C	X	6.218	3
50	MP2C	Z	0	3
51	MP2C	Mx	-.002	3
52	MP2C	X	6.218	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	3
54	MP2C	Mx	-.002	3
55	MP2A	X	18.78	.68
56	MP2A	Z	0	.68
57	MP2A	Mx	-.017	.68
58	MP2A	X	18.78	5.33
59	MP2A	Z	0	5.33
60	MP2A	Mx	-.017	5.33
61	MP2B	X	25.467	.68
62	MP2B	Z	0	.68
63	MP2B	Mx	-.005	.68
64	MP2B	X	25.467	5.33
65	MP2B	Z	0	5.33
66	MP2B	Mx	-.005	5.33
67	MP2C	X	23.144	.68
68	MP2C	Z	0	.68
69	MP2C	Mx	.025	.68
70	MP2C	X	23.144	5.33
71	MP2C	Z	0	5.33
72	MP2C	Mx	.025	5.33
73	MP2A	X	18.78	.68
74	MP2A	Z	0	.68
75	MP2A	Mx	-.02	.68
76	MP2A	X	18.78	5.33
77	MP2A	Z	0	5.33
78	MP2A	Mx	-.02	5.33
79	MP2B	X	25.467	.68
80	MP2B	Z	0	.68
81	MP2B	Mx	.023	.68
82	MP2B	X	25.467	5.33
83	MP2B	Z	0	5.33
84	MP2B	Mx	.023	5.33
85	MP2C	X	23.144	.68
86	MP2C	Z	0	.68
87	MP2C	Mx	.005	.68
88	MP2C	X	23.144	5.33
89	MP2C	Z	0	5.33
90	MP2C	Mx	.005	5.33
91	OVPB	X	11.783	1.5
92	OVPB	Z	0	1.5
93	OVPB	Mx	-.006	1.5
94	OVPB	X	11.783	1.5
95	OVPB	Z	0	1.5
96	OVPB	Mx	-.006	1.5
97	OVPC	X	8.88	1.5
98	OVPC	Z	0	1.5
99	OVPC	Mx	.009	1.5
100	OVPC	X	8.88	1.5
101	OVPC	Z	0	1.5
102	OVPC	Mx	.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.166	1.79
2	MP3A	Z	5.292	1.79
3	MP3A	Mx	-.008	1.79
4	MP3A	X	9.166	4.21
5	MP3A	Z	5.292	4.21
6	MP3A	Mx	-.008	4.21
7	MP3B	X	13.381	1.79
8	MP3B	Z	7.726	1.79
9	MP3B	Mx	-.003	1.79
10	MP3B	X	13.381	4.21
11	MP3B	Z	7.726	4.21
12	MP3B	Mx	-.003	4.21
13	MP3C	X	6.924	1.79
14	MP3C	Z	3.998	1.79
15	MP3C	Mx	.008	1.79
16	MP3C	X	6.924	4.21
17	MP3C	Z	3.998	4.21
18	MP3C	Mx	.008	4.21
19	MP1A	X	4.604	3
20	MP1A	Z	2.658	3
21	MP1A	Mx	.003	3
22	MP1A	X	4.604	3
23	MP1A	Z	2.658	3
24	MP1A	Mx	.003	3
25	MP1B	X	5.891	3
26	MP1B	Z	3.401	3
27	MP1B	Mx	0	3
28	MP1B	X	5.891	3
29	MP1B	Z	3.401	3
30	MP1B	Mx	0	3
31	MP1C	X	4.604	3
32	MP1C	Z	2.658	3
33	MP1C	Mx	-.003	3
34	MP1C	X	4.604	3
35	MP1C	Z	2.658	3
36	MP1C	Mx	-.003	3
37	MP2A	X	4.373	3
38	MP2A	Z	2.524	3
39	MP2A	Mx	.003	3
40	MP2A	X	4.373	3
41	MP2A	Z	2.524	3
42	MP2A	Mx	.003	3
43	MP2B	X	5.891	3
44	MP2B	Z	3.401	3
45	MP2B	Mx	0	3
46	MP2B	X	5.891	3
47	MP2B	Z	3.401	3
48	MP2B	Mx	0	3
49	MP2C	X	4.373	3
50	MP2C	Z	2.524	3
51	MP2C	Mx	-.003	3
52	MP2C	X	4.373	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	2.524	3
54	MP2C	Mx	-.003	3
55	MP2A	X	18.864	.68
56	MP2A	Z	10.891	.68
57	MP2A	Mx	-.009	.68
58	MP2A	X	18.864	5.33
59	MP2A	Z	10.891	5.33
60	MP2A	Mx	-.009	5.33
61	MP2B	X	22.644	.68
62	MP2B	Z	13.074	.68
63	MP2B	Mx	-.02	.68
64	MP2B	X	22.644	5.33
65	MP2B	Z	13.074	5.33
66	MP2B	Mx	-.02	5.33
67	MP2C	X	16.853	.68
68	MP2C	Z	9.73	.68
69	MP2C	Mx	.022	.68
70	MP2C	X	16.853	5.33
71	MP2C	Z	9.73	5.33
72	MP2C	Mx	.022	5.33
73	MP2A	X	18.864	.68
74	MP2A	Z	10.891	.68
75	MP2A	Mx	-.025	.68
76	MP2A	X	18.864	5.33
77	MP2A	Z	10.891	5.33
78	MP2A	Mx	-.025	5.33
79	MP2B	X	22.644	.68
80	MP2B	Z	13.074	.68
81	MP2B	Mx	.01	.68
82	MP2B	X	22.644	5.33
83	MP2B	Z	13.074	5.33
84	MP2B	Mx	.01	5.33
85	MP2C	X	16.853	.68
86	MP2C	Z	9.73	.68
87	MP2C	Mx	.014	.68
88	MP2C	X	16.853	5.33
89	MP2C	Z	9.73	5.33
90	MP2C	Mx	.014	5.33
91	OVPB	X	8.528	1.5
92	OVPB	Z	4.924	1.5
93	OVPB	Mx	-.009	1.5
94	OVPB	X	8.528	1.5
95	OVPB	Z	4.924	1.5
96	OVPB	Mx	-.009	1.5
97	OVPC	X	8.528	1.5
98	OVPC	Z	4.924	1.5
99	OVPC	Mx	.009	1.5
100	OVPC	X	8.528	1.5
101	OVPC	Z	4.924	1.5
102	OVPC	Mx	.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.346	1.79
2	MP3A	Z	12.724	1.79
3	MP3A	Mx	-.005	1.79
4	MP3A	X	7.346	4.21
5	MP3A	Z	12.724	4.21
6	MP3A	Mx	-.005	4.21
7	MP3B	X	6.051	1.79
8	MP3B	Z	10.481	1.79
9	MP3B	Mx	-.008	1.79
10	MP3B	X	6.051	4.21
11	MP3B	Z	10.481	4.21
12	MP3B	Mx	-.008	4.21
13	MP3C	X	3.618	1.79
14	MP3C	Z	6.267	1.79
15	MP3C	Mx	.007	1.79
16	MP3C	X	3.618	4.21
17	MP3C	Z	6.267	4.21
18	MP3C	Mx	.007	4.21
19	MP1A	X	3.153	3
20	MP1A	Z	5.462	3
21	MP1A	Mx	.002	3
22	MP1A	X	3.153	3
23	MP1A	Z	5.462	3
24	MP1A	Mx	.002	3
25	MP1B	X	3.153	3
26	MP1B	Z	5.462	3
27	MP1B	Mx	.002	3
28	MP1B	X	3.153	3
29	MP1B	Z	5.462	3
30	MP1B	Mx	.002	3
31	MP1C	X	2.411	3
32	MP1C	Z	4.175	3
33	MP1C	Mx	-.003	3
34	MP1C	X	2.411	3
35	MP1C	Z	4.175	3
36	MP1C	Mx	-.003	3
37	MP2A	X	3.109	3
38	MP2A	Z	5.385	3
39	MP2A	Mx	.002	3
40	MP2A	X	3.109	3
41	MP2A	Z	5.385	3
42	MP2A	Mx	.002	3
43	MP2B	X	3.109	3
44	MP2B	Z	5.385	3
45	MP2B	Mx	.002	3
46	MP2B	X	3.109	3
47	MP2B	Z	5.385	3
48	MP2B	Mx	.002	3
49	MP2C	X	2.232	3
50	MP2C	Z	3.867	3
51	MP2C	Mx	-.003	3
52	MP2C	X	2.232	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	3.867	3
54	MP2C	Mx	-.003	3
55	MP2A	X	12.733	.68
56	MP2A	Z	22.055	.68
57	MP2A	Mx	.005	.68
58	MP2A	X	12.733	5.33
59	MP2A	Z	22.055	5.33
60	MP2A	Mx	.005	5.33
61	MP2B	X	11.572	.68
62	MP2B	Z	20.044	.68
63	MP2B	Mx	-.025	.68
64	MP2B	X	11.572	5.33
65	MP2B	Z	20.044	5.33
66	MP2B	Mx	-.025	5.33
67	MP2C	X	9.39	.68
68	MP2C	Z	16.264	.68
69	MP2C	Mx	.017	.68
70	MP2C	X	9.39	5.33
71	MP2C	Z	16.264	5.33
72	MP2C	Mx	.017	5.33
73	MP2A	X	12.733	.68
74	MP2A	Z	22.055	.68
75	MP2A	Mx	-.023	.68
76	MP2A	X	12.733	5.33
77	MP2A	Z	22.055	5.33
78	MP2A	Mx	-.023	5.33
79	MP2B	X	11.572	.68
80	MP2B	Z	20.044	.68
81	MP2B	Mx	-.005	.68
82	MP2B	X	11.572	5.33
83	MP2B	Z	20.044	5.33
84	MP2B	Mx	-.005	5.33
85	MP2C	X	9.39	.68
86	MP2C	Z	16.264	.68
87	MP2C	Mx	.02	.68
88	MP2C	X	9.39	5.33
89	MP2C	Z	16.264	5.33
90	MP2C	Mx	.02	5.33
91	OVPB	X	4.44	1.5
92	OVPB	Z	7.691	1.5
93	OVPB	Mx	-.009	1.5
94	OVPB	X	4.44	1.5
95	OVPB	Z	7.691	1.5
96	OVPB	Mx	-.009	1.5
97	OVPC	X	5.891	1.5
98	OVPC	Z	10.204	1.5
99	OVPC	Mx	.006	1.5
100	OVPC	X	5.891	1.5
101	OVPC	Z	10.204	1.5
102	OVPC	Mx	.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.79
2	MP3A	Z	15.451	1.79
3	MP3A	Mx	.003	1.79
4	MP3A	X	0	4.21
5	MP3A	Z	15.451	4.21
6	MP3A	Mx	.003	4.21
7	MP3B	X	0	1.79
8	MP3B	Z	7.995	1.79
9	MP3B	Mx	-.008	1.79
10	MP3B	X	0	4.21
11	MP3B	Z	7.995	4.21
12	MP3B	Mx	-.008	4.21
13	MP3C	X	0	1.79
14	MP3C	Z	10.585	1.79
15	MP3C	Mx	.008	1.79
16	MP3C	X	0	4.21
17	MP3C	Z	10.585	4.21
18	MP3C	Mx	.008	4.21
19	MP1A	X	0	3
20	MP1A	Z	6.802	3
21	MP1A	Mx	0	3
22	MP1A	X	0	3
23	MP1A	Z	6.802	3
24	MP1A	Mx	0	3
25	MP1B	X	0	3
26	MP1B	Z	5.316	3
27	MP1B	Mx	.003	3
28	MP1B	X	0	3
29	MP1B	Z	5.316	3
30	MP1B	Mx	.003	3
31	MP1C	X	0	3
32	MP1C	Z	5.316	3
33	MP1C	Mx	-.003	3
34	MP1C	X	0	3
35	MP1C	Z	5.316	3
36	MP1C	Mx	-.003	3
37	MP2A	X	0	3
38	MP2A	Z	6.802	3
39	MP2A	Mx	0	3
40	MP2A	X	0	3
41	MP2A	Z	6.802	3
42	MP2A	Mx	0	3
43	MP2B	X	0	3
44	MP2B	Z	5.049	3
45	MP2B	Mx	.003	3
46	MP2B	X	0	3
47	MP2B	Z	5.049	3
48	MP2B	Mx	.003	3
49	MP2C	X	0	3
50	MP2C	Z	5.049	3
51	MP2C	Mx	-.003	3
52	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	5.049	3
54	MP2C	Mx	-.003	3
55	MP2A	X	0	.68
56	MP2A	Z	26.147	.68
57	MP2A	Mx	.02	.68
58	MP2A	X	0	5.33
59	MP2A	Z	26.147	5.33
60	MP2A	Mx	.02	5.33
61	MP2B	X	0	.68
62	MP2B	Z	19.46	.68
63	MP2B	Mx	-.022	.68
64	MP2B	X	0	5.33
65	MP2B	Z	19.46	5.33
66	MP2B	Mx	-.022	5.33
67	MP2C	X	0	.68
68	MP2C	Z	21.783	.68
69	MP2C	Mx	.009	.68
70	MP2C	X	0	5.33
71	MP2C	Z	21.783	5.33
72	MP2C	Mx	.009	5.33
73	MP2A	X	0	.68
74	MP2A	Z	26.147	.68
75	MP2A	Mx	-.01	.68
76	MP2A	X	0	5.33
77	MP2A	Z	26.147	5.33
78	MP2A	Mx	-.01	5.33
79	MP2B	X	0	.68
80	MP2B	Z	19.46	.68
81	MP2B	Mx	-.014	.68
82	MP2B	X	0	5.33
83	MP2B	Z	19.46	5.33
84	MP2B	Mx	-.014	5.33
85	MP2C	X	0	.68
86	MP2C	Z	21.783	.68
87	MP2C	Mx	.025	.68
88	MP2C	X	0	5.33
89	MP2C	Z	21.783	5.33
90	MP2C	Mx	.025	5.33
91	OVPB	X	0	1.5
92	OVPB	Z	9.848	1.5
93	OVPB	Mx	-.009	1.5
94	OVPB	X	0	1.5
95	OVPB	Z	9.848	1.5
96	OVPB	Mx	-.009	1.5
97	OVPC	X	0	1.5
98	OVPC	Z	12.75	1.5
99	OVPC	Mx	0	1.5
100	OVPC	X	0	1.5
101	OVPC	Z	12.75	1.5
102	OVPC	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.051	1.79
2	MP3A	Z	10.481	1.79
3	MP3A	Mx	.008	1.79
4	MP3A	X	-6.051	4.21
5	MP3A	Z	10.481	4.21
6	MP3A	Mx	.008	4.21
7	MP3B	X	-3.618	1.79
8	MP3B	Z	6.267	1.79
9	MP3B	Mx	-.007	1.79
10	MP3B	X	-3.618	4.21
11	MP3B	Z	6.267	4.21
12	MP3B	Mx	-.007	4.21
13	MP3C	X	-7.346	1.79
14	MP3C	Z	12.724	1.79
15	MP3C	Mx	.005	1.79
16	MP3C	X	-7.346	4.21
17	MP3C	Z	12.724	4.21
18	MP3C	Mx	.005	4.21
19	MP1A	X	-3.153	3
20	MP1A	Z	5.462	3
21	MP1A	Mx	-.002	3
22	MP1A	X	-3.153	3
23	MP1A	Z	5.462	3
24	MP1A	Mx	-.002	3
25	MP1B	X	-2.411	3
26	MP1B	Z	4.175	3
27	MP1B	Mx	.003	3
28	MP1B	X	-2.411	3
29	MP1B	Z	4.175	3
30	MP1B	Mx	.003	3
31	MP1C	X	-3.153	3
32	MP1C	Z	5.462	3
33	MP1C	Mx	-.002	3
34	MP1C	X	-3.153	3
35	MP1C	Z	5.462	3
36	MP1C	Mx	-.002	3
37	MP2A	X	-3.109	3
38	MP2A	Z	5.385	3
39	MP2A	Mx	-.002	3
40	MP2A	X	-3.109	3
41	MP2A	Z	5.385	3
42	MP2A	Mx	-.002	3
43	MP2B	X	-2.232	3
44	MP2B	Z	3.867	3
45	MP2B	Mx	.003	3
46	MP2B	X	-2.232	3
47	MP2B	Z	3.867	3
48	MP2B	Mx	.003	3
49	MP2C	X	-3.109	3
50	MP2C	Z	5.385	3
51	MP2C	Mx	-.002	3
52	MP2C	X	-3.109	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	5.385	3
54	MP2C	Mx	-.002	3
55	MP2A	X	-11.572	.68
56	MP2A	Z	20.044	.68
57	MP2A	Mx	.025	.68
58	MP2A	X	-11.572	5.33
59	MP2A	Z	20.044	5.33
60	MP2A	Mx	.025	5.33
61	MP2B	X	-9.39	.68
62	MP2B	Z	16.264	.68
63	MP2B	Mx	-.017	.68
64	MP2B	X	-9.39	5.33
65	MP2B	Z	16.264	5.33
66	MP2B	Mx	-.017	5.33
67	MP2C	X	-12.733	.68
68	MP2C	Z	22.055	.68
69	MP2C	Mx	-.005	.68
70	MP2C	X	-12.733	5.33
71	MP2C	Z	22.055	5.33
72	MP2C	Mx	-.005	5.33
73	MP2A	X	-11.572	.68
74	MP2A	Z	20.044	.68
75	MP2A	Mx	.005	.68
76	MP2A	X	-11.572	5.33
77	MP2A	Z	20.044	5.33
78	MP2A	Mx	.005	5.33
79	MP2B	X	-9.39	.68
80	MP2B	Z	16.264	.68
81	MP2B	Mx	-.02	.68
82	MP2B	X	-9.39	5.33
83	MP2B	Z	16.264	5.33
84	MP2B	Mx	-.02	5.33
85	MP2C	X	-12.733	.68
86	MP2C	Z	22.055	.68
87	MP2C	Mx	.023	.68
88	MP2C	X	-12.733	5.33
89	MP2C	Z	22.055	5.33
90	MP2C	Mx	.023	5.33
91	OVPB	X	-5.891	1.5
92	OVPB	Z	10.204	1.5
93	OVPB	Mx	-.006	1.5
94	OVPB	X	-5.891	1.5
95	OVPB	Z	10.204	1.5
96	OVPB	Mx	-.006	1.5
97	OVPC	X	-5.891	1.5
98	OVPC	Z	10.204	1.5
99	OVPC	Mx	-.006	1.5
100	OVPC	X	-5.891	1.5
101	OVPC	Z	10.204	1.5
102	OVPC	Mx	-.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.924	1.79
2	MP3A	Z	3.998	1.79
3	MP3A	Mx	.008	1.79
4	MP3A	X	-6.924	4.21
5	MP3A	Z	3.998	4.21
6	MP3A	Mx	.008	4.21
7	MP3B	X	-9.166	1.79
8	MP3B	Z	5.292	1.79
9	MP3B	Mx	-.008	1.79
10	MP3B	X	-9.166	4.21
11	MP3B	Z	5.292	4.21
12	MP3B	Mx	-.008	4.21
13	MP3C	X	-13.381	1.79
14	MP3C	Z	7.726	1.79
15	MP3C	Mx	-.003	1.79
16	MP3C	X	-13.381	4.21
17	MP3C	Z	7.726	4.21
18	MP3C	Mx	-.003	4.21
19	MP1A	X	-4.604	3
20	MP1A	Z	2.658	3
21	MP1A	Mx	-.003	3
22	MP1A	X	-4.604	3
23	MP1A	Z	2.658	3
24	MP1A	Mx	-.003	3
25	MP1B	X	-4.604	3
26	MP1B	Z	2.658	3
27	MP1B	Mx	.003	3
28	MP1B	X	-4.604	3
29	MP1B	Z	2.658	3
30	MP1B	Mx	.003	3
31	MP1C	X	-5.891	3
32	MP1C	Z	3.401	3
33	MP1C	Mx	0	3
34	MP1C	X	-5.891	3
35	MP1C	Z	3.401	3
36	MP1C	Mx	0	3
37	MP2A	X	-4.373	3
38	MP2A	Z	2.524	3
39	MP2A	Mx	-.003	3
40	MP2A	X	-4.373	3
41	MP2A	Z	2.524	3
42	MP2A	Mx	-.003	3
43	MP2B	X	-4.373	3
44	MP2B	Z	2.524	3
45	MP2B	Mx	.003	3
46	MP2B	X	-4.373	3
47	MP2B	Z	2.524	3
48	MP2B	Mx	.003	3
49	MP2C	X	-5.891	3
50	MP2C	Z	3.401	3
51	MP2C	Mx	0	3
52	MP2C	X	-5.891	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	3.401	3
54	MP2C	Mx	0	3
55	MP2A	X	-16.853	.68
56	MP2A	Z	9.73	.68
57	MP2A	Mx	.022	.68
58	MP2A	X	-16.853	5.33
59	MP2A	Z	9.73	5.33
60	MP2A	Mx	.022	5.33
61	MP2B	X	-18.864	.68
62	MP2B	Z	10.891	.68
63	MP2B	Mx	-.009	.68
64	MP2B	X	-18.864	5.33
65	MP2B	Z	10.891	5.33
66	MP2B	Mx	-.009	5.33
67	MP2C	X	-22.644	.68
68	MP2C	Z	13.074	.68
69	MP2C	Mx	-.02	.68
70	MP2C	X	-22.644	5.33
71	MP2C	Z	13.074	5.33
72	MP2C	Mx	-.02	5.33
73	MP2A	X	-16.853	.68
74	MP2A	Z	9.73	.68
75	MP2A	Mx	.014	.68
76	MP2A	X	-16.853	5.33
77	MP2A	Z	9.73	5.33
78	MP2A	Mx	.014	5.33
79	MP2B	X	-18.864	.68
80	MP2B	Z	10.891	.68
81	MP2B	Mx	-.025	.68
82	MP2B	X	-18.864	5.33
83	MP2B	Z	10.891	5.33
84	MP2B	Mx	-.025	5.33
85	MP2C	X	-22.644	.68
86	MP2C	Z	13.074	.68
87	MP2C	Mx	.01	.68
88	MP2C	X	-22.644	5.33
89	MP2C	Z	13.074	5.33
90	MP2C	Mx	.01	5.33
91	OVPB	X	-11.042	1.5
92	OVPB	Z	6.375	1.5
93	OVPB	Mx	0	1.5
94	OVPB	X	-11.042	1.5
95	OVPB	Z	6.375	1.5
96	OVPB	Mx	0	1.5
97	OVPC	X	-8.528	1.5
98	OVPC	Z	4.924	1.5
99	OVPC	Mx	-.009	1.5
100	OVPC	X	-8.528	1.5
101	OVPC	Z	4.924	1.5
102	OVPC	Mx	-.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.236	1.79
2	MP3A	Z	0	1.79
3	MP3A	Mx	.007	1.79
4	MP3A	X	-7.236	4.21
5	MP3A	Z	0	4.21
6	MP3A	Mx	.007	4.21
7	MP3B	X	-14.692	1.79
8	MP3B	Z	0	1.79
9	MP3B	Mx	-.005	1.79
10	MP3B	X	-14.692	4.21
11	MP3B	Z	0	4.21
12	MP3B	Mx	-.005	4.21
13	MP3C	X	-12.103	1.79
14	MP3C	Z	0	1.79
15	MP3C	Mx	-.008	1.79
16	MP3C	X	-12.103	4.21
17	MP3C	Z	0	4.21
18	MP3C	Mx	-.008	4.21
19	MP1A	X	-4.821	3
20	MP1A	Z	0	3
21	MP1A	Mx	-.003	3
22	MP1A	X	-4.821	3
23	MP1A	Z	0	3
24	MP1A	Mx	-.003	3
25	MP1B	X	-6.307	3
26	MP1B	Z	0	3
27	MP1B	Mx	.002	3
28	MP1B	X	-6.307	3
29	MP1B	Z	0	3
30	MP1B	Mx	.002	3
31	MP1C	X	-6.307	3
32	MP1C	Z	0	3
33	MP1C	Mx	.002	3
34	MP1C	X	-6.307	3
35	MP1C	Z	0	3
36	MP1C	Mx	.002	3
37	MP2A	X	-4.465	3
38	MP2A	Z	0	3
39	MP2A	Mx	-.003	3
40	MP2A	X	-4.465	3
41	MP2A	Z	0	3
42	MP2A	Mx	-.003	3
43	MP2B	X	-6.218	3
44	MP2B	Z	0	3
45	MP2B	Mx	.002	3
46	MP2B	X	-6.218	3
47	MP2B	Z	0	3
48	MP2B	Mx	.002	3
49	MP2C	X	-6.218	3
50	MP2C	Z	0	3
51	MP2C	Mx	.002	3
52	MP2C	X	-6.218	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	3
54	MP2C	Mx	.002	3
55	MP2A	X	-18.78	.68
56	MP2A	Z	0	.68
57	MP2A	Mx	.017	.68
58	MP2A	X	-18.78	5.33
59	MP2A	Z	0	5.33
60	MP2A	Mx	.017	5.33
61	MP2B	X	-25.467	.68
62	MP2B	Z	0	.68
63	MP2B	Mx	.005	.68
64	MP2B	X	-25.467	5.33
65	MP2B	Z	0	5.33
66	MP2B	Mx	.005	5.33
67	MP2C	X	-23.144	.68
68	MP2C	Z	0	.68
69	MP2C	Mx	-.025	.68
70	MP2C	X	-23.144	5.33
71	MP2C	Z	0	5.33
72	MP2C	Mx	-.025	5.33
73	MP2A	X	-18.78	.68
74	MP2A	Z	0	.68
75	MP2A	Mx	.02	.68
76	MP2A	X	-18.78	5.33
77	MP2A	Z	0	5.33
78	MP2A	Mx	.02	5.33
79	MP2B	X	-25.467	.68
80	MP2B	Z	0	.68
81	MP2B	Mx	-.023	.68
82	MP2B	X	-25.467	5.33
83	MP2B	Z	0	5.33
84	MP2B	Mx	-.023	5.33
85	MP2C	X	-23.144	.68
86	MP2C	Z	0	.68
87	MP2C	Mx	-.005	.68
88	MP2C	X	-23.144	5.33
89	MP2C	Z	0	5.33
90	MP2C	Mx	-.005	5.33
91	OVPB	X	-11.783	1.5
92	OVPB	Z	0	1.5
93	OVPB	Mx	.006	1.5
94	OVPB	X	-11.783	1.5
95	OVPB	Z	0	1.5
96	OVPB	Mx	.006	1.5
97	OVPC	X	-8.88	1.5
98	OVPC	Z	0	1.5
99	OVPC	Mx	-.009	1.5
100	OVPC	X	-8.88	1.5
101	OVPC	Z	0	1.5
102	OVPC	Mx	-.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.166	1.79
2	MP3A	Z	-5.292	1.79
3	MP3A	Mx	.008	1.79
4	MP3A	X	-9.166	4.21
5	MP3A	Z	-5.292	4.21
6	MP3A	Mx	.008	4.21
7	MP3B	X	-13.381	1.79
8	MP3B	Z	-7.726	1.79
9	MP3B	Mx	.003	1.79
10	MP3B	X	-13.381	4.21
11	MP3B	Z	-7.726	4.21
12	MP3B	Mx	.003	4.21
13	MP3C	X	-6.924	1.79
14	MP3C	Z	-3.998	1.79
15	MP3C	Mx	-.008	1.79
16	MP3C	X	-6.924	4.21
17	MP3C	Z	-3.998	4.21
18	MP3C	Mx	-.008	4.21
19	MP1A	X	-4.604	3
20	MP1A	Z	-2.658	3
21	MP1A	Mx	-.003	3
22	MP1A	X	-4.604	3
23	MP1A	Z	-2.658	3
24	MP1A	Mx	-.003	3
25	MP1B	X	-5.891	3
26	MP1B	Z	-3.401	3
27	MP1B	Mx	0	3
28	MP1B	X	-5.891	3
29	MP1B	Z	-3.401	3
30	MP1B	Mx	0	3
31	MP1C	X	-4.604	3
32	MP1C	Z	-2.658	3
33	MP1C	Mx	.003	3
34	MP1C	X	-4.604	3
35	MP1C	Z	-2.658	3
36	MP1C	Mx	.003	3
37	MP2A	X	-4.373	3
38	MP2A	Z	-2.524	3
39	MP2A	Mx	-.003	3
40	MP2A	X	-4.373	3
41	MP2A	Z	-2.524	3
42	MP2A	Mx	-.003	3
43	MP2B	X	-5.891	3
44	MP2B	Z	-3.401	3
45	MP2B	Mx	0	3
46	MP2B	X	-5.891	3
47	MP2B	Z	-3.401	3
48	MP2B	Mx	0	3
49	MP2C	X	-4.373	3
50	MP2C	Z	-2.524	3
51	MP2C	Mx	.003	3
52	MP2C	X	-4.373	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-2.524	3
54	MP2C	Mx	.003	3
55	MP2A	X	-18.864	.68
56	MP2A	Z	-10.891	.68
57	MP2A	Mx	.009	.68
58	MP2A	X	-18.864	5.33
59	MP2A	Z	-10.891	5.33
60	MP2A	Mx	.009	5.33
61	MP2B	X	-22.644	.68
62	MP2B	Z	-13.074	.68
63	MP2B	Mx	.02	.68
64	MP2B	X	-22.644	5.33
65	MP2B	Z	-13.074	5.33
66	MP2B	Mx	.02	5.33
67	MP2C	X	-16.853	.68
68	MP2C	Z	-9.73	.68
69	MP2C	Mx	-.022	.68
70	MP2C	X	-16.853	5.33
71	MP2C	Z	-9.73	5.33
72	MP2C	Mx	-.022	5.33
73	MP2A	X	-18.864	.68
74	MP2A	Z	-10.891	.68
75	MP2A	Mx	.025	.68
76	MP2A	X	-18.864	5.33
77	MP2A	Z	-10.891	5.33
78	MP2A	Mx	.025	5.33
79	MP2B	X	-22.644	.68
80	MP2B	Z	-13.074	.68
81	MP2B	Mx	-.01	.68
82	MP2B	X	-22.644	5.33
83	MP2B	Z	-13.074	5.33
84	MP2B	Mx	-.01	5.33
85	MP2C	X	-16.853	.68
86	MP2C	Z	-9.73	.68
87	MP2C	Mx	-.014	.68
88	MP2C	X	-16.853	5.33
89	MP2C	Z	-9.73	5.33
90	MP2C	Mx	-.014	5.33
91	OVPB	X	-8.528	1.5
92	OVPB	Z	-4.924	1.5
93	OVPB	Mx	.009	1.5
94	OVPB	X	-8.528	1.5
95	OVPB	Z	-4.924	1.5
96	OVPB	Mx	.009	1.5
97	OVPC	X	-8.528	1.5
98	OVPC	Z	-4.924	1.5
99	OVPC	Mx	-.009	1.5
100	OVPC	X	-8.528	1.5
101	OVPC	Z	-4.924	1.5
102	OVPC	Mx	-.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.346	1.79
2	MP3A	Z	-12.724	1.79
3	MP3A	Mx	.005	1.79
4	MP3A	X	-7.346	4.21
5	MP3A	Z	-12.724	4.21
6	MP3A	Mx	.005	4.21
7	MP3B	X	-6.051	1.79
8	MP3B	Z	-10.481	1.79
9	MP3B	Mx	.008	1.79
10	MP3B	X	-6.051	4.21
11	MP3B	Z	-10.481	4.21
12	MP3B	Mx	.008	4.21
13	MP3C	X	-3.618	1.79
14	MP3C	Z	-6.267	1.79
15	MP3C	Mx	-.007	1.79
16	MP3C	X	-3.618	4.21
17	MP3C	Z	-6.267	4.21
18	MP3C	Mx	-.007	4.21
19	MP1A	X	-3.153	3
20	MP1A	Z	-5.462	3
21	MP1A	Mx	-.002	3
22	MP1A	X	-3.153	3
23	MP1A	Z	-5.462	3
24	MP1A	Mx	-.002	3
25	MP1B	X	-3.153	3
26	MP1B	Z	-5.462	3
27	MP1B	Mx	-.002	3
28	MP1B	X	-3.153	3
29	MP1B	Z	-5.462	3
30	MP1B	Mx	-.002	3
31	MP1C	X	-2.411	3
32	MP1C	Z	-4.175	3
33	MP1C	Mx	.003	3
34	MP1C	X	-2.411	3
35	MP1C	Z	-4.175	3
36	MP1C	Mx	.003	3
37	MP2A	X	-3.109	3
38	MP2A	Z	-5.385	3
39	MP2A	Mx	-.002	3
40	MP2A	X	-3.109	3
41	MP2A	Z	-5.385	3
42	MP2A	Mx	-.002	3
43	MP2B	X	-3.109	3
44	MP2B	Z	-5.385	3
45	MP2B	Mx	-.002	3
46	MP2B	X	-3.109	3
47	MP2B	Z	-5.385	3
48	MP2B	Mx	-.002	3
49	MP2C	X	-2.232	3
50	MP2C	Z	-3.867	3
51	MP2C	Mx	.003	3
52	MP2C	X	-2.232	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-3.867	3
54	MP2C	Mx	.003	3
55	MP2A	X	-12.733	.68
56	MP2A	Z	-22.055	.68
57	MP2A	Mx	-.005	.68
58	MP2A	X	-12.733	5.33
59	MP2A	Z	-22.055	5.33
60	MP2A	Mx	-.005	5.33
61	MP2B	X	-11.572	.68
62	MP2B	Z	-20.044	.68
63	MP2B	Mx	.025	.68
64	MP2B	X	-11.572	5.33
65	MP2B	Z	-20.044	5.33
66	MP2B	Mx	.025	5.33
67	MP2C	X	-9.39	.68
68	MP2C	Z	-16.264	.68
69	MP2C	Mx	-.017	.68
70	MP2C	X	-9.39	5.33
71	MP2C	Z	-16.264	5.33
72	MP2C	Mx	-.017	5.33
73	MP2A	X	-12.733	.68
74	MP2A	Z	-22.055	.68
75	MP2A	Mx	.023	.68
76	MP2A	X	-12.733	5.33
77	MP2A	Z	-22.055	5.33
78	MP2A	Mx	.023	5.33
79	MP2B	X	-11.572	.68
80	MP2B	Z	-20.044	.68
81	MP2B	Mx	.005	.68
82	MP2B	X	-11.572	5.33
83	MP2B	Z	-20.044	5.33
84	MP2B	Mx	.005	5.33
85	MP2C	X	-9.39	.68
86	MP2C	Z	-16.264	.68
87	MP2C	Mx	-.02	.68
88	MP2C	X	-9.39	5.33
89	MP2C	Z	-16.264	5.33
90	MP2C	Mx	-.02	5.33
91	OVPB	X	-4.44	1.5
92	OVPB	Z	-7.691	1.5
93	OVPB	Mx	.009	1.5
94	OVPB	X	-4.44	1.5
95	OVPB	Z	-7.691	1.5
96	OVPB	Mx	.009	1.5
97	OVPC	X	-5.891	1.5
98	OVPC	Z	-10.204	1.5
99	OVPC	Mx	-.006	1.5
100	OVPC	X	-5.891	1.5
101	OVPC	Z	-10.204	1.5
102	OVPC	Mx	-.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.79
2	MP3A	Z	-4.644	1.79
3	MP3A	Mx	-.000806	1.79
4	MP3A	X	0	4.21
5	MP3A	Z	-4.644	4.21
6	MP3A	Mx	-.000806	4.21
7	MP3B	X	0	1.79
8	MP3B	Z	-2.189	1.79
9	MP3B	Mx	.002	1.79
10	MP3B	X	0	4.21
11	MP3B	Z	-2.189	4.21
12	MP3B	Mx	.002	4.21
13	MP3C	X	0	1.79
14	MP3C	Z	-3.041	1.79
15	MP3C	Mx	-.002	1.79
16	MP3C	X	0	4.21
17	MP3C	Z	-3.041	4.21
18	MP3C	Mx	-.002	4.21
19	MP1A	X	0	3
20	MP1A	Z	-1.882	3
21	MP1A	Mx	0	3
22	MP1A	X	0	3
23	MP1A	Z	-1.882	3
24	MP1A	Mx	0	3
25	MP1B	X	0	3
26	MP1B	Z	-1.414	3
27	MP1B	Mx	-.000816	3
28	MP1B	X	0	3
29	MP1B	Z	-1.414	3
30	MP1B	Mx	-.000816	3
31	MP1C	X	0	3
32	MP1C	Z	-1.414	3
33	MP1C	Mx	.000816	3
34	MP1C	X	0	3
35	MP1C	Z	-1.414	3
36	MP1C	Mx	.000816	3
37	MP2A	X	0	3
38	MP2A	Z	-1.882	3
39	MP2A	Mx	0	3
40	MP2A	X	0	3
41	MP2A	Z	-1.882	3
42	MP2A	Mx	0	3
43	MP2B	X	0	3
44	MP2B	Z	-1.329	3
45	MP2B	Mx	-.000767	3
46	MP2B	X	0	3
47	MP2B	Z	-1.329	3
48	MP2B	Mx	-.000767	3
49	MP2C	X	0	3
50	MP2C	Z	-1.329	3
51	MP2C	Mx	.000767	3
52	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-1.329	3
54	MP2C	Mx	.000767	3
55	MP2A	X	0	.68
56	MP2A	Z	-8.129	.68
57	MP2A	Mx	-.006	.68
58	MP2A	X	0	5.33
59	MP2A	Z	-8.129	5.33
60	MP2A	Mx	-.006	5.33
61	MP2B	X	0	.68
62	MP2B	Z	-5.757	.68
63	MP2B	Mx	.007	.68
64	MP2B	X	0	5.33
65	MP2B	Z	-5.757	5.33
66	MP2B	Mx	.007	5.33
67	MP2C	X	0	.68
68	MP2C	Z	-6.581	.68
69	MP2C	Mx	-.003	.68
70	MP2C	X	0	5.33
71	MP2C	Z	-6.581	5.33
72	MP2C	Mx	-.003	5.33
73	MP2A	X	0	.68
74	MP2A	Z	-8.129	.68
75	MP2A	Mx	.003	.68
76	MP2A	X	0	5.33
77	MP2A	Z	-8.129	5.33
78	MP2A	Mx	.003	5.33
79	MP2B	X	0	.68
80	MP2B	Z	-5.757	.68
81	MP2B	Mx	.004	.68
82	MP2B	X	0	5.33
83	MP2B	Z	-5.757	5.33
84	MP2B	Mx	.004	5.33
85	MP2C	X	0	.68
86	MP2C	Z	-6.581	.68
87	MP2C	Mx	-.008	.68
88	MP2C	X	0	5.33
89	MP2C	Z	-6.581	5.33
90	MP2C	Mx	-.008	5.33
91	OVPB	X	0	1.5
92	OVPB	Z	-2.834	1.5
93	OVPB	Mx	.002	1.5
94	OVPB	X	0	1.5
95	OVPB	Z	-2.834	1.5
96	OVPB	Mx	.002	1.5
97	OVPC	X	0	1.5
98	OVPC	Z	-3.797	1.5
99	OVPC	Mx	0	1.5
100	OVPC	X	0	1.5
101	OVPC	Z	-3.797	1.5
102	OVPC	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.771	1.79
2	MP3A	Z	-3.067	1.79
3	MP3A	Mx	-.002	1.79
4	MP3A	X	1.771	4.21
5	MP3A	Z	-3.067	4.21
6	MP3A	Mx	-.002	4.21
7	MP3B	X	.969	1.79
8	MP3B	Z	-1.679	1.79
9	MP3B	Mx	.002	1.79
10	MP3B	X	.969	4.21
11	MP3B	Z	-1.679	4.21
12	MP3B	Mx	.002	4.21
13	MP3C	X	2.197	1.79
14	MP3C	Z	-3.805	1.79
15	MP3C	Mx	-.002	1.79
16	MP3C	X	2.197	4.21
17	MP3C	Z	-3.805	4.21
18	MP3C	Mx	-.002	4.21
19	MP1A	X	.863	3
20	MP1A	Z	-1.495	3
21	MP1A	Mx	.000575	3
22	MP1A	X	.863	3
23	MP1A	Z	-1.495	3
24	MP1A	Mx	.000575	3
25	MP1B	X	.629	3
26	MP1B	Z	-1.09	3
27	MP1B	Mx	-.000839	3
28	MP1B	X	.629	3
29	MP1B	Z	-1.09	3
30	MP1B	Mx	-.000839	3
31	MP1C	X	.863	3
32	MP1C	Z	-1.495	3
33	MP1C	Mx	.000575	3
34	MP1C	X	.863	3
35	MP1C	Z	-1.495	3
36	MP1C	Mx	.000575	3
37	MP2A	X	.849	3
38	MP2A	Z	-1.47	3
39	MP2A	Mx	.000566	3
40	MP2A	X	.849	3
41	MP2A	Z	-1.47	3
42	MP2A	Mx	.000566	3
43	MP2B	X	.572	3
44	MP2B	Z	-.991	3
45	MP2B	Mx	-.000763	3
46	MP2B	X	.572	3
47	MP2B	Z	-.991	3
48	MP2B	Mx	-.000763	3
49	MP2C	X	.849	3
50	MP2C	Z	-1.47	3
51	MP2C	Mx	.000566	3
52	MP2C	X	.849	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-1.47	3
54	MP2C	Mx	.000566	3
55	MP2A	X	3.532	.68
56	MP2A	Z	-6.117	.68
57	MP2A	Mx	-.008	.68
58	MP2A	X	3.532	5.33
59	MP2A	Z	-6.117	5.33
60	MP2A	Mx	-.008	5.33
61	MP2B	X	2.758	.68
62	MP2B	Z	-4.776	.68
63	MP2B	Mx	.005	.68
64	MP2B	X	2.758	5.33
65	MP2B	Z	-4.776	5.33
66	MP2B	Mx	.005	5.33
67	MP2C	X	3.944	.68
68	MP2C	Z	-6.831	.68
69	MP2C	Mx	.002	.68
70	MP2C	X	3.944	5.33
71	MP2C	Z	-6.831	5.33
72	MP2C	Mx	.002	5.33
73	MP2A	X	3.532	.68
74	MP2A	Z	-6.117	.68
75	MP2A	Mx	-.001	.68
76	MP2A	X	3.532	5.33
77	MP2A	Z	-6.117	5.33
78	MP2A	Mx	-.001	5.33
79	MP2B	X	2.758	.68
80	MP2B	Z	-4.776	.68
81	MP2B	Mx	.006	.68
82	MP2B	X	2.758	5.33
83	MP2B	Z	-4.776	5.33
84	MP2B	Mx	.006	5.33
85	MP2C	X	3.944	.68
86	MP2C	Z	-6.831	.68
87	MP2C	Mx	-.007	.68
88	MP2C	X	3.944	5.33
89	MP2C	Z	-6.831	5.33
90	MP2C	Mx	-.007	5.33
91	OVPB	X	1.738	1.5
92	OVPB	Z	-3.011	1.5
93	OVPB	Mx	.002	1.5
94	OVPB	X	1.738	1.5
95	OVPB	Z	-3.011	1.5
96	OVPB	Mx	.002	1.5
97	OVPC	X	1.738	1.5
98	OVPC	Z	-3.011	1.5
99	OVPC	Mx	.002	1.5
100	OVPC	X	1.738	1.5
101	OVPC	Z	-3.011	1.5
102	OVPC	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.895	1.79
2	MP3A	Z	-1.094	1.79
3	MP3A	Mx	-.002	1.79
4	MP3A	X	1.895	4.21
5	MP3A	Z	-1.094	4.21
6	MP3A	Mx	-.002	4.21
7	MP3B	X	2.634	1.79
8	MP3B	Z	-1.521	1.79
9	MP3B	Mx	.002	1.79
10	MP3B	X	2.634	4.21
11	MP3B	Z	-1.521	4.21
12	MP3B	Mx	.002	4.21
13	MP3C	X	4.022	1.79
14	MP3C	Z	-2.322	1.79
15	MP3C	Mx	.000807	1.79
16	MP3C	X	4.022	4.21
17	MP3C	Z	-2.322	4.21
18	MP3C	Mx	.000807	4.21
19	MP1A	X	1.225	3
20	MP1A	Z	-.707	3
21	MP1A	Mx	.000817	3
22	MP1A	X	1.225	3
23	MP1A	Z	-.707	3
24	MP1A	Mx	.000817	3
25	MP1B	X	1.225	3
26	MP1B	Z	-.707	3
27	MP1B	Mx	-.000817	3
28	MP1B	X	1.225	3
29	MP1B	Z	-.707	3
30	MP1B	Mx	-.000817	3
31	MP1C	X	1.63	3
32	MP1C	Z	-.941	3
33	MP1C	Mx	0	3
34	MP1C	X	1.63	3
35	MP1C	Z	-.941	3
36	MP1C	Mx	0	3
37	MP2A	X	1.151	3
38	MP2A	Z	-.665	3
39	MP2A	Mx	.000767	3
40	MP2A	X	1.151	3
41	MP2A	Z	-.665	3
42	MP2A	Mx	.000767	3
43	MP2B	X	1.151	3
44	MP2B	Z	-.665	3
45	MP2B	Mx	-.000768	3
46	MP2B	X	1.151	3
47	MP2B	Z	-.665	3
48	MP2B	Mx	-.000768	3
49	MP2C	X	1.63	3
50	MP2C	Z	-.941	3
51	MP2C	Mx	0	3
52	MP2C	X	1.63	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-.941	3
54	MP2C	Mx	0	3
55	MP2A	X	4.985	.68
56	MP2A	Z	-2.878	.68
57	MP2A	Mx	-.007	.68
58	MP2A	X	4.985	5.33
59	MP2A	Z	-2.878	5.33
60	MP2A	Mx	-.007	5.33
61	MP2B	X	5.699	.68
62	MP2B	Z	-3.29	.68
63	MP2B	Mx	.003	.68
64	MP2B	X	5.699	5.33
65	MP2B	Z	-3.29	5.33
66	MP2B	Mx	.003	5.33
67	MP2C	X	7.04	.68
68	MP2C	Z	-4.064	.68
69	MP2C	Mx	.006	.68
70	MP2C	X	7.04	5.33
71	MP2C	Z	-4.064	5.33
72	MP2C	Mx	.006	5.33
73	MP2A	X	4.985	.68
74	MP2A	Z	-2.878	.68
75	MP2A	Mx	-.004	.68
76	MP2A	X	4.985	5.33
77	MP2A	Z	-2.878	5.33
78	MP2A	Mx	-.004	5.33
79	MP2B	X	5.699	.68
80	MP2B	Z	-3.29	.68
81	MP2B	Mx	.008	.68
82	MP2B	X	5.699	5.33
83	MP2B	Z	-3.29	5.33
84	MP2B	Mx	.008	5.33
85	MP2C	X	7.04	.68
86	MP2C	Z	-4.064	.68
87	MP2C	Mx	-.003	.68
88	MP2C	X	7.04	5.33
89	MP2C	Z	-4.064	5.33
90	MP2C	Mx	-.003	5.33
91	OVPB	X	3.289	1.5
92	OVPB	Z	-1.899	1.5
93	OVPB	Mx	0	1.5
94	OVPB	X	3.289	1.5
95	OVPB	Z	-1.899	1.5
96	OVPB	Mx	0	1.5
97	OVPC	X	2.455	1.5
98	OVPC	Z	-1.417	1.5
99	OVPC	Mx	.002	1.5
100	OVPC	X	2.455	1.5
101	OVPC	Z	-1.417	1.5
102	OVPC	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.939	1.79
2	MP3A	Z	0	1.79
3	MP3A	Mx	-.002	1.79
4	MP3A	X	1.939	4.21
5	MP3A	Z	0	4.21
6	MP3A	Mx	-.002	4.21
7	MP3B	X	4.394	1.79
8	MP3B	Z	0	1.79
9	MP3B	Mx	.002	1.79
10	MP3B	X	4.394	4.21
11	MP3B	Z	0	4.21
12	MP3B	Mx	.002	4.21
13	MP3C	X	3.541	1.79
14	MP3C	Z	0	1.79
15	MP3C	Mx	.002	1.79
16	MP3C	X	3.541	4.21
17	MP3C	Z	0	4.21
18	MP3C	Mx	.002	4.21
19	MP1A	X	1.258	3
20	MP1A	Z	0	3
21	MP1A	Mx	.000839	3
22	MP1A	X	1.258	3
23	MP1A	Z	0	3
24	MP1A	Mx	.000839	3
25	MP1B	X	1.726	3
26	MP1B	Z	0	3
27	MP1B	Mx	-.000575	3
28	MP1B	X	1.726	3
29	MP1B	Z	0	3
30	MP1B	Mx	-.000575	3
31	MP1C	X	1.726	3
32	MP1C	Z	0	3
33	MP1C	Mx	-.000575	3
34	MP1C	X	1.726	3
35	MP1C	Z	0	3
36	MP1C	Mx	-.000575	3
37	MP2A	X	1.145	3
38	MP2A	Z	0	3
39	MP2A	Mx	.000763	3
40	MP2A	X	1.145	3
41	MP2A	Z	0	3
42	MP2A	Mx	.000763	3
43	MP2B	X	1.698	3
44	MP2B	Z	0	3
45	MP2B	Mx	-.000566	3
46	MP2B	X	1.698	3
47	MP2B	Z	0	3
48	MP2B	Mx	-.000566	3
49	MP2C	X	1.698	3
50	MP2C	Z	0	3
51	MP2C	Mx	-.000566	3
52	MP2C	X	1.698	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	3
54	MP2C	Mx	-.000566	3
55	MP2A	X	5.515	.68
56	MP2A	Z	0	.68
57	MP2A	Mx	-.005	.68
58	MP2A	X	5.515	5.33
59	MP2A	Z	0	5.33
60	MP2A	Mx	-.005	5.33
61	MP2B	X	7.887	.68
62	MP2B	Z	0	.68
63	MP2B	Mx	-.002	.68
64	MP2B	X	7.887	5.33
65	MP2B	Z	0	5.33
66	MP2B	Mx	-.002	5.33
67	MP2C	X	7.064	.68
68	MP2C	Z	0	.68
69	MP2C	Mx	.008	.68
70	MP2C	X	7.064	5.33
71	MP2C	Z	0	5.33
72	MP2C	Mx	.008	5.33
73	MP2A	X	5.515	.68
74	MP2A	Z	0	.68
75	MP2A	Mx	-.006	.68
76	MP2A	X	5.515	5.33
77	MP2A	Z	0	5.33
78	MP2A	Mx	-.006	5.33
79	MP2B	X	7.887	.68
80	MP2B	Z	0	.68
81	MP2B	Mx	.007	.68
82	MP2B	X	7.887	5.33
83	MP2B	Z	0	5.33
84	MP2B	Mx	.007	5.33
85	MP2C	X	7.064	.68
86	MP2C	Z	0	.68
87	MP2C	Mx	.001	.68
88	MP2C	X	7.064	5.33
89	MP2C	Z	0	5.33
90	MP2C	Mx	.001	5.33
91	OVPB	X	3.476	1.5
92	OVPB	Z	0	1.5
93	OVPB	Mx	-.002	1.5
94	OVPB	X	3.476	1.5
95	OVPB	Z	0	1.5
96	OVPB	Mx	-.002	1.5
97	OVPC	X	2.514	1.5
98	OVPC	Z	0	1.5
99	OVPC	Mx	.003	1.5
100	OVPC	X	2.514	1.5
101	OVPC	Z	0	1.5
102	OVPC	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.634	1.79
2	MP3A	Z	1.521	1.79
3	MP3A	Mx	-.002	1.79
4	MP3A	X	2.634	4.21
5	MP3A	Z	1.521	4.21
6	MP3A	Mx	-.002	4.21
7	MP3B	X	4.022	1.79
8	MP3B	Z	2.322	1.79
9	MP3B	Mx	-.000806	1.79
10	MP3B	X	4.022	4.21
11	MP3B	Z	2.322	4.21
12	MP3B	Mx	-.000806	4.21
13	MP3C	X	1.895	1.79
14	MP3C	Z	1.094	1.79
15	MP3C	Mx	.002	1.79
16	MP3C	X	1.895	4.21
17	MP3C	Z	1.094	4.21
18	MP3C	Mx	.002	4.21
19	MP1A	X	1.225	3
20	MP1A	Z	.707	3
21	MP1A	Mx	.000817	3
22	MP1A	X	1.225	3
23	MP1A	Z	.707	3
24	MP1A	Mx	.000817	3
25	MP1B	X	1.63	3
26	MP1B	Z	.941	3
27	MP1B	Mx	0	3
28	MP1B	X	1.63	3
29	MP1B	Z	.941	3
30	MP1B	Mx	0	3
31	MP1C	X	1.225	3
32	MP1C	Z	.707	3
33	MP1C	Mx	-.000817	3
34	MP1C	X	1.225	3
35	MP1C	Z	.707	3
36	MP1C	Mx	-.000817	3
37	MP2A	X	1.151	3
38	MP2A	Z	.665	3
39	MP2A	Mx	.000767	3
40	MP2A	X	1.151	3
41	MP2A	Z	.665	3
42	MP2A	Mx	.000767	3
43	MP2B	X	1.63	3
44	MP2B	Z	.941	3
45	MP2B	Mx	0	3
46	MP2B	X	1.63	3
47	MP2B	Z	.941	3
48	MP2B	Mx	0	3
49	MP2C	X	1.151	3
50	MP2C	Z	.665	3
51	MP2C	Mx	-.000768	3
52	MP2C	X	1.151	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	.665	3
54	MP2C	Mx	-.000768	3
55	MP2A	X	5.699	.68
56	MP2A	Z	3.29	.68
57	MP2A	Mx	-.003	.68
58	MP2A	X	5.699	5.33
59	MP2A	Z	3.29	5.33
60	MP2A	Mx	-.003	5.33
61	MP2B	X	7.04	.68
62	MP2B	Z	4.064	.68
63	MP2B	Mx	-.006	.68
64	MP2B	X	7.04	5.33
65	MP2B	Z	4.064	5.33
66	MP2B	Mx	-.006	5.33
67	MP2C	X	4.985	.68
68	MP2C	Z	2.878	.68
69	MP2C	Mx	.007	.68
70	MP2C	X	4.985	5.33
71	MP2C	Z	2.878	5.33
72	MP2C	Mx	.007	5.33
73	MP2A	X	5.699	.68
74	MP2A	Z	3.29	.68
75	MP2A	Mx	-.008	.68
76	MP2A	X	5.699	5.33
77	MP2A	Z	3.29	5.33
78	MP2A	Mx	-.008	5.33
79	MP2B	X	7.04	.68
80	MP2B	Z	4.064	.68
81	MP2B	Mx	.003	.68
82	MP2B	X	7.04	5.33
83	MP2B	Z	4.064	5.33
84	MP2B	Mx	.003	5.33
85	MP2C	X	4.985	.68
86	MP2C	Z	2.878	.68
87	MP2C	Mx	.004	.68
88	MP2C	X	4.985	5.33
89	MP2C	Z	2.878	5.33
90	MP2C	Mx	.004	5.33
91	OVPB	X	2.455	1.5
92	OVPB	Z	1.417	1.5
93	OVPB	Mx	-.002	1.5
94	OVPB	X	2.455	1.5
95	OVPB	Z	1.417	1.5
96	OVPB	Mx	-.002	1.5
97	OVPC	X	2.455	1.5
98	OVPC	Z	1.417	1.5
99	OVPC	Mx	.002	1.5
100	OVPC	X	2.455	1.5
101	OVPC	Z	1.417	1.5
102	OVPC	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.197	1.79
2	MP3A	Z	3.805	1.79
3	MP3A	Mx	-.002	1.79
4	MP3A	X	2.197	4.21
5	MP3A	Z	3.805	4.21
6	MP3A	Mx	-.002	4.21
7	MP3B	X	1.771	1.79
8	MP3B	Z	3.067	1.79
9	MP3B	Mx	-.002	1.79
10	MP3B	X	1.771	4.21
11	MP3B	Z	3.067	4.21
12	MP3B	Mx	-.002	4.21
13	MP3C	X	.969	1.79
14	MP3C	Z	1.679	1.79
15	MP3C	Mx	.002	1.79
16	MP3C	X	.969	4.21
17	MP3C	Z	1.679	4.21
18	MP3C	Mx	.002	4.21
19	MP1A	X	.863	3
20	MP1A	Z	1.495	3
21	MP1A	Mx	.000575	3
22	MP1A	X	.863	3
23	MP1A	Z	1.495	3
24	MP1A	Mx	.000575	3
25	MP1B	X	.863	3
26	MP1B	Z	1.495	3
27	MP1B	Mx	.000575	3
28	MP1B	X	.863	3
29	MP1B	Z	1.495	3
30	MP1B	Mx	.000575	3
31	MP1C	X	.629	3
32	MP1C	Z	1.09	3
33	MP1C	Mx	-.000839	3
34	MP1C	X	.629	3
35	MP1C	Z	1.09	3
36	MP1C	Mx	-.000839	3
37	MP2A	X	.849	3
38	MP2A	Z	1.47	3
39	MP2A	Mx	.000566	3
40	MP2A	X	.849	3
41	MP2A	Z	1.47	3
42	MP2A	Mx	.000566	3
43	MP2B	X	.849	3
44	MP2B	Z	1.47	3
45	MP2B	Mx	.000566	3
46	MP2B	X	.849	3
47	MP2B	Z	1.47	3
48	MP2B	Mx	.000566	3
49	MP2C	X	.572	3
50	MP2C	Z	.991	3
51	MP2C	Mx	-.000763	3
52	MP2C	X	.572	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	.991	3
54	MP2C	Mx	-.000763	3
55	MP2A	X	3.944	.68
56	MP2A	Z	6.831	.68
57	MP2A	Mx	.002	.68
58	MP2A	X	3.944	5.33
59	MP2A	Z	6.831	5.33
60	MP2A	Mx	.002	5.33
61	MP2B	X	3.532	.68
62	MP2B	Z	6.117	.68
63	MP2B	Mx	-.008	.68
64	MP2B	X	3.532	5.33
65	MP2B	Z	6.117	5.33
66	MP2B	Mx	-.008	5.33
67	MP2C	X	2.758	.68
68	MP2C	Z	4.776	.68
69	MP2C	Mx	.005	.68
70	MP2C	X	2.758	5.33
71	MP2C	Z	4.776	5.33
72	MP2C	Mx	.005	5.33
73	MP2A	X	3.944	.68
74	MP2A	Z	6.831	.68
75	MP2A	Mx	-.007	.68
76	MP2A	X	3.944	5.33
77	MP2A	Z	6.831	5.33
78	MP2A	Mx	-.007	5.33
79	MP2B	X	3.532	.68
80	MP2B	Z	6.117	.68
81	MP2B	Mx	-.001	.68
82	MP2B	X	3.532	5.33
83	MP2B	Z	6.117	5.33
84	MP2B	Mx	-.001	5.33
85	MP2C	X	2.758	.68
86	MP2C	Z	4.776	.68
87	MP2C	Mx	.006	.68
88	MP2C	X	2.758	5.33
89	MP2C	Z	4.776	5.33
90	MP2C	Mx	.006	5.33
91	OVPB	X	1.257	1.5
92	OVPB	Z	2.177	1.5
93	OVPB	Mx	-.003	1.5
94	OVPB	X	1.257	1.5
95	OVPB	Z	2.177	1.5
96	OVPB	Mx	-.003	1.5
97	OVPC	X	1.738	1.5
98	OVPC	Z	3.011	1.5
99	OVPC	Mx	.002	1.5
100	OVPC	X	1.738	1.5
101	OVPC	Z	3.011	1.5
102	OVPC	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.79
2	MP3A	Z	4.644	1.79
3	MP3A	Mx	.000806	1.79
4	MP3A	X	0	4.21
5	MP3A	Z	4.644	4.21
6	MP3A	Mx	.000806	4.21
7	MP3B	X	0	1.79
8	MP3B	Z	2.189	1.79
9	MP3B	Mx	-.002	1.79
10	MP3B	X	0	4.21
11	MP3B	Z	2.189	4.21
12	MP3B	Mx	-.002	4.21
13	MP3C	X	0	1.79
14	MP3C	Z	3.041	1.79
15	MP3C	Mx	.002	1.79
16	MP3C	X	0	4.21
17	MP3C	Z	3.041	4.21
18	MP3C	Mx	.002	4.21
19	MP1A	X	0	3
20	MP1A	Z	1.882	3
21	MP1A	Mx	0	3
22	MP1A	X	0	3
23	MP1A	Z	1.882	3
24	MP1A	Mx	0	3
25	MP1B	X	0	3
26	MP1B	Z	1.414	3
27	MP1B	Mx	.000816	3
28	MP1B	X	0	3
29	MP1B	Z	1.414	3
30	MP1B	Mx	.000816	3
31	MP1C	X	0	3
32	MP1C	Z	1.414	3
33	MP1C	Mx	-.000816	3
34	MP1C	X	0	3
35	MP1C	Z	1.414	3
36	MP1C	Mx	-.000816	3
37	MP2A	X	0	3
38	MP2A	Z	1.882	3
39	MP2A	Mx	0	3
40	MP2A	X	0	3
41	MP2A	Z	1.882	3
42	MP2A	Mx	0	3
43	MP2B	X	0	3
44	MP2B	Z	1.329	3
45	MP2B	Mx	.000767	3
46	MP2B	X	0	3
47	MP2B	Z	1.329	3
48	MP2B	Mx	.000767	3
49	MP2C	X	0	3
50	MP2C	Z	1.329	3
51	MP2C	Mx	-.000767	3
52	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	1.329	3
54	MP2C	Mx	-.000767	3
55	MP2A	X	0	.68
56	MP2A	Z	8.129	.68
57	MP2A	Mx	.006	.68
58	MP2A	X	0	5.33
59	MP2A	Z	8.129	5.33
60	MP2A	Mx	.006	5.33
61	MP2B	X	0	.68
62	MP2B	Z	5.757	.68
63	MP2B	Mx	-.007	.68
64	MP2B	X	0	5.33
65	MP2B	Z	5.757	5.33
66	MP2B	Mx	-.007	5.33
67	MP2C	X	0	.68
68	MP2C	Z	6.581	.68
69	MP2C	Mx	.003	.68
70	MP2C	X	0	5.33
71	MP2C	Z	6.581	5.33
72	MP2C	Mx	.003	5.33
73	MP2A	X	0	.68
74	MP2A	Z	8.129	.68
75	MP2A	Mx	-.003	.68
76	MP2A	X	0	5.33
77	MP2A	Z	8.129	5.33
78	MP2A	Mx	-.003	5.33
79	MP2B	X	0	.68
80	MP2B	Z	5.757	.68
81	MP2B	Mx	-.004	.68
82	MP2B	X	0	5.33
83	MP2B	Z	5.757	5.33
84	MP2B	Mx	-.004	5.33
85	MP2C	X	0	.68
86	MP2C	Z	6.581	.68
87	MP2C	Mx	.008	.68
88	MP2C	X	0	5.33
89	MP2C	Z	6.581	5.33
90	MP2C	Mx	.008	5.33
91	OVPB	X	0	1.5
92	OVPB	Z	2.834	1.5
93	OVPB	Mx	-.002	1.5
94	OVPB	X	0	1.5
95	OVPB	Z	2.834	1.5
96	OVPB	Mx	-.002	1.5
97	OVPC	X	0	1.5
98	OVPC	Z	3.797	1.5
99	OVPC	Mx	0	1.5
100	OVPC	X	0	1.5
101	OVPC	Z	3.797	1.5
102	OVPC	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.771	1.79
2	MP3A	Z	3.067	1.79
3	MP3A	Mx	.002	1.79
4	MP3A	X	-1.771	4.21
5	MP3A	Z	3.067	4.21
6	MP3A	Mx	.002	4.21
7	MP3B	X	-.969	1.79
8	MP3B	Z	1.679	1.79
9	MP3B	Mx	-.002	1.79
10	MP3B	X	-.969	4.21
11	MP3B	Z	1.679	4.21
12	MP3B	Mx	-.002	4.21
13	MP3C	X	-2.197	1.79
14	MP3C	Z	3.805	1.79
15	MP3C	Mx	.002	1.79
16	MP3C	X	-2.197	4.21
17	MP3C	Z	3.805	4.21
18	MP3C	Mx	.002	4.21
19	MP1A	X	-.863	3
20	MP1A	Z	1.495	3
21	MP1A	Mx	-.000575	3
22	MP1A	X	-.863	3
23	MP1A	Z	1.495	3
24	MP1A	Mx	-.000575	3
25	MP1B	X	-.629	3
26	MP1B	Z	1.09	3
27	MP1B	Mx	.000839	3
28	MP1B	X	-.629	3
29	MP1B	Z	1.09	3
30	MP1B	Mx	.000839	3
31	MP1C	X	-.863	3
32	MP1C	Z	1.495	3
33	MP1C	Mx	-.000575	3
34	MP1C	X	-.863	3
35	MP1C	Z	1.495	3
36	MP1C	Mx	-.000575	3
37	MP2A	X	-.849	3
38	MP2A	Z	1.47	3
39	MP2A	Mx	-.000566	3
40	MP2A	X	-.849	3
41	MP2A	Z	1.47	3
42	MP2A	Mx	-.000566	3
43	MP2B	X	-.572	3
44	MP2B	Z	.991	3
45	MP2B	Mx	.000763	3
46	MP2B	X	-.572	3
47	MP2B	Z	.991	3
48	MP2B	Mx	.000763	3
49	MP2C	X	-.849	3
50	MP2C	Z	1.47	3
51	MP2C	Mx	-.000566	3
52	MP2C	X	-.849	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	1.47	3
54	MP2C	Mx	-.000566	3
55	MP2A	X	-3.532	.68
56	MP2A	Z	6.117	.68
57	MP2A	Mx	.008	.68
58	MP2A	X	-3.532	5.33
59	MP2A	Z	6.117	5.33
60	MP2A	Mx	.008	5.33
61	MP2B	X	-2.758	.68
62	MP2B	Z	4.776	.68
63	MP2B	Mx	-.005	.68
64	MP2B	X	-2.758	5.33
65	MP2B	Z	4.776	5.33
66	MP2B	Mx	-.005	5.33
67	MP2C	X	-3.944	.68
68	MP2C	Z	6.831	.68
69	MP2C	Mx	-.002	.68
70	MP2C	X	-3.944	5.33
71	MP2C	Z	6.831	5.33
72	MP2C	Mx	-.002	5.33
73	MP2A	X	-3.532	.68
74	MP2A	Z	6.117	.68
75	MP2A	Mx	.001	.68
76	MP2A	X	-3.532	5.33
77	MP2A	Z	6.117	5.33
78	MP2A	Mx	.001	5.33
79	MP2B	X	-2.758	.68
80	MP2B	Z	4.776	.68
81	MP2B	Mx	-.006	.68
82	MP2B	X	-2.758	5.33
83	MP2B	Z	4.776	5.33
84	MP2B	Mx	-.006	5.33
85	MP2C	X	-3.944	.68
86	MP2C	Z	6.831	.68
87	MP2C	Mx	.007	.68
88	MP2C	X	-3.944	5.33
89	MP2C	Z	6.831	5.33
90	MP2C	Mx	.007	5.33
91	OVPB	X	-1.738	1.5
92	OVPB	Z	3.011	1.5
93	OVPB	Mx	-.002	1.5
94	OVPB	X	-1.738	1.5
95	OVPB	Z	3.011	1.5
96	OVPB	Mx	-.002	1.5
97	OVPC	X	-1.738	1.5
98	OVPC	Z	3.011	1.5
99	OVPC	Mx	-.002	1.5
100	OVPC	X	-1.738	1.5
101	OVPC	Z	3.011	1.5
102	OVPC	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.895	1.79
2	MP3A	Z	1.094	1.79
3	MP3A	Mx	.002	1.79
4	MP3A	X	-1.895	4.21
5	MP3A	Z	1.094	4.21
6	MP3A	Mx	.002	4.21
7	MP3B	X	-2.634	1.79
8	MP3B	Z	1.521	1.79
9	MP3B	Mx	-.002	1.79
10	MP3B	X	-2.634	4.21
11	MP3B	Z	1.521	4.21
12	MP3B	Mx	-.002	4.21
13	MP3C	X	-4.022	1.79
14	MP3C	Z	2.322	1.79
15	MP3C	Mx	-.000807	1.79
16	MP3C	X	-4.022	4.21
17	MP3C	Z	2.322	4.21
18	MP3C	Mx	-.000807	4.21
19	MP1A	X	-1.225	3
20	MP1A	Z	.707	3
21	MP1A	Mx	-.000817	3
22	MP1A	X	-1.225	3
23	MP1A	Z	.707	3
24	MP1A	Mx	-.000817	3
25	MP1B	X	-1.225	3
26	MP1B	Z	.707	3
27	MP1B	Mx	.000817	3
28	MP1B	X	-1.225	3
29	MP1B	Z	.707	3
30	MP1B	Mx	.000817	3
31	MP1C	X	-1.63	3
32	MP1C	Z	.941	3
33	MP1C	Mx	0	3
34	MP1C	X	-1.63	3
35	MP1C	Z	.941	3
36	MP1C	Mx	0	3
37	MP2A	X	-1.151	3
38	MP2A	Z	.665	3
39	MP2A	Mx	-.000767	3
40	MP2A	X	-1.151	3
41	MP2A	Z	.665	3
42	MP2A	Mx	-.000767	3
43	MP2B	X	-1.151	3
44	MP2B	Z	.665	3
45	MP2B	Mx	.000768	3
46	MP2B	X	-1.151	3
47	MP2B	Z	.665	3
48	MP2B	Mx	.000768	3
49	MP2C	X	-1.63	3
50	MP2C	Z	.941	3
51	MP2C	Mx	0	3
52	MP2C	X	-1.63	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	.941	3
54	MP2C	Mx	0	3
55	MP2A	X	-4.985	.68
56	MP2A	Z	2.878	.68
57	MP2A	Mx	.007	.68
58	MP2A	X	-4.985	5.33
59	MP2A	Z	2.878	5.33
60	MP2A	Mx	.007	5.33
61	MP2B	X	-5.699	.68
62	MP2B	Z	3.29	.68
63	MP2B	Mx	-.003	.68
64	MP2B	X	-5.699	5.33
65	MP2B	Z	3.29	5.33
66	MP2B	Mx	-.003	5.33
67	MP2C	X	-7.04	.68
68	MP2C	Z	4.064	.68
69	MP2C	Mx	-.006	.68
70	MP2C	X	-7.04	5.33
71	MP2C	Z	4.064	5.33
72	MP2C	Mx	-.006	5.33
73	MP2A	X	-4.985	.68
74	MP2A	Z	2.878	.68
75	MP2A	Mx	.004	.68
76	MP2A	X	-4.985	5.33
77	MP2A	Z	2.878	5.33
78	MP2A	Mx	.004	5.33
79	MP2B	X	-5.699	.68
80	MP2B	Z	3.29	.68
81	MP2B	Mx	-.008	.68
82	MP2B	X	-5.699	5.33
83	MP2B	Z	3.29	5.33
84	MP2B	Mx	-.008	5.33
85	MP2C	X	-7.04	.68
86	MP2C	Z	4.064	.68
87	MP2C	Mx	.003	.68
88	MP2C	X	-7.04	5.33
89	MP2C	Z	4.064	5.33
90	MP2C	Mx	.003	5.33
91	OVPB	X	-3.289	1.5
92	OVPB	Z	1.899	1.5
93	OVPB	Mx	0	1.5
94	OVPB	X	-3.289	1.5
95	OVPB	Z	1.899	1.5
96	OVPB	Mx	0	1.5
97	OVPC	X	-2.455	1.5
98	OVPC	Z	1.417	1.5
99	OVPC	Mx	-.002	1.5
100	OVPC	X	-2.455	1.5
101	OVPC	Z	1.417	1.5
102	OVPC	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.939	1.79
2	MP3A	Z	0	1.79
3	MP3A	Mx	.002	1.79
4	MP3A	X	-1.939	4.21
5	MP3A	Z	0	4.21
6	MP3A	Mx	.002	4.21
7	MP3B	X	-4.394	1.79
8	MP3B	Z	0	1.79
9	MP3B	Mx	-.002	1.79
10	MP3B	X	-4.394	4.21
11	MP3B	Z	0	4.21
12	MP3B	Mx	-.002	4.21
13	MP3C	X	-3.541	1.79
14	MP3C	Z	0	1.79
15	MP3C	Mx	-.002	1.79
16	MP3C	X	-3.541	4.21
17	MP3C	Z	0	4.21
18	MP3C	Mx	-.002	4.21
19	MP1A	X	-1.258	3
20	MP1A	Z	0	3
21	MP1A	Mx	-.000839	3
22	MP1A	X	-1.258	3
23	MP1A	Z	0	3
24	MP1A	Mx	-.000839	3
25	MP1B	X	-1.726	3
26	MP1B	Z	0	3
27	MP1B	Mx	.000575	3
28	MP1B	X	-1.726	3
29	MP1B	Z	0	3
30	MP1B	Mx	.000575	3
31	MP1C	X	-1.726	3
32	MP1C	Z	0	3
33	MP1C	Mx	.000575	3
34	MP1C	X	-1.726	3
35	MP1C	Z	0	3
36	MP1C	Mx	.000575	3
37	MP2A	X	-1.145	3
38	MP2A	Z	0	3
39	MP2A	Mx	-.000763	3
40	MP2A	X	-1.145	3
41	MP2A	Z	0	3
42	MP2A	Mx	-.000763	3
43	MP2B	X	-1.698	3
44	MP2B	Z	0	3
45	MP2B	Mx	.000566	3
46	MP2B	X	-1.698	3
47	MP2B	Z	0	3
48	MP2B	Mx	.000566	3
49	MP2C	X	-1.698	3
50	MP2C	Z	0	3
51	MP2C	Mx	.000566	3
52	MP2C	X	-1.698	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	3
54	MP2C	Mx	.000566	3
55	MP2A	X	-5.515	.68
56	MP2A	Z	0	.68
57	MP2A	Mx	.005	.68
58	MP2A	X	-5.515	5.33
59	MP2A	Z	0	5.33
60	MP2A	Mx	.005	5.33
61	MP2B	X	-7.887	.68
62	MP2B	Z	0	.68
63	MP2B	Mx	.002	.68
64	MP2B	X	-7.887	5.33
65	MP2B	Z	0	5.33
66	MP2B	Mx	.002	5.33
67	MP2C	X	-7.064	.68
68	MP2C	Z	0	.68
69	MP2C	Mx	-.008	.68
70	MP2C	X	-7.064	5.33
71	MP2C	Z	0	5.33
72	MP2C	Mx	-.008	5.33
73	MP2A	X	-5.515	.68
74	MP2A	Z	0	.68
75	MP2A	Mx	.006	.68
76	MP2A	X	-5.515	5.33
77	MP2A	Z	0	5.33
78	MP2A	Mx	.006	5.33
79	MP2B	X	-7.887	.68
80	MP2B	Z	0	.68
81	MP2B	Mx	-.007	.68
82	MP2B	X	-7.887	5.33
83	MP2B	Z	0	5.33
84	MP2B	Mx	-.007	5.33
85	MP2C	X	-7.064	.68
86	MP2C	Z	0	.68
87	MP2C	Mx	-.001	.68
88	MP2C	X	-7.064	5.33
89	MP2C	Z	0	5.33
90	MP2C	Mx	-.001	5.33
91	OVPB	X	-3.476	1.5
92	OVPB	Z	0	1.5
93	OVPB	Mx	.002	1.5
94	OVPB	X	-3.476	1.5
95	OVPB	Z	0	1.5
96	OVPB	Mx	.002	1.5
97	OVPC	X	-2.514	1.5
98	OVPC	Z	0	1.5
99	OVPC	Mx	-.003	1.5
100	OVPC	X	-2.514	1.5
101	OVPC	Z	0	1.5
102	OVPC	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.634	1.79
2	MP3A	Z	-1.521	1.79
3	MP3A	Mx	.002	1.79
4	MP3A	X	-2.634	4.21
5	MP3A	Z	-1.521	4.21
6	MP3A	Mx	.002	4.21
7	MP3B	X	-4.022	1.79
8	MP3B	Z	-2.322	1.79
9	MP3B	Mx	.000806	1.79
10	MP3B	X	-4.022	4.21
11	MP3B	Z	-2.322	4.21
12	MP3B	Mx	.000806	4.21
13	MP3C	X	-1.895	1.79
14	MP3C	Z	-1.094	1.79
15	MP3C	Mx	-.002	1.79
16	MP3C	X	-1.895	4.21
17	MP3C	Z	-1.094	4.21
18	MP3C	Mx	-.002	4.21
19	MP1A	X	-1.225	3
20	MP1A	Z	-.707	3
21	MP1A	Mx	-.000817	3
22	MP1A	X	-1.225	3
23	MP1A	Z	-.707	3
24	MP1A	Mx	-.000817	3
25	MP1B	X	-1.63	3
26	MP1B	Z	-.941	3
27	MP1B	Mx	0	3
28	MP1B	X	-1.63	3
29	MP1B	Z	-.941	3
30	MP1B	Mx	0	3
31	MP1C	X	-1.225	3
32	MP1C	Z	-.707	3
33	MP1C	Mx	.000817	3
34	MP1C	X	-1.225	3
35	MP1C	Z	-.707	3
36	MP1C	Mx	.000817	3
37	MP2A	X	-1.151	3
38	MP2A	Z	-.665	3
39	MP2A	Mx	-.000767	3
40	MP2A	X	-1.151	3
41	MP2A	Z	-.665	3
42	MP2A	Mx	-.000767	3
43	MP2B	X	-1.63	3
44	MP2B	Z	-.941	3
45	MP2B	Mx	0	3
46	MP2B	X	-1.63	3
47	MP2B	Z	-.941	3
48	MP2B	Mx	0	3
49	MP2C	X	-1.151	3
50	MP2C	Z	-.665	3
51	MP2C	Mx	.000768	3
52	MP2C	X	-1.151	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-.665	3
54	MP2C	Mx	.000768	3
55	MP2A	X	-5.699	.68
56	MP2A	Z	-3.29	.68
57	MP2A	Mx	.003	.68
58	MP2A	X	-5.699	5.33
59	MP2A	Z	-3.29	5.33
60	MP2A	Mx	.003	5.33
61	MP2B	X	-7.04	.68
62	MP2B	Z	-4.064	.68
63	MP2B	Mx	.006	.68
64	MP2B	X	-7.04	5.33
65	MP2B	Z	-4.064	5.33
66	MP2B	Mx	.006	5.33
67	MP2C	X	-4.985	.68
68	MP2C	Z	-2.878	.68
69	MP2C	Mx	-.007	.68
70	MP2C	X	-4.985	5.33
71	MP2C	Z	-2.878	5.33
72	MP2C	Mx	-.007	5.33
73	MP2A	X	-5.699	.68
74	MP2A	Z	-3.29	.68
75	MP2A	Mx	.008	.68
76	MP2A	X	-5.699	5.33
77	MP2A	Z	-3.29	5.33
78	MP2A	Mx	.008	5.33
79	MP2B	X	-7.04	.68
80	MP2B	Z	-4.064	.68
81	MP2B	Mx	-.003	.68
82	MP2B	X	-7.04	5.33
83	MP2B	Z	-4.064	5.33
84	MP2B	Mx	-.003	5.33
85	MP2C	X	-4.985	.68
86	MP2C	Z	-2.878	.68
87	MP2C	Mx	-.004	.68
88	MP2C	X	-4.985	5.33
89	MP2C	Z	-2.878	5.33
90	MP2C	Mx	-.004	5.33
91	OVPB	X	-2.455	1.5
92	OVPB	Z	-1.417	1.5
93	OVPB	Mx	.002	1.5
94	OVPB	X	-2.455	1.5
95	OVPB	Z	-1.417	1.5
96	OVPB	Mx	.002	1.5
97	OVPC	X	-2.455	1.5
98	OVPC	Z	-1.417	1.5
99	OVPC	Mx	-.002	1.5
100	OVPC	X	-2.455	1.5
101	OVPC	Z	-1.417	1.5
102	OVPC	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.197	1.79
2	MP3A	Z	-3.805	1.79
3	MP3A	Mx	.002	1.79
4	MP3A	X	-2.197	4.21
5	MP3A	Z	-3.805	4.21
6	MP3A	Mx	.002	4.21
7	MP3B	X	-1.771	1.79
8	MP3B	Z	-3.067	1.79
9	MP3B	Mx	.002	1.79
10	MP3B	X	-1.771	4.21
11	MP3B	Z	-3.067	4.21
12	MP3B	Mx	.002	4.21
13	MP3C	X	-.969	1.79
14	MP3C	Z	-1.679	1.79
15	MP3C	Mx	-.002	1.79
16	MP3C	X	-.969	4.21
17	MP3C	Z	-1.679	4.21
18	MP3C	Mx	-.002	4.21
19	MP1A	X	-.863	3
20	MP1A	Z	-1.495	3
21	MP1A	Mx	-.000575	3
22	MP1A	X	-.863	3
23	MP1A	Z	-1.495	3
24	MP1A	Mx	-.000575	3
25	MP1B	X	-.863	3
26	MP1B	Z	-1.495	3
27	MP1B	Mx	-.000575	3
28	MP1B	X	-.863	3
29	MP1B	Z	-1.495	3
30	MP1B	Mx	-.000575	3
31	MP1C	X	-.629	3
32	MP1C	Z	-1.09	3
33	MP1C	Mx	.000839	3
34	MP1C	X	-.629	3
35	MP1C	Z	-1.09	3
36	MP1C	Mx	.000839	3
37	MP2A	X	-.849	3
38	MP2A	Z	-1.47	3
39	MP2A	Mx	-.000566	3
40	MP2A	X	-.849	3
41	MP2A	Z	-1.47	3
42	MP2A	Mx	-.000566	3
43	MP2B	X	-.849	3
44	MP2B	Z	-1.47	3
45	MP2B	Mx	-.000566	3
46	MP2B	X	-.849	3
47	MP2B	Z	-1.47	3
48	MP2B	Mx	-.000566	3
49	MP2C	X	-.572	3
50	MP2C	Z	-.991	3
51	MP2C	Mx	.000763	3
52	MP2C	X	-.572	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-.991	3
54	MP2C	Mx	.000763	3
55	MP2A	X	-3.944	.68
56	MP2A	Z	-6.831	.68
57	MP2A	Mx	-.002	.68
58	MP2A	X	-3.944	5.33
59	MP2A	Z	-6.831	5.33
60	MP2A	Mx	-.002	5.33
61	MP2B	X	-3.532	.68
62	MP2B	Z	-6.117	.68
63	MP2B	Mx	.008	.68
64	MP2B	X	-3.532	5.33
65	MP2B	Z	-6.117	5.33
66	MP2B	Mx	.008	5.33
67	MP2C	X	-2.758	.68
68	MP2C	Z	-4.776	.68
69	MP2C	Mx	-.005	.68
70	MP2C	X	-2.758	5.33
71	MP2C	Z	-4.776	5.33
72	MP2C	Mx	-.005	5.33
73	MP2A	X	-3.944	.68
74	MP2A	Z	-6.831	.68
75	MP2A	Mx	.007	.68
76	MP2A	X	-3.944	5.33
77	MP2A	Z	-6.831	5.33
78	MP2A	Mx	.007	5.33
79	MP2B	X	-3.532	.68
80	MP2B	Z	-6.117	.68
81	MP2B	Mx	.001	.68
82	MP2B	X	-3.532	5.33
83	MP2B	Z	-6.117	5.33
84	MP2B	Mx	.001	5.33
85	MP2C	X	-2.758	.68
86	MP2C	Z	-4.776	.68
87	MP2C	Mx	-.006	.68
88	MP2C	X	-2.758	5.33
89	MP2C	Z	-4.776	5.33
90	MP2C	Mx	-.006	5.33
91	OVPB	X	-1.257	1.5
92	OVPB	Z	-2.177	1.5
93	OVPB	Mx	.003	1.5
94	OVPB	X	-1.257	1.5
95	OVPB	Z	-2.177	1.5
96	OVPB	Mx	.003	1.5
97	OVPC	X	-1.738	1.5
98	OVPC	Z	-3.011	1.5
99	OVPC	Mx	-.002	1.5
100	OVPC	X	-1.738	1.5
101	OVPC	Z	-3.011	1.5
102	OVPC	Mx	-.002	1.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%66

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%36

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-10.916	-10.916	0	%100
2	M2	Y	-10.916	-10.916	0	%100
3	M3	Y	-10.916	-10.916	0	%100
4	M16	Y	-15.431	-15.431	0	%100
5	M17	Y	-15.431	-15.431	0	%100
6	M18	Y	-15.431	-15.431	0	%100
7	M19	Y	-15.431	-15.431	0	%100
8	M20	Y	-15.431	-15.431	0	%100
9	M21	Y	-15.431	-15.431	0	%100
10	M22	Y	-16.174	-16.174	0	%100
11	M23	Y	-16.174	-16.174	0	%100
12	M24	Y	-16.174	-16.174	0	%100
13	M25	Y	-16.174	-16.174	0	%100
14	M26	Y	-16.174	-16.174	0	%100
15	M27	Y	-16.174	-16.174	0	%100
16	M28	Y	-16.174	-16.174	0	%100
17	M29	Y	-16.174	-16.174	0	%100
18	M30	Y	-16.174	-16.174	0	%100
19	M31	Y	-16.174	-16.174	0	%100
20	M32	Y	-16.174	-16.174	0	%100
21	M33	Y	-16.174	-16.174	0	%100
22	M34	Y	-16.174	-16.174	0	%100
23	M35	Y	-16.174	-16.174	0	%100
24	M36	Y	-16.174	-16.174	0	%100
25	M37	Y	-16.174	-16.174	0	%100
26	M38	Y	-16.174	-16.174	0	%100
27	M39	Y	-16.174	-16.174	0	%100
28	M40	Y	-16.174	-16.174	0	%100
29	M41	Y	-16.174	-16.174	0	%100
30	M42	Y	-16.174	-16.174	0	%100
31	M43	Y	-9.51	-9.51	0	%100
32	M44	Y	-9.51	-9.51	0	%100
33	M45	Y	-9.51	-9.51	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M46	Y	-9.51	-9.51	0	%100
35	M47	Y	-9.51	-9.51	0	%100
36	M48	Y	-9.51	-9.51	0	%100
37	M49	Y	-8.56	-8.56	0	%100
38	M50	Y	-8.56	-8.56	0	%100
39	M51	Y	-8.56	-8.56	0	%100
40	M96	Y	-20.468	-20.468	0	%100
41	M97	Y	-20.468	-20.468	0	%100
42	M98	Y	-20.468	-20.468	0	%100
43	MP1A	Y	-8.56	-8.56	0	%100
44	MP1B	Y	-8.56	-8.56	0	%100
45	MP1C	Y	-8.56	-8.56	0	%100
46	MP2A	Y	-8.56	-8.56	0	%100
47	MP2B	Y	-8.56	-8.56	0	%100
48	MP2C	Y	-8.56	-8.56	0	%100
49	MP3A	Y	-8.56	-8.56	0	%100
50	MP3B	Y	-8.56	-8.56	0	%100
51	MP3C	Y	-8.56	-8.56	0	%100
52	MP4A	Y	-8.56	-8.56	0	%100
53	MP4B	Y	-8.56	-8.56	0	%100
54	MP4C	Y	-8.56	-8.56	0	%100
55	OVPB	Y	-8.56	-8.56	0	%100
56	OVPC	Y	-8.56	-8.56	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-10.851	-10.851	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.713	-2.713	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-2.713	-2.713	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	-8.294	-8.294	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	-8.294	-8.294	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	-2.752	-2.752	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	-11.008	-11.008	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	-2.752	-2.752	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	-4.65	-4.65	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	-4.65	-4.65	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	-18.601	-18.601	0	%100
25	M25	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M25	Z	-4.65	-4.65	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-18.601	-18.601	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-4.65	-4.65	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-4.65	-4.65	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-18.601	-18.601	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-4.65	-4.65	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-4.65	-4.65	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-13.951	-13.951	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-4.65	-4.65	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-13.951	-13.951	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-18.601	-18.601	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	-13.951	-13.951	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-18.601	-18.601	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-13.951	-13.951	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-4.65	-4.65	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-4.65	-4.65	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	-2.583	-2.583	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	-2.583	-2.583	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	-2.583	-2.583	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	-10.334	-10.334	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	-10.334	-10.334	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	-2.583	-2.583	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	-7.363	-7.363	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-1.841	-1.841	0	%100
77	M51	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M51	Z	-1.841	-1.841	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	-5.686	-5.686	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	-22.744	-22.744	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	-5.686	-5.686	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-7.363	-7.363	0	%100
87	MP1B	X	0	0	0	%100
88	MP1B	Z	-7.363	-7.363	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-7.363	-7.363	0	%100
91	MP2A	X	0	0	0	%100
92	MP2A	Z	-7.363	-7.363	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-7.363	-7.363	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-7.363	-7.363	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	-7.363	-7.363	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-7.363	-7.363	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-7.363	-7.363	0	%100
103	MP4A	X	0	0	0	%100
104	MP4A	Z	-7.363	-7.363	0	%100
105	MP4B	X	0	0	0	%100
106	MP4B	Z	-7.363	-7.363	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-7.363	-7.363	0	%100
109	OVPB	X	0	0	0	%100
110	OVPB	Z	-5.332	-5.332	0	%100
111	OVPC	X	0	0	0	%100
112	OVPC	Z	-5.332	-5.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.069	4.069	0	%100
2	M1	Z	-7.048	-7.048	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	4.069	4.069	0	%100
6	M3	Z	-7.048	-7.048	0	%100
7	M16	X	5.529	5.529	0	%100
8	M16	Z	-9.577	-9.577	0	%100
9	M17	X	1.382	1.382	0	%100
10	M17	Z	-2.394	-2.394	0	%100
11	M18	X	1.382	1.382	0	%100
12	M18	Z	-2.394	-2.394	0	%100
13	M19	X	4.128	4.128	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M19	Z	-7.15	-7.15	0	%100
15	M20	X	4.128	4.128	0	%100
16	M20	Z	-7.15	-7.15	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	6.975	6.975	0	%100
20	M22	Z	-12.082	-12.082	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	6.975	6.975	0	%100
24	M24	Z	-12.082	-12.082	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	6.975	6.975	0	%100
28	M26	Z	-12.082	-12.082	0	%100
29	M27	X	6.975	6.975	0	%100
30	M27	Z	-12.082	-12.082	0	%100
31	M28	X	6.975	6.975	0	%100
32	M28	Z	-12.082	-12.082	0	%100
33	M29	X	6.975	6.975	0	%100
34	M29	Z	-12.082	-12.082	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	2.325	2.325	0	%100
38	M31	Z	-4.027	-4.027	0	%100
39	M32	X	6.975	6.975	0	%100
40	M32	Z	-12.082	-12.082	0	%100
41	M33	X	9.301	9.301	0	%100
42	M33	Z	-16.109	-16.109	0	%100
43	M34	X	6.975	6.975	0	%100
44	M34	Z	-12.082	-12.082	0	%100
45	M35	X	9.301	9.301	0	%100
46	M35	Z	-16.109	-16.109	0	%100
47	M36	X	6.975	6.975	0	%100
48	M36	Z	-12.082	-12.082	0	%100
49	M37	X	2.325	2.325	0	%100
50	M37	Z	-4.027	-4.027	0	%100
51	M38	X	6.975	6.975	0	%100
52	M38	Z	-12.082	-12.082	0	%100
53	M39	X	2.325	2.325	0	%100
54	M39	Z	-4.027	-4.027	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	2.325	2.325	0	%100
58	M41	Z	-4.027	-4.027	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	3.875	3.875	0	%100
64	M44	Z	-6.712	-6.712	0	%100
65	M45	X	3.875	3.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	M45	Z	-6.712	-6.712	0	%100
67	M46	X	3.875	3.875	0	%100
68	M46	Z	-6.712	-6.712	0	%100
69	M47	X	3.875	3.875	0	%100
70	M47	Z	-6.712	-6.712	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	2.761	2.761	0	%100
74	M49	Z	-4.782	-4.782	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	2.761	2.761	0	%100
78	M51	Z	-4.782	-4.782	0	%100
79	M96	X	8.529	8.529	0	%100
80	M96	Z	-14.773	-14.773	0	%100
81	M97	X	8.529	8.529	0	%100
82	M97	Z	-14.773	-14.773	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	3.681	3.681	0	%100
86	MP1A	Z	-6.376	-6.376	0	%100
87	MP1B	X	3.681	3.681	0	%100
88	MP1B	Z	-6.376	-6.376	0	%100
89	MP1C	X	3.681	3.681	0	%100
90	MP1C	Z	-6.376	-6.376	0	%100
91	MP2A	X	3.681	3.681	0	%100
92	MP2A	Z	-6.376	-6.376	0	%100
93	MP2B	X	3.681	3.681	0	%100
94	MP2B	Z	-6.376	-6.376	0	%100
95	MP2C	X	3.681	3.681	0	%100
96	MP2C	Z	-6.376	-6.376	0	%100
97	MP3A	X	3.681	3.681	0	%100
98	MP3A	Z	-6.376	-6.376	0	%100
99	MP3B	X	3.681	3.681	0	%100
100	MP3B	Z	-6.376	-6.376	0	%100
101	MP3C	X	3.681	3.681	0	%100
102	MP3C	Z	-6.376	-6.376	0	%100
103	MP4A	X	3.681	3.681	0	%100
104	MP4A	Z	-6.376	-6.376	0	%100
105	MP4B	X	3.681	3.681	0	%100
106	MP4B	Z	-6.376	-6.376	0	%100
107	MP4C	X	3.681	3.681	0	%100
108	MP4C	Z	-6.376	-6.376	0	%100
109	OVPB	X	2.666	2.666	0	%100
110	OVPB	Z	-4.618	-4.618	0	%100
111	OVPC	X	2.666	2.666	0	%100
112	OVPC	Z	-4.618	-4.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.349	2.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	-1.356	-1.356	0	%100
3	M2	X	2.349	2.349	0	%100
4	M2	Z	-1.356	-1.356	0	%100
5	M3	X	9.397	9.397	0	%100
6	M3	Z	-5.425	-5.425	0	%100
7	M16	X	7.183	7.183	0	%100
8	M16	Z	-4.147	-4.147	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	7.183	7.183	0	%100
12	M18	Z	-4.147	-4.147	0	%100
13	M19	X	9.534	9.534	0	%100
14	M19	Z	-5.504	-5.504	0	%100
15	M20	X	2.383	2.383	0	%100
16	M20	Z	-1.376	-1.376	0	%100
17	M21	X	2.383	2.383	0	%100
18	M21	Z	-1.376	-1.376	0	%100
19	M22	X	16.109	16.109	0	%100
20	M22	Z	-9.301	-9.301	0	%100
21	M23	X	4.027	4.027	0	%100
22	M23	Z	-2.325	-2.325	0	%100
23	M24	X	4.027	4.027	0	%100
24	M24	Z	-2.325	-2.325	0	%100
25	M25	X	4.027	4.027	0	%100
26	M25	Z	-2.325	-2.325	0	%100
27	M26	X	4.027	4.027	0	%100
28	M26	Z	-2.325	-2.325	0	%100
29	M27	X	16.109	16.109	0	%100
30	M27	Z	-9.301	-9.301	0	%100
31	M28	X	16.109	16.109	0	%100
32	M28	Z	-9.301	-9.301	0	%100
33	M29	X	4.027	4.027	0	%100
34	M29	Z	-2.325	-2.325	0	%100
35	M30	X	4.027	4.027	0	%100
36	M30	Z	-2.325	-2.325	0	%100
37	M31	X	12.082	12.082	0	%100
38	M31	Z	-6.975	-6.975	0	%100
39	M32	X	16.109	16.109	0	%100
40	M32	Z	-9.301	-9.301	0	%100
41	M33	X	12.082	12.082	0	%100
42	M33	Z	-6.975	-6.975	0	%100
43	M34	X	16.109	16.109	0	%100
44	M34	Z	-9.301	-9.301	0	%100
45	M35	X	12.082	12.082	0	%100
46	M35	Z	-6.975	-6.975	0	%100
47	M36	X	4.027	4.027	0	%100
48	M36	Z	-2.325	-2.325	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	4.027	4.027	0	%100
52	M38	Z	-2.325	-2.325	0	%100
53	M39	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
54	M39	Z	0	0	0	%100
55	M40	X	4.027	4.027	0	%100
56	M40	Z	-2.325	-2.325	0	%100
57	M41	X	12.082	12.082	0	%100
58	M41	Z	-6.975	-6.975	0	%100
59	M42	X	4.027	4.027	0	%100
60	M42	Z	-2.325	-2.325	0	%100
61	M43	X	2.237	2.237	0	%100
62	M43	Z	-1.292	-1.292	0	%100
63	M44	X	8.949	8.949	0	%100
64	M44	Z	-5.167	-5.167	0	%100
65	M45	X	8.949	8.949	0	%100
66	M45	Z	-5.167	-5.167	0	%100
67	M46	X	2.237	2.237	0	%100
68	M46	Z	-1.292	-1.292	0	%100
69	M47	X	2.237	2.237	0	%100
70	M47	Z	-1.292	-1.292	0	%100
71	M48	X	2.237	2.237	0	%100
72	M48	Z	-1.292	-1.292	0	%100
73	M49	X	1.594	1.594	0	%100
74	M49	Z	-.92	-.92	0	%100
75	M50	X	1.594	1.594	0	%100
76	M50	Z	-.92	-.92	0	%100
77	M51	X	6.376	6.376	0	%100
78	M51	Z	-3.681	-3.681	0	%100
79	M96	X	19.697	19.697	0	%100
80	M96	Z	-11.372	-11.372	0	%100
81	M97	X	4.924	4.924	0	%100
82	M97	Z	-2.843	-2.843	0	%100
83	M98	X	4.924	4.924	0	%100
84	M98	Z	-2.843	-2.843	0	%100
85	MP1A	X	6.376	6.376	0	%100
86	MP1A	Z	-3.681	-3.681	0	%100
87	MP1B	X	6.376	6.376	0	%100
88	MP1B	Z	-3.681	-3.681	0	%100
89	MP1C	X	6.376	6.376	0	%100
90	MP1C	Z	-3.681	-3.681	0	%100
91	MP2A	X	6.376	6.376	0	%100
92	MP2A	Z	-3.681	-3.681	0	%100
93	MP2B	X	6.376	6.376	0	%100
94	MP2B	Z	-3.681	-3.681	0	%100
95	MP2C	X	6.376	6.376	0	%100
96	MP2C	Z	-3.681	-3.681	0	%100
97	MP3A	X	6.376	6.376	0	%100
98	MP3A	Z	-3.681	-3.681	0	%100
99	MP3B	X	6.376	6.376	0	%100
100	MP3B	Z	-3.681	-3.681	0	%100
101	MP3C	X	6.376	6.376	0	%100
102	MP3C	Z	-3.681	-3.681	0	%100
103	MP4A	X	6.376	6.376	0	%100
104	MP4A	Z	-3.681	-3.681	0	%100
105	MP4B	X	6.376	6.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
106	MP4B	Z	-3.681	-3.681	0	%100
107	MP4C	X	6.376	6.376	0	%100
108	MP4C	Z	-3.681	-3.681	0	%100
109	OVPB	X	4.618	4.618	0	%100
110	OVPB	Z	-2.666	-2.666	0	%100
111	OVPC	X	4.618	4.618	0	%100
112	OVPC	Z	-2.666	-2.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	8.138	8.138	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	8.138	8.138	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	2.765	2.765	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	2.765	2.765	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	11.059	11.059	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	8.256	8.256	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	0	0	0	%100
17	M21	X	8.256	8.256	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	13.951	13.951	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	13.951	13.951	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M25	X	13.951	13.951	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	13.951	13.951	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	13.951	13.951	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	13.951	13.951	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	18.601	18.601	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	13.951	13.951	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	4.65	4.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	M33	Z	0	0	0	%100
43	M34	X	13.951	13.951	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	4.65	4.65	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M37	X	4.65	4.65	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	4.65	4.65	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	13.951	13.951	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	18.601	18.601	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	13.951	13.951	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	7.75	7.75	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	7.75	7.75	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	7.75	7.75	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	0	0	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	0	0	0	%100
71	M48	X	7.75	7.75	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	5.522	5.522	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	5.522	5.522	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	17.058	17.058	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	17.058	17.058	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	7.363	7.363	0	%100
86	MP1A	Z	0	0	0	%100
87	MP1B	X	7.363	7.363	0	%100
88	MP1B	Z	0	0	0	%100
89	MP1C	X	7.363	7.363	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2A	X	7.363	7.363	0	%100
92	MP2A	Z	0	0	0	%100
93	MP2B	X	7.363	7.363	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP2B	Z	0	0	0	%100
95	MP2C	X	7.363	7.363	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3A	X	7.363	7.363	0	%100
98	MP3A	Z	0	0	0	%100
99	MP3B	X	7.363	7.363	0	%100
100	MP3B	Z	0	0	0	%100
101	MP3C	X	7.363	7.363	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4A	X	7.363	7.363	0	%100
104	MP4A	Z	0	0	0	%100
105	MP4B	X	7.363	7.363	0	%100
106	MP4B	Z	0	0	0	%100
107	MP4C	X	7.363	7.363	0	%100
108	MP4C	Z	0	0	0	%100
109	OVPB	X	5.332	5.332	0	%100
110	OVPB	Z	0	0	0	%100
111	OVPC	X	5.332	5.332	0	%100
112	OVPC	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.349	2.349	0	%100
2	M1	Z	1.356	1.356	0	%100
3	M2	X	9.397	9.397	0	%100
4	M2	Z	5.425	5.425	0	%100
5	M3	X	2.349	2.349	0	%100
6	M3	Z	1.356	1.356	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	7.183	7.183	0	%100
10	M17	Z	4.147	4.147	0	%100
11	M18	X	7.183	7.183	0	%100
12	M18	Z	4.147	4.147	0	%100
13	M19	X	2.383	2.383	0	%100
14	M19	Z	1.376	1.376	0	%100
15	M20	X	2.383	2.383	0	%100
16	M20	Z	1.376	1.376	0	%100
17	M21	X	9.534	9.534	0	%100
18	M21	Z	5.504	5.504	0	%100
19	M22	X	4.027	4.027	0	%100
20	M22	Z	2.325	2.325	0	%100
21	M23	X	16.109	16.109	0	%100
22	M23	Z	9.301	9.301	0	%100
23	M24	X	4.027	4.027	0	%100
24	M24	Z	2.325	2.325	0	%100
25	M25	X	16.109	16.109	0	%100
26	M25	Z	9.301	9.301	0	%100
27	M26	X	4.027	4.027	0	%100
28	M26	Z	2.325	2.325	0	%100
29	M27	X	4.027	4.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M27	Z	2.325	2.325	0	%100
31	M28	X	4.027	4.027	0	%100
32	M28	Z	2.325	2.325	0	%100
33	M29	X	4.027	4.027	0	%100
34	M29	Z	2.325	2.325	0	%100
35	M30	X	16.109	16.109	0	%100
36	M30	Z	9.301	9.301	0	%100
37	M31	X	12.082	12.082	0	%100
38	M31	Z	6.975	6.975	0	%100
39	M32	X	4.027	4.027	0	%100
40	M32	Z	2.325	2.325	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	4.027	4.027	0	%100
44	M34	Z	2.325	2.325	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	4.027	4.027	0	%100
48	M36	Z	2.325	2.325	0	%100
49	M37	X	12.082	12.082	0	%100
50	M37	Z	6.975	6.975	0	%100
51	M38	X	4.027	4.027	0	%100
52	M38	Z	2.325	2.325	0	%100
53	M39	X	12.082	12.082	0	%100
54	M39	Z	6.975	6.975	0	%100
55	M40	X	16.109	16.109	0	%100
56	M40	Z	9.301	9.301	0	%100
57	M41	X	12.082	12.082	0	%100
58	M41	Z	6.975	6.975	0	%100
59	M42	X	16.109	16.109	0	%100
60	M42	Z	9.301	9.301	0	%100
61	M43	X	8.949	8.949	0	%100
62	M43	Z	5.167	5.167	0	%100
63	M44	X	2.237	2.237	0	%100
64	M44	Z	1.292	1.292	0	%100
65	M45	X	2.237	2.237	0	%100
66	M45	Z	1.292	1.292	0	%100
67	M46	X	2.237	2.237	0	%100
68	M46	Z	1.292	1.292	0	%100
69	M47	X	2.237	2.237	0	%100
70	M47	Z	1.292	1.292	0	%100
71	M48	X	8.949	8.949	0	%100
72	M48	Z	5.167	5.167	0	%100
73	M49	X	1.594	1.594	0	%100
74	M49	Z	.92	.92	0	%100
75	M50	X	6.376	6.376	0	%100
76	M50	Z	3.681	3.681	0	%100
77	M51	X	1.594	1.594	0	%100
78	M51	Z	.92	.92	0	%100
79	M96	X	4.924	4.924	0	%100
80	M96	Z	2.843	2.843	0	%100
81	M97	X	4.924	4.924	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	M97	Z	2.843	2.843	0	%100
83	M98	X	19.697	19.697	0	%100
84	M98	Z	11.372	11.372	0	%100
85	MP1A	X	6.376	6.376	0	%100
86	MP1A	Z	3.681	3.681	0	%100
87	MP1B	X	6.376	6.376	0	%100
88	MP1B	Z	3.681	3.681	0	%100
89	MP1C	X	6.376	6.376	0	%100
90	MP1C	Z	3.681	3.681	0	%100
91	MP2A	X	6.376	6.376	0	%100
92	MP2A	Z	3.681	3.681	0	%100
93	MP2B	X	6.376	6.376	0	%100
94	MP2B	Z	3.681	3.681	0	%100
95	MP2C	X	6.376	6.376	0	%100
96	MP2C	Z	3.681	3.681	0	%100
97	MP3A	X	6.376	6.376	0	%100
98	MP3A	Z	3.681	3.681	0	%100
99	MP3B	X	6.376	6.376	0	%100
100	MP3B	Z	3.681	3.681	0	%100
101	MP3C	X	6.376	6.376	0	%100
102	MP3C	Z	3.681	3.681	0	%100
103	MP4A	X	6.376	6.376	0	%100
104	MP4A	Z	3.681	3.681	0	%100
105	MP4B	X	6.376	6.376	0	%100
106	MP4B	Z	3.681	3.681	0	%100
107	MP4C	X	6.376	6.376	0	%100
108	MP4C	Z	3.681	3.681	0	%100
109	OVPB	X	4.618	4.618	0	%100
110	OVPB	Z	2.666	2.666	0	%100
111	OVPC	X	4.618	4.618	0	%100
112	OVPC	Z	2.666	2.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.069	4.069	0	%100
2	M1	Z	7.048	7.048	0	%100
3	M2	X	4.069	4.069	0	%100
4	M2	Z	7.048	7.048	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	1.382	1.382	0	%100
8	M16	Z	2.394	2.394	0	%100
9	M17	X	5.529	5.529	0	%100
10	M17	Z	9.577	9.577	0	%100
11	M18	X	1.382	1.382	0	%100
12	M18	Z	2.394	2.394	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	4.128	4.128	0	%100
16	M20	Z	7.15	7.15	0	%100
17	M21	X	4.128	4.128	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M21	Z	7.15	7.15	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	6.975	6.975	0	%100
22	M23	Z	12.082	12.082	0	%100
23	M24	X	6.975	6.975	0	%100
24	M24	Z	12.082	12.082	0	%100
25	M25	X	6.975	6.975	0	%100
26	M25	Z	12.082	12.082	0	%100
27	M26	X	6.975	6.975	0	%100
28	M26	Z	12.082	12.082	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	6.975	6.975	0	%100
34	M29	Z	12.082	12.082	0	%100
35	M30	X	6.975	6.975	0	%100
36	M30	Z	12.082	12.082	0	%100
37	M31	X	2.325	2.325	0	%100
38	M31	Z	4.027	4.027	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	2.325	2.325	0	%100
42	M33	Z	4.027	4.027	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	2.325	2.325	0	%100
46	M35	Z	4.027	4.027	0	%100
47	M36	X	6.975	6.975	0	%100
48	M36	Z	12.082	12.082	0	%100
49	M37	X	9.301	9.301	0	%100
50	M37	Z	16.109	16.109	0	%100
51	M38	X	6.975	6.975	0	%100
52	M38	Z	12.082	12.082	0	%100
53	M39	X	9.301	9.301	0	%100
54	M39	Z	16.109	16.109	0	%100
55	M40	X	6.975	6.975	0	%100
56	M40	Z	12.082	12.082	0	%100
57	M41	X	2.325	2.325	0	%100
58	M41	Z	4.027	4.027	0	%100
59	M42	X	6.975	6.975	0	%100
60	M42	Z	12.082	12.082	0	%100
61	M43	X	3.875	3.875	0	%100
62	M43	Z	6.712	6.712	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	3.875	3.875	0	%100
68	M46	Z	6.712	6.712	0	%100
69	M47	X	3.875	3.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M47	Z	6.712	6.712	0	%100
71	M48	X	3.875	3.875	0	%100
72	M48	Z	6.712	6.712	0	%100
73	M49	X	2.761	2.761	0	%100
74	M49	Z	4.782	4.782	0	%100
75	M50	X	2.761	2.761	0	%100
76	M50	Z	4.782	4.782	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	8.529	8.529	0	%100
82	M97	Z	14.773	14.773	0	%100
83	M98	X	8.529	8.529	0	%100
84	M98	Z	14.773	14.773	0	%100
85	MP1A	X	3.681	3.681	0	%100
86	MP1A	Z	6.376	6.376	0	%100
87	MP1B	X	3.681	3.681	0	%100
88	MP1B	Z	6.376	6.376	0	%100
89	MP1C	X	3.681	3.681	0	%100
90	MP1C	Z	6.376	6.376	0	%100
91	MP2A	X	3.681	3.681	0	%100
92	MP2A	Z	6.376	6.376	0	%100
93	MP2B	X	3.681	3.681	0	%100
94	MP2B	Z	6.376	6.376	0	%100
95	MP2C	X	3.681	3.681	0	%100
96	MP2C	Z	6.376	6.376	0	%100
97	MP3A	X	3.681	3.681	0	%100
98	MP3A	Z	6.376	6.376	0	%100
99	MP3B	X	3.681	3.681	0	%100
100	MP3B	Z	6.376	6.376	0	%100
101	MP3C	X	3.681	3.681	0	%100
102	MP3C	Z	6.376	6.376	0	%100
103	MP4A	X	3.681	3.681	0	%100
104	MP4A	Z	6.376	6.376	0	%100
105	MP4B	X	3.681	3.681	0	%100
106	MP4B	Z	6.376	6.376	0	%100
107	MP4C	X	3.681	3.681	0	%100
108	MP4C	Z	6.376	6.376	0	%100
109	OVPB	X	2.666	2.666	0	%100
110	OVPB	Z	4.618	4.618	0	%100
111	OVPC	X	2.666	2.666	0	%100
112	OVPC	Z	4.618	4.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	10.851	10.851	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.713	2.713	0	%100
5	M3	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M3	Z	2.713	2.713	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	8.294	8.294	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	8.294	8.294	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	2.752	2.752	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	11.008	11.008	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	2.752	2.752	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	4.65	4.65	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	4.65	4.65	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	18.601	18.601	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	4.65	4.65	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	18.601	18.601	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	4.65	4.65	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	4.65	4.65	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	18.601	18.601	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	4.65	4.65	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	4.65	4.65	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	13.951	13.951	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	4.65	4.65	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	13.951	13.951	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	18.601	18.601	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	13.951	13.951	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	18.601	18.601	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	13.951	13.951	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	4.65	4.65	0	%100
57	M41	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	4.65	4.65	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	2.583	2.583	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	2.583	2.583	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	2.583	2.583	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	10.334	10.334	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	10.334	10.334	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	2.583	2.583	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	7.363	7.363	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	1.841	1.841	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	1.841	1.841	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	5.686	5.686	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	22.744	22.744	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	5.686	5.686	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	7.363	7.363	0	%100
87	MP1B	X	0	0	0	%100
88	MP1B	Z	7.363	7.363	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	7.363	7.363	0	%100
91	MP2A	X	0	0	0	%100
92	MP2A	Z	7.363	7.363	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	7.363	7.363	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	7.363	7.363	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	7.363	7.363	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	7.363	7.363	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	7.363	7.363	0	%100
103	MP4A	X	0	0	0	%100
104	MP4A	Z	7.363	7.363	0	%100
105	MP4B	X	0	0	0	%100
106	MP4B	Z	7.363	7.363	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	7.363	7.363	0	%100
109	OVPB	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	OVPB	Z	5.332	5.332	0	%100
111	OVPC	X	0	0	0	%100
112	OVPC	Z	5.332	5.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.069	-4.069	0	%100
2	M1	Z	7.048	7.048	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-4.069	-4.069	0	%100
6	M3	Z	7.048	7.048	0	%100
7	M16	X	-5.529	-5.529	0	%100
8	M16	Z	9.577	9.577	0	%100
9	M17	X	-1.382	-1.382	0	%100
10	M17	Z	2.394	2.394	0	%100
11	M18	X	-1.382	-1.382	0	%100
12	M18	Z	2.394	2.394	0	%100
13	M19	X	-4.128	-4.128	0	%100
14	M19	Z	7.15	7.15	0	%100
15	M20	X	-4.128	-4.128	0	%100
16	M20	Z	7.15	7.15	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	-6.975	-6.975	0	%100
20	M22	Z	12.082	12.082	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	-6.975	-6.975	0	%100
24	M24	Z	12.082	12.082	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-6.975	-6.975	0	%100
28	M26	Z	12.082	12.082	0	%100
29	M27	X	-6.975	-6.975	0	%100
30	M27	Z	12.082	12.082	0	%100
31	M28	X	-6.975	-6.975	0	%100
32	M28	Z	12.082	12.082	0	%100
33	M29	X	-6.975	-6.975	0	%100
34	M29	Z	12.082	12.082	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-2.325	-2.325	0	%100
38	M31	Z	4.027	4.027	0	%100
39	M32	X	-6.975	-6.975	0	%100
40	M32	Z	12.082	12.082	0	%100
41	M33	X	-9.301	-9.301	0	%100
42	M33	Z	16.109	16.109	0	%100
43	M34	X	-6.975	-6.975	0	%100
44	M34	Z	12.082	12.082	0	%100
45	M35	X	-9.301	-9.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M35	Z	16.109	16.109	0	%100
47	M36	X	-6.975	-6.975	0	%100
48	M36	Z	12.082	12.082	0	%100
49	M37	X	-2.325	-2.325	0	%100
50	M37	Z	4.027	4.027	0	%100
51	M38	X	-6.975	-6.975	0	%100
52	M38	Z	12.082	12.082	0	%100
53	M39	X	-2.325	-2.325	0	%100
54	M39	Z	4.027	4.027	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-2.325	-2.325	0	%100
58	M41	Z	4.027	4.027	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	-3.875	-3.875	0	%100
64	M44	Z	6.712	6.712	0	%100
65	M45	X	-3.875	-3.875	0	%100
66	M45	Z	6.712	6.712	0	%100
67	M46	X	-3.875	-3.875	0	%100
68	M46	Z	6.712	6.712	0	%100
69	M47	X	-3.875	-3.875	0	%100
70	M47	Z	6.712	6.712	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	-2.761	-2.761	0	%100
74	M49	Z	4.782	4.782	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-2.761	-2.761	0	%100
78	M51	Z	4.782	4.782	0	%100
79	M96	X	-8.529	-8.529	0	%100
80	M96	Z	14.773	14.773	0	%100
81	M97	X	-8.529	-8.529	0	%100
82	M97	Z	14.773	14.773	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	-3.681	-3.681	0	%100
86	MP1A	Z	6.376	6.376	0	%100
87	MP1B	X	-3.681	-3.681	0	%100
88	MP1B	Z	6.376	6.376	0	%100
89	MP1C	X	-3.681	-3.681	0	%100
90	MP1C	Z	6.376	6.376	0	%100
91	MP2A	X	-3.681	-3.681	0	%100
92	MP2A	Z	6.376	6.376	0	%100
93	MP2B	X	-3.681	-3.681	0	%100
94	MP2B	Z	6.376	6.376	0	%100
95	MP2C	X	-3.681	-3.681	0	%100
96	MP2C	Z	6.376	6.376	0	%100
97	MP3A	X	-3.681	-3.681	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	MP3A	Z	6.376	6.376	0	%100
99	MP3B	X	-3.681	-3.681	0	%100
100	MP3B	Z	6.376	6.376	0	%100
101	MP3C	X	-3.681	-3.681	0	%100
102	MP3C	Z	6.376	6.376	0	%100
103	MP4A	X	-3.681	-3.681	0	%100
104	MP4A	Z	6.376	6.376	0	%100
105	MP4B	X	-3.681	-3.681	0	%100
106	MP4B	Z	6.376	6.376	0	%100
107	MP4C	X	-3.681	-3.681	0	%100
108	MP4C	Z	6.376	6.376	0	%100
109	OVPB	X	-2.666	-2.666	0	%100
110	OVPB	Z	4.618	4.618	0	%100
111	OVPC	X	-2.666	-2.666	0	%100
112	OVPC	Z	4.618	4.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.349	-2.349	0	%100
2	M1	Z	1.356	1.356	0	%100
3	M2	X	-2.349	-2.349	0	%100
4	M2	Z	1.356	1.356	0	%100
5	M3	X	-9.397	-9.397	0	%100
6	M3	Z	5.425	5.425	0	%100
7	M16	X	-7.183	-7.183	0	%100
8	M16	Z	4.147	4.147	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-7.183	-7.183	0	%100
12	M18	Z	4.147	4.147	0	%100
13	M19	X	-9.534	-9.534	0	%100
14	M19	Z	5.504	5.504	0	%100
15	M20	X	-2.383	-2.383	0	%100
16	M20	Z	1.376	1.376	0	%100
17	M21	X	-2.383	-2.383	0	%100
18	M21	Z	1.376	1.376	0	%100
19	M22	X	-16.109	-16.109	0	%100
20	M22	Z	9.301	9.301	0	%100
21	M23	X	-4.027	-4.027	0	%100
22	M23	Z	2.325	2.325	0	%100
23	M24	X	-4.027	-4.027	0	%100
24	M24	Z	2.325	2.325	0	%100
25	M25	X	-4.027	-4.027	0	%100
26	M25	Z	2.325	2.325	0	%100
27	M26	X	-4.027	-4.027	0	%100
28	M26	Z	2.325	2.325	0	%100
29	M27	X	-16.109	-16.109	0	%100
30	M27	Z	9.301	9.301	0	%100
31	M28	X	-16.109	-16.109	0	%100
32	M28	Z	9.301	9.301	0	%100
33	M29	X	-4.027	-4.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M29	Z	2.325	2.325	0	%100
35	M30	X	-4.027	-4.027	0	%100
36	M30	Z	2.325	2.325	0	%100
37	M31	X	-12.082	-12.082	0	%100
38	M31	Z	6.975	6.975	0	%100
39	M32	X	-16.109	-16.109	0	%100
40	M32	Z	9.301	9.301	0	%100
41	M33	X	-12.082	-12.082	0	%100
42	M33	Z	6.975	6.975	0	%100
43	M34	X	-16.109	-16.109	0	%100
44	M34	Z	9.301	9.301	0	%100
45	M35	X	-12.082	-12.082	0	%100
46	M35	Z	6.975	6.975	0	%100
47	M36	X	-4.027	-4.027	0	%100
48	M36	Z	2.325	2.325	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	-4.027	-4.027	0	%100
52	M38	Z	2.325	2.325	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-4.027	-4.027	0	%100
56	M40	Z	2.325	2.325	0	%100
57	M41	X	-12.082	-12.082	0	%100
58	M41	Z	6.975	6.975	0	%100
59	M42	X	-4.027	-4.027	0	%100
60	M42	Z	2.325	2.325	0	%100
61	M43	X	-2.237	-2.237	0	%100
62	M43	Z	1.292	1.292	0	%100
63	M44	X	-8.949	-8.949	0	%100
64	M44	Z	5.167	5.167	0	%100
65	M45	X	-8.949	-8.949	0	%100
66	M45	Z	5.167	5.167	0	%100
67	M46	X	-2.237	-2.237	0	%100
68	M46	Z	1.292	1.292	0	%100
69	M47	X	-2.237	-2.237	0	%100
70	M47	Z	1.292	1.292	0	%100
71	M48	X	-2.237	-2.237	0	%100
72	M48	Z	1.292	1.292	0	%100
73	M49	X	-1.594	-1.594	0	%100
74	M49	Z	.92	.92	0	%100
75	M50	X	-1.594	-1.594	0	%100
76	M50	Z	.92	.92	0	%100
77	M51	X	-6.376	-6.376	0	%100
78	M51	Z	3.681	3.681	0	%100
79	M96	X	-19.697	-19.697	0	%100
80	M96	Z	11.372	11.372	0	%100
81	M97	X	-4.924	-4.924	0	%100
82	M97	Z	2.843	2.843	0	%100
83	M98	X	-4.924	-4.924	0	%100
84	M98	Z	2.843	2.843	0	%100
85	MP1A	X	-6.376	-6.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	MP1A	Z	3.681	3.681	0	%100
87	MP1B	X	-6.376	-6.376	0	%100
88	MP1B	Z	3.681	3.681	0	%100
89	MP1C	X	-6.376	-6.376	0	%100
90	MP1C	Z	3.681	3.681	0	%100
91	MP2A	X	-6.376	-6.376	0	%100
92	MP2A	Z	3.681	3.681	0	%100
93	MP2B	X	-6.376	-6.376	0	%100
94	MP2B	Z	3.681	3.681	0	%100
95	MP2C	X	-6.376	-6.376	0	%100
96	MP2C	Z	3.681	3.681	0	%100
97	MP3A	X	-6.376	-6.376	0	%100
98	MP3A	Z	3.681	3.681	0	%100
99	MP3B	X	-6.376	-6.376	0	%100
100	MP3B	Z	3.681	3.681	0	%100
101	MP3C	X	-6.376	-6.376	0	%100
102	MP3C	Z	3.681	3.681	0	%100
103	MP4A	X	-6.376	-6.376	0	%100
104	MP4A	Z	3.681	3.681	0	%100
105	MP4B	X	-6.376	-6.376	0	%100
106	MP4B	Z	3.681	3.681	0	%100
107	MP4C	X	-6.376	-6.376	0	%100
108	MP4C	Z	3.681	3.681	0	%100
109	OVPB	X	-4.618	-4.618	0	%100
110	OVPB	Z	2.666	2.666	0	%100
111	OVPC	X	-4.618	-4.618	0	%100
112	OVPC	Z	2.666	2.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-8.138	-8.138	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-8.138	-8.138	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	-2.765	-2.765	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	-2.765	-2.765	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-11.059	-11.059	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	-8.256	-8.256	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	0	0	0	%100
17	M21	X	-8.256	-8.256	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	-13.951	-13.951	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	-13.951	-13.951	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M23	Z	0	0	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M25	X	-13.951	-13.951	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-13.951	-13.951	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-13.951	-13.951	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-13.951	-13.951	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-18.601	-18.601	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-13.951	-13.951	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-4.65	-4.65	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-13.951	-13.951	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-4.65	-4.65	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M37	X	-4.65	-4.65	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	-4.65	-4.65	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-13.951	-13.951	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-18.601	-18.601	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-13.951	-13.951	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	-7.75	-7.75	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	-7.75	-7.75	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	-7.75	-7.75	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	0	0	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	0	0	0	%100
71	M48	X	-7.75	-7.75	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
74	M49	Z	0	0	0	%100
75	M50	X	-5.522	-5.522	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-5.522	-5.522	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	-17.058	-17.058	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	-17.058	-17.058	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	-7.363	-7.363	0	%100
86	MP1A	Z	0	0	0	%100
87	MP1B	X	-7.363	-7.363	0	%100
88	MP1B	Z	0	0	0	%100
89	MP1C	X	-7.363	-7.363	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2A	X	-7.363	-7.363	0	%100
92	MP2A	Z	0	0	0	%100
93	MP2B	X	-7.363	-7.363	0	%100
94	MP2B	Z	0	0	0	%100
95	MP2C	X	-7.363	-7.363	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3A	X	-7.363	-7.363	0	%100
98	MP3A	Z	0	0	0	%100
99	MP3B	X	-7.363	-7.363	0	%100
100	MP3B	Z	0	0	0	%100
101	MP3C	X	-7.363	-7.363	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4A	X	-7.363	-7.363	0	%100
104	MP4A	Z	0	0	0	%100
105	MP4B	X	-7.363	-7.363	0	%100
106	MP4B	Z	0	0	0	%100
107	MP4C	X	-7.363	-7.363	0	%100
108	MP4C	Z	0	0	0	%100
109	OVPB	X	-5.332	-5.332	0	%100
110	OVPB	Z	0	0	0	%100
111	OVPC	X	-5.332	-5.332	0	%100
112	OVPC	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.349	-2.349	0	%100
2	M1	Z	-1.356	-1.356	0	%100
3	M2	X	-9.397	-9.397	0	%100
4	M2	Z	-5.425	-5.425	0	%100
5	M3	X	-2.349	-2.349	0	%100
6	M3	Z	-1.356	-1.356	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	-7.183	-7.183	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M17	Z	-4.147	-4.147	0	%100
11	M18	X	-7.183	-7.183	0	%100
12	M18	Z	-4.147	-4.147	0	%100
13	M19	X	-2.383	-2.383	0	%100
14	M19	Z	-1.376	-1.376	0	%100
15	M20	X	-2.383	-2.383	0	%100
16	M20	Z	-1.376	-1.376	0	%100
17	M21	X	-9.534	-9.534	0	%100
18	M21	Z	-5.504	-5.504	0	%100
19	M22	X	-4.027	-4.027	0	%100
20	M22	Z	-2.325	-2.325	0	%100
21	M23	X	-16.109	-16.109	0	%100
22	M23	Z	-9.301	-9.301	0	%100
23	M24	X	-4.027	-4.027	0	%100
24	M24	Z	-2.325	-2.325	0	%100
25	M25	X	-16.109	-16.109	0	%100
26	M25	Z	-9.301	-9.301	0	%100
27	M26	X	-4.027	-4.027	0	%100
28	M26	Z	-2.325	-2.325	0	%100
29	M27	X	-4.027	-4.027	0	%100
30	M27	Z	-2.325	-2.325	0	%100
31	M28	X	-4.027	-4.027	0	%100
32	M28	Z	-2.325	-2.325	0	%100
33	M29	X	-4.027	-4.027	0	%100
34	M29	Z	-2.325	-2.325	0	%100
35	M30	X	-16.109	-16.109	0	%100
36	M30	Z	-9.301	-9.301	0	%100
37	M31	X	-12.082	-12.082	0	%100
38	M31	Z	-6.975	-6.975	0	%100
39	M32	X	-4.027	-4.027	0	%100
40	M32	Z	-2.325	-2.325	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-4.027	-4.027	0	%100
44	M34	Z	-2.325	-2.325	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-4.027	-4.027	0	%100
48	M36	Z	-2.325	-2.325	0	%100
49	M37	X	-12.082	-12.082	0	%100
50	M37	Z	-6.975	-6.975	0	%100
51	M38	X	-4.027	-4.027	0	%100
52	M38	Z	-2.325	-2.325	0	%100
53	M39	X	-12.082	-12.082	0	%100
54	M39	Z	-6.975	-6.975	0	%100
55	M40	X	-16.109	-16.109	0	%100
56	M40	Z	-9.301	-9.301	0	%100
57	M41	X	-12.082	-12.082	0	%100
58	M41	Z	-6.975	-6.975	0	%100
59	M42	X	-16.109	-16.109	0	%100
60	M42	Z	-9.301	-9.301	0	%100
61	M43	X	-8.949	-8.949	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M43	Z	-5.167	-5.167	0	%100
63	M44	X	-2.237	-2.237	0	%100
64	M44	Z	-1.292	-1.292	0	%100
65	M45	X	-2.237	-2.237	0	%100
66	M45	Z	-1.292	-1.292	0	%100
67	M46	X	-2.237	-2.237	0	%100
68	M46	Z	-1.292	-1.292	0	%100
69	M47	X	-2.237	-2.237	0	%100
70	M47	Z	-1.292	-1.292	0	%100
71	M48	X	-8.949	-8.949	0	%100
72	M48	Z	-5.167	-5.167	0	%100
73	M49	X	-1.594	-1.594	0	%100
74	M49	Z	-.92	-.92	0	%100
75	M50	X	-6.376	-6.376	0	%100
76	M50	Z	-3.681	-3.681	0	%100
77	M51	X	-1.594	-1.594	0	%100
78	M51	Z	-.92	-.92	0	%100
79	M96	X	-4.924	-4.924	0	%100
80	M96	Z	-2.843	-2.843	0	%100
81	M97	X	-4.924	-4.924	0	%100
82	M97	Z	-2.843	-2.843	0	%100
83	M98	X	-19.697	-19.697	0	%100
84	M98	Z	-11.372	-11.372	0	%100
85	MP1A	X	-6.376	-6.376	0	%100
86	MP1A	Z	-3.681	-3.681	0	%100
87	MP1B	X	-6.376	-6.376	0	%100
88	MP1B	Z	-3.681	-3.681	0	%100
89	MP1C	X	-6.376	-6.376	0	%100
90	MP1C	Z	-3.681	-3.681	0	%100
91	MP2A	X	-6.376	-6.376	0	%100
92	MP2A	Z	-3.681	-3.681	0	%100
93	MP2B	X	-6.376	-6.376	0	%100
94	MP2B	Z	-3.681	-3.681	0	%100
95	MP2C	X	-6.376	-6.376	0	%100
96	MP2C	Z	-3.681	-3.681	0	%100
97	MP3A	X	-6.376	-6.376	0	%100
98	MP3A	Z	-3.681	-3.681	0	%100
99	MP3B	X	-6.376	-6.376	0	%100
100	MP3B	Z	-3.681	-3.681	0	%100
101	MP3C	X	-6.376	-6.376	0	%100
102	MP3C	Z	-3.681	-3.681	0	%100
103	MP4A	X	-6.376	-6.376	0	%100
104	MP4A	Z	-3.681	-3.681	0	%100
105	MP4B	X	-6.376	-6.376	0	%100
106	MP4B	Z	-3.681	-3.681	0	%100
107	MP4C	X	-6.376	-6.376	0	%100
108	MP4C	Z	-3.681	-3.681	0	%100
109	OVPB	X	-4.618	-4.618	0	%100
110	OVPB	Z	-2.666	-2.666	0	%100
111	OVPC	X	-4.618	-4.618	0	%100
112	OVPC	Z	-2.666	-2.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.069	-4.069	0	%100
2	M1	Z	-7.048	-7.048	0	%100
3	M2	X	-4.069	-4.069	0	%100
4	M2	Z	-7.048	-7.048	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	-1.382	-1.382	0	%100
8	M16	Z	-2.394	-2.394	0	%100
9	M17	X	-5.529	-5.529	0	%100
10	M17	Z	-9.577	-9.577	0	%100
11	M18	X	-1.382	-1.382	0	%100
12	M18	Z	-2.394	-2.394	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	-4.128	-4.128	0	%100
16	M20	Z	-7.15	-7.15	0	%100
17	M21	X	-4.128	-4.128	0	%100
18	M21	Z	-7.15	-7.15	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	-6.975	-6.975	0	%100
22	M23	Z	-12.082	-12.082	0	%100
23	M24	X	-6.975	-6.975	0	%100
24	M24	Z	-12.082	-12.082	0	%100
25	M25	X	-6.975	-6.975	0	%100
26	M25	Z	-12.082	-12.082	0	%100
27	M26	X	-6.975	-6.975	0	%100
28	M26	Z	-12.082	-12.082	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-6.975	-6.975	0	%100
34	M29	Z	-12.082	-12.082	0	%100
35	M30	X	-6.975	-6.975	0	%100
36	M30	Z	-12.082	-12.082	0	%100
37	M31	X	-2.325	-2.325	0	%100
38	M31	Z	-4.027	-4.027	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-2.325	-2.325	0	%100
42	M33	Z	-4.027	-4.027	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-2.325	-2.325	0	%100
46	M35	Z	-4.027	-4.027	0	%100
47	M36	X	-6.975	-6.975	0	%100
48	M36	Z	-12.082	-12.082	0	%100
49	M37	X	-9.301	-9.301	0	%100
50	M37	Z	-16.109	-16.109	0	%100
51	M38	X	-6.975	-6.975	0	%100
52	M38	Z	-12.082	-12.082	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M39	X	-9.301	-9.301	0	%100
54	M39	Z	-16.109	-16.109	0	%100
55	M40	X	-6.975	-6.975	0	%100
56	M40	Z	-12.082	-12.082	0	%100
57	M41	X	-2.325	-2.325	0	%100
58	M41	Z	-4.027	-4.027	0	%100
59	M42	X	-6.975	-6.975	0	%100
60	M42	Z	-12.082	-12.082	0	%100
61	M43	X	-3.875	-3.875	0	%100
62	M43	Z	-6.712	-6.712	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	-3.875	-3.875	0	%100
68	M46	Z	-6.712	-6.712	0	%100
69	M47	X	-3.875	-3.875	0	%100
70	M47	Z	-6.712	-6.712	0	%100
71	M48	X	-3.875	-3.875	0	%100
72	M48	Z	-6.712	-6.712	0	%100
73	M49	X	-2.761	-2.761	0	%100
74	M49	Z	-4.782	-4.782	0	%100
75	M50	X	-2.761	-2.761	0	%100
76	M50	Z	-4.782	-4.782	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	-8.529	-8.529	0	%100
82	M97	Z	-14.773	-14.773	0	%100
83	M98	X	-8.529	-8.529	0	%100
84	M98	Z	-14.773	-14.773	0	%100
85	MP1A	X	-3.681	-3.681	0	%100
86	MP1A	Z	-6.376	-6.376	0	%100
87	MP1B	X	-3.681	-3.681	0	%100
88	MP1B	Z	-6.376	-6.376	0	%100
89	MP1C	X	-3.681	-3.681	0	%100
90	MP1C	Z	-6.376	-6.376	0	%100
91	MP2A	X	-3.681	-3.681	0	%100
92	MP2A	Z	-6.376	-6.376	0	%100
93	MP2B	X	-3.681	-3.681	0	%100
94	MP2B	Z	-6.376	-6.376	0	%100
95	MP2C	X	-3.681	-3.681	0	%100
96	MP2C	Z	-6.376	-6.376	0	%100
97	MP3A	X	-3.681	-3.681	0	%100
98	MP3A	Z	-6.376	-6.376	0	%100
99	MP3B	X	-3.681	-3.681	0	%100
100	MP3B	Z	-6.376	-6.376	0	%100
101	MP3C	X	-3.681	-3.681	0	%100
102	MP3C	Z	-6.376	-6.376	0	%100
103	MP4A	X	-3.681	-3.681	0	%100
104	MP4A	Z	-6.376	-6.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP4B	X	-3.681	-3.681	0	%100
106	MP4B	Z	-6.376	-6.376	0	%100
107	MP4C	X	-3.681	-3.681	0	%100
108	MP4C	Z	-6.376	-6.376	0	%100
109	OVPB	X	-2.666	-2.666	0	%100
110	OVPB	Z	-4.618	-4.618	0	%100
111	OVPC	X	-2.666	-2.666	0	%100
112	OVPC	Z	-4.618	-4.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.856	-3.856	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.964	-.964	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.964	-.964	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	-2.745	-2.745	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	-2.745	-2.745	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	-.91	-.91	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	-3.64	-3.64	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	-.91	-.91	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	-1.113	-1.113	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	-1.113	-1.113	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	-4.488	-4.488	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-1.113	-1.113	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-4.453	-4.453	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-1.122	-1.122	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.113	-1.113	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-4.453	-4.453	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-1.122	-1.122	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-1.113	-1.113	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M33	X	0	0	0	%100
42	M33	Z	-3.339	-3.339	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-1.113	-1.113	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-3.339	-3.339	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-4.453	-4.453	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	-3.339	-3.339	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-4.453	-4.453	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-3.339	-3.339	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-1.113	-1.113	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-1.113	-1.113	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	-.857	-.857	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	-.857	-.857	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	-.857	-.857	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	-3.428	-3.428	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	-3.428	-3.428	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	-.857	-.857	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	-3.23	-3.23	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-.807	-.807	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	-.807	-.807	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	-1.346	-1.346	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	-5.382	-5.382	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	-1.346	-1.346	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-3.212	-3.212	0	%100
87	MP1B	X	0	0	0	%100
88	MP1B	Z	-3.212	-3.212	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-3.212	-3.212	0	%100
91	MP2A	X	0	0	0	%100
92	MP2A	Z	-3.212	-3.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-3.212	-3.212	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-3.212	-3.212	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	-3.212	-3.212	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.212	-3.212	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-3.212	-3.212	0	%100
103	MP4A	X	0	0	0	%100
104	MP4A	Z	-3.212	-3.212	0	%100
105	MP4B	X	0	0	0	%100
106	MP4B	Z	-3.212	-3.212	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-3.212	-3.212	0	%100
109	OVPB	X	0	0	0	%100
110	OVPB	Z	-2.229	-2.229	0	%100
111	OVPC	X	0	0	0	%100
112	OVPC	Z	-2.229	-2.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.446	1.446	0	%100
2	M1	Z	-2.505	-2.505	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.446	1.446	0	%100
6	M3	Z	-2.505	-2.505	0	%100
7	M16	X	1.83	1.83	0	%100
8	M16	Z	-3.169	-3.169	0	%100
9	M17	X	.457	.457	0	%100
10	M17	Z	-.792	-.792	0	%100
11	M18	X	.457	.457	0	%100
12	M18	Z	-.792	-.792	0	%100
13	M19	X	1.365	1.365	0	%100
14	M19	Z	-2.364	-2.364	0	%100
15	M20	X	1.365	1.365	0	%100
16	M20	Z	-2.364	-2.364	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	1.67	1.67	0	%100
20	M22	Z	-2.892	-2.892	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	1.683	1.683	0	%100
24	M24	Z	-2.915	-2.915	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	1.67	1.67	0	%100
28	M26	Z	-2.892	-2.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M27	X	1.683	1.683	0	%100
30	M27	Z	-2.915	-2.915	0	%100
31	M28	X	1.67	1.67	0	%100
32	M28	Z	-2.892	-2.892	0	%100
33	M29	X	1.67	1.67	0	%100
34	M29	Z	-2.892	-2.892	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.557	.557	0	%100
38	M31	Z	-.964	-.964	0	%100
39	M32	X	1.67	1.67	0	%100
40	M32	Z	-2.892	-2.892	0	%100
41	M33	X	2.226	2.226	0	%100
42	M33	Z	-3.856	-3.856	0	%100
43	M34	X	1.67	1.67	0	%100
44	M34	Z	-2.892	-2.892	0	%100
45	M35	X	2.226	2.226	0	%100
46	M35	Z	-3.856	-3.856	0	%100
47	M36	X	1.67	1.67	0	%100
48	M36	Z	-2.892	-2.892	0	%100
49	M37	X	.557	.557	0	%100
50	M37	Z	-.964	-.964	0	%100
51	M38	X	1.67	1.67	0	%100
52	M38	Z	-2.892	-2.892	0	%100
53	M39	X	.557	.557	0	%100
54	M39	Z	-.964	-.964	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	.557	.557	0	%100
58	M41	Z	-.964	-.964	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	1.286	1.286	0	%100
64	M44	Z	-2.227	-2.227	0	%100
65	M45	X	1.286	1.286	0	%100
66	M45	Z	-2.227	-2.227	0	%100
67	M46	X	1.286	1.286	0	%100
68	M46	Z	-2.227	-2.227	0	%100
69	M47	X	1.286	1.286	0	%100
70	M47	Z	-2.227	-2.227	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	1.211	1.211	0	%100
74	M49	Z	-2.098	-2.098	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	1.211	1.211	0	%100
78	M51	Z	-2.098	-2.098	0	%100
79	M96	X	2.018	2.018	0	%100
80	M96	Z	-3.496	-3.496	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M97	X	2.018	2.018	0	%100
82	M97	Z	-3.496	-3.496	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	1.606	1.606	0	%100
86	MP1A	Z	-2.782	-2.782	0	%100
87	MP1B	X	1.606	1.606	0	%100
88	MP1B	Z	-2.782	-2.782	0	%100
89	MP1C	X	1.606	1.606	0	%100
90	MP1C	Z	-2.782	-2.782	0	%100
91	MP2A	X	1.606	1.606	0	%100
92	MP2A	Z	-2.782	-2.782	0	%100
93	MP2B	X	1.606	1.606	0	%100
94	MP2B	Z	-2.782	-2.782	0	%100
95	MP2C	X	1.606	1.606	0	%100
96	MP2C	Z	-2.782	-2.782	0	%100
97	MP3A	X	1.606	1.606	0	%100
98	MP3A	Z	-2.782	-2.782	0	%100
99	MP3B	X	1.606	1.606	0	%100
100	MP3B	Z	-2.782	-2.782	0	%100
101	MP3C	X	1.606	1.606	0	%100
102	MP3C	Z	-2.782	-2.782	0	%100
103	MP4A	X	1.606	1.606	0	%100
104	MP4A	Z	-2.782	-2.782	0	%100
105	MP4B	X	1.606	1.606	0	%100
106	MP4B	Z	-2.782	-2.782	0	%100
107	MP4C	X	1.606	1.606	0	%100
108	MP4C	Z	-2.782	-2.782	0	%100
109	OVPB	X	1.115	1.115	0	%100
110	OVPB	Z	-1.931	-1.931	0	%100
111	OVPC	X	1.115	1.115	0	%100
112	OVPC	Z	-1.931	-1.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.835	.835	0	%100
2	M1	Z	-.482	-.482	0	%100
3	M2	X	.835	.835	0	%100
4	M2	Z	-.482	-.482	0	%100
5	M3	X	3.339	3.339	0	%100
6	M3	Z	-1.928	-1.928	0	%100
7	M16	X	2.377	2.377	0	%100
8	M16	Z	-1.372	-1.372	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	2.377	2.377	0	%100
12	M18	Z	-1.372	-1.372	0	%100
13	M19	X	3.152	3.152	0	%100
14	M19	Z	-1.82	-1.82	0	%100
15	M20	X	.788	.788	0	%100
16	M20	Z	-.455	-.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M21	X	.788	.788	0	%100
18	M21	Z	-.455	-.455	0	%100
19	M22	X	3.856	3.856	0	%100
20	M22	Z	-2.226	-2.226	0	%100
21	M23	X	.964	.964	0	%100
22	M23	Z	-.557	-.557	0	%100
23	M24	X	.972	.972	0	%100
24	M24	Z	-.561	-.561	0	%100
25	M25	X	.964	.964	0	%100
26	M25	Z	-.557	-.557	0	%100
27	M26	X	.964	.964	0	%100
28	M26	Z	-.557	-.557	0	%100
29	M27	X	3.887	3.887	0	%100
30	M27	Z	-2.244	-2.244	0	%100
31	M28	X	3.856	3.856	0	%100
32	M28	Z	-2.226	-2.226	0	%100
33	M29	X	.964	.964	0	%100
34	M29	Z	-.557	-.557	0	%100
35	M30	X	.972	.972	0	%100
36	M30	Z	-.561	-.561	0	%100
37	M31	X	2.892	2.892	0	%100
38	M31	Z	-1.67	-1.67	0	%100
39	M32	X	3.856	3.856	0	%100
40	M32	Z	-2.226	-2.226	0	%100
41	M33	X	2.892	2.892	0	%100
42	M33	Z	-1.67	-1.67	0	%100
43	M34	X	3.856	3.856	0	%100
44	M34	Z	-2.226	-2.226	0	%100
45	M35	X	2.892	2.892	0	%100
46	M35	Z	-1.67	-1.67	0	%100
47	M36	X	.964	.964	0	%100
48	M36	Z	-.557	-.557	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	.964	.964	0	%100
52	M38	Z	-.557	-.557	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	.964	.964	0	%100
56	M40	Z	-.557	-.557	0	%100
57	M41	X	2.892	2.892	0	%100
58	M41	Z	-1.67	-1.67	0	%100
59	M42	X	.964	.964	0	%100
60	M42	Z	-.557	-.557	0	%100
61	M43	X	.742	.742	0	%100
62	M43	Z	-.429	-.429	0	%100
63	M44	X	2.969	2.969	0	%100
64	M44	Z	-1.714	-1.714	0	%100
65	M45	X	2.969	2.969	0	%100
66	M45	Z	-1.714	-1.714	0	%100
67	M46	X	.742	.742	0	%100
68	M46	Z	-.429	-.429	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M47	X	.742	.742	0	%100
70	M47	Z	-.429	-.429	0	%100
71	M48	X	.742	.742	0	%100
72	M48	Z	-.429	-.429	0	%100
73	M49	X	.699	.699	0	%100
74	M49	Z	-.404	-.404	0	%100
75	M50	X	.699	.699	0	%100
76	M50	Z	-.404	-.404	0	%100
77	M51	X	2.797	2.797	0	%100
78	M51	Z	-1.615	-1.615	0	%100
79	M96	X	4.661	4.661	0	%100
80	M96	Z	-2.691	-2.691	0	%100
81	M97	X	1.165	1.165	0	%100
82	M97	Z	-.673	-.673	0	%100
83	M98	X	1.165	1.165	0	%100
84	M98	Z	-.673	-.673	0	%100
85	MP1A	X	2.782	2.782	0	%100
86	MP1A	Z	-1.606	-1.606	0	%100
87	MP1B	X	2.782	2.782	0	%100
88	MP1B	Z	-1.606	-1.606	0	%100
89	MP1C	X	2.782	2.782	0	%100
90	MP1C	Z	-1.606	-1.606	0	%100
91	MP2A	X	2.782	2.782	0	%100
92	MP2A	Z	-1.606	-1.606	0	%100
93	MP2B	X	2.782	2.782	0	%100
94	MP2B	Z	-1.606	-1.606	0	%100
95	MP2C	X	2.782	2.782	0	%100
96	MP2C	Z	-1.606	-1.606	0	%100
97	MP3A	X	2.782	2.782	0	%100
98	MP3A	Z	-1.606	-1.606	0	%100
99	MP3B	X	2.782	2.782	0	%100
100	MP3B	Z	-1.606	-1.606	0	%100
101	MP3C	X	2.782	2.782	0	%100
102	MP3C	Z	-1.606	-1.606	0	%100
103	MP4A	X	2.782	2.782	0	%100
104	MP4A	Z	-1.606	-1.606	0	%100
105	MP4B	X	2.782	2.782	0	%100
106	MP4B	Z	-1.606	-1.606	0	%100
107	MP4C	X	2.782	2.782	0	%100
108	MP4C	Z	-1.606	-1.606	0	%100
109	OVPB	X	1.931	1.931	0	%100
110	OVPB	Z	-1.115	-1.115	0	%100
111	OVPC	X	1.931	1.931	0	%100
112	OVPC	Z	-1.115	-1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.892	2.892	0	%100
4	M2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M3	X	2.892	2.892	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	.915	.915	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	.915	.915	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	3.659	3.659	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	2.73	2.73	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	0	0	0	%100
17	M21	X	2.73	2.73	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	3.339	3.339	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	3.339	3.339	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M25	X	3.339	3.339	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	3.366	3.366	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	3.339	3.339	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	3.366	3.366	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	4.453	4.453	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	3.339	3.339	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	1.113	1.113	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	3.339	3.339	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	1.113	1.113	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M37	X	1.113	1.113	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	1.113	1.113	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	3.339	3.339	0	%100
56	M40	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	M41	X	4.453	4.453	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	3.339	3.339	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	2.571	2.571	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	2.571	2.571	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	2.571	2.571	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	0	0	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	0	0	0	%100
71	M48	X	2.571	2.571	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	2.422	2.422	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	2.422	2.422	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	4.037	4.037	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	4.037	4.037	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	3.212	3.212	0	%100
86	MP1A	Z	0	0	0	%100
87	MP1B	X	3.212	3.212	0	%100
88	MP1B	Z	0	0	0	%100
89	MP1C	X	3.212	3.212	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2A	X	3.212	3.212	0	%100
92	MP2A	Z	0	0	0	%100
93	MP2B	X	3.212	3.212	0	%100
94	MP2B	Z	0	0	0	%100
95	MP2C	X	3.212	3.212	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3A	X	3.212	3.212	0	%100
98	MP3A	Z	0	0	0	%100
99	MP3B	X	3.212	3.212	0	%100
100	MP3B	Z	0	0	0	%100
101	MP3C	X	3.212	3.212	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4A	X	3.212	3.212	0	%100
104	MP4A	Z	0	0	0	%100
105	MP4B	X	3.212	3.212	0	%100
106	MP4B	Z	0	0	0	%100
107	MP4C	X	3.212	3.212	0	%100
108	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	OVPB	X	2.229	2.229	0	%100
110	OVPB	Z	0	0	0	%100
111	OVPC	X	2.229	2.229	0	%100
112	OVPC	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.835	.835	0	%100
2	M1	Z	.482	.482	0	%100
3	M2	X	3.339	3.339	0	%100
4	M2	Z	1.928	1.928	0	%100
5	M3	X	.835	.835	0	%100
6	M3	Z	.482	.482	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	2.377	2.377	0	%100
10	M17	Z	1.372	1.372	0	%100
11	M18	X	2.377	2.377	0	%100
12	M18	Z	1.372	1.372	0	%100
13	M19	X	.788	.788	0	%100
14	M19	Z	.455	.455	0	%100
15	M20	X	.788	.788	0	%100
16	M20	Z	.455	.455	0	%100
17	M21	X	3.152	3.152	0	%100
18	M21	Z	1.82	1.82	0	%100
19	M22	X	.964	.964	0	%100
20	M22	Z	.557	.557	0	%100
21	M23	X	3.856	3.856	0	%100
22	M23	Z	2.226	2.226	0	%100
23	M24	X	.972	.972	0	%100
24	M24	Z	.561	.561	0	%100
25	M25	X	3.856	3.856	0	%100
26	M25	Z	2.226	2.226	0	%100
27	M26	X	.964	.964	0	%100
28	M26	Z	.557	.557	0	%100
29	M27	X	.972	.972	0	%100
30	M27	Z	.561	.561	0	%100
31	M28	X	.964	.964	0	%100
32	M28	Z	.557	.557	0	%100
33	M29	X	.964	.964	0	%100
34	M29	Z	.557	.557	0	%100
35	M30	X	3.887	3.887	0	%100
36	M30	Z	2.244	2.244	0	%100
37	M31	X	2.892	2.892	0	%100
38	M31	Z	1.67	1.67	0	%100
39	M32	X	.964	.964	0	%100
40	M32	Z	.557	.557	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.964	.964	0	%100
44	M34	Z	.557	.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	.964	.964	0	%100
48	M36	Z	.557	.557	0	%100
49	M37	X	2.892	2.892	0	%100
50	M37	Z	1.67	1.67	0	%100
51	M38	X	.964	.964	0	%100
52	M38	Z	.557	.557	0	%100
53	M39	X	2.892	2.892	0	%100
54	M39	Z	1.67	1.67	0	%100
55	M40	X	3.856	3.856	0	%100
56	M40	Z	2.226	2.226	0	%100
57	M41	X	2.892	2.892	0	%100
58	M41	Z	1.67	1.67	0	%100
59	M42	X	3.856	3.856	0	%100
60	M42	Z	2.226	2.226	0	%100
61	M43	X	2.969	2.969	0	%100
62	M43	Z	1.714	1.714	0	%100
63	M44	X	.742	.742	0	%100
64	M44	Z	.429	.429	0	%100
65	M45	X	.742	.742	0	%100
66	M45	Z	.429	.429	0	%100
67	M46	X	.742	.742	0	%100
68	M46	Z	.429	.429	0	%100
69	M47	X	.742	.742	0	%100
70	M47	Z	.429	.429	0	%100
71	M48	X	2.969	2.969	0	%100
72	M48	Z	1.714	1.714	0	%100
73	M49	X	.699	.699	0	%100
74	M49	Z	.404	.404	0	%100
75	M50	X	2.797	2.797	0	%100
76	M50	Z	1.615	1.615	0	%100
77	M51	X	.699	.699	0	%100
78	M51	Z	.404	.404	0	%100
79	M96	X	1.165	1.165	0	%100
80	M96	Z	.673	.673	0	%100
81	M97	X	1.165	1.165	0	%100
82	M97	Z	.673	.673	0	%100
83	M98	X	4.661	4.661	0	%100
84	M98	Z	2.691	2.691	0	%100
85	MP1A	X	2.782	2.782	0	%100
86	MP1A	Z	1.606	1.606	0	%100
87	MP1B	X	2.782	2.782	0	%100
88	MP1B	Z	1.606	1.606	0	%100
89	MP1C	X	2.782	2.782	0	%100
90	MP1C	Z	1.606	1.606	0	%100
91	MP2A	X	2.782	2.782	0	%100
92	MP2A	Z	1.606	1.606	0	%100
93	MP2B	X	2.782	2.782	0	%100
94	MP2B	Z	1.606	1.606	0	%100
95	MP2C	X	2.782	2.782	0	%100
96	MP2C	Z	1.606	1.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP3A	X	2.782	2.782	0	%100
98	MP3A	Z	1.606	1.606	0	%100
99	MP3B	X	2.782	2.782	0	%100
100	MP3B	Z	1.606	1.606	0	%100
101	MP3C	X	2.782	2.782	0	%100
102	MP3C	Z	1.606	1.606	0	%100
103	MP4A	X	2.782	2.782	0	%100
104	MP4A	Z	1.606	1.606	0	%100
105	MP4B	X	2.782	2.782	0	%100
106	MP4B	Z	1.606	1.606	0	%100
107	MP4C	X	2.782	2.782	0	%100
108	MP4C	Z	1.606	1.606	0	%100
109	OVPB	X	1.931	1.931	0	%100
110	OVPB	Z	1.115	1.115	0	%100
111	OVPC	X	1.931	1.931	0	%100
112	OVPC	Z	1.115	1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.446	1.446	0	%100
2	M1	Z	2.505	2.505	0	%100
3	M2	X	1.446	1.446	0	%100
4	M2	Z	2.505	2.505	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	.457	.457	0	%100
8	M16	Z	.792	.792	0	%100
9	M17	X	1.83	1.83	0	%100
10	M17	Z	3.169	3.169	0	%100
11	M18	X	.457	.457	0	%100
12	M18	Z	.792	.792	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	1.365	1.365	0	%100
16	M20	Z	2.364	2.364	0	%100
17	M21	X	1.365	1.365	0	%100
18	M21	Z	2.364	2.364	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	1.67	1.67	0	%100
22	M23	Z	2.892	2.892	0	%100
23	M24	X	1.683	1.683	0	%100
24	M24	Z	2.915	2.915	0	%100
25	M25	X	1.67	1.67	0	%100
26	M25	Z	2.892	2.892	0	%100
27	M26	X	1.67	1.67	0	%100
28	M26	Z	2.892	2.892	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M29	X	1.67	1.67	0	%100
34	M29	Z	2.892	2.892	0	%100
35	M30	X	1.683	1.683	0	%100
36	M30	Z	2.915	2.915	0	%100
37	M31	X	.557	.557	0	%100
38	M31	Z	.964	.964	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	.557	.557	0	%100
42	M33	Z	.964	.964	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.557	.557	0	%100
46	M35	Z	.964	.964	0	%100
47	M36	X	1.67	1.67	0	%100
48	M36	Z	2.892	2.892	0	%100
49	M37	X	2.226	2.226	0	%100
50	M37	Z	3.856	3.856	0	%100
51	M38	X	1.67	1.67	0	%100
52	M38	Z	2.892	2.892	0	%100
53	M39	X	2.226	2.226	0	%100
54	M39	Z	3.856	3.856	0	%100
55	M40	X	1.67	1.67	0	%100
56	M40	Z	2.892	2.892	0	%100
57	M41	X	.557	.557	0	%100
58	M41	Z	.964	.964	0	%100
59	M42	X	1.67	1.67	0	%100
60	M42	Z	2.892	2.892	0	%100
61	M43	X	1.286	1.286	0	%100
62	M43	Z	2.227	2.227	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	1.286	1.286	0	%100
68	M46	Z	2.227	2.227	0	%100
69	M47	X	1.286	1.286	0	%100
70	M47	Z	2.227	2.227	0	%100
71	M48	X	1.286	1.286	0	%100
72	M48	Z	2.227	2.227	0	%100
73	M49	X	1.211	1.211	0	%100
74	M49	Z	2.098	2.098	0	%100
75	M50	X	1.211	1.211	0	%100
76	M50	Z	2.098	2.098	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	2.018	2.018	0	%100
82	M97	Z	3.496	3.496	0	%100
83	M98	X	2.018	2.018	0	%100
84	M98	Z	3.496	3.496	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP1A	X	1.606	1.606	0	%100
86	MP1A	Z	2.782	2.782	0	%100
87	MP1B	X	1.606	1.606	0	%100
88	MP1B	Z	2.782	2.782	0	%100
89	MP1C	X	1.606	1.606	0	%100
90	MP1C	Z	2.782	2.782	0	%100
91	MP2A	X	1.606	1.606	0	%100
92	MP2A	Z	2.782	2.782	0	%100
93	MP2B	X	1.606	1.606	0	%100
94	MP2B	Z	2.782	2.782	0	%100
95	MP2C	X	1.606	1.606	0	%100
96	MP2C	Z	2.782	2.782	0	%100
97	MP3A	X	1.606	1.606	0	%100
98	MP3A	Z	2.782	2.782	0	%100
99	MP3B	X	1.606	1.606	0	%100
100	MP3B	Z	2.782	2.782	0	%100
101	MP3C	X	1.606	1.606	0	%100
102	MP3C	Z	2.782	2.782	0	%100
103	MP4A	X	1.606	1.606	0	%100
104	MP4A	Z	2.782	2.782	0	%100
105	MP4B	X	1.606	1.606	0	%100
106	MP4B	Z	2.782	2.782	0	%100
107	MP4C	X	1.606	1.606	0	%100
108	MP4C	Z	2.782	2.782	0	%100
109	OVPB	X	1.115	1.115	0	%100
110	OVPB	Z	1.931	1.931	0	%100
111	OVPC	X	1.115	1.115	0	%100
112	OVPC	Z	1.931	1.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.856	3.856	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.964	.964	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.964	.964	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	2.745	2.745	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	2.745	2.745	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	.91	.91	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	3.64	3.64	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	.91	.91	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	1.113	1.113	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M23	X	0	0	0	%100
22	M23	Z	1.113	1.113	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	4.488	4.488	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	1.113	1.113	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	4.453	4.453	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	1.122	1.122	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.113	1.113	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	4.453	4.453	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	1.122	1.122	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	1.113	1.113	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	3.339	3.339	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	1.113	1.113	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	3.339	3.339	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	4.453	4.453	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	3.339	3.339	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	4.453	4.453	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	3.339	3.339	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	1.113	1.113	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	1.113	1.113	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	.857	.857	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	.857	.857	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	.857	.857	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	3.428	3.428	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	3.428	3.428	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	.857	.857	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M49	X	0	0	0	%100
74	M49	Z	3.23	3.23	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	.807	.807	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	.807	.807	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	1.346	1.346	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	5.382	5.382	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	1.346	1.346	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	3.212	3.212	0	%100
87	MP1B	X	0	0	0	%100
88	MP1B	Z	3.212	3.212	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	3.212	3.212	0	%100
91	MP2A	X	0	0	0	%100
92	MP2A	Z	3.212	3.212	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	3.212	3.212	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	3.212	3.212	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	3.212	3.212	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	3.212	3.212	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	3.212	3.212	0	%100
103	MP4A	X	0	0	0	%100
104	MP4A	Z	3.212	3.212	0	%100
105	MP4B	X	0	0	0	%100
106	MP4B	Z	3.212	3.212	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	3.212	3.212	0	%100
109	OVPB	X	0	0	0	%100
110	OVPB	Z	2.229	2.229	0	%100
111	OVPC	X	0	0	0	%100
112	OVPC	Z	2.229	2.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.446	-1.446	0	%100
2	M1	Z	2.505	2.505	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.446	-1.446	0	%100
6	M3	Z	2.505	2.505	0	%100
7	M16	X	-1.83	-1.83	0	%100
8	M16	Z	3.169	3.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M17	X	-.457	-.457	0	%100
10	M17	Z	.792	.792	0	%100
11	M18	X	-.457	-.457	0	%100
12	M18	Z	.792	.792	0	%100
13	M19	X	-1.365	-1.365	0	%100
14	M19	Z	2.364	2.364	0	%100
15	M20	X	-1.365	-1.365	0	%100
16	M20	Z	2.364	2.364	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	-1.67	-1.67	0	%100
20	M22	Z	2.892	2.892	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	-1.683	-1.683	0	%100
24	M24	Z	2.915	2.915	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-1.67	-1.67	0	%100
28	M26	Z	2.892	2.892	0	%100
29	M27	X	-1.683	-1.683	0	%100
30	M27	Z	2.915	2.915	0	%100
31	M28	X	-1.67	-1.67	0	%100
32	M28	Z	2.892	2.892	0	%100
33	M29	X	-1.67	-1.67	0	%100
34	M29	Z	2.892	2.892	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-.557	-.557	0	%100
38	M31	Z	.964	.964	0	%100
39	M32	X	-1.67	-1.67	0	%100
40	M32	Z	2.892	2.892	0	%100
41	M33	X	-2.226	-2.226	0	%100
42	M33	Z	3.856	3.856	0	%100
43	M34	X	-1.67	-1.67	0	%100
44	M34	Z	2.892	2.892	0	%100
45	M35	X	-2.226	-2.226	0	%100
46	M35	Z	3.856	3.856	0	%100
47	M36	X	-1.67	-1.67	0	%100
48	M36	Z	2.892	2.892	0	%100
49	M37	X	-.557	-.557	0	%100
50	M37	Z	.964	.964	0	%100
51	M38	X	-1.67	-1.67	0	%100
52	M38	Z	2.892	2.892	0	%100
53	M39	X	-.557	-.557	0	%100
54	M39	Z	.964	.964	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-.557	-.557	0	%100
58	M41	Z	.964	.964	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M43	X	0	0	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	-1.286	-1.286	0	%100
64	M44	Z	2.227	2.227	0	%100
65	M45	X	-1.286	-1.286	0	%100
66	M45	Z	2.227	2.227	0	%100
67	M46	X	-1.286	-1.286	0	%100
68	M46	Z	2.227	2.227	0	%100
69	M47	X	-1.286	-1.286	0	%100
70	M47	Z	2.227	2.227	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	-1.211	-1.211	0	%100
74	M49	Z	2.098	2.098	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-1.211	-1.211	0	%100
78	M51	Z	2.098	2.098	0	%100
79	M96	X	-2.018	-2.018	0	%100
80	M96	Z	3.496	3.496	0	%100
81	M97	X	-2.018	-2.018	0	%100
82	M97	Z	3.496	3.496	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	-1.606	-1.606	0	%100
86	MP1A	Z	2.782	2.782	0	%100
87	MP1B	X	-1.606	-1.606	0	%100
88	MP1B	Z	2.782	2.782	0	%100
89	MP1C	X	-1.606	-1.606	0	%100
90	MP1C	Z	2.782	2.782	0	%100
91	MP2A	X	-1.606	-1.606	0	%100
92	MP2A	Z	2.782	2.782	0	%100
93	MP2B	X	-1.606	-1.606	0	%100
94	MP2B	Z	2.782	2.782	0	%100
95	MP2C	X	-1.606	-1.606	0	%100
96	MP2C	Z	2.782	2.782	0	%100
97	MP3A	X	-1.606	-1.606	0	%100
98	MP3A	Z	2.782	2.782	0	%100
99	MP3B	X	-1.606	-1.606	0	%100
100	MP3B	Z	2.782	2.782	0	%100
101	MP3C	X	-1.606	-1.606	0	%100
102	MP3C	Z	2.782	2.782	0	%100
103	MP4A	X	-1.606	-1.606	0	%100
104	MP4A	Z	2.782	2.782	0	%100
105	MP4B	X	-1.606	-1.606	0	%100
106	MP4B	Z	2.782	2.782	0	%100
107	MP4C	X	-1.606	-1.606	0	%100
108	MP4C	Z	2.782	2.782	0	%100
109	OVPB	X	-1.115	-1.115	0	%100
110	OVPB	Z	1.931	1.931	0	%100
111	OVPC	X	-1.115	-1.115	0	%100
112	OVPC	Z	1.931	1.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.835	-.835	0	%100
2	M1	Z	.482	.482	0	%100
3	M2	X	-.835	-.835	0	%100
4	M2	Z	.482	.482	0	%100
5	M3	X	-3.339	-3.339	0	%100
6	M3	Z	1.928	1.928	0	%100
7	M16	X	-2.377	-2.377	0	%100
8	M16	Z	1.372	1.372	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-2.377	-2.377	0	%100
12	M18	Z	1.372	1.372	0	%100
13	M19	X	-3.152	-3.152	0	%100
14	M19	Z	1.82	1.82	0	%100
15	M20	X	-.788	-.788	0	%100
16	M20	Z	.455	.455	0	%100
17	M21	X	-.788	-.788	0	%100
18	M21	Z	.455	.455	0	%100
19	M22	X	-3.856	-3.856	0	%100
20	M22	Z	2.226	2.226	0	%100
21	M23	X	-.964	-.964	0	%100
22	M23	Z	.557	.557	0	%100
23	M24	X	-.972	-.972	0	%100
24	M24	Z	.561	.561	0	%100
25	M25	X	-.964	-.964	0	%100
26	M25	Z	.557	.557	0	%100
27	M26	X	-.964	-.964	0	%100
28	M26	Z	.557	.557	0	%100
29	M27	X	-3.887	-3.887	0	%100
30	M27	Z	2.244	2.244	0	%100
31	M28	X	-3.856	-3.856	0	%100
32	M28	Z	2.226	2.226	0	%100
33	M29	X	-.964	-.964	0	%100
34	M29	Z	.557	.557	0	%100
35	M30	X	-.972	-.972	0	%100
36	M30	Z	.561	.561	0	%100
37	M31	X	-2.892	-2.892	0	%100
38	M31	Z	1.67	1.67	0	%100
39	M32	X	-3.856	-3.856	0	%100
40	M32	Z	2.226	2.226	0	%100
41	M33	X	-2.892	-2.892	0	%100
42	M33	Z	1.67	1.67	0	%100
43	M34	X	-3.856	-3.856	0	%100
44	M34	Z	2.226	2.226	0	%100
45	M35	X	-2.892	-2.892	0	%100
46	M35	Z	1.67	1.67	0	%100
47	M36	X	-.964	-.964	0	%100
48	M36	Z	.557	.557	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	-.964	-.964	0	%100
52	M38	Z	.557	.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-.964	-.964	0	%100
56	M40	Z	.557	.557	0	%100
57	M41	X	-2.892	-2.892	0	%100
58	M41	Z	1.67	1.67	0	%100
59	M42	X	-.964	-.964	0	%100
60	M42	Z	.557	.557	0	%100
61	M43	X	-.742	-.742	0	%100
62	M43	Z	.429	.429	0	%100
63	M44	X	-2.969	-2.969	0	%100
64	M44	Z	1.714	1.714	0	%100
65	M45	X	-2.969	-2.969	0	%100
66	M45	Z	1.714	1.714	0	%100
67	M46	X	-.742	-.742	0	%100
68	M46	Z	.429	.429	0	%100
69	M47	X	-.742	-.742	0	%100
70	M47	Z	.429	.429	0	%100
71	M48	X	-.742	-.742	0	%100
72	M48	Z	.429	.429	0	%100
73	M49	X	-.699	-.699	0	%100
74	M49	Z	.404	.404	0	%100
75	M50	X	-.699	-.699	0	%100
76	M50	Z	.404	.404	0	%100
77	M51	X	-2.797	-2.797	0	%100
78	M51	Z	1.615	1.615	0	%100
79	M96	X	-4.661	-4.661	0	%100
80	M96	Z	2.691	2.691	0	%100
81	M97	X	-1.165	-1.165	0	%100
82	M97	Z	.673	.673	0	%100
83	M98	X	-1.165	-1.165	0	%100
84	M98	Z	.673	.673	0	%100
85	MP1A	X	-2.782	-2.782	0	%100
86	MP1A	Z	1.606	1.606	0	%100
87	MP1B	X	-2.782	-2.782	0	%100
88	MP1B	Z	1.606	1.606	0	%100
89	MP1C	X	-2.782	-2.782	0	%100
90	MP1C	Z	1.606	1.606	0	%100
91	MP2A	X	-2.782	-2.782	0	%100
92	MP2A	Z	1.606	1.606	0	%100
93	MP2B	X	-2.782	-2.782	0	%100
94	MP2B	Z	1.606	1.606	0	%100
95	MP2C	X	-2.782	-2.782	0	%100
96	MP2C	Z	1.606	1.606	0	%100
97	MP3A	X	-2.782	-2.782	0	%100
98	MP3A	Z	1.606	1.606	0	%100
99	MP3B	X	-2.782	-2.782	0	%100
100	MP3B	Z	1.606	1.606	0	%100
101	MP3C	X	-2.782	-2.782	0	%100
102	MP3C	Z	1.606	1.606	0	%100
103	MP4A	X	-2.782	-2.782	0	%100
104	MP4A	Z	1.606	1.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP4B	X	-2.782	-2.782	0	%100
106	MP4B	Z	1.606	1.606	0	%100
107	MP4C	X	-2.782	-2.782	0	%100
108	MP4C	Z	1.606	1.606	0	%100
109	OVPB	X	-1.931	-1.931	0	%100
110	OVPB	Z	1.115	1.115	0	%100
111	OVPC	X	-1.931	-1.931	0	%100
112	OVPC	Z	1.115	1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.892	-2.892	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.892	-2.892	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	-.915	-.915	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	-.915	-.915	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-3.659	-3.659	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	-2.73	-2.73	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	0	0	0	%100
17	M21	X	-2.73	-2.73	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	-3.339	-3.339	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	-3.339	-3.339	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M25	X	-3.339	-3.339	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-3.366	-3.366	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-3.339	-3.339	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-3.366	-3.366	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-4.453	-4.453	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-3.339	-3.339	0	%100
40	M32	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M33	X	-1.113	-1.113	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-3.339	-3.339	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-1.113	-1.113	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M37	X	-1.113	-1.113	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	-1.113	-1.113	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-3.339	-3.339	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-4.453	-4.453	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-3.339	-3.339	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	-2.571	-2.571	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	-2.571	-2.571	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	-2.571	-2.571	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	0	0	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	0	0	0	%100
71	M48	X	-2.571	-2.571	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	-2.422	-2.422	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-2.422	-2.422	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	-4.037	-4.037	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	-4.037	-4.037	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	-3.212	-3.212	0	%100
86	MP1A	Z	0	0	0	%100
87	MP1B	X	-3.212	-3.212	0	%100
88	MP1B	Z	0	0	0	%100
89	MP1C	X	-3.212	-3.212	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2A	X	-3.212	-3.212	0	%100
92	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP2B	X	-3.212	-3.212	0	%100
94	MP2B	Z	0	0	0	%100
95	MP2C	X	-3.212	-3.212	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3A	X	-3.212	-3.212	0	%100
98	MP3A	Z	0	0	0	%100
99	MP3B	X	-3.212	-3.212	0	%100
100	MP3B	Z	0	0	0	%100
101	MP3C	X	-3.212	-3.212	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4A	X	-3.212	-3.212	0	%100
104	MP4A	Z	0	0	0	%100
105	MP4B	X	-3.212	-3.212	0	%100
106	MP4B	Z	0	0	0	%100
107	MP4C	X	-3.212	-3.212	0	%100
108	MP4C	Z	0	0	0	%100
109	OVPB	X	-2.229	-2.229	0	%100
110	OVPB	Z	0	0	0	%100
111	OVPC	X	-2.229	-2.229	0	%100
112	OVPC	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.835	-.835	0	%100
2	M1	Z	-.482	-.482	0	%100
3	M2	X	-3.339	-3.339	0	%100
4	M2	Z	-1.928	-1.928	0	%100
5	M3	X	-.835	-.835	0	%100
6	M3	Z	-.482	-.482	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	-2.377	-2.377	0	%100
10	M17	Z	-1.372	-1.372	0	%100
11	M18	X	-2.377	-2.377	0	%100
12	M18	Z	-1.372	-1.372	0	%100
13	M19	X	-.788	-.788	0	%100
14	M19	Z	-.455	-.455	0	%100
15	M20	X	-.788	-.788	0	%100
16	M20	Z	-.455	-.455	0	%100
17	M21	X	-3.152	-3.152	0	%100
18	M21	Z	-1.82	-1.82	0	%100
19	M22	X	-.964	-.964	0	%100
20	M22	Z	-.557	-.557	0	%100
21	M23	X	-3.856	-3.856	0	%100
22	M23	Z	-2.226	-2.226	0	%100
23	M24	X	-.972	-.972	0	%100
24	M24	Z	-.561	-.561	0	%100
25	M25	X	-3.856	-3.856	0	%100
26	M25	Z	-2.226	-2.226	0	%100
27	M26	X	-.964	-.964	0	%100
28	M26	Z	-.557	-.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M27	X	-.972	-.972	0	%100
30	M27	Z	-.561	-.561	0	%100
31	M28	X	-.964	-.964	0	%100
32	M28	Z	-.557	-.557	0	%100
33	M29	X	-.964	-.964	0	%100
34	M29	Z	-.557	-.557	0	%100
35	M30	X	-3.887	-3.887	0	%100
36	M30	Z	-2.244	-2.244	0	%100
37	M31	X	-2.892	-2.892	0	%100
38	M31	Z	-1.67	-1.67	0	%100
39	M32	X	-.964	-.964	0	%100
40	M32	Z	-.557	-.557	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.964	-.964	0	%100
44	M34	Z	-.557	-.557	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-.964	-.964	0	%100
48	M36	Z	-.557	-.557	0	%100
49	M37	X	-2.892	-2.892	0	%100
50	M37	Z	-1.67	-1.67	0	%100
51	M38	X	-.964	-.964	0	%100
52	M38	Z	-.557	-.557	0	%100
53	M39	X	-2.892	-2.892	0	%100
54	M39	Z	-1.67	-1.67	0	%100
55	M40	X	-3.856	-3.856	0	%100
56	M40	Z	-2.226	-2.226	0	%100
57	M41	X	-2.892	-2.892	0	%100
58	M41	Z	-1.67	-1.67	0	%100
59	M42	X	-3.856	-3.856	0	%100
60	M42	Z	-2.226	-2.226	0	%100
61	M43	X	-2.969	-2.969	0	%100
62	M43	Z	-1.714	-1.714	0	%100
63	M44	X	-.742	-.742	0	%100
64	M44	Z	-.429	-.429	0	%100
65	M45	X	-.742	-.742	0	%100
66	M45	Z	-.429	-.429	0	%100
67	M46	X	-.742	-.742	0	%100
68	M46	Z	-.429	-.429	0	%100
69	M47	X	-.742	-.742	0	%100
70	M47	Z	-.429	-.429	0	%100
71	M48	X	-2.969	-2.969	0	%100
72	M48	Z	-1.714	-1.714	0	%100
73	M49	X	-.699	-.699	0	%100
74	M49	Z	-.404	-.404	0	%100
75	M50	X	-2.797	-2.797	0	%100
76	M50	Z	-1.615	-1.615	0	%100
77	M51	X	-.699	-.699	0	%100
78	M51	Z	-.404	-.404	0	%100
79	M96	X	-1.165	-1.165	0	%100
80	M96	Z	-.673	-.673	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M97	X	-1.165	-1.165	0	%100
82	M97	Z	-.673	-.673	0	%100
83	M98	X	-4.661	-4.661	0	%100
84	M98	Z	-2.691	-2.691	0	%100
85	MP1A	X	-2.782	-2.782	0	%100
86	MP1A	Z	-1.606	-1.606	0	%100
87	MP1B	X	-2.782	-2.782	0	%100
88	MP1B	Z	-1.606	-1.606	0	%100
89	MP1C	X	-2.782	-2.782	0	%100
90	MP1C	Z	-1.606	-1.606	0	%100
91	MP2A	X	-2.782	-2.782	0	%100
92	MP2A	Z	-1.606	-1.606	0	%100
93	MP2B	X	-2.782	-2.782	0	%100
94	MP2B	Z	-1.606	-1.606	0	%100
95	MP2C	X	-2.782	-2.782	0	%100
96	MP2C	Z	-1.606	-1.606	0	%100
97	MP3A	X	-2.782	-2.782	0	%100
98	MP3A	Z	-1.606	-1.606	0	%100
99	MP3B	X	-2.782	-2.782	0	%100
100	MP3B	Z	-1.606	-1.606	0	%100
101	MP3C	X	-2.782	-2.782	0	%100
102	MP3C	Z	-1.606	-1.606	0	%100
103	MP4A	X	-2.782	-2.782	0	%100
104	MP4A	Z	-1.606	-1.606	0	%100
105	MP4B	X	-2.782	-2.782	0	%100
106	MP4B	Z	-1.606	-1.606	0	%100
107	MP4C	X	-2.782	-2.782	0	%100
108	MP4C	Z	-1.606	-1.606	0	%100
109	OVPB	X	-1.931	-1.931	0	%100
110	OVPB	Z	-1.115	-1.115	0	%100
111	OVPC	X	-1.931	-1.931	0	%100
112	OVPC	Z	-1.115	-1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.446	-1.446	0	%100
2	M1	Z	-2.505	-2.505	0	%100
3	M2	X	-1.446	-1.446	0	%100
4	M2	Z	-2.505	-2.505	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	-.457	-.457	0	%100
8	M16	Z	-.792	-.792	0	%100
9	M17	X	-1.83	-1.83	0	%100
10	M17	Z	-3.169	-3.169	0	%100
11	M18	X	-.457	-.457	0	%100
12	M18	Z	-.792	-.792	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	-1.365	-1.365	0	%100
16	M20	Z	-2.364	-2.364	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M21	X	-1.365	-1.365	0	%100
18	M21	Z	-2.364	-2.364	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	-1.67	-1.67	0	%100
22	M23	Z	-2.892	-2.892	0	%100
23	M24	X	-1.683	-1.683	0	%100
24	M24	Z	-2.915	-2.915	0	%100
25	M25	X	-1.67	-1.67	0	%100
26	M25	Z	-2.892	-2.892	0	%100
27	M26	X	-1.67	-1.67	0	%100
28	M26	Z	-2.892	-2.892	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-1.67	-1.67	0	%100
34	M29	Z	-2.892	-2.892	0	%100
35	M30	X	-1.683	-1.683	0	%100
36	M30	Z	-2.915	-2.915	0	%100
37	M31	X	-.557	-.557	0	%100
38	M31	Z	-.964	-.964	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-.557	-.557	0	%100
42	M33	Z	-.964	-.964	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.557	-.557	0	%100
46	M35	Z	-.964	-.964	0	%100
47	M36	X	-1.67	-1.67	0	%100
48	M36	Z	-2.892	-2.892	0	%100
49	M37	X	-2.226	-2.226	0	%100
50	M37	Z	-3.856	-3.856	0	%100
51	M38	X	-1.67	-1.67	0	%100
52	M38	Z	-2.892	-2.892	0	%100
53	M39	X	-2.226	-2.226	0	%100
54	M39	Z	-3.856	-3.856	0	%100
55	M40	X	-1.67	-1.67	0	%100
56	M40	Z	-2.892	-2.892	0	%100
57	M41	X	-.557	-.557	0	%100
58	M41	Z	-.964	-.964	0	%100
59	M42	X	-1.67	-1.67	0	%100
60	M42	Z	-2.892	-2.892	0	%100
61	M43	X	-1.286	-1.286	0	%100
62	M43	Z	-2.227	-2.227	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	-1.286	-1.286	0	%100
68	M46	Z	-2.227	-2.227	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M47	X	-1.286	-1.286	0	%100
70	M47	Z	-2.227	-2.227	0	%100
71	M48	X	-1.286	-1.286	0	%100
72	M48	Z	-2.227	-2.227	0	%100
73	M49	X	-1.211	-1.211	0	%100
74	M49	Z	-2.098	-2.098	0	%100
75	M50	X	-1.211	-1.211	0	%100
76	M50	Z	-2.098	-2.098	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	-2.018	-2.018	0	%100
82	M97	Z	-3.496	-3.496	0	%100
83	M98	X	-2.018	-2.018	0	%100
84	M98	Z	-3.496	-3.496	0	%100
85	MP1A	X	-1.606	-1.606	0	%100
86	MP1A	Z	-2.782	-2.782	0	%100
87	MP1B	X	-1.606	-1.606	0	%100
88	MP1B	Z	-2.782	-2.782	0	%100
89	MP1C	X	-1.606	-1.606	0	%100
90	MP1C	Z	-2.782	-2.782	0	%100
91	MP2A	X	-1.606	-1.606	0	%100
92	MP2A	Z	-2.782	-2.782	0	%100
93	MP2B	X	-1.606	-1.606	0	%100
94	MP2B	Z	-2.782	-2.782	0	%100
95	MP2C	X	-1.606	-1.606	0	%100
96	MP2C	Z	-2.782	-2.782	0	%100
97	MP3A	X	-1.606	-1.606	0	%100
98	MP3A	Z	-2.782	-2.782	0	%100
99	MP3B	X	-1.606	-1.606	0	%100
100	MP3B	Z	-2.782	-2.782	0	%100
101	MP3C	X	-1.606	-1.606	0	%100
102	MP3C	Z	-2.782	-2.782	0	%100
103	MP4A	X	-1.606	-1.606	0	%100
104	MP4A	Z	-2.782	-2.782	0	%100
105	MP4B	X	-1.606	-1.606	0	%100
106	MP4B	Z	-2.782	-2.782	0	%100
107	MP4C	X	-1.606	-1.606	0	%100
108	MP4C	Z	-2.782	-2.782	0	%100
109	OVPB	X	-1.115	-1.115	0	%100
110	OVPB	Z	-1.931	-1.931	0	%100
111	OVPC	X	-1.115	-1.115	0	%100
112	OVPC	Z	-1.931	-1.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.701	-.701	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.175	-.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M3	X	0	0	0	%100
6	M3	Z	-.175	-.175	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	-.536	-.536	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	-.536	-.536	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	-.178	-.178	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	-.712	-.712	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	-.178	-.178	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	-.301	-.301	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	-.301	-.301	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	-1.202	-1.202	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.301	-.301	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-1.202	-1.202	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.301	-.301	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.301	-.301	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-1.202	-1.202	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-.301	-.301	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.301	-.301	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-.902	-.902	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-.301	-.301	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-.902	-.902	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-1.202	-1.202	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	-.902	-.902	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-1.202	-1.202	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-.902	-.902	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-.301	-.301	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	-.167	-.167	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	-.167	-.167	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	-.167	-.167	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	-.668	-.668	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	-.668	-.668	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	-.167	-.167	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	-.476	-.476	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-.119	-.119	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	-.119	-.119	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	-.368	-.368	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	-1.47	-1.47	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	-.368	-.368	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-.476	-.476	0	%100
87	MP1B	X	0	0	0	%100
88	MP1B	Z	-.476	-.476	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-.476	-.476	0	%100
91	MP2A	X	0	0	0	%100
92	MP2A	Z	-.476	-.476	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-.476	-.476	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-.476	-.476	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	-.476	-.476	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.476	-.476	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-.476	-.476	0	%100
103	MP4A	X	0	0	0	%100
104	MP4A	Z	-.476	-.476	0	%100
105	MP4B	X	0	0	0	%100
106	MP4B	Z	-.476	-.476	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-.476	-.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	OVPB	X	0	0	0	%100
110	OVPB	Z	-.345	-.345	0	%100
111	OVPC	X	0	0	0	%100
112	OVPC	Z	-.345	-.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.263	.263	0	%100
2	M1	Z	-.456	-.456	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.263	.263	0	%100
6	M3	Z	-.456	-.456	0	%100
7	M16	X	.357	.357	0	%100
8	M16	Z	-.619	-.619	0	%100
9	M17	X	.089	.089	0	%100
10	M17	Z	-.155	-.155	0	%100
11	M18	X	.089	.089	0	%100
12	M18	Z	-.155	-.155	0	%100
13	M19	X	.267	.267	0	%100
14	M19	Z	-.462	-.462	0	%100
15	M20	X	.267	.267	0	%100
16	M20	Z	-.462	-.462	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	.451	.451	0	%100
20	M22	Z	-.781	-.781	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	.451	.451	0	%100
24	M24	Z	-.781	-.781	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.451	.451	0	%100
28	M26	Z	-.781	-.781	0	%100
29	M27	X	.451	.451	0	%100
30	M27	Z	-.781	-.781	0	%100
31	M28	X	.451	.451	0	%100
32	M28	Z	-.781	-.781	0	%100
33	M29	X	.451	.451	0	%100
34	M29	Z	-.781	-.781	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.15	.15	0	%100
38	M31	Z	-.26	-.26	0	%100
39	M32	X	.451	.451	0	%100
40	M32	Z	-.781	-.781	0	%100
41	M33	X	.601	.601	0	%100
42	M33	Z	-1.041	-1.041	0	%100
43	M34	X	.451	.451	0	%100
44	M34	Z	-.781	-.781	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M35	X	.601	.601	0	%100
46	M35	Z	-1.041	-1.041	0	%100
47	M36	X	.451	.451	0	%100
48	M36	Z	-.781	-.781	0	%100
49	M37	X	.15	.15	0	%100
50	M37	Z	-.26	-.26	0	%100
51	M38	X	.451	.451	0	%100
52	M38	Z	-.781	-.781	0	%100
53	M39	X	.15	.15	0	%100
54	M39	Z	-.26	-.26	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	.15	.15	0	%100
58	M41	Z	-.26	-.26	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	.25	.25	0	%100
64	M44	Z	-.434	-.434	0	%100
65	M45	X	.25	.25	0	%100
66	M45	Z	-.434	-.434	0	%100
67	M46	X	.25	.25	0	%100
68	M46	Z	-.434	-.434	0	%100
69	M47	X	.25	.25	0	%100
70	M47	Z	-.434	-.434	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	.178	.178	0	%100
74	M49	Z	-.309	-.309	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	.178	.178	0	%100
78	M51	Z	-.309	-.309	0	%100
79	M96	X	.551	.551	0	%100
80	M96	Z	-.955	-.955	0	%100
81	M97	X	.551	.551	0	%100
82	M97	Z	-.955	-.955	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	.238	.238	0	%100
86	MP1A	Z	-.412	-.412	0	%100
87	MP1B	X	.238	.238	0	%100
88	MP1B	Z	-.412	-.412	0	%100
89	MP1C	X	.238	.238	0	%100
90	MP1C	Z	-.412	-.412	0	%100
91	MP2A	X	.238	.238	0	%100
92	MP2A	Z	-.412	-.412	0	%100
93	MP2B	X	.238	.238	0	%100
94	MP2B	Z	-.412	-.412	0	%100
95	MP2C	X	.238	.238	0	%100
96	MP2C	Z	-.412	-.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP3A	X	.238	.238	0	%100
98	MP3A	Z	-.412	-.412	0	%100
99	MP3B	X	.238	.238	0	%100
100	MP3B	Z	-.412	-.412	0	%100
101	MP3C	X	.238	.238	0	%100
102	MP3C	Z	-.412	-.412	0	%100
103	MP4A	X	.238	.238	0	%100
104	MP4A	Z	-.412	-.412	0	%100
105	MP4B	X	.238	.238	0	%100
106	MP4B	Z	-.412	-.412	0	%100
107	MP4C	X	.238	.238	0	%100
108	MP4C	Z	-.412	-.412	0	%100
109	OVPB	X	.172	.172	0	%100
110	OVPB	Z	-.298	-.298	0	%100
111	OVPC	X	.172	.172	0	%100
112	OVPC	Z	-.298	-.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.152	.152	0	%100
2	M1	Z	-.088	-.088	0	%100
3	M2	X	.152	.152	0	%100
4	M2	Z	-.088	-.088	0	%100
5	M3	X	.607	.607	0	%100
6	M3	Z	-.351	-.351	0	%100
7	M16	X	.464	.464	0	%100
8	M16	Z	-.268	-.268	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	.464	.464	0	%100
12	M18	Z	-.268	-.268	0	%100
13	M19	X	.616	.616	0	%100
14	M19	Z	-.356	-.356	0	%100
15	M20	X	.154	.154	0	%100
16	M20	Z	-.089	-.089	0	%100
17	M21	X	.154	.154	0	%100
18	M21	Z	-.089	-.089	0	%100
19	M22	X	1.041	1.041	0	%100
20	M22	Z	-.601	-.601	0	%100
21	M23	X	.26	.26	0	%100
22	M23	Z	-.15	-.15	0	%100
23	M24	X	.26	.26	0	%100
24	M24	Z	-.15	-.15	0	%100
25	M25	X	.26	.26	0	%100
26	M25	Z	-.15	-.15	0	%100
27	M26	X	.26	.26	0	%100
28	M26	Z	-.15	-.15	0	%100
29	M27	X	1.041	1.041	0	%100
30	M27	Z	-.601	-.601	0	%100
31	M28	X	1.041	1.041	0	%100
32	M28	Z	-.601	-.601	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M29	X	.26	.26	0	%100
34	M29	Z	-.15	-.15	0	%100
35	M30	X	.26	.26	0	%100
36	M30	Z	-.15	-.15	0	%100
37	M31	X	.781	.781	0	%100
38	M31	Z	-.451	-.451	0	%100
39	M32	X	1.041	1.041	0	%100
40	M32	Z	-.601	-.601	0	%100
41	M33	X	.781	.781	0	%100
42	M33	Z	-.451	-.451	0	%100
43	M34	X	1.041	1.041	0	%100
44	M34	Z	-.601	-.601	0	%100
45	M35	X	.781	.781	0	%100
46	M35	Z	-.451	-.451	0	%100
47	M36	X	.26	.26	0	%100
48	M36	Z	-.15	-.15	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	.26	.26	0	%100
52	M38	Z	-.15	-.15	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	.26	.26	0	%100
56	M40	Z	-.15	-.15	0	%100
57	M41	X	.781	.781	0	%100
58	M41	Z	-.451	-.451	0	%100
59	M42	X	.26	.26	0	%100
60	M42	Z	-.15	-.15	0	%100
61	M43	X	.145	.145	0	%100
62	M43	Z	-.083	-.083	0	%100
63	M44	X	.578	.578	0	%100
64	M44	Z	-.334	-.334	0	%100
65	M45	X	.578	.578	0	%100
66	M45	Z	-.334	-.334	0	%100
67	M46	X	.145	.145	0	%100
68	M46	Z	-.083	-.083	0	%100
69	M47	X	.145	.145	0	%100
70	M47	Z	-.083	-.083	0	%100
71	M48	X	.145	.145	0	%100
72	M48	Z	-.083	-.083	0	%100
73	M49	X	.103	.103	0	%100
74	M49	Z	-.059	-.059	0	%100
75	M50	X	.103	.103	0	%100
76	M50	Z	-.059	-.059	0	%100
77	M51	X	.412	.412	0	%100
78	M51	Z	-.238	-.238	0	%100
79	M96	X	1.273	1.273	0	%100
80	M96	Z	-.735	-.735	0	%100
81	M97	X	.318	.318	0	%100
82	M97	Z	-.184	-.184	0	%100
83	M98	X	.318	.318	0	%100
84	M98	Z	-.184	-.184	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP1A	X	.412	.412	0	%100
86	MP1A	Z	-.238	-.238	0	%100
87	MP1B	X	.412	.412	0	%100
88	MP1B	Z	-.238	-.238	0	%100
89	MP1C	X	.412	.412	0	%100
90	MP1C	Z	-.238	-.238	0	%100
91	MP2A	X	.412	.412	0	%100
92	MP2A	Z	-.238	-.238	0	%100
93	MP2B	X	.412	.412	0	%100
94	MP2B	Z	-.238	-.238	0	%100
95	MP2C	X	.412	.412	0	%100
96	MP2C	Z	-.238	-.238	0	%100
97	MP3A	X	.412	.412	0	%100
98	MP3A	Z	-.238	-.238	0	%100
99	MP3B	X	.412	.412	0	%100
100	MP3B	Z	-.238	-.238	0	%100
101	MP3C	X	.412	.412	0	%100
102	MP3C	Z	-.238	-.238	0	%100
103	MP4A	X	.412	.412	0	%100
104	MP4A	Z	-.238	-.238	0	%100
105	MP4B	X	.412	.412	0	%100
106	MP4B	Z	-.238	-.238	0	%100
107	MP4C	X	.412	.412	0	%100
108	MP4C	Z	-.238	-.238	0	%100
109	OVPB	X	.298	.298	0	%100
110	OVPB	Z	-.172	-.172	0	%100
111	OVPC	X	.298	.298	0	%100
112	OVPC	Z	-.172	-.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.526	.526	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.526	.526	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	.179	.179	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	.179	.179	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	.715	.715	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	.534	.534	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	0	0	0	%100
17	M21	X	.534	.534	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	.902	.902	0	%100
20	M22	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M23	X	.902	.902	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M25	X	.902	.902	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.902	.902	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	.902	.902	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	.902	.902	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	1.202	1.202	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.902	.902	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	.301	.301	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.902	.902	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.301	.301	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M37	X	.301	.301	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	.301	.301	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	.902	.902	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	1.202	1.202	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	.902	.902	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	.501	.501	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	.501	.501	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	.501	.501	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	0	0	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	0	0	0	%100
71	M48	X	.501	.501	0	%100
72	M48	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M49	X	0	0	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	.357	.357	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	.357	.357	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	1.103	1.103	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	1.103	1.103	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	.476	.476	0	%100
86	MP1A	Z	0	0	0	%100
87	MP1B	X	.476	.476	0	%100
88	MP1B	Z	0	0	0	%100
89	MP1C	X	.476	.476	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2A	X	.476	.476	0	%100
92	MP2A	Z	0	0	0	%100
93	MP2B	X	.476	.476	0	%100
94	MP2B	Z	0	0	0	%100
95	MP2C	X	.476	.476	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3A	X	.476	.476	0	%100
98	MP3A	Z	0	0	0	%100
99	MP3B	X	.476	.476	0	%100
100	MP3B	Z	0	0	0	%100
101	MP3C	X	.476	.476	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4A	X	.476	.476	0	%100
104	MP4A	Z	0	0	0	%100
105	MP4B	X	.476	.476	0	%100
106	MP4B	Z	0	0	0	%100
107	MP4C	X	.476	.476	0	%100
108	MP4C	Z	0	0	0	%100
109	OVPB	X	.345	.345	0	%100
110	OVPB	Z	0	0	0	%100
111	OVPC	X	.345	.345	0	%100
112	OVPC	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.152	.152	0	%100
2	M1	Z	.088	.088	0	%100
3	M2	X	.607	.607	0	%100
4	M2	Z	.351	.351	0	%100
5	M3	X	.152	.152	0	%100
6	M3	Z	.088	.088	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M17	X	.464	.464	0	%100
10	M17	Z	.268	.268	0	%100
11	M18	X	.464	.464	0	%100
12	M18	Z	.268	.268	0	%100
13	M19	X	.154	.154	0	%100
14	M19	Z	.089	.089	0	%100
15	M20	X	.154	.154	0	%100
16	M20	Z	.089	.089	0	%100
17	M21	X	.616	.616	0	%100
18	M21	Z	.356	.356	0	%100
19	M22	X	.26	.26	0	%100
20	M22	Z	.15	.15	0	%100
21	M23	X	1.041	1.041	0	%100
22	M23	Z	.601	.601	0	%100
23	M24	X	.26	.26	0	%100
24	M24	Z	.15	.15	0	%100
25	M25	X	1.041	1.041	0	%100
26	M25	Z	.601	.601	0	%100
27	M26	X	.26	.26	0	%100
28	M26	Z	.15	.15	0	%100
29	M27	X	.26	.26	0	%100
30	M27	Z	.15	.15	0	%100
31	M28	X	.26	.26	0	%100
32	M28	Z	.15	.15	0	%100
33	M29	X	.26	.26	0	%100
34	M29	Z	.15	.15	0	%100
35	M30	X	1.041	1.041	0	%100
36	M30	Z	.601	.601	0	%100
37	M31	X	.781	.781	0	%100
38	M31	Z	.451	.451	0	%100
39	M32	X	.26	.26	0	%100
40	M32	Z	.15	.15	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.26	.26	0	%100
44	M34	Z	.15	.15	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	.26	.26	0	%100
48	M36	Z	.15	.15	0	%100
49	M37	X	.781	.781	0	%100
50	M37	Z	.451	.451	0	%100
51	M38	X	.26	.26	0	%100
52	M38	Z	.15	.15	0	%100
53	M39	X	.781	.781	0	%100
54	M39	Z	.451	.451	0	%100
55	M40	X	1.041	1.041	0	%100
56	M40	Z	.601	.601	0	%100
57	M41	X	.781	.781	0	%100
58	M41	Z	.451	.451	0	%100
59	M42	X	1.041	1.041	0	%100
60	M42	Z	.601	.601	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M43	X	.578	.578	0	%100
62	M43	Z	.334	.334	0	%100
63	M44	X	.145	.145	0	%100
64	M44	Z	.083	.083	0	%100
65	M45	X	.145	.145	0	%100
66	M45	Z	.083	.083	0	%100
67	M46	X	.145	.145	0	%100
68	M46	Z	.083	.083	0	%100
69	M47	X	.145	.145	0	%100
70	M47	Z	.083	.083	0	%100
71	M48	X	.578	.578	0	%100
72	M48	Z	.334	.334	0	%100
73	M49	X	.103	.103	0	%100
74	M49	Z	.059	.059	0	%100
75	M50	X	.412	.412	0	%100
76	M50	Z	.238	.238	0	%100
77	M51	X	.103	.103	0	%100
78	M51	Z	.059	.059	0	%100
79	M96	X	.318	.318	0	%100
80	M96	Z	.184	.184	0	%100
81	M97	X	.318	.318	0	%100
82	M97	Z	.184	.184	0	%100
83	M98	X	1.273	1.273	0	%100
84	M98	Z	.735	.735	0	%100
85	MP1A	X	.412	.412	0	%100
86	MP1A	Z	.238	.238	0	%100
87	MP1B	X	.412	.412	0	%100
88	MP1B	Z	.238	.238	0	%100
89	MP1C	X	.412	.412	0	%100
90	MP1C	Z	.238	.238	0	%100
91	MP2A	X	.412	.412	0	%100
92	MP2A	Z	.238	.238	0	%100
93	MP2B	X	.412	.412	0	%100
94	MP2B	Z	.238	.238	0	%100
95	MP2C	X	.412	.412	0	%100
96	MP2C	Z	.238	.238	0	%100
97	MP3A	X	.412	.412	0	%100
98	MP3A	Z	.238	.238	0	%100
99	MP3B	X	.412	.412	0	%100
100	MP3B	Z	.238	.238	0	%100
101	MP3C	X	.412	.412	0	%100
102	MP3C	Z	.238	.238	0	%100
103	MP4A	X	.412	.412	0	%100
104	MP4A	Z	.238	.238	0	%100
105	MP4B	X	.412	.412	0	%100
106	MP4B	Z	.238	.238	0	%100
107	MP4C	X	.412	.412	0	%100
108	MP4C	Z	.238	.238	0	%100
109	OVPB	X	.298	.298	0	%100
110	OVPB	Z	.172	.172	0	%100
111	OVPC	X	.298	.298	0	%100
112	OVPC	Z	.172	.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.263	.263	0	%100
2	M1	Z	.456	.456	0	%100
3	M2	X	.263	.263	0	%100
4	M2	Z	.456	.456	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	.089	.089	0	%100
8	M16	Z	.155	.155	0	%100
9	M17	X	.357	.357	0	%100
10	M17	Z	.619	.619	0	%100
11	M18	X	.089	.089	0	%100
12	M18	Z	.155	.155	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	.267	.267	0	%100
16	M20	Z	.462	.462	0	%100
17	M21	X	.267	.267	0	%100
18	M21	Z	.462	.462	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	.451	.451	0	%100
22	M23	Z	.781	.781	0	%100
23	M24	X	.451	.451	0	%100
24	M24	Z	.781	.781	0	%100
25	M25	X	.451	.451	0	%100
26	M25	Z	.781	.781	0	%100
27	M26	X	.451	.451	0	%100
28	M26	Z	.781	.781	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	.451	.451	0	%100
34	M29	Z	.781	.781	0	%100
35	M30	X	.451	.451	0	%100
36	M30	Z	.781	.781	0	%100
37	M31	X	.15	.15	0	%100
38	M31	Z	.26	.26	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	.15	.15	0	%100
42	M33	Z	.26	.26	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.15	.15	0	%100
46	M35	Z	.26	.26	0	%100
47	M36	X	.451	.451	0	%100
48	M36	Z	.781	.781	0	%100
49	M37	X	.601	.601	0	%100
50	M37	Z	1.041	1.041	0	%100
51	M38	X	.451	.451	0	%100
52	M38	Z	.781	.781	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M39	X	.601	.601	0	%100
54	M39	Z	1.041	1.041	0	%100
55	M40	X	.451	.451	0	%100
56	M40	Z	.781	.781	0	%100
57	M41	X	.15	.15	0	%100
58	M41	Z	.26	.26	0	%100
59	M42	X	.451	.451	0	%100
60	M42	Z	.781	.781	0	%100
61	M43	X	.25	.25	0	%100
62	M43	Z	.434	.434	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	.25	.25	0	%100
68	M46	Z	.434	.434	0	%100
69	M47	X	.25	.25	0	%100
70	M47	Z	.434	.434	0	%100
71	M48	X	.25	.25	0	%100
72	M48	Z	.434	.434	0	%100
73	M49	X	.178	.178	0	%100
74	M49	Z	.309	.309	0	%100
75	M50	X	.178	.178	0	%100
76	M50	Z	.309	.309	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	.551	.551	0	%100
82	M97	Z	.955	.955	0	%100
83	M98	X	.551	.551	0	%100
84	M98	Z	.955	.955	0	%100
85	MP1A	X	.238	.238	0	%100
86	MP1A	Z	.412	.412	0	%100
87	MP1B	X	.238	.238	0	%100
88	MP1B	Z	.412	.412	0	%100
89	MP1C	X	.238	.238	0	%100
90	MP1C	Z	.412	.412	0	%100
91	MP2A	X	.238	.238	0	%100
92	MP2A	Z	.412	.412	0	%100
93	MP2B	X	.238	.238	0	%100
94	MP2B	Z	.412	.412	0	%100
95	MP2C	X	.238	.238	0	%100
96	MP2C	Z	.412	.412	0	%100
97	MP3A	X	.238	.238	0	%100
98	MP3A	Z	.412	.412	0	%100
99	MP3B	X	.238	.238	0	%100
100	MP3B	Z	.412	.412	0	%100
101	MP3C	X	.238	.238	0	%100
102	MP3C	Z	.412	.412	0	%100
103	MP4A	X	.238	.238	0	%100
104	MP4A	Z	.412	.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP4B	X	.238	.238	0	%100
106	MP4B	Z	.412	.412	0	%100
107	MP4C	X	.238	.238	0	%100
108	MP4C	Z	.412	.412	0	%100
109	OVPB	X	.172	.172	0	%100
110	OVPB	Z	.298	.298	0	%100
111	OVPC	X	.172	.172	0	%100
112	OVPC	Z	.298	.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.701	.701	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.175	.175	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.175	.175	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	.536	.536	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	.536	.536	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	.178	.178	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	.712	.712	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	.178	.178	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	.301	.301	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	.301	.301	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	1.202	1.202	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.301	.301	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	1.202	1.202	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.301	.301	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.301	.301	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	1.202	1.202	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	.301	.301	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.301	.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M33	X	0	0	0	%100
42	M33	Z	.902	.902	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	.301	.301	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	.902	.902	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	1.202	1.202	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	.902	.902	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	1.202	1.202	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	.902	.902	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	.301	.301	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	.301	.301	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	.167	.167	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	.167	.167	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	.167	.167	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	.668	.668	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	.668	.668	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	.167	.167	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	.476	.476	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	.119	.119	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	.119	.119	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	.368	.368	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	1.47	1.47	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	.368	.368	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.476	.476	0	%100
87	MP1B	X	0	0	0	%100
88	MP1B	Z	.476	.476	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	.476	.476	0	%100
91	MP2A	X	0	0	0	%100
92	MP2A	Z	.476	.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP2B	X	0	0	0	%100
94	MP2B	Z	.476	.476	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	.476	.476	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	.476	.476	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.476	.476	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	.476	.476	0	%100
103	MP4A	X	0	0	0	%100
104	MP4A	Z	.476	.476	0	%100
105	MP4B	X	0	0	0	%100
106	MP4B	Z	.476	.476	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	.476	.476	0	%100
109	OVPB	X	0	0	0	%100
110	OVPB	Z	.345	.345	0	%100
111	OVPC	X	0	0	0	%100
112	OVPC	Z	.345	.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.263	-.263	0	%100
2	M1	Z	.456	.456	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.263	-.263	0	%100
6	M3	Z	.456	.456	0	%100
7	M16	X	-.357	-.357	0	%100
8	M16	Z	.619	.619	0	%100
9	M17	X	-.089	-.089	0	%100
10	M17	Z	.155	.155	0	%100
11	M18	X	-.089	-.089	0	%100
12	M18	Z	.155	.155	0	%100
13	M19	X	-.267	-.267	0	%100
14	M19	Z	.462	.462	0	%100
15	M20	X	-.267	-.267	0	%100
16	M20	Z	.462	.462	0	%100
17	M21	X	0	0	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	-.451	-.451	0	%100
20	M22	Z	.781	.781	0	%100
21	M23	X	0	0	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	-.451	-.451	0	%100
24	M24	Z	.781	.781	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.451	-.451	0	%100
28	M26	Z	.781	.781	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M27	X	-.451	-.451	0	%100
30	M27	Z	.781	.781	0	%100
31	M28	X	-.451	-.451	0	%100
32	M28	Z	.781	.781	0	%100
33	M29	X	-.451	-.451	0	%100
34	M29	Z	.781	.781	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-.15	-.15	0	%100
38	M31	Z	.26	.26	0	%100
39	M32	X	-.451	-.451	0	%100
40	M32	Z	.781	.781	0	%100
41	M33	X	-.601	-.601	0	%100
42	M33	Z	1.041	1.041	0	%100
43	M34	X	-.451	-.451	0	%100
44	M34	Z	.781	.781	0	%100
45	M35	X	-.601	-.601	0	%100
46	M35	Z	1.041	1.041	0	%100
47	M36	X	-.451	-.451	0	%100
48	M36	Z	.781	.781	0	%100
49	M37	X	-.15	-.15	0	%100
50	M37	Z	.26	.26	0	%100
51	M38	X	-.451	-.451	0	%100
52	M38	Z	.781	.781	0	%100
53	M39	X	-.15	-.15	0	%100
54	M39	Z	.26	.26	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-.15	-.15	0	%100
58	M41	Z	.26	.26	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	-.25	-.25	0	%100
64	M44	Z	.434	.434	0	%100
65	M45	X	-.25	-.25	0	%100
66	M45	Z	.434	.434	0	%100
67	M46	X	-.25	-.25	0	%100
68	M46	Z	.434	.434	0	%100
69	M47	X	-.25	-.25	0	%100
70	M47	Z	.434	.434	0	%100
71	M48	X	0	0	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	-.178	-.178	0	%100
74	M49	Z	.309	.309	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-.178	-.178	0	%100
78	M51	Z	.309	.309	0	%100
79	M96	X	-.551	-.551	0	%100
80	M96	Z	.955	.955	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M97	X	-.551	-.551	0	%100
82	M97	Z	.955	.955	0	%100
83	M98	X	0	0	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	-.238	-.238	0	%100
86	MP1A	Z	.412	.412	0	%100
87	MP1B	X	-.238	-.238	0	%100
88	MP1B	Z	.412	.412	0	%100
89	MP1C	X	-.238	-.238	0	%100
90	MP1C	Z	.412	.412	0	%100
91	MP2A	X	-.238	-.238	0	%100
92	MP2A	Z	.412	.412	0	%100
93	MP2B	X	-.238	-.238	0	%100
94	MP2B	Z	.412	.412	0	%100
95	MP2C	X	-.238	-.238	0	%100
96	MP2C	Z	.412	.412	0	%100
97	MP3A	X	-.238	-.238	0	%100
98	MP3A	Z	.412	.412	0	%100
99	MP3B	X	-.238	-.238	0	%100
100	MP3B	Z	.412	.412	0	%100
101	MP3C	X	-.238	-.238	0	%100
102	MP3C	Z	.412	.412	0	%100
103	MP4A	X	-.238	-.238	0	%100
104	MP4A	Z	.412	.412	0	%100
105	MP4B	X	-.238	-.238	0	%100
106	MP4B	Z	.412	.412	0	%100
107	MP4C	X	-.238	-.238	0	%100
108	MP4C	Z	.412	.412	0	%100
109	OVPB	X	-.172	-.172	0	%100
110	OVPB	Z	.298	.298	0	%100
111	OVPC	X	-.172	-.172	0	%100
112	OVPC	Z	.298	.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.152	-.152	0	%100
2	M1	Z	.088	.088	0	%100
3	M2	X	-.152	-.152	0	%100
4	M2	Z	.088	.088	0	%100
5	M3	X	-.607	-.607	0	%100
6	M3	Z	.351	.351	0	%100
7	M16	X	-.464	-.464	0	%100
8	M16	Z	.268	.268	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-.464	-.464	0	%100
12	M18	Z	.268	.268	0	%100
13	M19	X	-.616	-.616	0	%100
14	M19	Z	.356	.356	0	%100
15	M20	X	-.154	-.154	0	%100
16	M20	Z	.089	.089	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M21	X	-.154	-.154	0	%100
18	M21	Z	.089	.089	0	%100
19	M22	X	-1.041	-1.041	0	%100
20	M22	Z	.601	.601	0	%100
21	M23	X	-.26	-.26	0	%100
22	M23	Z	.15	.15	0	%100
23	M24	X	-.26	-.26	0	%100
24	M24	Z	.15	.15	0	%100
25	M25	X	-.26	-.26	0	%100
26	M25	Z	.15	.15	0	%100
27	M26	X	-.26	-.26	0	%100
28	M26	Z	.15	.15	0	%100
29	M27	X	-1.041	-1.041	0	%100
30	M27	Z	.601	.601	0	%100
31	M28	X	-1.041	-1.041	0	%100
32	M28	Z	.601	.601	0	%100
33	M29	X	-.26	-.26	0	%100
34	M29	Z	.15	.15	0	%100
35	M30	X	-.26	-.26	0	%100
36	M30	Z	.15	.15	0	%100
37	M31	X	-.781	-.781	0	%100
38	M31	Z	.451	.451	0	%100
39	M32	X	-1.041	-1.041	0	%100
40	M32	Z	.601	.601	0	%100
41	M33	X	-.781	-.781	0	%100
42	M33	Z	.451	.451	0	%100
43	M34	X	-1.041	-1.041	0	%100
44	M34	Z	.601	.601	0	%100
45	M35	X	-.781	-.781	0	%100
46	M35	Z	.451	.451	0	%100
47	M36	X	-.26	-.26	0	%100
48	M36	Z	.15	.15	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	-.26	-.26	0	%100
52	M38	Z	.15	.15	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-.26	-.26	0	%100
56	M40	Z	.15	.15	0	%100
57	M41	X	-.781	-.781	0	%100
58	M41	Z	.451	.451	0	%100
59	M42	X	-.26	-.26	0	%100
60	M42	Z	.15	.15	0	%100
61	M43	X	-.145	-.145	0	%100
62	M43	Z	.083	.083	0	%100
63	M44	X	-.578	-.578	0	%100
64	M44	Z	.334	.334	0	%100
65	M45	X	-.578	-.578	0	%100
66	M45	Z	.334	.334	0	%100
67	M46	X	-.145	-.145	0	%100
68	M46	Z	.083	.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M47	X	-.145	-.145	0	%100
70	M47	Z	.083	.083	0	%100
71	M48	X	-.145	-.145	0	%100
72	M48	Z	.083	.083	0	%100
73	M49	X	-.103	-.103	0	%100
74	M49	Z	.059	.059	0	%100
75	M50	X	-.103	-.103	0	%100
76	M50	Z	.059	.059	0	%100
77	M51	X	-.412	-.412	0	%100
78	M51	Z	.238	.238	0	%100
79	M96	X	-1.273	-1.273	0	%100
80	M96	Z	.735	.735	0	%100
81	M97	X	-.318	-.318	0	%100
82	M97	Z	.184	.184	0	%100
83	M98	X	-.318	-.318	0	%100
84	M98	Z	.184	.184	0	%100
85	MP1A	X	-.412	-.412	0	%100
86	MP1A	Z	.238	.238	0	%100
87	MP1B	X	-.412	-.412	0	%100
88	MP1B	Z	.238	.238	0	%100
89	MP1C	X	-.412	-.412	0	%100
90	MP1C	Z	.238	.238	0	%100
91	MP2A	X	-.412	-.412	0	%100
92	MP2A	Z	.238	.238	0	%100
93	MP2B	X	-.412	-.412	0	%100
94	MP2B	Z	.238	.238	0	%100
95	MP2C	X	-.412	-.412	0	%100
96	MP2C	Z	.238	.238	0	%100
97	MP3A	X	-.412	-.412	0	%100
98	MP3A	Z	.238	.238	0	%100
99	MP3B	X	-.412	-.412	0	%100
100	MP3B	Z	.238	.238	0	%100
101	MP3C	X	-.412	-.412	0	%100
102	MP3C	Z	.238	.238	0	%100
103	MP4A	X	-.412	-.412	0	%100
104	MP4A	Z	.238	.238	0	%100
105	MP4B	X	-.412	-.412	0	%100
106	MP4B	Z	.238	.238	0	%100
107	MP4C	X	-.412	-.412	0	%100
108	MP4C	Z	.238	.238	0	%100
109	OVPB	X	-.298	-.298	0	%100
110	OVPB	Z	.172	.172	0	%100
111	OVPC	X	-.298	-.298	0	%100
112	OVPC	Z	.172	.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.526	-.526	0	%100
4	M2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M3	X	-.526	-.526	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	-.179	-.179	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	-.179	-.179	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-.715	-.715	0	%100
12	M18	Z	0	0	0	%100
13	M19	X	-.534	-.534	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	0	0	0	%100
16	M20	Z	0	0	0	%100
17	M21	X	-.534	-.534	0	%100
18	M21	Z	0	0	0	%100
19	M22	X	-.902	-.902	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	-.902	-.902	0	%100
22	M23	Z	0	0	0	%100
23	M24	X	0	0	0	%100
24	M24	Z	0	0	0	%100
25	M25	X	-.902	-.902	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.902	-.902	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-.902	-.902	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-.902	-.902	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-1.202	-1.202	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.902	-.902	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-.301	-.301	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.902	-.902	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.301	-.301	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M37	X	-.301	-.301	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	-.301	-.301	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-.902	-.902	0	%100
56	M40	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	M41	X	-1.202	-1.202	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-.902	-.902	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	-.501	-.501	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	-.501	-.501	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	-.501	-.501	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	0	0	0	%100
69	M47	X	0	0	0	%100
70	M47	Z	0	0	0	%100
71	M48	X	-.501	-.501	0	%100
72	M48	Z	0	0	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	-.357	-.357	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-.357	-.357	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	-1.103	-1.103	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	0	0	0	%100
82	M97	Z	0	0	0	%100
83	M98	X	-1.103	-1.103	0	%100
84	M98	Z	0	0	0	%100
85	MP1A	X	-.476	-.476	0	%100
86	MP1A	Z	0	0	0	%100
87	MP1B	X	-.476	-.476	0	%100
88	MP1B	Z	0	0	0	%100
89	MP1C	X	-.476	-.476	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2A	X	-.476	-.476	0	%100
92	MP2A	Z	0	0	0	%100
93	MP2B	X	-.476	-.476	0	%100
94	MP2B	Z	0	0	0	%100
95	MP2C	X	-.476	-.476	0	%100
96	MP2C	Z	0	0	0	%100
97	MP3A	X	-.476	-.476	0	%100
98	MP3A	Z	0	0	0	%100
99	MP3B	X	-.476	-.476	0	%100
100	MP3B	Z	0	0	0	%100
101	MP3C	X	-.476	-.476	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4A	X	-.476	-.476	0	%100
104	MP4A	Z	0	0	0	%100
105	MP4B	X	-.476	-.476	0	%100
106	MP4B	Z	0	0	0	%100
107	MP4C	X	-.476	-.476	0	%100
108	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	OVPB	X	-.345	-.345	0	%100
110	OVPB	Z	0	0	0	%100
111	OVPC	X	-.345	-.345	0	%100
112	OVPC	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.152	-.152	0	%100
2	M1	Z	-.088	-.088	0	%100
3	M2	X	-.607	-.607	0	%100
4	M2	Z	-.351	-.351	0	%100
5	M3	X	-.152	-.152	0	%100
6	M3	Z	-.088	-.088	0	%100
7	M16	X	0	0	0	%100
8	M16	Z	0	0	0	%100
9	M17	X	-.464	-.464	0	%100
10	M17	Z	-.268	-.268	0	%100
11	M18	X	-.464	-.464	0	%100
12	M18	Z	-.268	-.268	0	%100
13	M19	X	-.154	-.154	0	%100
14	M19	Z	-.089	-.089	0	%100
15	M20	X	-.154	-.154	0	%100
16	M20	Z	-.089	-.089	0	%100
17	M21	X	-.616	-.616	0	%100
18	M21	Z	-.356	-.356	0	%100
19	M22	X	-.26	-.26	0	%100
20	M22	Z	-.15	-.15	0	%100
21	M23	X	-1.041	-1.041	0	%100
22	M23	Z	-.601	-.601	0	%100
23	M24	X	-.26	-.26	0	%100
24	M24	Z	-.15	-.15	0	%100
25	M25	X	-1.041	-1.041	0	%100
26	M25	Z	-.601	-.601	0	%100
27	M26	X	-.26	-.26	0	%100
28	M26	Z	-.15	-.15	0	%100
29	M27	X	-.26	-.26	0	%100
30	M27	Z	-.15	-.15	0	%100
31	M28	X	-.26	-.26	0	%100
32	M28	Z	-.15	-.15	0	%100
33	M29	X	-.26	-.26	0	%100
34	M29	Z	-.15	-.15	0	%100
35	M30	X	-1.041	-1.041	0	%100
36	M30	Z	-.601	-.601	0	%100
37	M31	X	-.781	-.781	0	%100
38	M31	Z	-.451	-.451	0	%100
39	M32	X	-.26	-.26	0	%100
40	M32	Z	-.15	-.15	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.26	-.26	0	%100
44	M34	Z	-.15	-.15	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-.26	-.26	0	%100
48	M36	Z	-.15	-.15	0	%100
49	M37	X	-.781	-.781	0	%100
50	M37	Z	-.451	-.451	0	%100
51	M38	X	-.26	-.26	0	%100
52	M38	Z	-.15	-.15	0	%100
53	M39	X	-.781	-.781	0	%100
54	M39	Z	-.451	-.451	0	%100
55	M40	X	-1.041	-1.041	0	%100
56	M40	Z	-.601	-.601	0	%100
57	M41	X	-.781	-.781	0	%100
58	M41	Z	-.451	-.451	0	%100
59	M42	X	-1.041	-1.041	0	%100
60	M42	Z	-.601	-.601	0	%100
61	M43	X	-.578	-.578	0	%100
62	M43	Z	-.334	-.334	0	%100
63	M44	X	-.145	-.145	0	%100
64	M44	Z	-.083	-.083	0	%100
65	M45	X	-.145	-.145	0	%100
66	M45	Z	-.083	-.083	0	%100
67	M46	X	-.145	-.145	0	%100
68	M46	Z	-.083	-.083	0	%100
69	M47	X	-.145	-.145	0	%100
70	M47	Z	-.083	-.083	0	%100
71	M48	X	-.578	-.578	0	%100
72	M48	Z	-.334	-.334	0	%100
73	M49	X	-.103	-.103	0	%100
74	M49	Z	-.059	-.059	0	%100
75	M50	X	-.412	-.412	0	%100
76	M50	Z	-.238	-.238	0	%100
77	M51	X	-.103	-.103	0	%100
78	M51	Z	-.059	-.059	0	%100
79	M96	X	-.318	-.318	0	%100
80	M96	Z	-.184	-.184	0	%100
81	M97	X	-.318	-.318	0	%100
82	M97	Z	-.184	-.184	0	%100
83	M98	X	-1.273	-1.273	0	%100
84	M98	Z	-.735	-.735	0	%100
85	MP1A	X	-.412	-.412	0	%100
86	MP1A	Z	-.238	-.238	0	%100
87	MP1B	X	-.412	-.412	0	%100
88	MP1B	Z	-.238	-.238	0	%100
89	MP1C	X	-.412	-.412	0	%100
90	MP1C	Z	-.238	-.238	0	%100
91	MP2A	X	-.412	-.412	0	%100
92	MP2A	Z	-.238	-.238	0	%100
93	MP2B	X	-.412	-.412	0	%100
94	MP2B	Z	-.238	-.238	0	%100
95	MP2C	X	-.412	-.412	0	%100
96	MP2C	Z	-.238	-.238	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP3A	X	-.412	-.412	0	%100
98	MP3A	Z	-.238	-.238	0	%100
99	MP3B	X	-.412	-.412	0	%100
100	MP3B	Z	-.238	-.238	0	%100
101	MP3C	X	-.412	-.412	0	%100
102	MP3C	Z	-.238	-.238	0	%100
103	MP4A	X	-.412	-.412	0	%100
104	MP4A	Z	-.238	-.238	0	%100
105	MP4B	X	-.412	-.412	0	%100
106	MP4B	Z	-.238	-.238	0	%100
107	MP4C	X	-.412	-.412	0	%100
108	MP4C	Z	-.238	-.238	0	%100
109	OVPB	X	-.298	-.298	0	%100
110	OVPB	Z	-.172	-.172	0	%100
111	OVPC	X	-.298	-.298	0	%100
112	OVPC	Z	-.172	-.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.263	-.263	0	%100
2	M1	Z	-.456	-.456	0	%100
3	M2	X	-.263	-.263	0	%100
4	M2	Z	-.456	-.456	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M16	X	-.089	-.089	0	%100
8	M16	Z	-.155	-.155	0	%100
9	M17	X	-.357	-.357	0	%100
10	M17	Z	-.619	-.619	0	%100
11	M18	X	-.089	-.089	0	%100
12	M18	Z	-.155	-.155	0	%100
13	M19	X	0	0	0	%100
14	M19	Z	0	0	0	%100
15	M20	X	-.267	-.267	0	%100
16	M20	Z	-.462	-.462	0	%100
17	M21	X	-.267	-.267	0	%100
18	M21	Z	-.462	-.462	0	%100
19	M22	X	0	0	0	%100
20	M22	Z	0	0	0	%100
21	M23	X	-.451	-.451	0	%100
22	M23	Z	-.781	-.781	0	%100
23	M24	X	-.451	-.451	0	%100
24	M24	Z	-.781	-.781	0	%100
25	M25	X	-.451	-.451	0	%100
26	M25	Z	-.781	-.781	0	%100
27	M26	X	-.451	-.451	0	%100
28	M26	Z	-.781	-.781	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M29	X	-.451	-.451	0	%100
34	M29	Z	-.781	-.781	0	%100
35	M30	X	-.451	-.451	0	%100
36	M30	Z	-.781	-.781	0	%100
37	M31	X	-.15	-.15	0	%100
38	M31	Z	-.26	-.26	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-.15	-.15	0	%100
42	M33	Z	-.26	-.26	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.15	-.15	0	%100
46	M35	Z	-.26	-.26	0	%100
47	M36	X	-.451	-.451	0	%100
48	M36	Z	-.781	-.781	0	%100
49	M37	X	-.601	-.601	0	%100
50	M37	Z	-1.041	-1.041	0	%100
51	M38	X	-.451	-.451	0	%100
52	M38	Z	-.781	-.781	0	%100
53	M39	X	-.601	-.601	0	%100
54	M39	Z	-1.041	-1.041	0	%100
55	M40	X	-.451	-.451	0	%100
56	M40	Z	-.781	-.781	0	%100
57	M41	X	-.15	-.15	0	%100
58	M41	Z	-.26	-.26	0	%100
59	M42	X	-.451	-.451	0	%100
60	M42	Z	-.781	-.781	0	%100
61	M43	X	-.25	-.25	0	%100
62	M43	Z	-.434	-.434	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	-.25	-.25	0	%100
68	M46	Z	-.434	-.434	0	%100
69	M47	X	-.25	-.25	0	%100
70	M47	Z	-.434	-.434	0	%100
71	M48	X	-.25	-.25	0	%100
72	M48	Z	-.434	-.434	0	%100
73	M49	X	-.178	-.178	0	%100
74	M49	Z	-.309	-.309	0	%100
75	M50	X	-.178	-.178	0	%100
76	M50	Z	-.309	-.309	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	0	0	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	0	0	0	%100
81	M97	X	-.551	-.551	0	%100
82	M97	Z	-.955	-.955	0	%100
83	M98	X	-.551	-.551	0	%100
84	M98	Z	-.955	-.955	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP1A	X	-.238	-.238	0	%100
86	MP1A	Z	-.412	-.412	0	%100
87	MP1B	X	-.238	-.238	0	%100
88	MP1B	Z	-.412	-.412	0	%100
89	MP1C	X	-.238	-.238	0	%100
90	MP1C	Z	-.412	-.412	0	%100
91	MP2A	X	-.238	-.238	0	%100
92	MP2A	Z	-.412	-.412	0	%100
93	MP2B	X	-.238	-.238	0	%100
94	MP2B	Z	-.412	-.412	0	%100
95	MP2C	X	-.238	-.238	0	%100
96	MP2C	Z	-.412	-.412	0	%100
97	MP3A	X	-.238	-.238	0	%100
98	MP3A	Z	-.412	-.412	0	%100
99	MP3B	X	-.238	-.238	0	%100
100	MP3B	Z	-.412	-.412	0	%100
101	MP3C	X	-.238	-.238	0	%100
102	MP3C	Z	-.412	-.412	0	%100
103	MP4A	X	-.238	-.238	0	%100
104	MP4A	Z	-.412	-.412	0	%100
105	MP4B	X	-.238	-.238	0	%100
106	MP4B	Z	-.412	-.412	0	%100
107	MP4C	X	-.238	-.238	0	%100
108	MP4C	Z	-.412	-.412	0	%100
109	OVPB	X	-.172	-.172	0	%100
110	OVPB	Z	-.298	-.298	0	%100
111	OVPC	X	-.172	-.172	0	%100
112	OVPC	Z	-.298	-.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M17	Y	-.104	-13.199	1.575	2.31
2	M17	Y	-13.199	-20.62	2.31	3.045
3	M17	Y	-20.62	-10.78	3.045	3.78
4	M17	Y	-10.78	-5.57	3.78	4.515
5	M17	Y	-5.57	-3.482	4.515	5.25
6	M19	Y	-6.937	-6.937	.332	4.835
7	M27	Y	-.436	-.436	.079	.921
8	M47	Y	-2.226	-3.444	0	.798
9	M47	Y	-3.444	-4.708	.798	1.595
10	M47	Y	-4.708	-7.404	1.595	2.393
11	M47	Y	-7.404	-4.753	2.393	3.191
12	M47	Y	-4.753	-.061	3.191	3.988
13	M48	Y	-2.226	-3.444	0	.798
14	M48	Y	-3.444	-4.708	.798	1.595
15	M48	Y	-4.708	-7.405	1.595	2.393
16	M48	Y	-7.405	-4.754	2.393	3.191
17	M48	Y	-4.754	-.061	3.191	3.988
18	M16	Y	-.104	-13.199	1.575	2.31
19	M16	Y	-13.199	-20.62	2.31	3.045
20	M16	Y	-20.62	-10.78	3.045	3.78

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M16	Y	-10.78	-5.57	3.78	4.515
22	M16	Y	-5.57	-3.482	4.515	5.25
23	M21	Y	-6.937	-6.937	.332	4.835
24	M30	Y	-.436	-.436	.079	.921
25	M45	Y	-2.226	-3.444	0	.798
26	M45	Y	-3.444	-4.708	.798	1.595
27	M45	Y	-4.708	-7.405	1.595	2.393
28	M45	Y	-7.405	-4.754	2.393	3.191
29	M45	Y	-4.754	-.061	3.191	3.988
30	M46	Y	-2.226	-3.444	0	.798
31	M46	Y	-3.444	-4.708	.798	1.595
32	M46	Y	-4.708	-7.404	1.595	2.393
33	M46	Y	-7.404	-4.753	2.393	3.191
34	M46	Y	-4.753	-.061	3.191	3.988
35	M18	Y	-.104	-13.199	1.575	2.31
36	M18	Y	-13.199	-20.62	2.31	3.045
37	M18	Y	-20.62	-10.78	3.045	3.78
38	M18	Y	-10.78	-5.57	3.78	4.515
39	M18	Y	-5.57	-3.482	4.515	5.25
40	M20	Y	-6.937	-6.937	.332	4.835
41	M24	Y	-.436	-.436	.079	.921
42	M43	Y	-2.226	-3.444	0	.798
43	M43	Y	-3.444	-4.708	.798	1.595
44	M43	Y	-4.708	-7.405	1.595	2.393
45	M43	Y	-7.405	-4.754	2.393	3.191
46	M43	Y	-4.754	-.061	3.191	3.988
47	M44	Y	-2.226	-3.444	0	.798
48	M44	Y	-3.444	-4.708	.798	1.595
49	M44	Y	-4.708	-7.404	1.595	2.393
50	M44	Y	-7.404	-4.753	2.393	3.191
51	M44	Y	-4.753	-.061	3.191	3.988

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M17	Y	-.167	-21.119	1.575	2.31
2	M17	Y	-21.119	-32.993	2.31	3.045
3	M17	Y	-32.993	-17.249	3.045	3.78
4	M17	Y	-17.249	-8.912	3.78	4.515
5	M17	Y	-8.912	-5.57	4.515	5.25
6	M19	Y	-11.099	-11.099	.332	4.835
7	M27	Y	-.698	-.698	.079	.921
8	M47	Y	-3.562	-5.511	0	.798
9	M47	Y	-5.511	-7.533	.798	1.595
10	M47	Y	-7.533	-11.846	1.595	2.393
11	M47	Y	-11.846	-7.605	2.393	3.191
12	M47	Y	-7.605	-.097	3.191	3.988
13	M48	Y	-3.562	-5.511	0	.798
14	M48	Y	-5.511	-7.532	.798	1.595
15	M48	Y	-7.532	-11.847	1.595	2.393
16	M48	Y	-11.847	-7.607	2.393	3.191
17	M48	Y	-7.607	-.097	3.191	3.988

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M16	Y	-.167	-21.119	1.575	2.31
19	M16	Y	-21.119	-32.993	2.31	3.045
20	M16	Y	-32.993	-17.249	3.045	3.78
21	M16	Y	-17.249	-8.912	3.78	4.515
22	M16	Y	-8.912	-5.57	4.515	5.25
23	M21	Y	-11.099	-11.099	.332	4.835
24	M30	Y	-.698	-.698	.079	.921
25	M45	Y	-3.562	-5.511	0	.798
26	M45	Y	-5.511	-7.532	.798	1.595
27	M45	Y	-7.532	-11.847	1.595	2.393
28	M45	Y	-11.847	-7.607	2.393	3.191
29	M45	Y	-7.607	-.097	3.191	3.988
30	M46	Y	-3.562	-5.511	0	.798
31	M46	Y	-5.511	-7.533	.798	1.595
32	M46	Y	-7.533	-11.846	1.595	2.393
33	M46	Y	-11.846	-7.605	2.393	3.191
34	M46	Y	-7.605	-.097	3.191	3.988
35	M18	Y	-.167	-21.119	1.575	2.31
36	M18	Y	-21.119	-32.993	2.31	3.045
37	M18	Y	-32.993	-17.249	3.045	3.78
38	M18	Y	-17.249	-8.912	3.78	4.515
39	M18	Y	-8.912	-5.57	4.515	5.25
40	M20	Y	-11.099	-11.099	.332	4.835
41	M24	Y	-.698	-.698	.079	.921
42	M43	Y	-3.562	-5.511	0	.798
43	M43	Y	-5.511	-7.532	.798	1.595
44	M43	Y	-7.532	-11.847	1.595	2.393
45	M43	Y	-11.847	-7.607	2.393	3.191
46	M43	Y	-7.607	-.097	3.191	3.988
47	M44	Y	-3.562	-5.511	0	.798
48	M44	Y	-5.511	-7.533	.798	1.595
49	M44	Y	-7.533	-11.846	1.595	2.393
50	M44	Y	-11.846	-7.605	2.393	3.191
51	M44	Y	-7.605	-.097	3.191	3.988

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N81	N83	N84	N82	Y	Two Way	-.01
2	N80	N79	N77	N78	Y	Two Way	-.01
3	N76	N75	N73	N74	Y	Two Way	-.01

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N81	N83	N84	N82	Y	Two Way	-.016
2	N80	N79	N77	N78	Y	Two Way	-.016
3	N76	N75	N73	N74	Y	Two Way	-.016

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	N35	max	761.225	10	3011.316	13	1678.85	1	6.375	13	1.133	4	.245	16
2		min	-779.355	4	342.852	7	-1764.634	7	-.631	7	-1.151	10	-.074	10
3	N31	max	1395.931	11	2827.762	17	1019.893	1	.279	11	.995	8	5.067	17
4		min	-1312.908	5	292.326	11	-992.548	7	-3.185	17	-1.013	2	-.623	11
5	N33	max	1503.623	10	3011.377	21	841.104	3	.379	3	1.132	12	.511	3
6		min	-1569.762	4	342.76	3	-783.215	9	-2.977	21	-1.15	6	-5.643	21
7	Totals:	max	3494.03	10	8247.846	16	3513.627	1						
8		min	-3494.025	4	3111.852	10	-3513.623	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M17	HSS4X4X4	.397	0	21	.097	0	y	22	124317...	139518	16.181	16.181	3...	H1-1b
2	M18	HSS4X4X4	.396	0	13	.095	0	y	14	124317...	139518	16.181	16.181	3...	H1-1b
3	MP3B	PIPE_2.0	.380	4.958	9	.115	4.958		6	17855....	32130	1.872	1.872	2...	H1-1b
4	MP3C	PIPE_2.0	.379	4.958	1	.115	4.958		10	17855....	32130	1.872	1.872	2...	H1-1b
5	MP3A	PIPE_2.0	.378	4.958	5	.115	4.958		2	17855....	32130	1.872	1.872	2...	H1-1b
6	M16	HSS4X4X4	.372	0	17	.099	0	y	30	124317...	139518	16.181	16.181	3...	H1-1b
7	MP2A	PIPE_2.0	.368	4.958	10	.121	5.031		3	17855....	32130	1.872	1.872	2...	H1-1b
8	MP2B	PIPE_2.0	.368	4.958	2	.121	5.031		7	17855....	32130	1.872	1.872	2...	H1-1b
9	MP2C	PIPE_2.0	.366	4.958	6	.121	5.031		11	17855....	32130	1.872	1.872	2...	H1-1b
10	MP4C	PIPE_2.0	.304	4.958	1	.117	4.958		2	17855....	32130	1.872	1.872	2...	H1-1b
11	MP4B	PIPE_2.0	.304	4.958	9	.118	4.958		10	17855....	32130	1.872	1.872	2...	H1-1b
12	MP4A	PIPE_2.0	.302	4.958	5	.117	4.958		6	17855....	32130	1.872	1.872	2...	H1-1b
13	M49	PIPE_2.0	.280	8.258	8	.115	10.486		6	6212.315	32130	1.872	1.872	3...	H1-1b
14	M50	PIPE_2.0	.280	8.258	12	.116	10.486		10	6212.315	32130	1.872	1.872	3...	H1-1b
15	M51	PIPE_2.0	.280	8.258	4	.115	10.486		2	6212.315	32130	1.872	1.872	3...	H1-1b
16	MP1A	PIPE_2.0	.280	4.958	9	.112	4.958		8	17855....	32130	1.872	1.872	2...	H1-1b
17	MP1B	PIPE_2.0	.279	4.958	1	.113	4.958		12	17855....	32130	1.872	1.872	2...	H1-1b
18	MP1C	PIPE_2.0	.278	4.958	5	.112	4.958		4	17855....	32130	1.872	1.872	2...	H1-1b
19	M30	PL3/8x6	.249	.5	11	.160	.5	y	15	37828....	72900	.57	9.113	1...	H1-1b
20	M24	PL3/8x6	.249	.5	7	.161	.5	y	24	37828....	72900	.57	9.113	1...	H1-1b
21	M27	PL3/8x6	.247	.5	3	.159	.5	y	20	37828....	72900	.57	9.113	1...	H1-1b
22	M41	PL3/8x6	.202	.229	1	.349	.229	y	21	63515....	72900	.57	9.113	1...	H1-1b
23	M45	L2x2x3	.201	0	5	.016	0	z	15	8728.795	23392.8	.558	1.214	2...	H2-1
24	M43	L2x2x3	.201	0	1	.016	0	z	23	8728.795	23392.8	.558	1.215	2...	H2-1
25	M33	PL3/8x6	.200	.229	5	.340	.229	y	13	63515....	72900	.57	9.113	1...	H1-1b
26	M47	L2x2x3	.198	0	9	.016	0	z	19	8728.795	23392.8	.558	1.215	2.3	H2-1
27	M40	PL3/8x6	.197	.125	4	.448	0	y	22	69971.41	72900	.57	9.113	1...	H1-1b
28	M34	PL3/8x6	.196	.125	11	.430	0	y	16	69971.41	72900	.57	9.113	1...	H1-1b
29	M42	PL3/8x6	.196	.125	7	.434	0	y	24	69971.41	72900	.57	9.113	1...	H1-1b
30	M36	PL3/8x6	.196	.125	12	.444	0	y	18	69971.41	72900	.57	9.113	1...	H1-1b
31	M32	PL3/8x6	.195	.125	8	.444	0	y	14	69971.41	72900	.57	9.113	1...	H1-1b
32	M37	PL3/8x6	.194	.229	9	.342	.229	y	17	63515....	72900	.57	9.113	1...	H1-1b
33	M38	PL3/8x6	.194	.125	3	.430	0	y	20	69971.41	72900	.57	9.113	1...	H1-1b
34	M19	HSS4X4X4	.193	2.583	22	.070	2.583	y	21	124770...	139518	16.181	16.181	1...	H1-1b
35	M46	L2x2x3	.193	0	5	.013	4.431	y	21	8728.795	23392.8	.558	1.215	2...	H2-1
36	M48	L2x2x3	.193	0	9	.013	0	y	23	8728.795	23392.8	.558	1.216	2...	H2-1
37	M20	HSS4X4X4	.192	2.583	14	.070	2.583	y	13	124770...	139518	16.181	16.181	1...	H1-1b
38	M21	HSS4X4X4	.191	2.583	18	.070	2.583	y	17	124770...	139518	16.181	16.181	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
39	M44	L2x2x3	.190	0	1	.013	4.431	y	17	8728.795	23392.8	.558	1.215	2...	H2-1
40	M31	PL3/8x6	.162	.229	10	.192	.229	y	17	63515....	72900	.57	9.113	1...	H1-1b
41	M39	PL3/8x6	.159	.229	6	.198	.229	y	13	63515....	72900	.57	9.113	1...	H1-1b
42	M35	PL3/8x6	.158	.229	2	.190	.229	y	21	63515....	72900	.57	9.113	1.4	H1-1b
43	M2	PIPE_3.0	.146	4.981	13	.078	7.734		13	27936....	65205	5.749	5.749	1...	H1-1b
44	M1	PIPE_3.0	.144	4.981	21	.077	7.734		21	27936....	65205	5.749	5.749	1...	H1-1b
45	M3	PIPE_3.0	.143	4.981	17	.077	7.734		17	27936....	65205	5.749	5.749	1...	H1-1b
46	M97	L6.5x4.5x4	.130	2.215	3	.023	.046	z	10	52072....	87075	4.571	7.236	2...	H2-1
47	M96	L6.5x4.5x4	.130	2.215	11	.023	.069	z	6	52072....	87075	4.571	7.236	2...	H2-1
48	M98	L6.5x4.5x4	.130	2.215	7	.023	0	z	2	52072....	87075	4.571	7.236	2...	H2-1
49	OVPB	PIPE_2.0	.097	2	21	.056	2		12	30625....	32130	1.872	1.872	2...	H1-1b
50	OVPC	PIPE_2.0	.097	2	13	.056	2		4	30625....	32130	1.872	1.872	1...	H1-1b
51	M23	PL3/8x6	.073	.125	1	.179	.125	y	9	69971.41	72900	.57	9.113	1...	H1-1b
52	M28	PL3/8x6	.073	.125	5	.179	.125	y	1	69971.41	72900	.57	9.113	1...	H1-1b
53	M26	PL3/8x6	.072	.125	9	.177	.125	y	5	69971.41	72900	.57	9.113	1...	H1-1b
54	M25	PL3/8x6	.070	.125	3	.170	.25	y	7	69971.41	72900	.57	9.113	1...	H1-1b
55	M29	PL3/8x6	.069	.125	11	.172	.25	y	3	69971.41	72900	.57	9.113	1...	H1-1b
56	M22	PL3/8x6	.068	.125	7	.171	.25	y	11	69971.41	72900	.57	9.113	1...	H1-1b

TIA-222-H CONNECTION CHECK
Mount to Tower Connection - Typ. All Sectors
2021740.468157.01

Bolt Information		
Bolt Diameter (d)	0.625	in
Net Tensile Area (An)	0.226	in^2
# of Bolts Total (n)	4	
Bolt Distance Up-Down	6	in
Bolt Distance Left-Right	6	in
Bolt Grade	A325N	
Bolt Tensile Strength (F_{ub})	120	ksi

Flange Information		
Height (h)	8	in
Width (w)	8	in
Thickness (t)	0.75	in
Steel Grade	A36	
Plate Yield Strength (Fy)	36	ksi
Support Arm Height	4	in
Support Arm Width	4	in

RISA 3D Reactions		
Moment (M)	6.38	k-ft
Axial (T)	0.35	kips
Shear (V)	3.01	kips

Bolt Capacity		
Nominal Tensile Strength (R_{nt})	27.120	kips
Nominal Shear Strength (R_{nv})	18.41	kips
Bolt Tensile Force (T_{ub})	8.93	kips
Bolt Shear Force (V_{ub})	0.753	kips
$T_{ub}/\phi R_{nt}$	0.43898	
$V_{ub}/\phi R_{nv}$	0.05453	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.19567	
Bolt Capacity =	43.9%	OK

Plate Capacity		
Bolt Circle (D_{BC})	8.485	in
Effective Width (B_{eff})	5.66	in
Flexural Moment (M_u)	12.63	k-in
Flexural Strength ($ØM_n$)	25.77	k-in
Plate Capacity=	49.0%	OK

Weld Capacity		
Fillet (leg) =	0.250	in
Throat (eff) =	0.18	in
Fexx =	70.00	ksi
ø =	0.75	
øRn =	5.57	kips/in
Weld Capacity=	74.4%	OK

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.
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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Purpose – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation 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 mount drawings" showing contractor's name, contact information, 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 passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. 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.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation. Each entire sector shall 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.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

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

Issue:

1. Contractor shall replace all existing mount pipes with new 84" long P2.0 STD pipes. Top of pipe shall be 12" from top face horizontal. Attach new mount pipes to support rail using VZWSMART-MSK1 and toe rail using VZWSMART-MSK2 crossover plates. The support rail shall remain where existing, 48" from toe rail. Refer to placement diagrams.
2. If present, contractor shall inspect climbing facilities and ensure that the safety climb is in good condition. Contractor shall install safety climb wire rope guide (Part #: Site Pro 1-120-203/317 or EOR approved equal) in locations where the wire rope is rubbing against mount to tower attachments. Contractor shall provide photos of safety climb wire rope guide installation.

Response:

Contractor certifies that the climbing facility / safety climb was not damaged during installation:

☐ Yes ☐ No

Comments:

☐ 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 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.

Special Instruction Confirmation:

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

Certifying Individual:

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

Structure: 468157-VZW - STAFFORDVILLE EAST CT

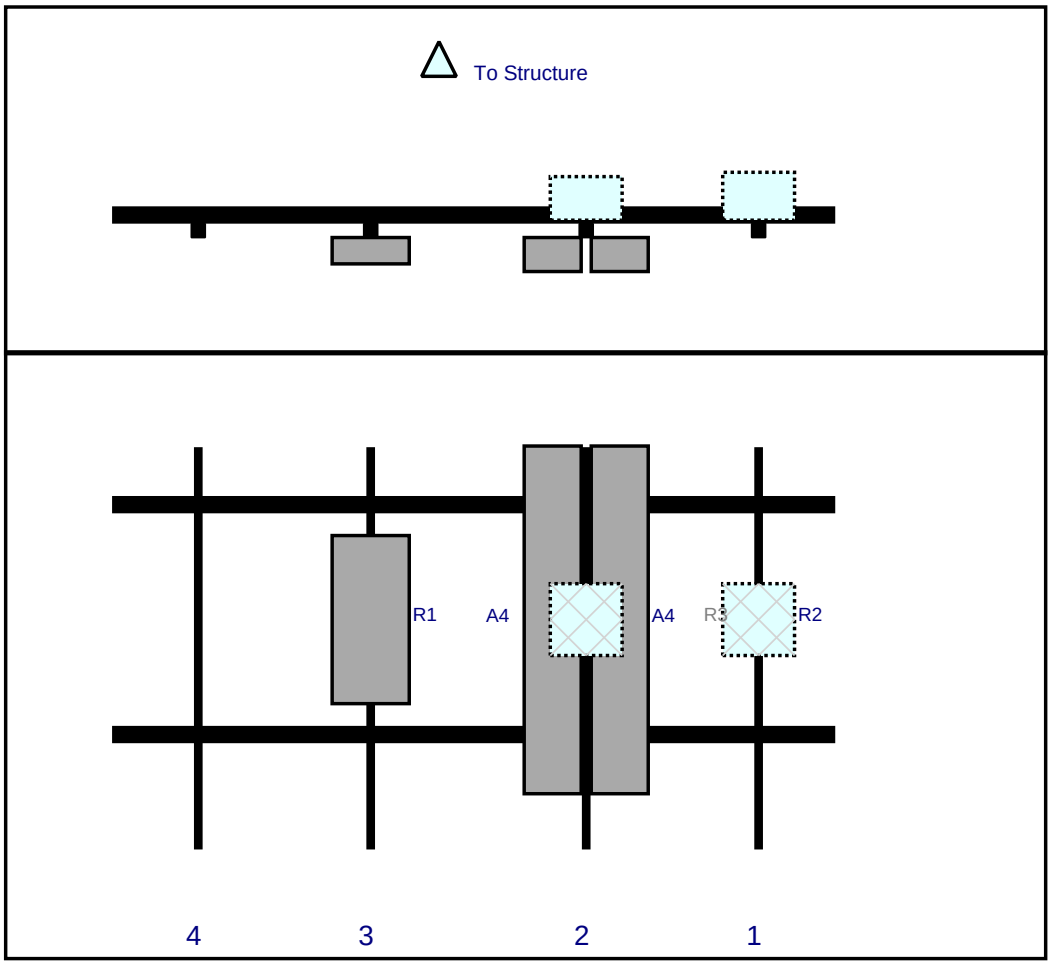
Sector: **A** 9/7/2021

Structure Type: Monopole 10039614

Mount Elev: 125.00

Plan View

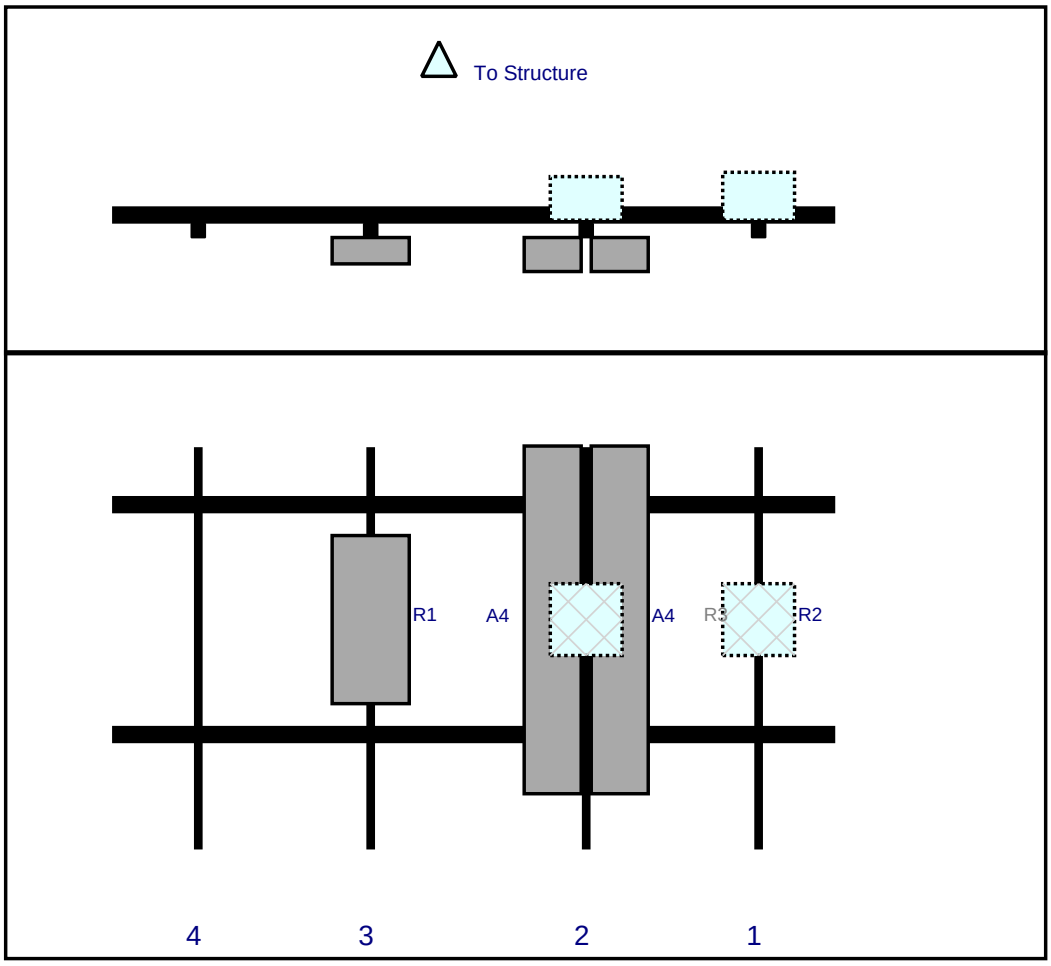
Front View
Looking at Structure



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
R2	RF4439d-25A	15	15	135	1	a	Behind	36	0	Added	
A4	SBNHH-1D65B	72.6	11.9	99	2	a	Front	36.06	7	Retained	
A4	SBNHH-1D65B	72.6	11.9	99	2	b	Front	36.06	-7	Retained	
R3	RF4440d-13A	15	15	99	2	c	Behind	36	0	Added	
R1	MT6407-77A	35.1	16.1	54	3	a	Front	36	0	Added	

Plan View

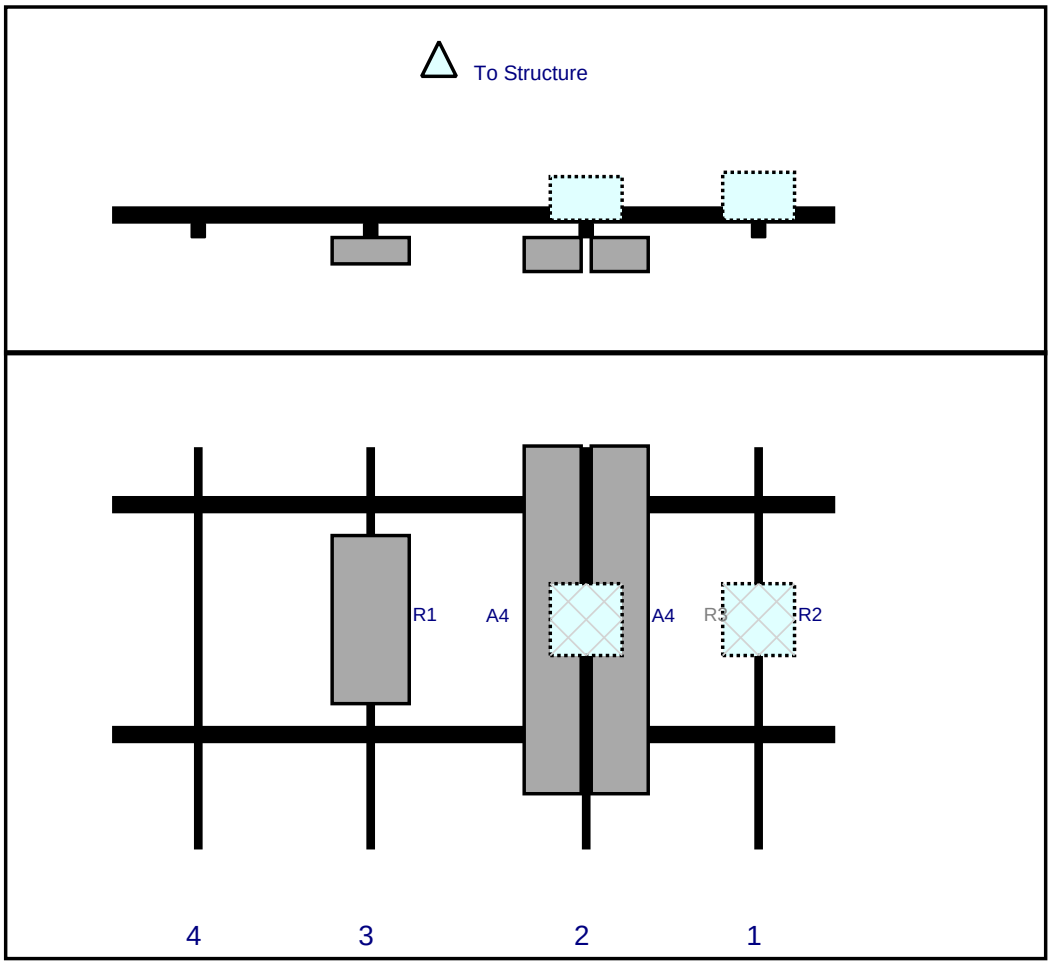
Front View
Looking at Structure



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
R2	RF4439d-25A	15	15	135	1	a	Behind	36	0	Added	
A4	SBNHH-1D65B	72.6	11.9	99	2	a	Front	36.06	7	Retained	
A4	SBNHH-1D65B	72.6	11.9	99	2	b	Front	36.06	-7	Retained	
R3	RF4440d-13A	15	15	99	2	c	Behind	36	0	Added	
R1	MT6407-77A	35.1	16.1	54	3	a	Front	36	0	Added	

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
R2	RF4439d-25A	15	15	135	1	a	Behind	36	0	Added	
A4	SBNHH-1D65B	72.6	11.9	99	2	a	Front	36.06	7	Retained	
A4	SBNHH-1D65B	72.6	11.9	99	2	b	Front	36.06	-7	Retained	
R3	RF4440d-13A	15	15	99	2	c	Behind	36	0	Added	
R1	MT6407-77A	35.1	16.1	54	3	a	Front	36	0	Added	

GPD Engineering and Architecture
Professional Corporation

September 7, 2021
2021740.468157.01

Subject	TIA-222-H Usage
Site Information	Site ID: 468157-VZW / STAFFORDVILLE EAST CT Site Name: STAFFORDVILLE EAST CT Carrier Name: Verizon Wireless Address: 175 Stafford St. Stafford, Connecticut 06077 Tolland County Latitude: 41.987050° Longitude: -72.261328°
Structure Information	Tower Type: Monopole Mount Type: 12.58-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

GPD Group

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

Exhibit F

Power Density/RF Emissions Report

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

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	698	2792	127	0.0062	0.5007	1.24%
VZW CDMA	869	2	396	792	127	0.0018	0.5793	0.30%
VZW Cellular	869	4	826	3304	127	0.0074	0.5793	1.27%
VZW PCS	1980	4	1492	5968	127	0.0133	1.0000	1.33%
VZW AWS	2125	4	1581	6324	127	0.0141	1.0000	1.41%
VZW CBAND	3730	4	6531	26124	127	0.0582	1.0000	5.82%
Total Percentage of Maximum Permissible Exposure								11.39%

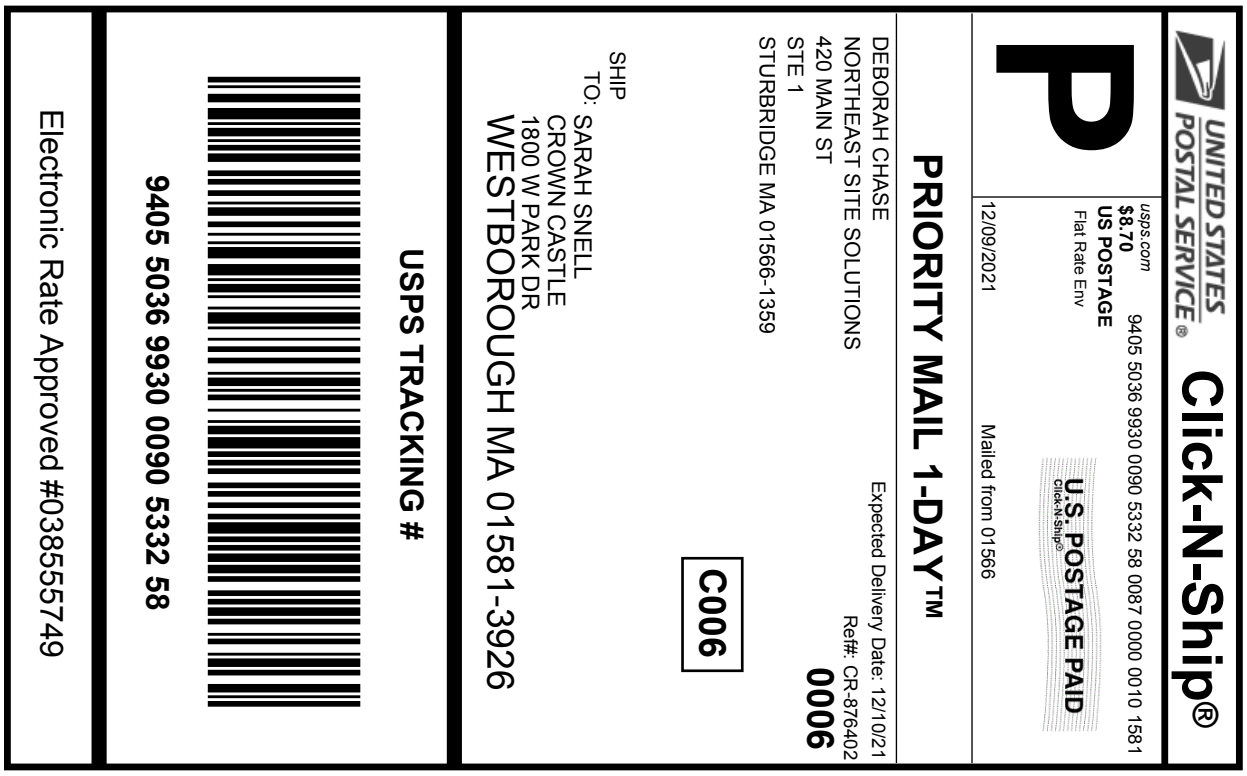
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

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USPS TRACKING # :
9405 5036 9930 0090 5332 58

Trans. #:	550531589
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/10/2021

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

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

Ref#: CR-876402

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

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

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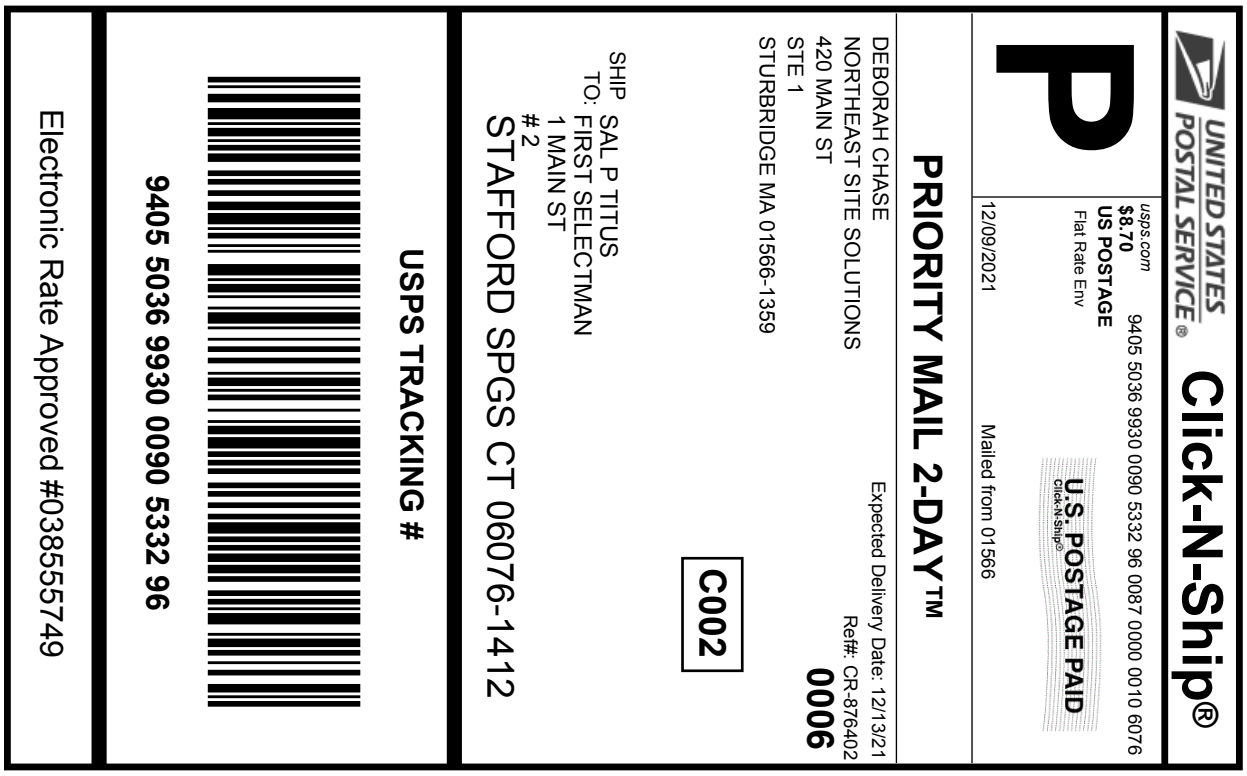

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9405 5036 9930 0090 5332 96

Trans. #:	550531589
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/13/2021

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

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

Ref#: CR-876402

To: SAL P TITUS
FIRST SELECTMAN
1 MAIN ST
2
STAFFORD SPGS CT 06076-1412

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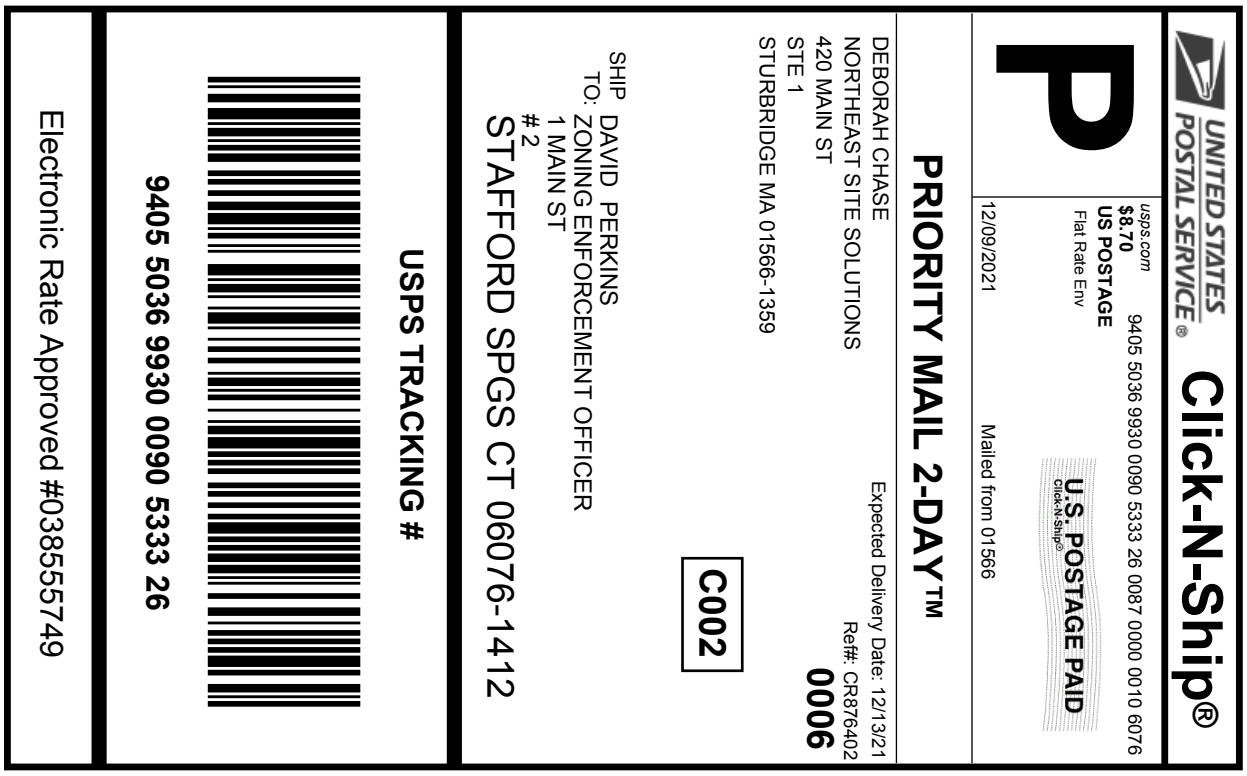

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0090 5333 26

Trans. #:	550531589
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/13/2021

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

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

Ref#: CR876402

To: DAVID PERKINS
ZONING ENFORCEMENT OFFICER
1 MAIN ST
2
STAFFORD SPGS CT 06076-1412

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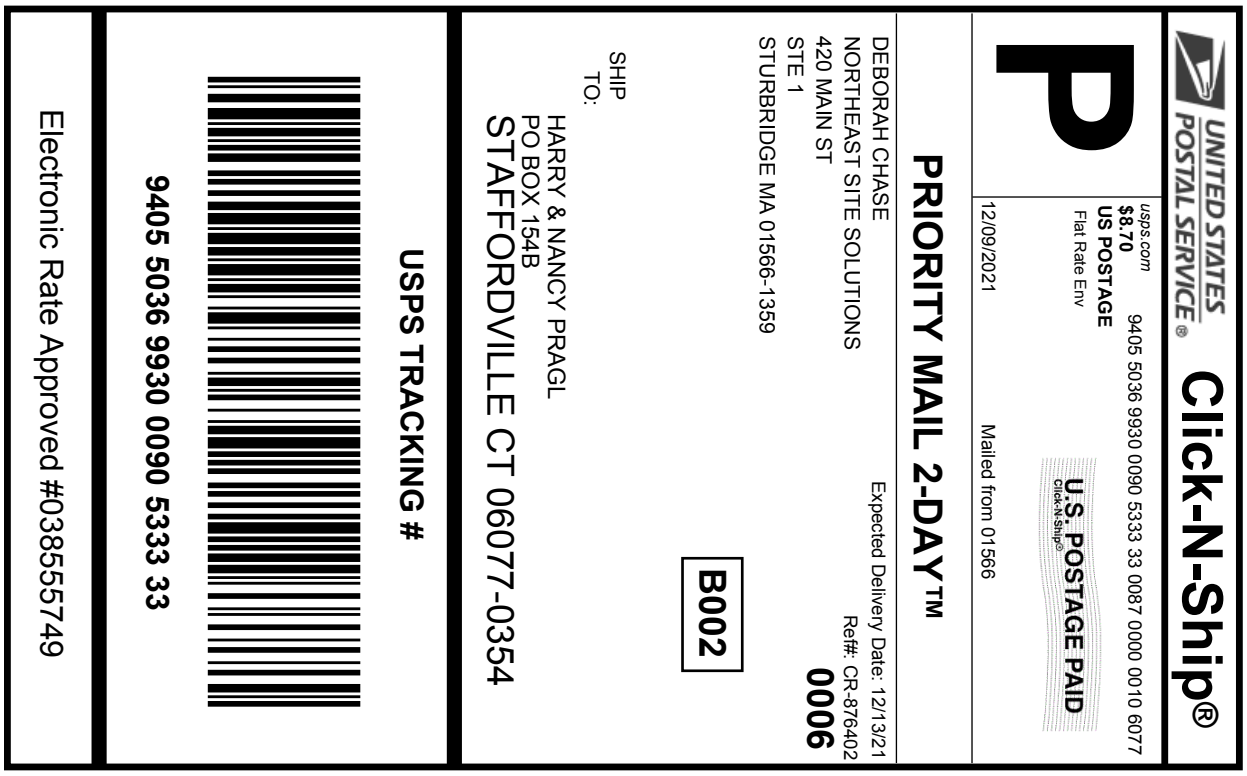

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Trans. #:	550531589
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/13/2021

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

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

Ref#: CR-876402

To: HARRY & NANCY PRAGL
PO BOX 154B
STAFFORDVILLE CT 06077-0354

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UNITED STATES POSTAL SERVICE.

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

12/10/2021 12:02 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 5332 58	1		$0.00
Prepaid Mail Stafford Springs, CT 06076 Weight: 0 lb 7.10 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 5332 96	1		$0.00
Prepaid Mail Stafford Springs, CT 06076 Weight: 0 lb 7.10 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 5333 26	1		$0.00
Prepaid Mail Staffordville, CT 06077 Weight: 0 lb 7.10 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 5333 33	1		$0.00
Grand Total:			$0.00